

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064930.D
 Acq On : 23 Jan 2020 11:54
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:53 PM

Quant Time: Jan 23 12:53:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	458215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	83134	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	
35) Dibromofluoromethane	7.92	113	80382	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
50) Toluene-d8	10.34	98	301825	18.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.78%	
62) 4-Bromofluorobenzene	12.64	95	92099	18.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69141	19.509	ug/l	96
3) Chloromethane	2.21	50	105123	21.142	ug/l	95
4) Vinyl Chloride	2.35	62	118076	19.579	ug/l	95
5) Bromomethane	2.76	94	76739	17.737	ug/l	95
6) Chloroethane	2.92	64	79471	19.862	ug/l	99
7) Trichlorofluoromethane	3.27	101	178848	17.907	ug/l	98
8) Diethyl Ether	3.71	74	41471	20.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82246	19.574	ug/l	98
10) Methyl Iodide	4.30	142	86557	19.240	ug/l	97
11) Tert butyl alcohol	5.26	59	22989	98.592	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	79019	19.761	ug/l	93
13) Acrolein	3.92	56	27642	87.545	ug/l	92
14) Allyl chloride	4.71	41	129392	20.615	ug/l	99
15) Acrylonitrile	5.44	53	89863	106.453	ug/l	98
16) Acetone	4.17	43	95666	113.218	ug/l	97
17) Carbon Disulfide	4.40	76	263851	20.280	ug/l	97
18) Methyl Acetate	4.73	43	42824	19.203	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	178551	20.046	ug/l	98
20) Methylene Chloride	4.96	84	100179	20.866	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	92488	20.203	ug/l	87
22) Diisopropyl ether	6.37	45	257035	20.539	ug/l	97
23) Vinyl Acetate	6.31	43	742113	104.241	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158852	21.115	ug/l	95
25) 2-Butanone	7.23	43	115058	102.549	ug/l	95
26) 2,2-Dichloropropane	7.21	77	142619	20.465	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	99629	20.284	ug/l	98
28) Bromochloromethane	7.55	49	52684	17.735	ug/l	98
29) Tetrahydrofuran	7.57	42	74408	107.446	ug/l	98
30) Chloroform	7.71	83	165642	21.027	ug/l	99
31) Cyclohexane	7.99	56	146912	19.502	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	150625	20.365	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130012	20.125	ug/l	98
37) Ethyl Acetate	7.30	43	57065	22.645	ug/l	98
38) Carbon Tetrachloride	8.10	117	135184	19.684	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143433	18.428	ug/l	98
40) Benzene	8.36	78	356143	20.180	ug/l	99
41) Methacrylonitrile	7.54	41	28677m	19.419	ug/l	
42) 1,2-Dichloroethane	8.43	62	107499	20.992	ug/l	99
43) Isopropyl Acetate	8.46	43	102167	20.347	ug/l	99
44) Trichloroethene	9.11	130	102653	20.004	ug/l	98
45) 1,2-Dichloropropane	9.39	63	86518	20.569	ug/l	94
46) Dibromomethane	9.48	93	46856	20.139	ug/l	99
47) Bromodichloromethane	9.67	83	125969	20.313	ug/l	99
48) Methyl methacrylate	9.46	41	47098	20.045	ug/l	94
49) 1,4-Dioxane	9.47	88	11816	433.561	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	258001	103.233	ug/l	98
52) Toluene	10.41	92	229669	19.918	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119259	20.512	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	138432	20.250	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	62866	19.923	ug/l	97
56) Ethyl methacrylate	10.66	69	76942	19.572	ug/l	98
57) 1,3-Dichloropropane	10.95	76	111062	20.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124473	85.459	ug/l	100
59) 2-Hexanone	10.99	43	179405	105.509	ug/l	95
60) Dibromochloromethane	11.14	129	86136	19.872	ug/l	98
61) 1,2-Dibromoethane	11.26	107	62513	20.200	ug/l	98
64) Tetrachloroethene	10.88	164	86876	19.130	ug/l	97
65) Chlorobenzene	11.67	112	241172	19.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	91952	19.834	ug/l	100
67) Ethyl Benzene	11.75	91	423826	18.980	ug/l	93
68) m/p-Xylenes	11.86	106	333403	38.776	ug/l	99
69) o-Xylene	12.18	106	145745	18.805	ug/l	99
70) Styrene	12.20	104	260318	19.024	ug/l	99
71) Bromoform	12.36	173	52034	19.797	ug/l	99
73) Isopropylbenzene	12.48	105	396197	19.232	ug/l	99
74) N-amyl acetate	12.30	43	89612	20.295	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	67380	20.686	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	56557m	23.657	ug/l	
77) Bromobenzene	12.77	156	97667	19.347	ug/l	98
78) n-propylbenzene	12.83	91	475923	19.739	ug/l	100
79) 2-Chlorotoluene	12.91	91	263655	19.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	330760	19.597	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	22378	20.335	ug/l	96
82) 4-Chlorotoluene	13.01	91	274756	19.536	ug/l	99
83) tert-Butylbenzene	13.23	119	275119	18.801	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	334271	19.813	ug/l	99
85) sec-Butylbenzene	13.41	105	384167	19.096	ug/l	99
86) p-Isopropyltoluene	13.52	119	358118	18.640	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	186548	19.382	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183586	19.440	ug/l	98
89) n-Butylbenzene	13.85	91	328598	18.906	ug/l	99
90) Hexachloroethane	14.12	117	68530	18.675	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	157160	19.148	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10444	19.821	ug/l	98

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VSTDICC020

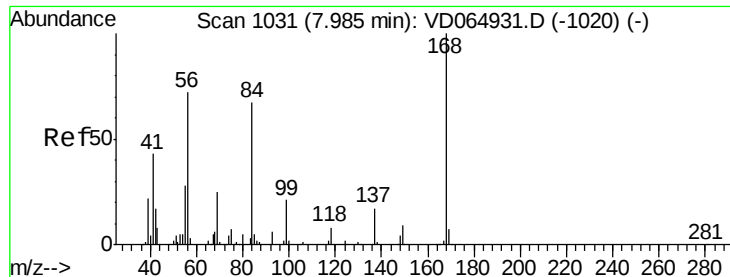
Manual Integrations
APPROVED

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1/24/2020 4:01:53 PM

Quant Time: Jan 23 12:53:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110724	18.527	ug/l	100
94) Hexachlorobutadiene	15.28	225	66997	17.835	ug/l	98
95) Naphthalene	15.41	128	176083	18.569	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	92323	18.033	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 458215

Ion Ratio Lower Upper

168 100

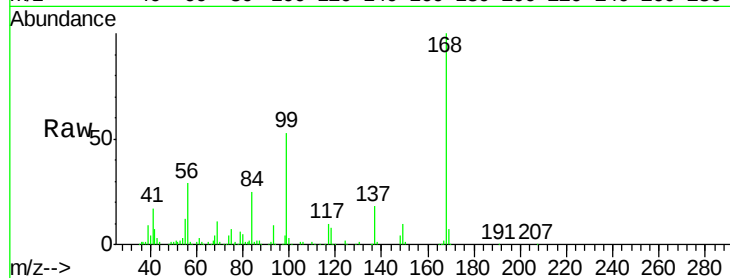
99 52.7 43.3 64.9

Manual Integrations

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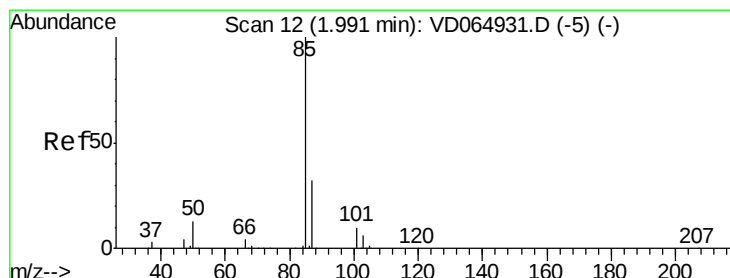
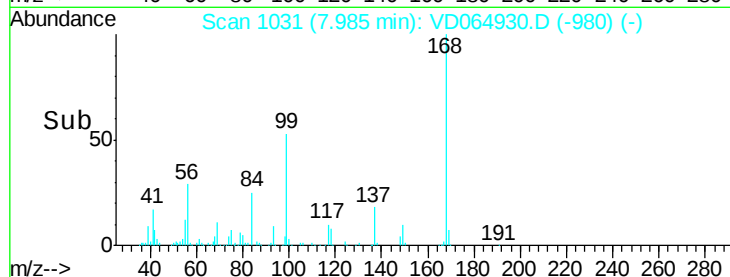
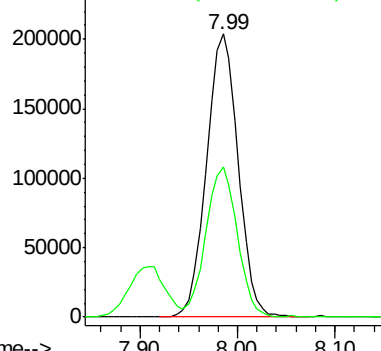
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.509 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064930.D

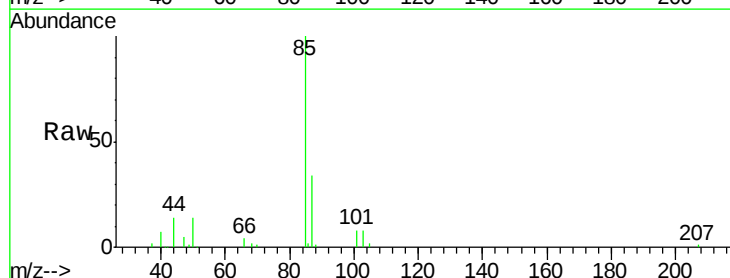
Acq: 23 Jan 2020 11:54

Tgt Ion: 85 Resp: 69141

Ion Ratio Lower Upper

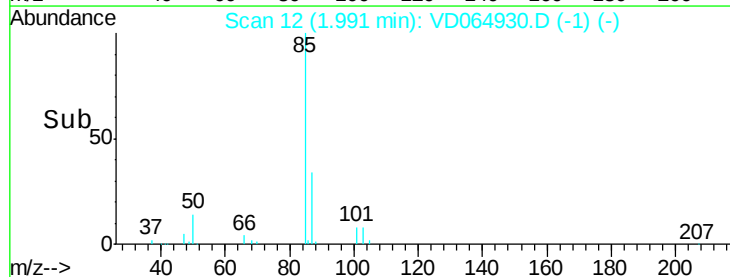
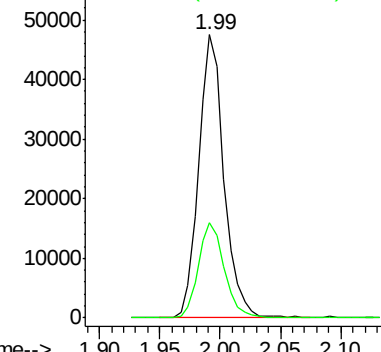
85 100

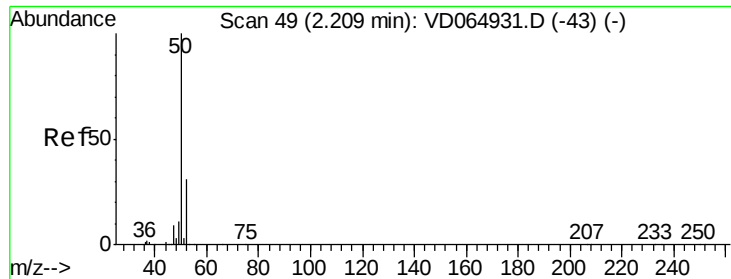
87 33.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.142 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 105123

Ion Ratio Lower Upper

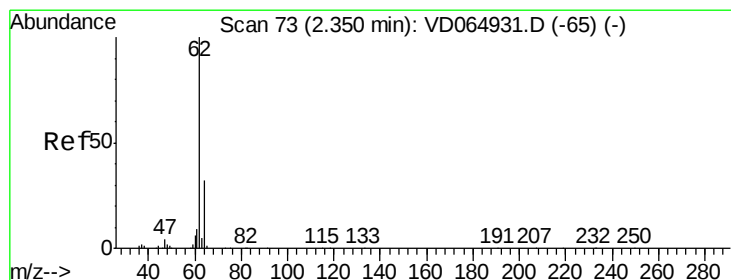
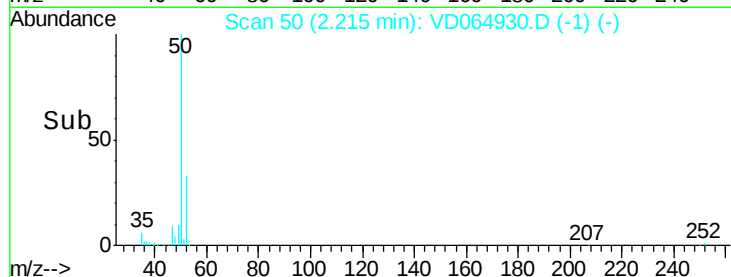
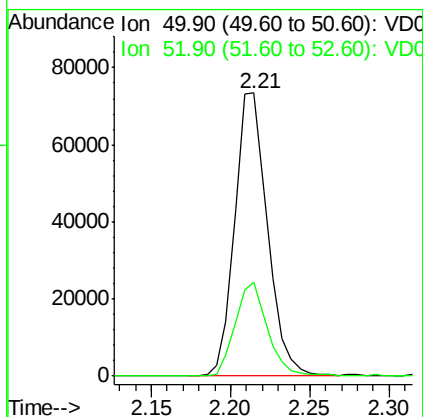
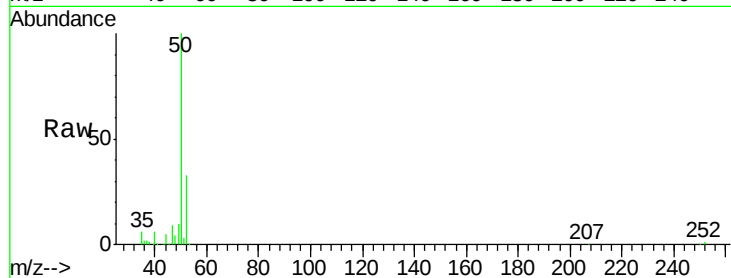
50 100

52 33.4 24.6 36.8

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#4

Vinyl Chloride

Concen: 19.579 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064930.D

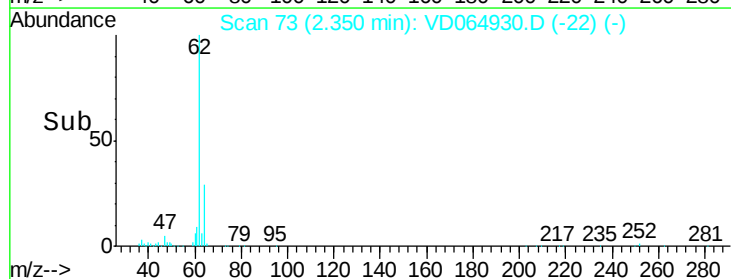
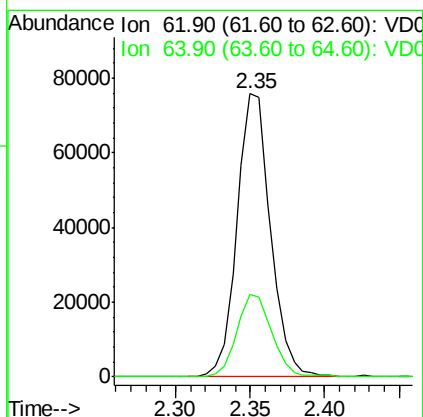
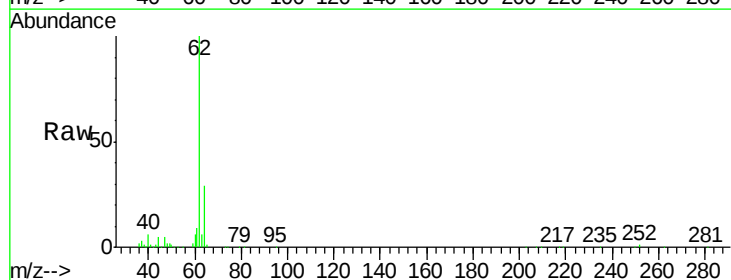
Acq: 23 Jan 2020 11:54

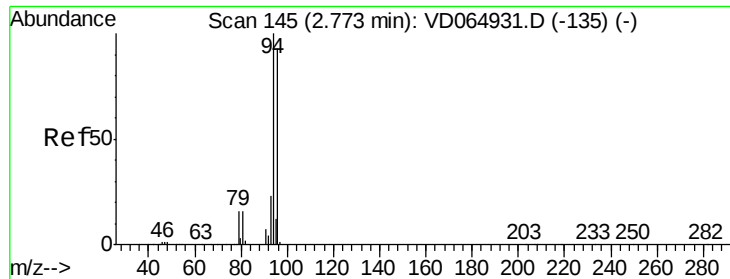
Tgt Ion: 62 Resp: 118076

Ion Ratio Lower Upper

62 100

64 29.2 25.6 38.4





#5

Bromomethane

Concen: 17.737 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 76739

Ion Ratio Lower Upper

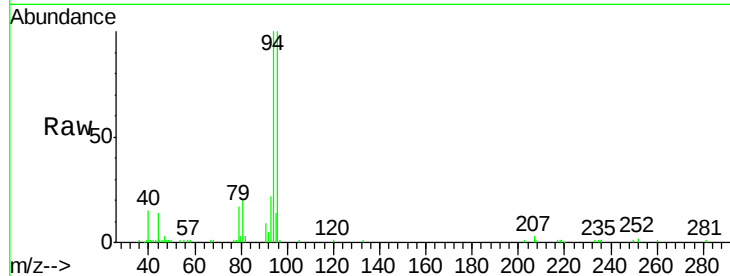
94 100

96 98.4 74.6 111.8

Manual Integrations
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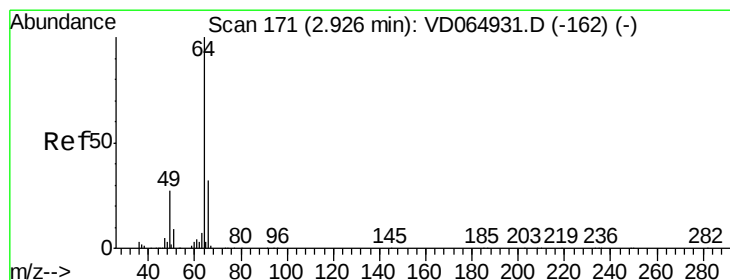
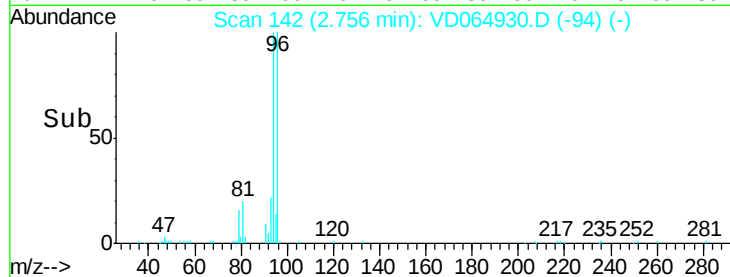
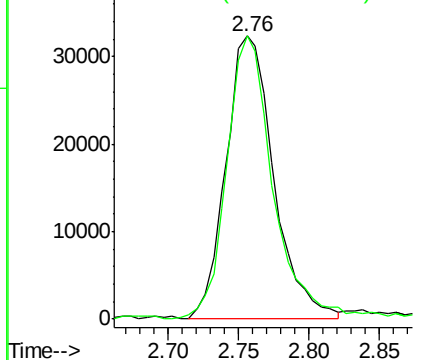
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.862 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064930.D

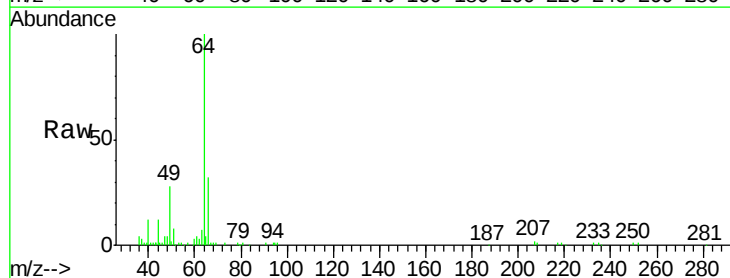
Acq: 23 Jan 2020 11:54

Tgt Ion: 64 Resp: 79471

Ion Ratio Lower Upper

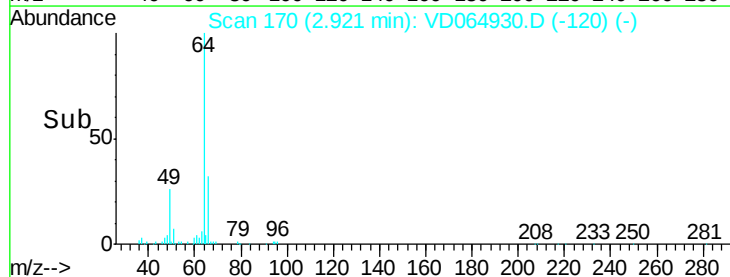
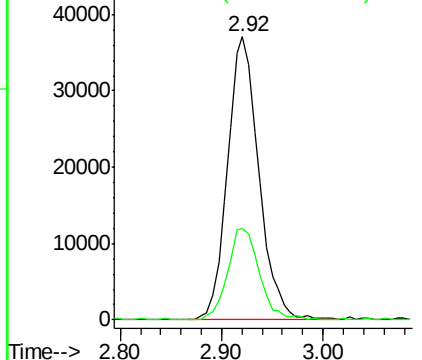
64 100

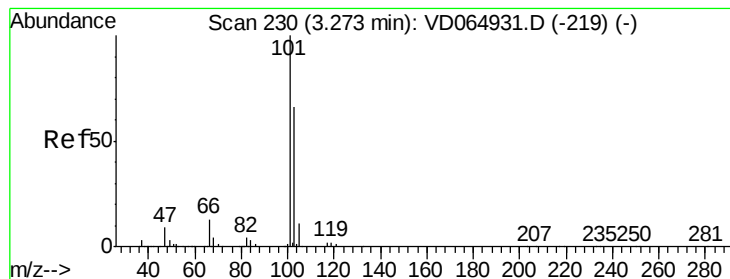
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

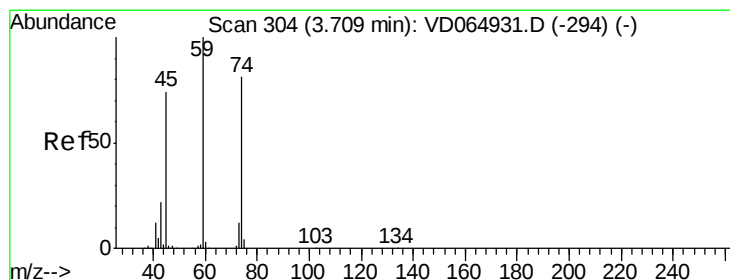
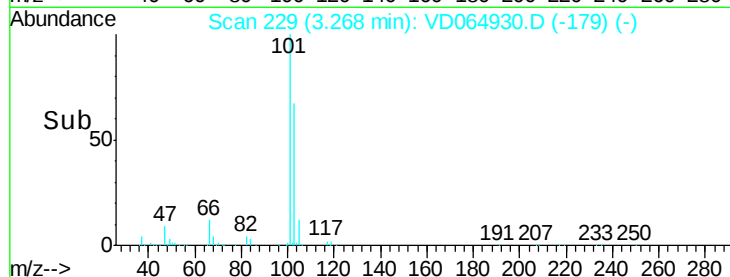
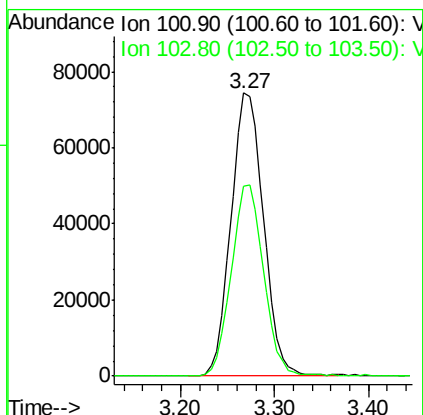
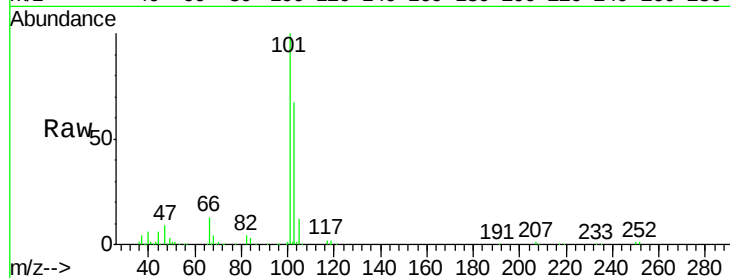
Trichlorofluoromethane
 Concen: 17.907 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

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 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.5	78.7

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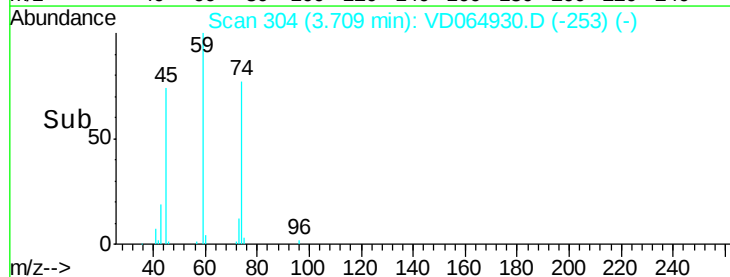
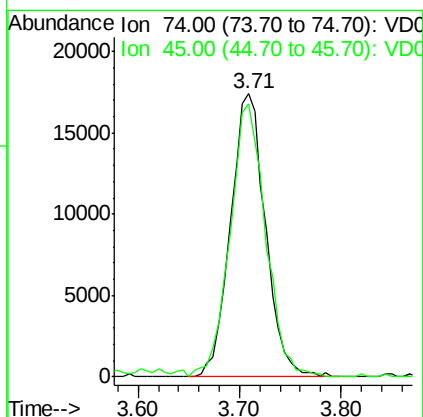
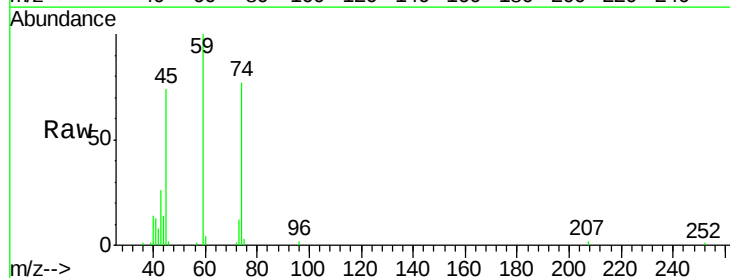
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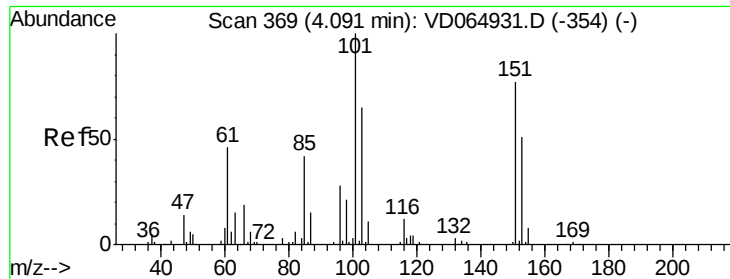


#8

Diethyl Ether
 Concen: 20.493 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.574 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

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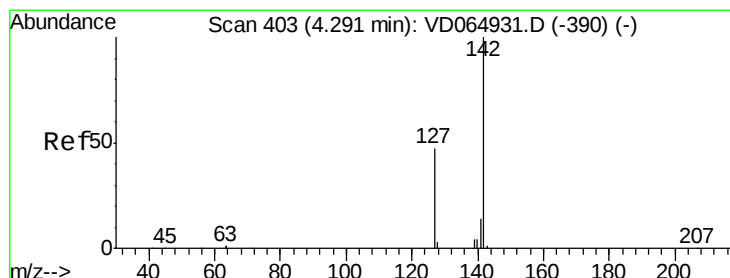
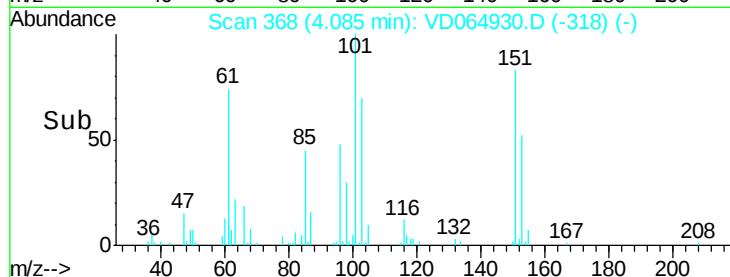
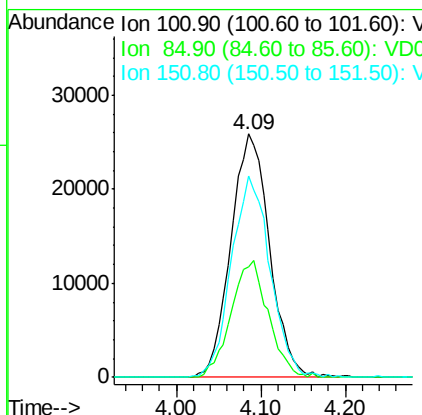
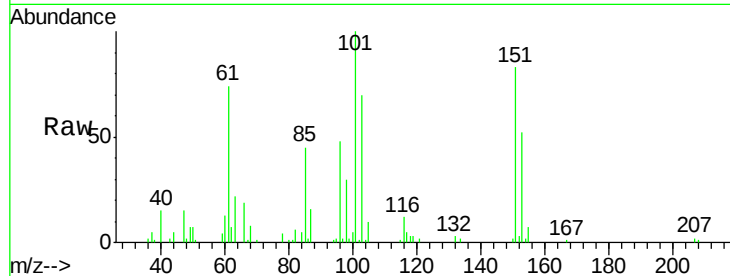
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	82246
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.0	52.4
151	82.5	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.240 ug/l

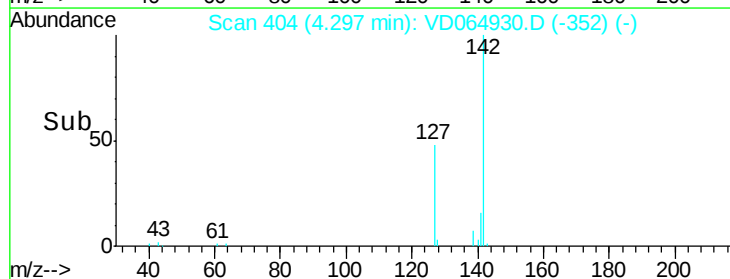
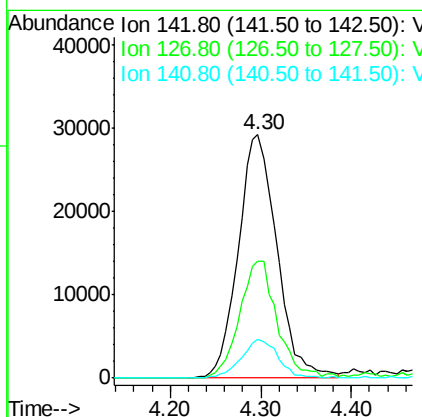
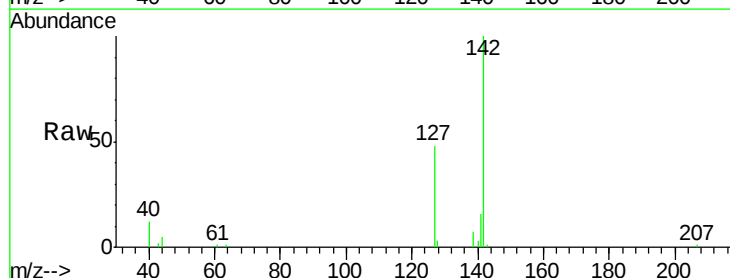
RT: 4.30 min Scan# 404

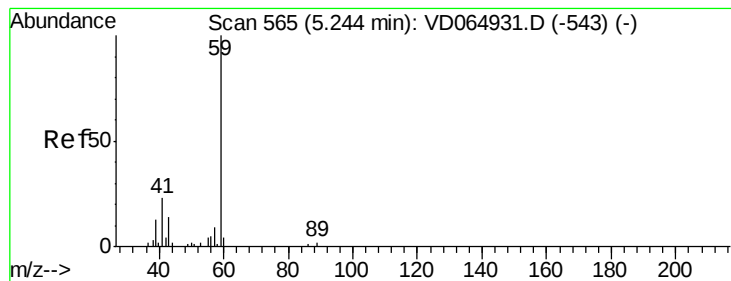
Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion:	142	Resp:	86557
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.2	54.2
141	15.3	11.6	17.4





#11

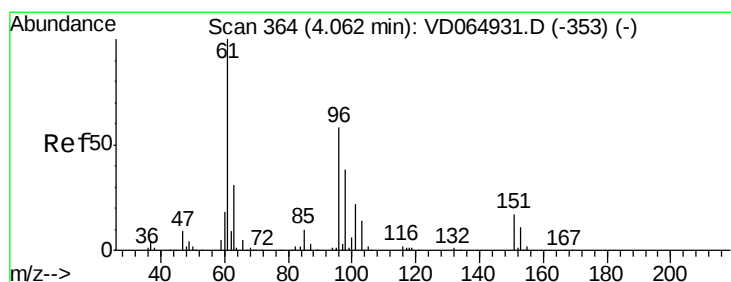
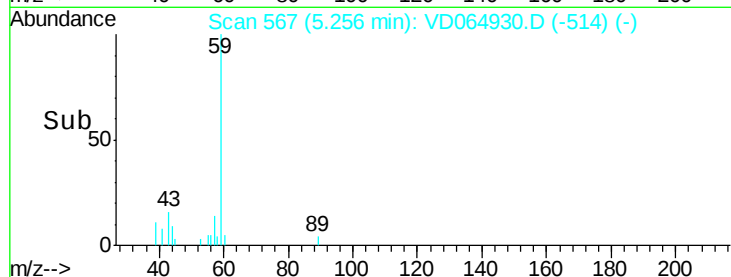
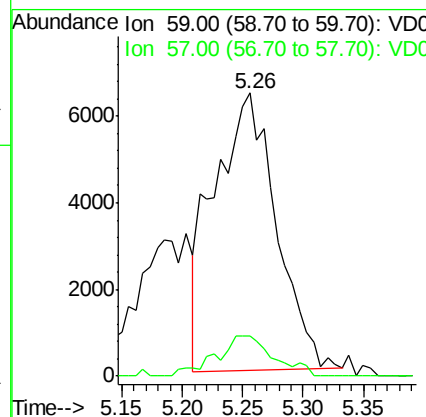
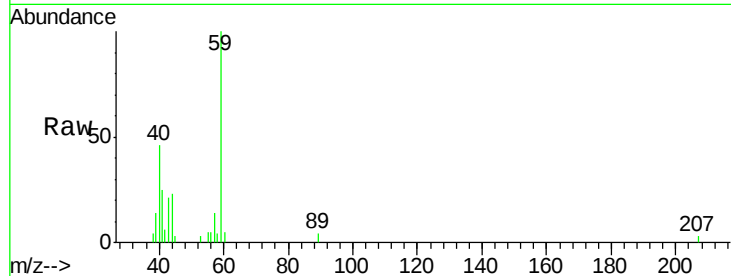
Tert butyl alcohol
Concen: 98.592 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.4	7.7	11.5#

Manual Integrations
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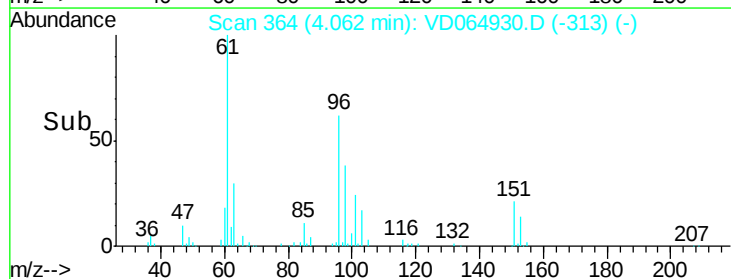
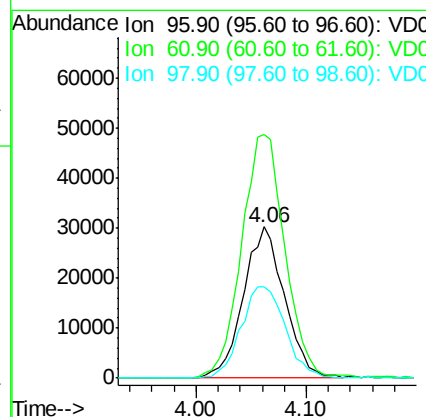
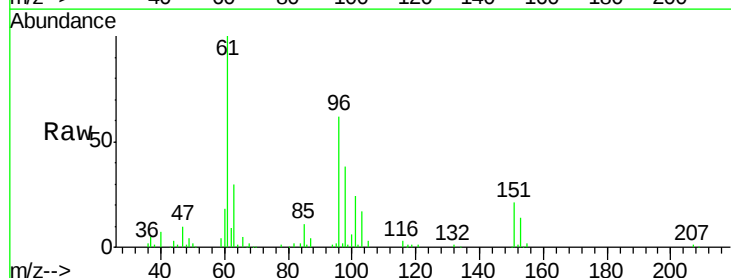
MMDadoda
1/24/2020 4:01:53 PM

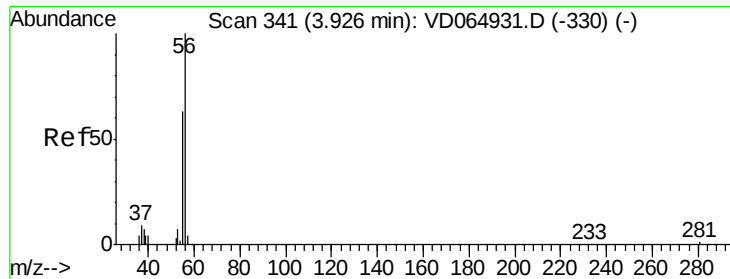


#12

1,1-Dichloroethene
Concen: 19.761 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	137.0	205.4
98	60.6	52.1	78.1





#13

Acrolein

Concen: 87.545 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 27642

Ion Ratio Lower Upper

56 100

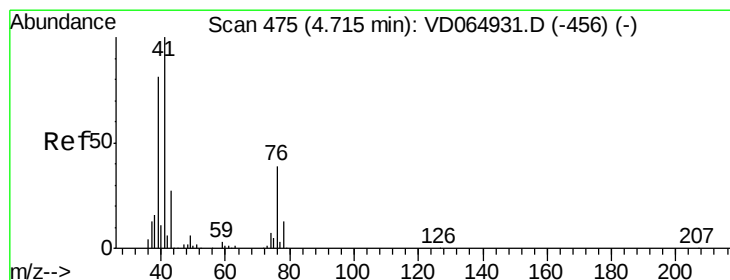
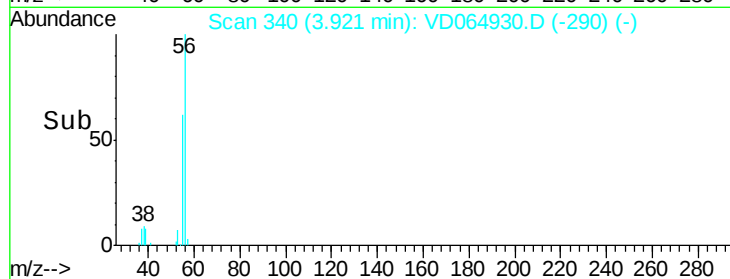
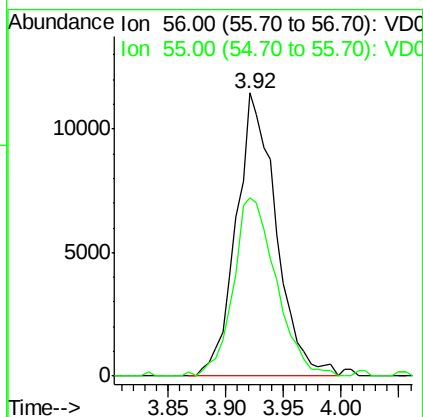
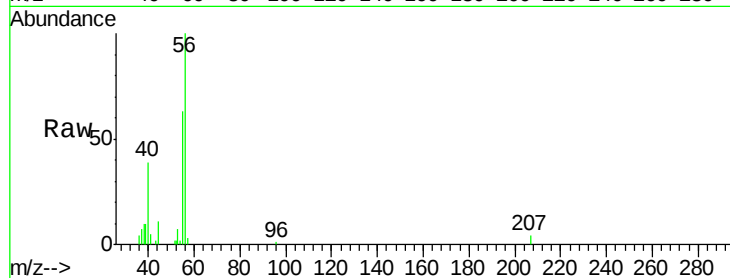
55 67.5 59.7 89.5

Manual Integrations

APPROVED

MMDadoda

1/24/2020 4:01:53 PM



#14

Allyl chloride

Concen: 20.615 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

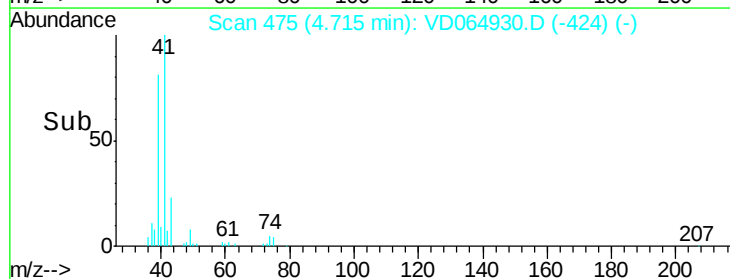
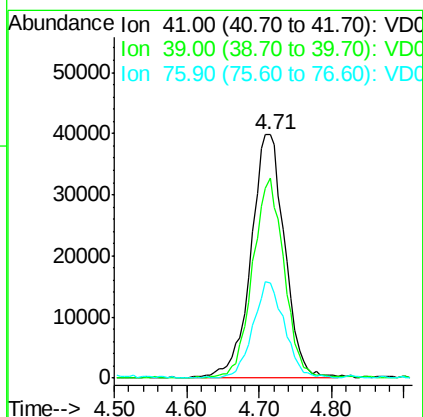
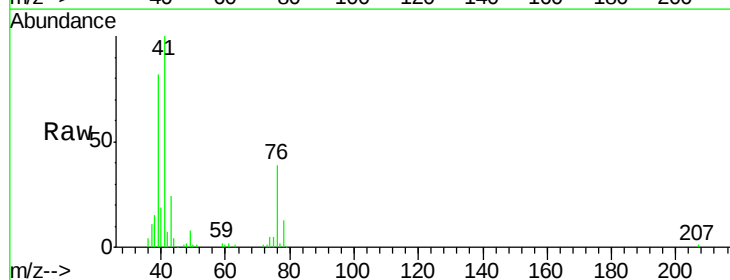
Tgt Ion: 41 Resp: 129392

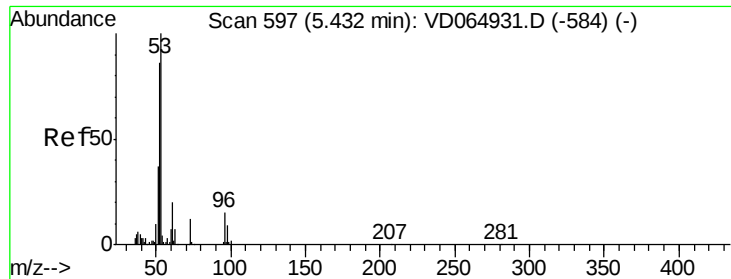
Ion Ratio Lower Upper

41 100

39 76.6 62.0 93.0

76 36.6 29.3 43.9





#15

Acrylonitrile

Concen: 106.453 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

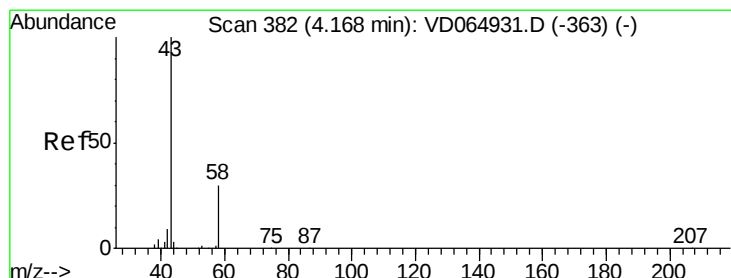
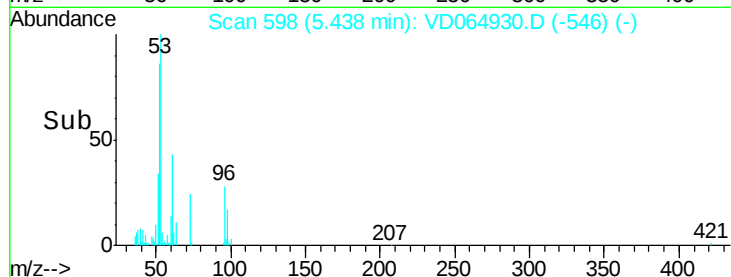
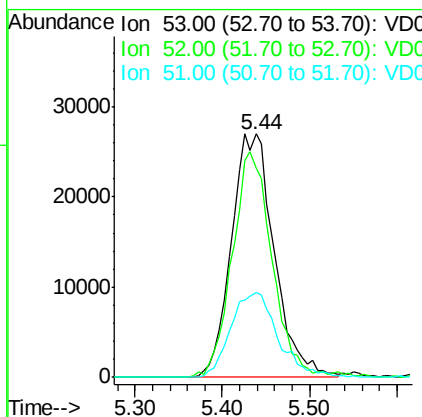
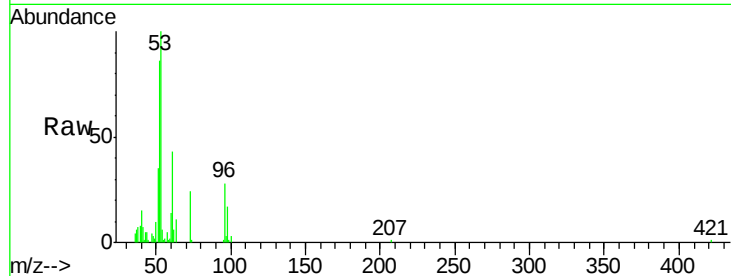
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	89863
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.7	100.1
51	38.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 113.218 ug/l

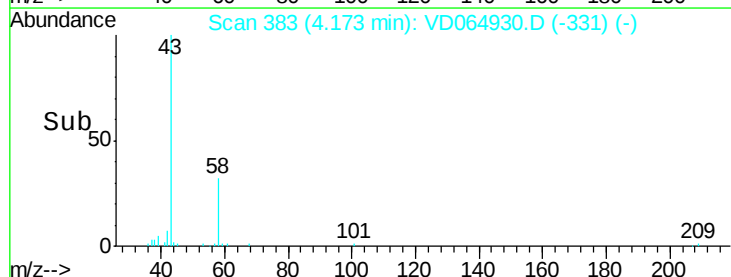
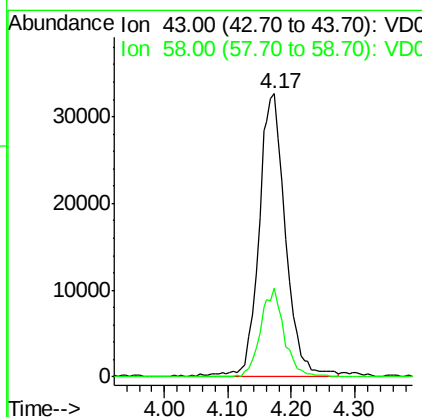
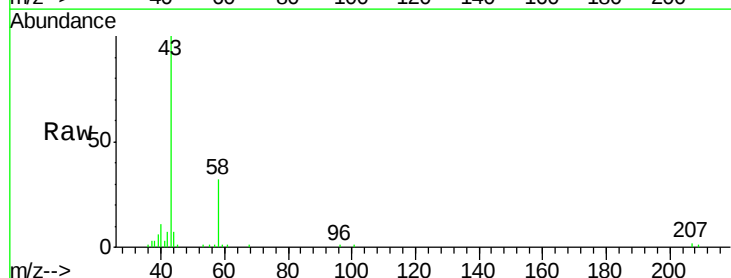
RT: 4.17 min Scan# 383

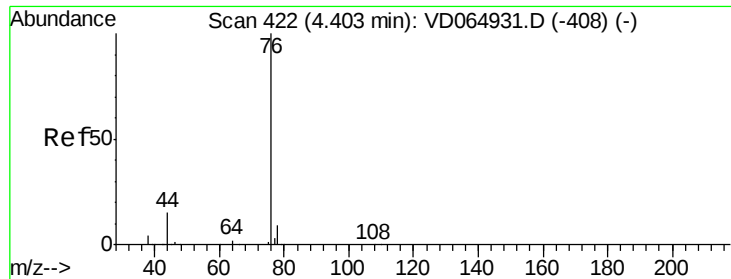
Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion:	43	Resp:	95666
Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.8	35.8





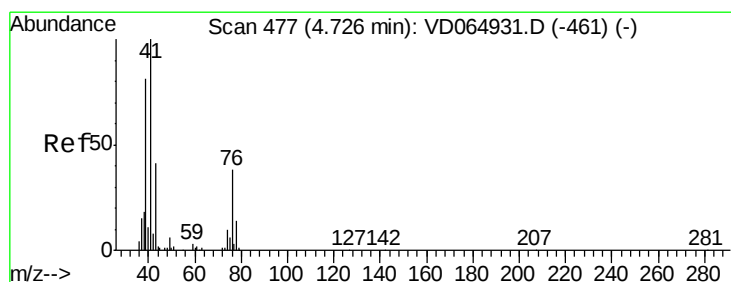
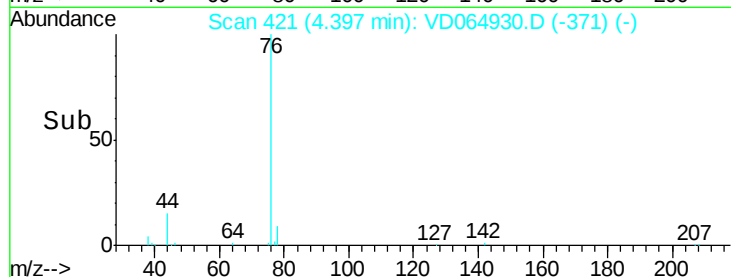
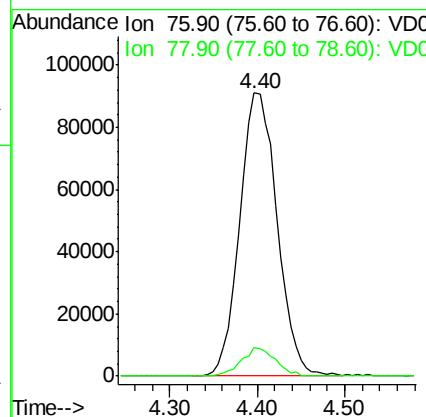
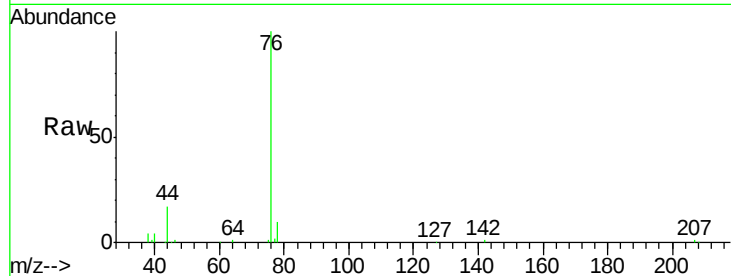
#17
Carbon Disulfide
Concen: 20.280 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.1	10.7

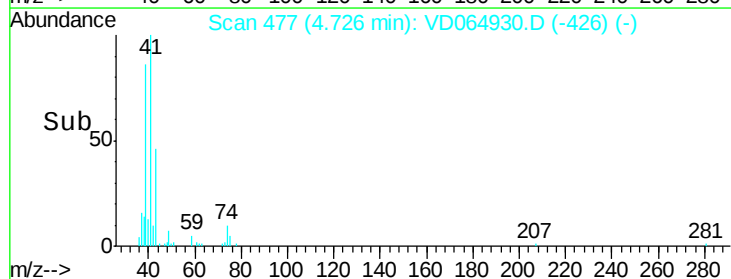
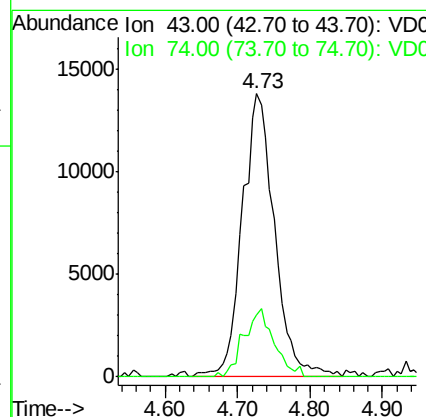
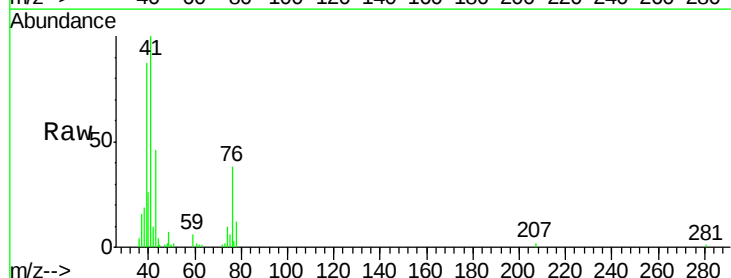
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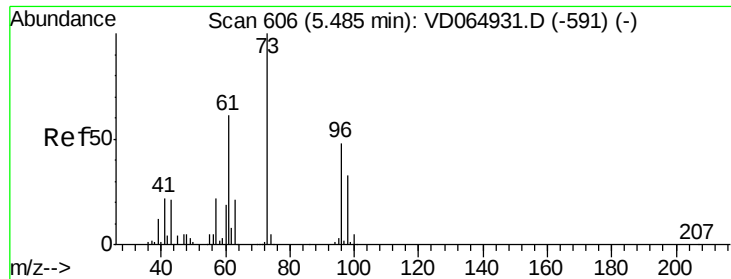
MMDadoda
1/24/2020 4:01:53 PM



#18
Methyl Acetate
Concen: 19.203 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.1	28.7





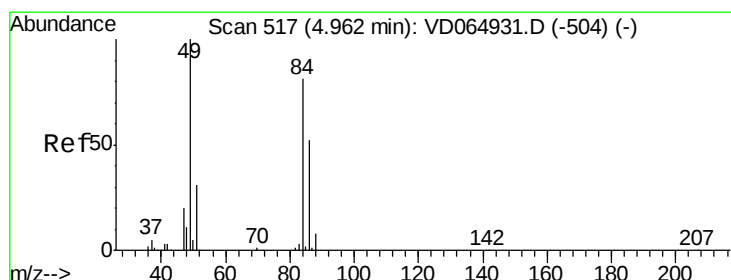
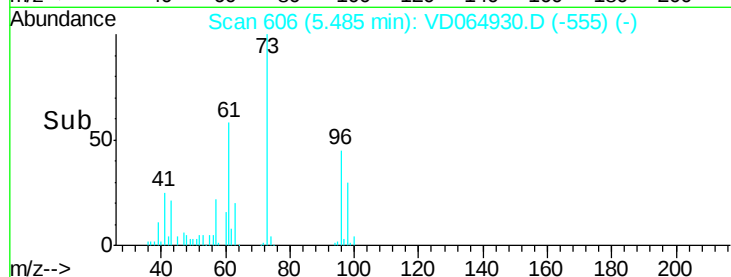
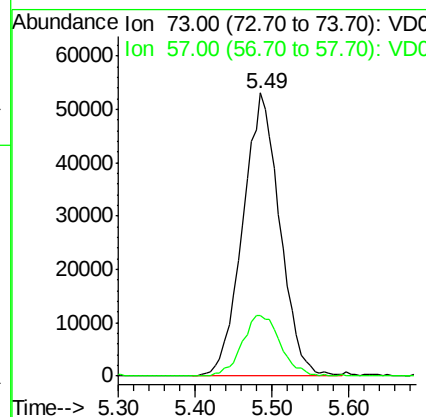
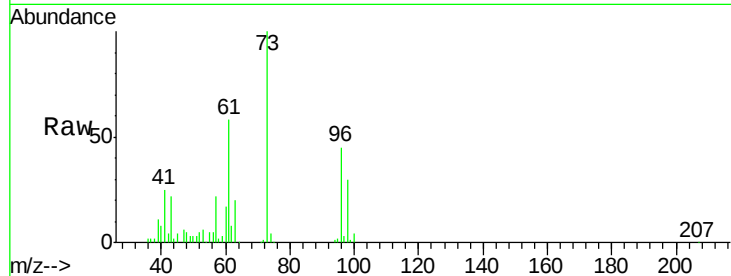
#19
Methyl tert-butyl Ether
Concen: 20.046 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 178551
Ion Ratio Lower Upper
73 100
57 21.6 17.9 26.9

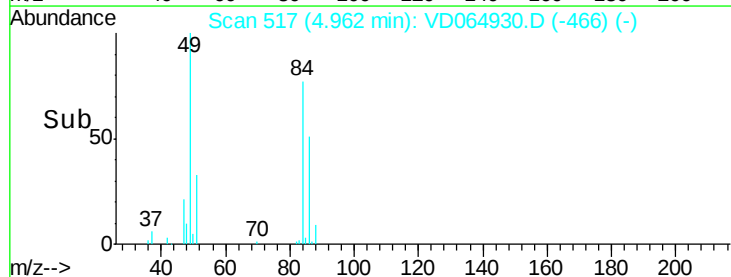
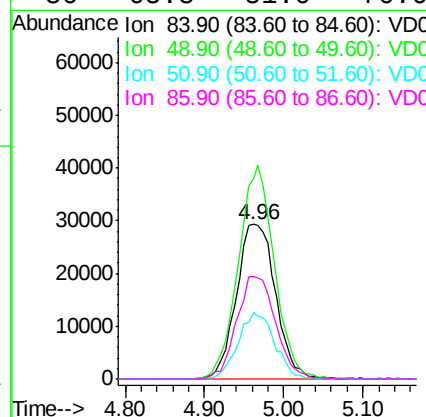
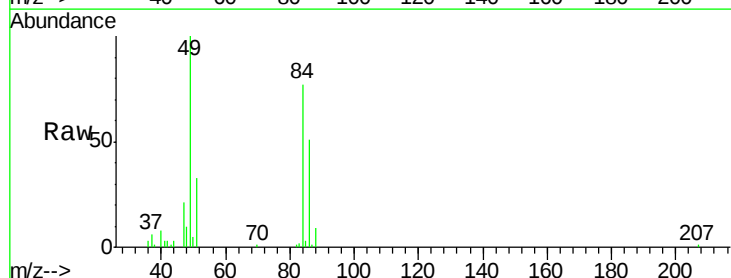
Manual Integrations
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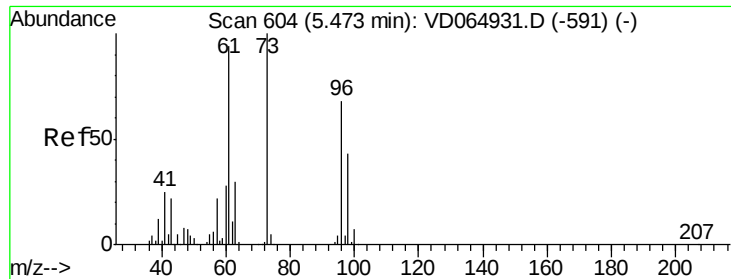
MMDadoda
1/24/2020 4:01:53 PM



#20
Methylene Chloride
Concen: 20.866 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 84 Resp: 100179
Ion Ratio Lower Upper
84 100
49 129.9 98.4 147.6
51 43.1 30.8 46.2
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.203 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

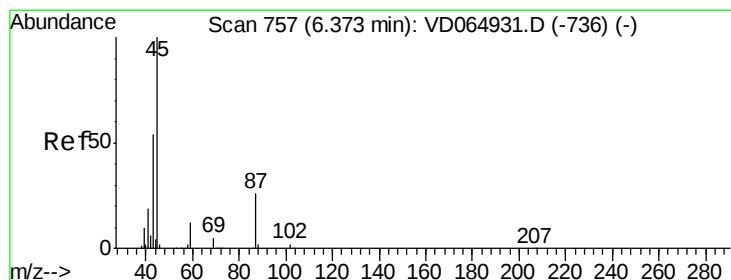
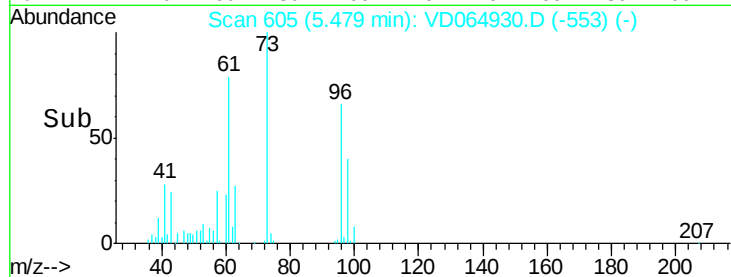
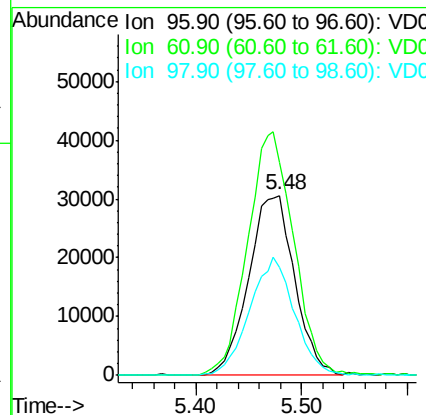
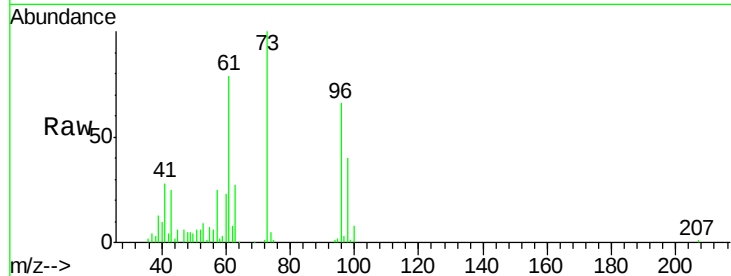
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	92488
Ion	Ratio	Lower	Upper
96	100		
61	118.3	110.4	165.6
98	59.9	50.5	75.7

Manual Integrations
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1/24/2020 4:01:53 PM



#22

Diisopropyl ether

Concen: 20.539 ug/l

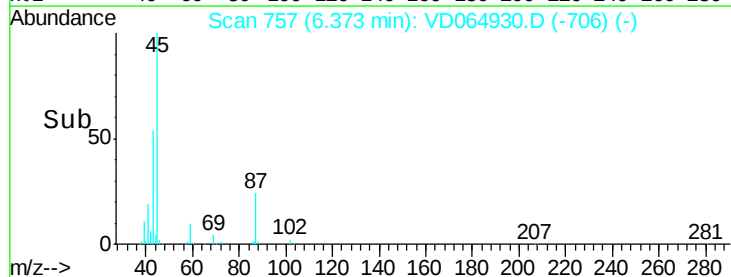
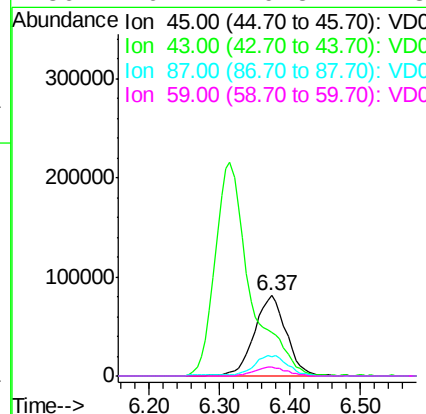
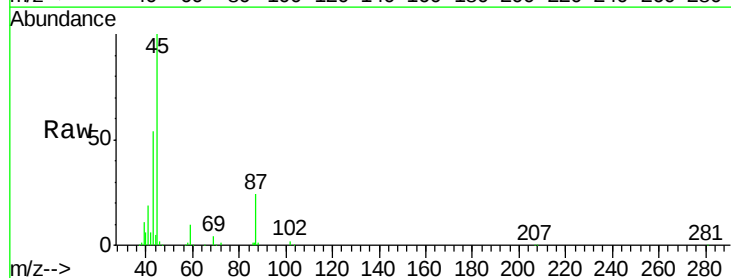
RT: 6.37 min Scan# 757

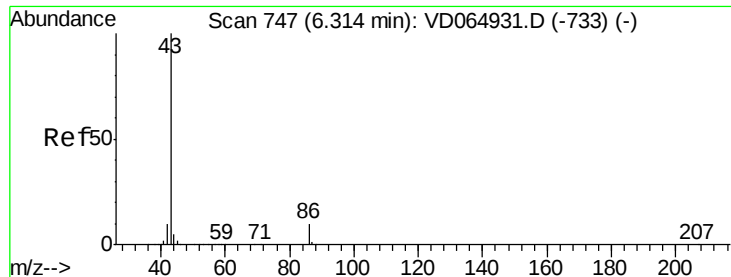
Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion:	45	Resp:	257035
Ion	Ratio	Lower	Upper
45	100		
43	52.9	43.1	64.7
87	23.8	21.4	32.2
59	10.4	9.5	14.3





#23

Vinyl Acetate

Concen: 104.241 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 742113

Ion Ratio Lower Upper

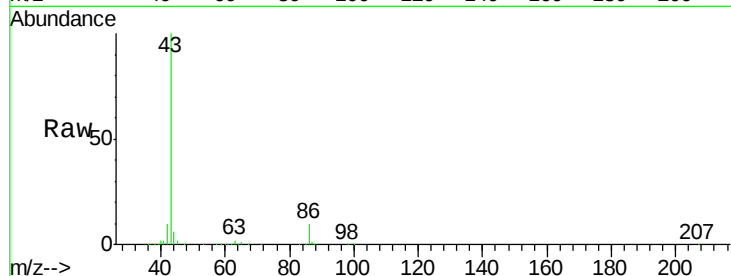
43 100

86 10.2 8.3 12.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

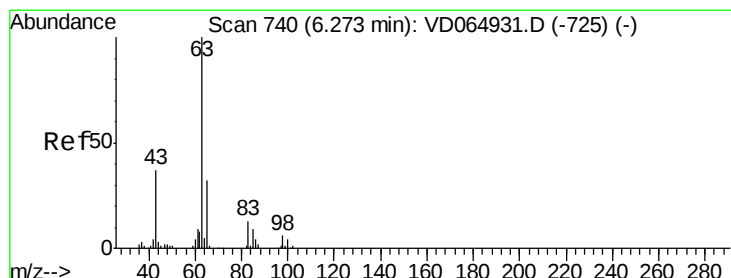
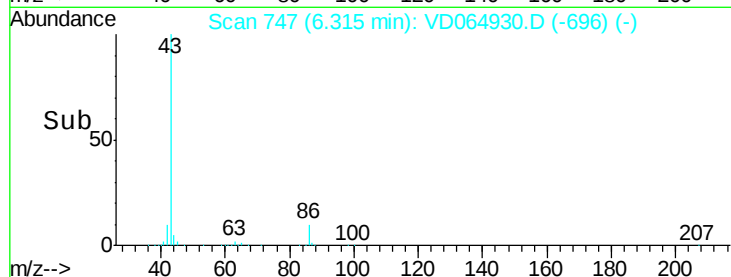
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.115 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

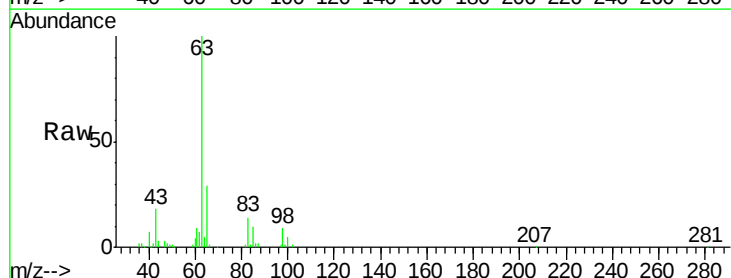
Tgt Ion: 63 Resp: 158852

Ion Ratio Lower Upper

63 100

98 8.6 3.1 9.3

100 5.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

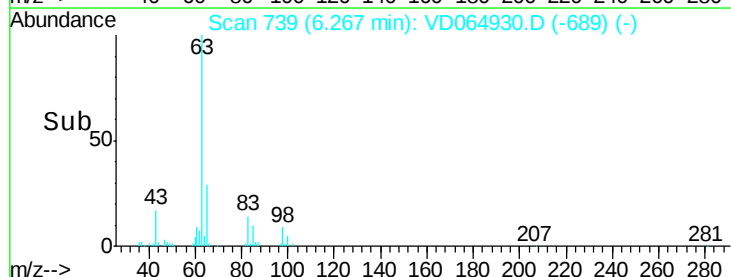
40000

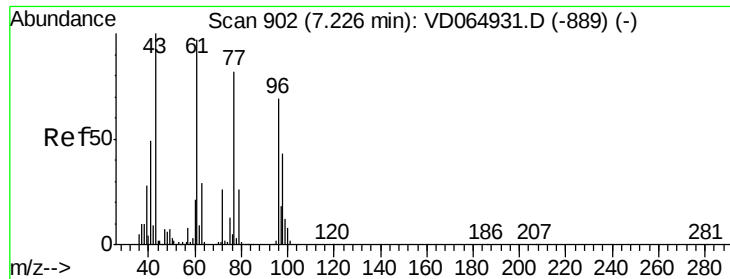
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 102.549 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 115058

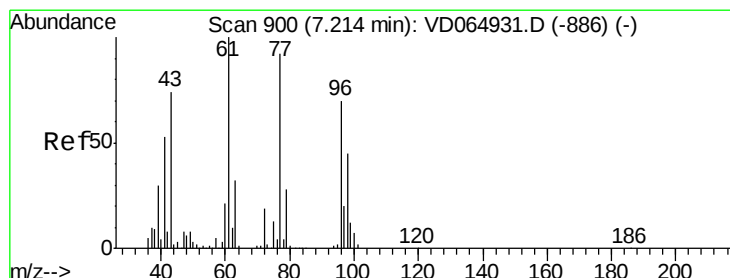
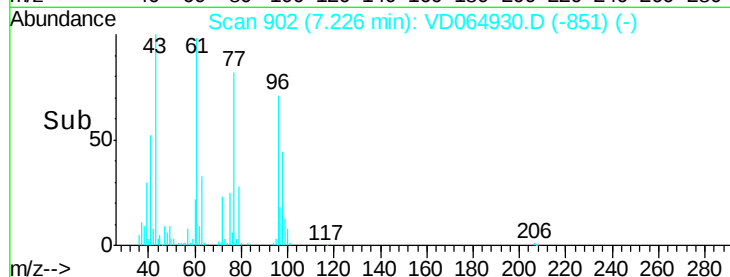
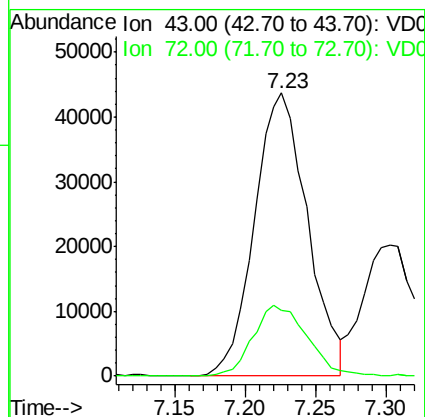
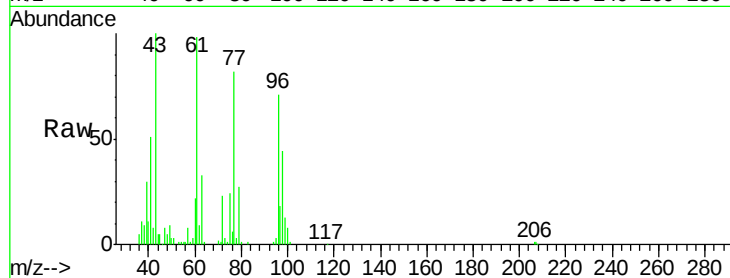
Ion Ratio Lower Upper

43 100

72 23.2 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 20.465 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064930.D

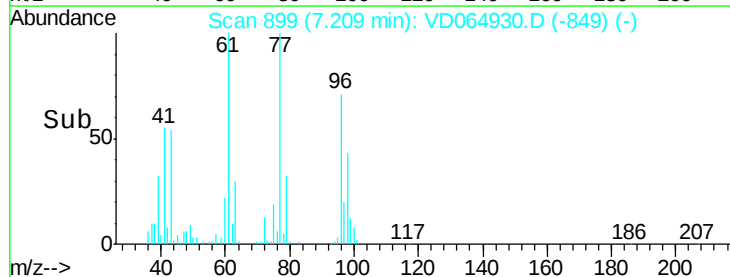
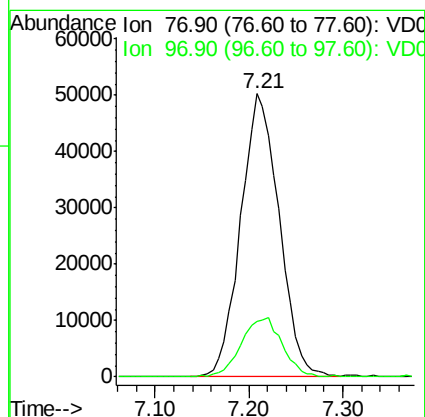
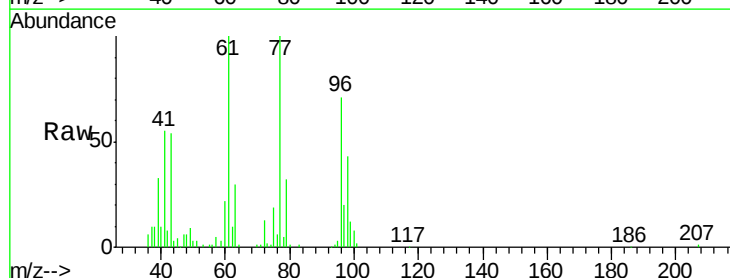
Acq: 23 Jan 2020 11:54

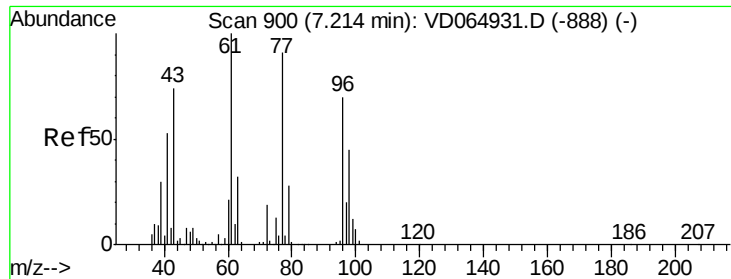
Tgt Ion: 77 Resp: 142619

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

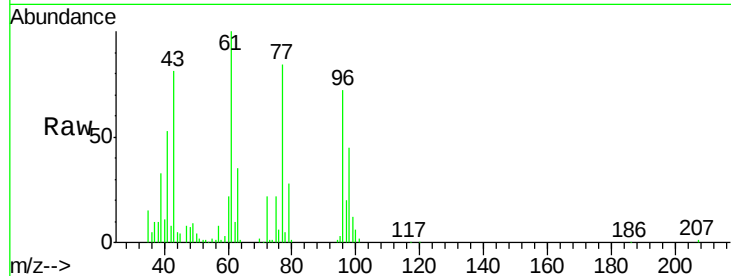
cis-1,2-Dichloroethene
 Concen: 20.284 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

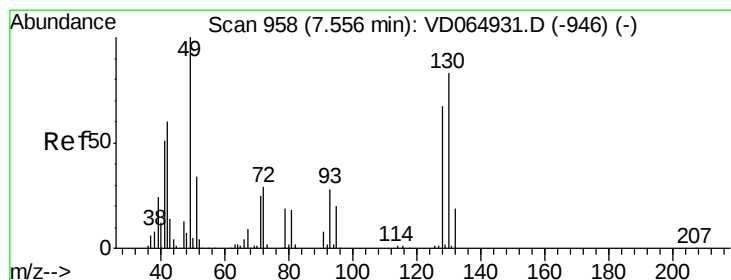
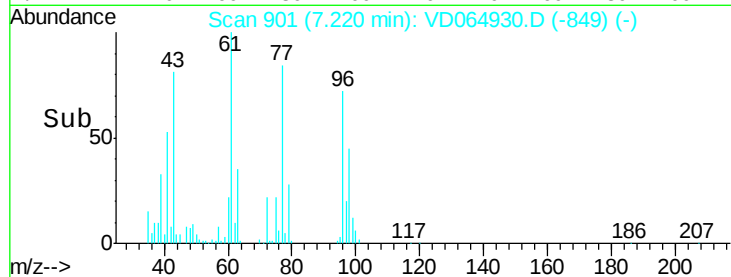
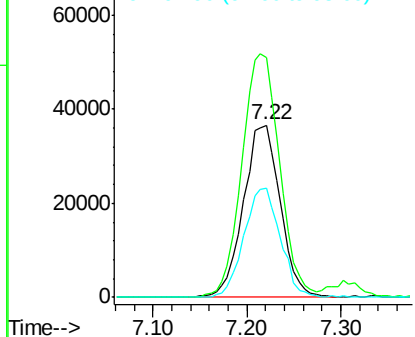
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.3	0.0	292.8	
98	62.3	0.0	130.0	

Manual Integrations
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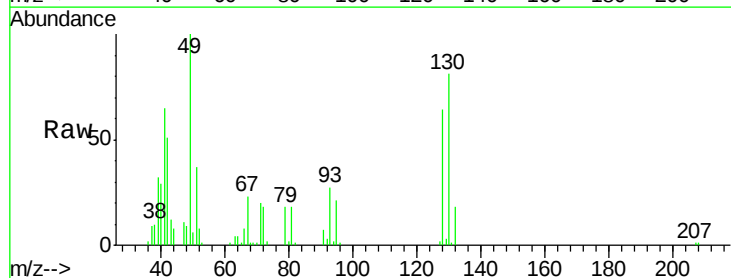
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



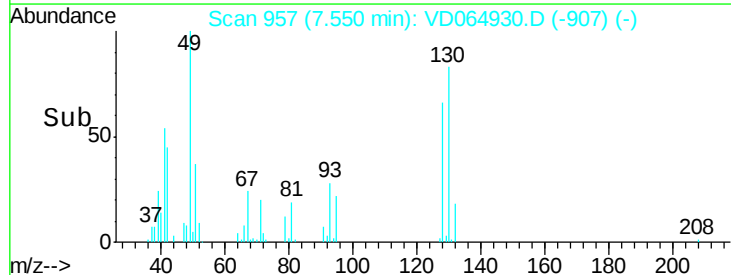
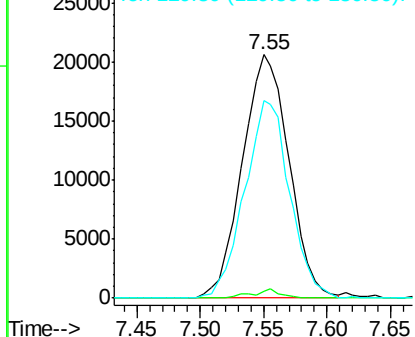
#28

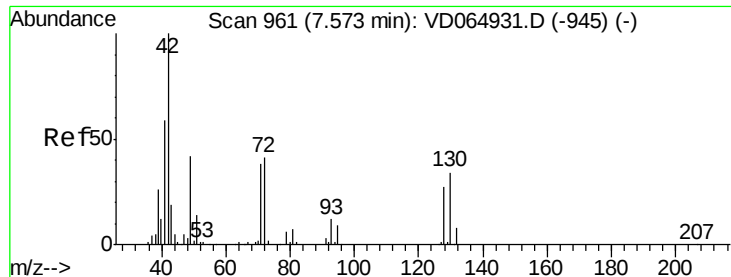
Bromochloromethane
 Concen: 17.735 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	78.4	63.8	95.8	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





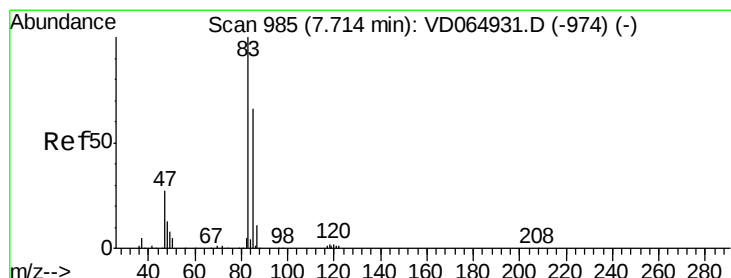
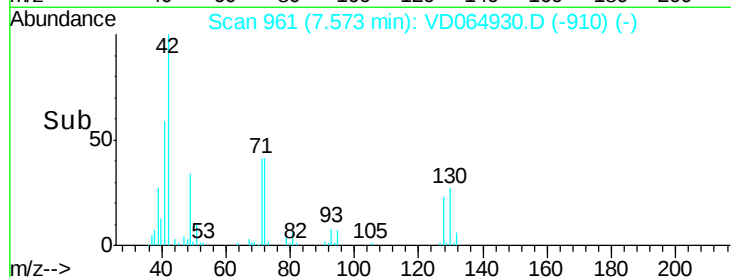
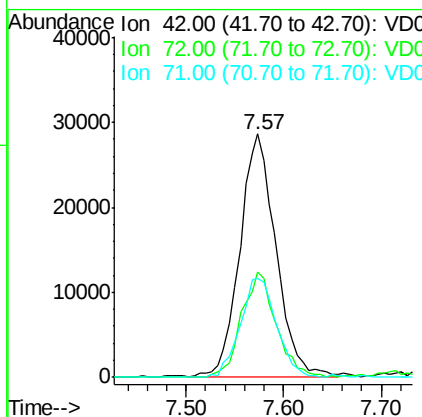
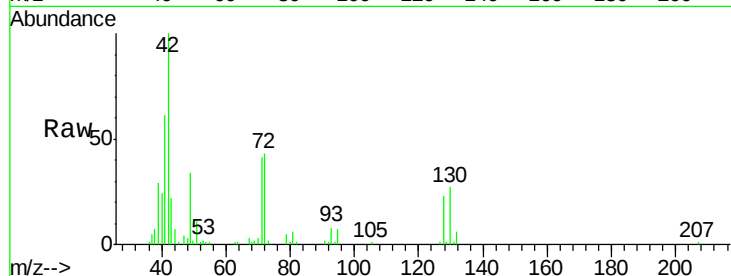
#29
Tetrahydrofuran
Concen: 107.446 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.0	51.0
71	40.7	31.5	47.3

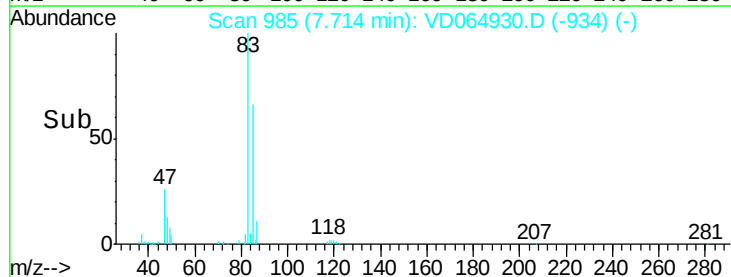
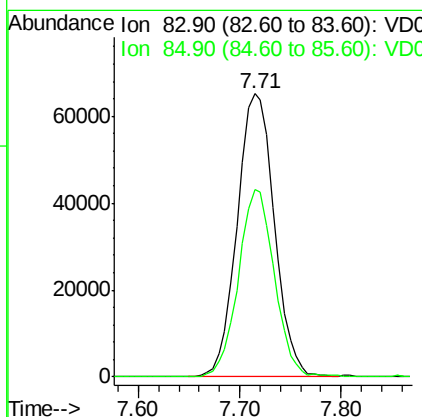
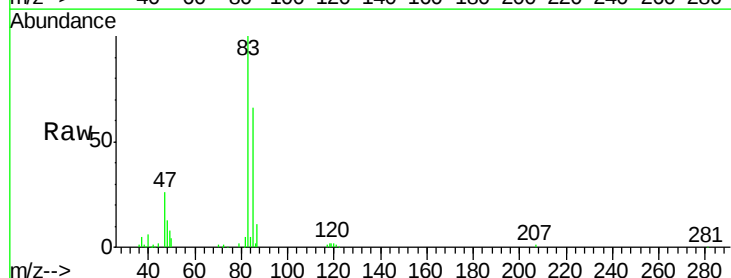
Manual Integrations
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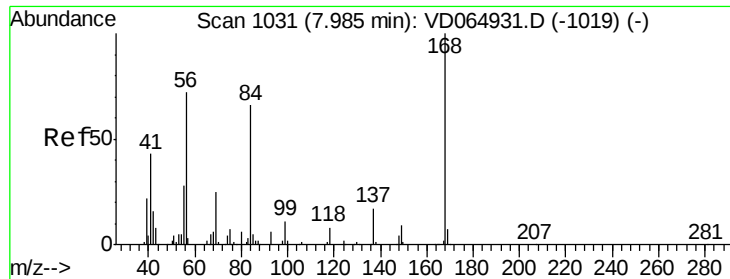
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#30
Chloroform
Concen: 21.027 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.4	78.6





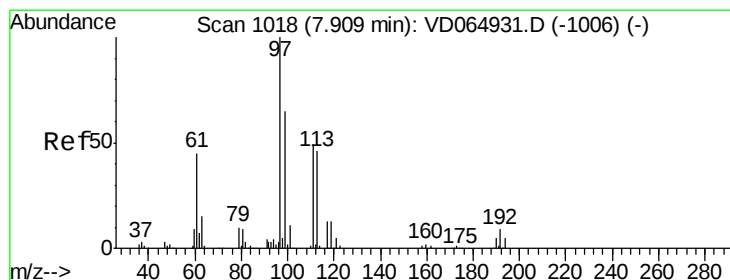
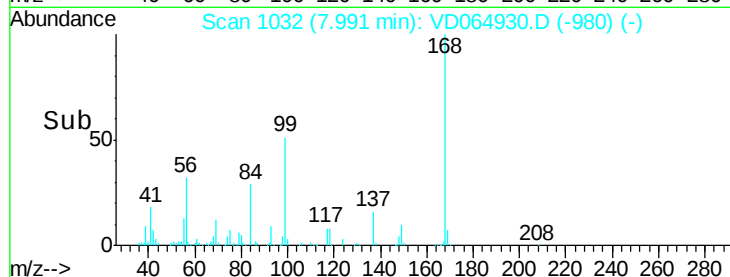
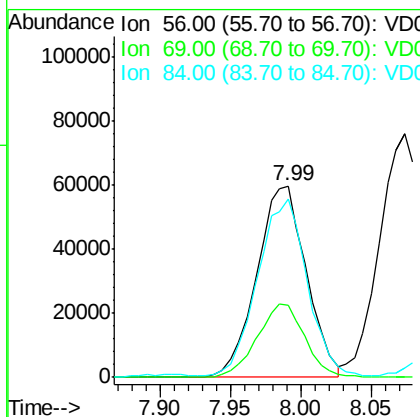
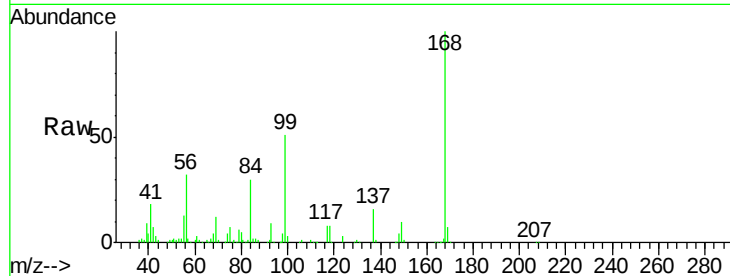
#31
Cyclohexane
Concen: 19.502 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	27.9	41.9
84	91.8	72.8	109.2

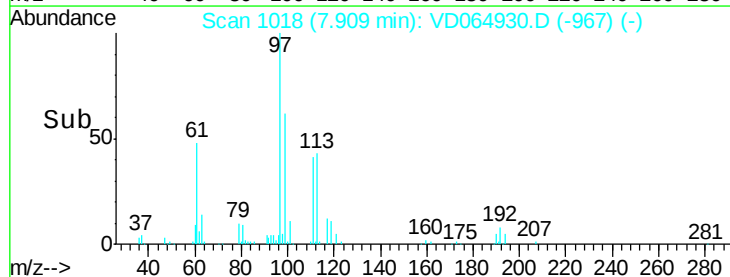
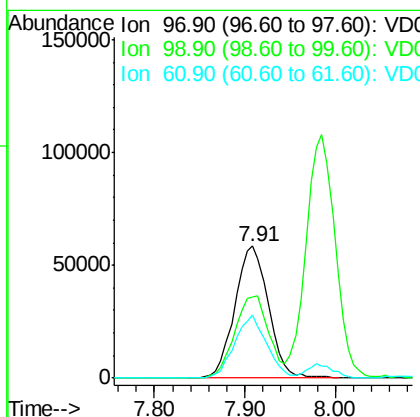
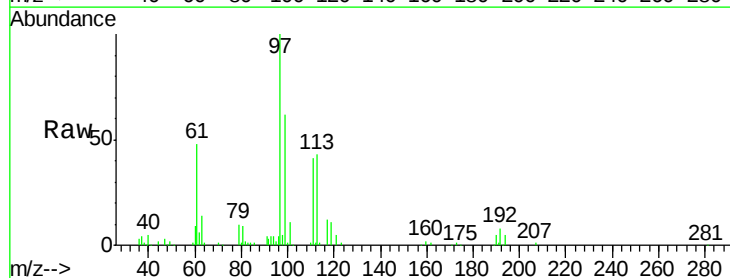
Manual Integrations
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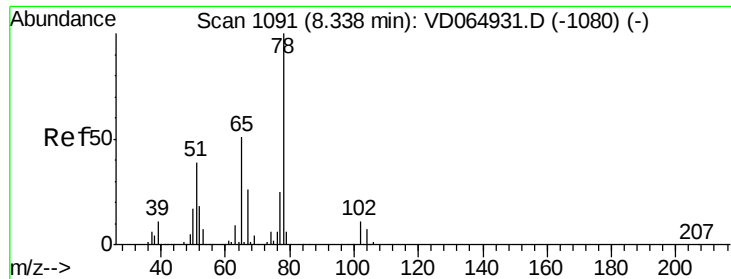
MMDadoda
1/24/2020 4:01:53 PM



#32
1,1,1-Trichloroethane
Concen: 20.365 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	76.0
61	45.3	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 20.219 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 83134

Ion Ratio Lower Upper

65 100

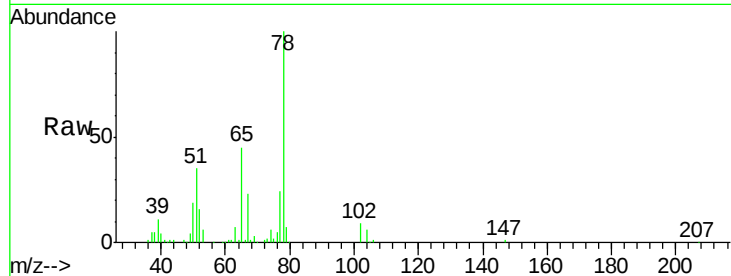
67 50.5 0.0 103.6

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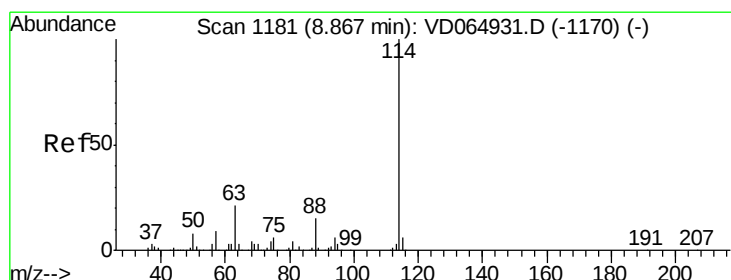
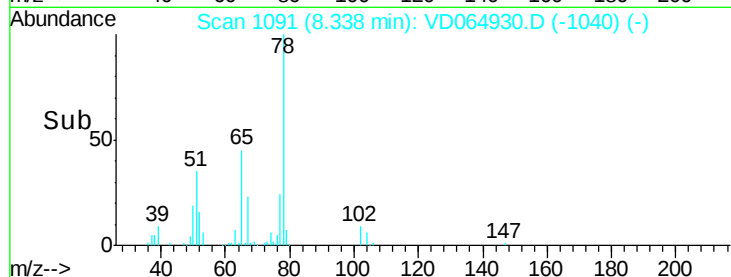
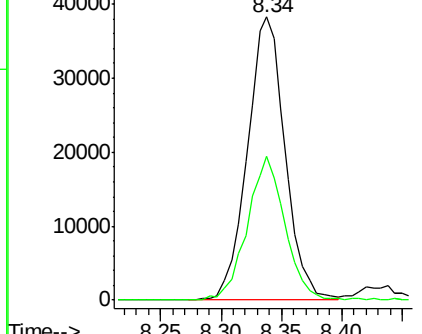
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

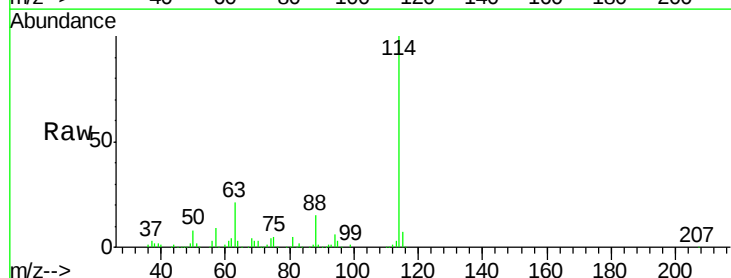
Tgt Ion: 114 Resp: 671052

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

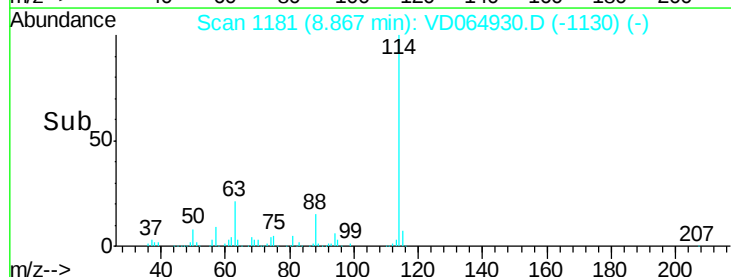
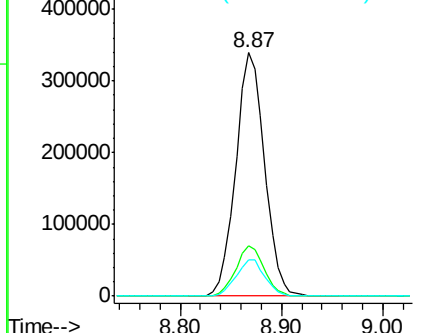
88 14.9 0.0 29.4

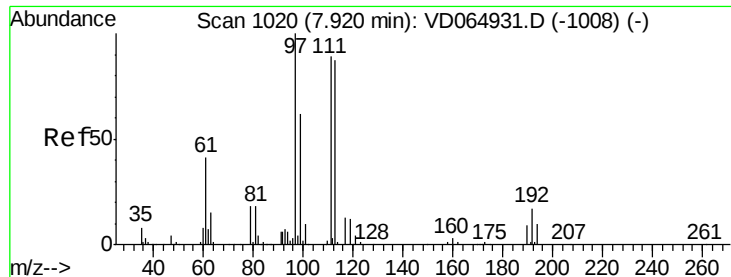


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





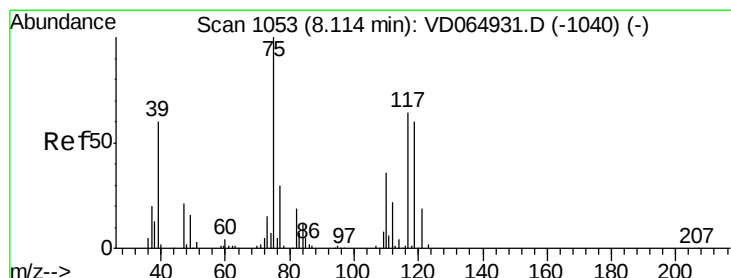
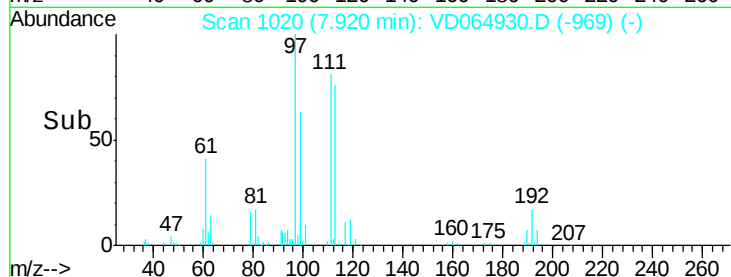
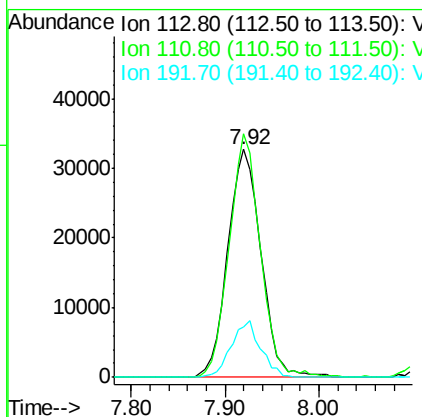
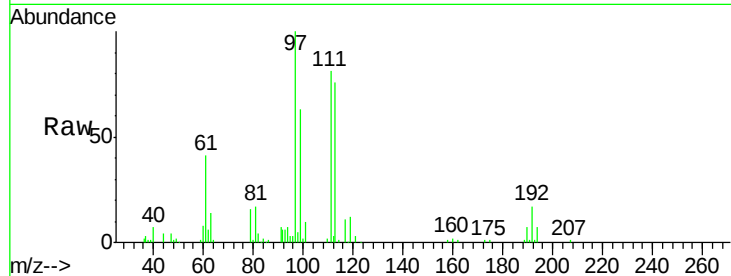
#35
Dibromofluoromethane
Concen: 19.390 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.4	123.6
192	21.7	16.9	25.3

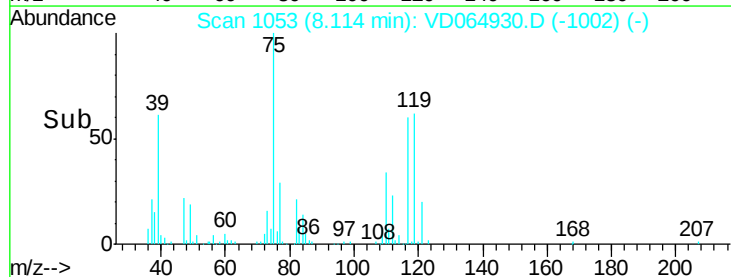
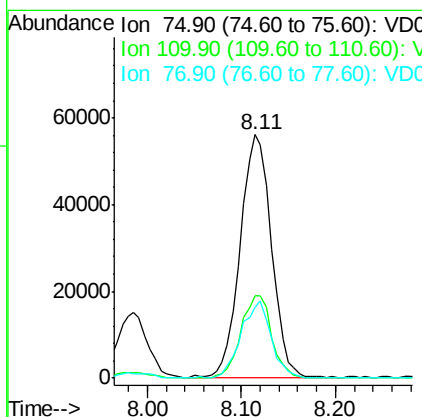
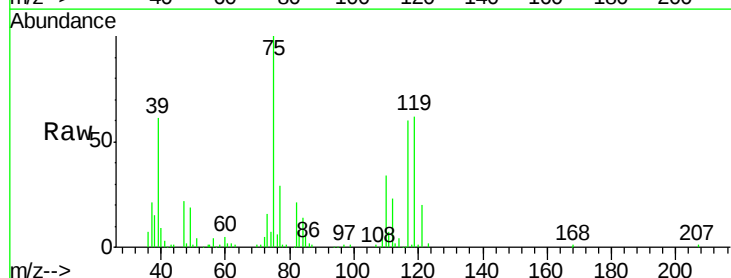
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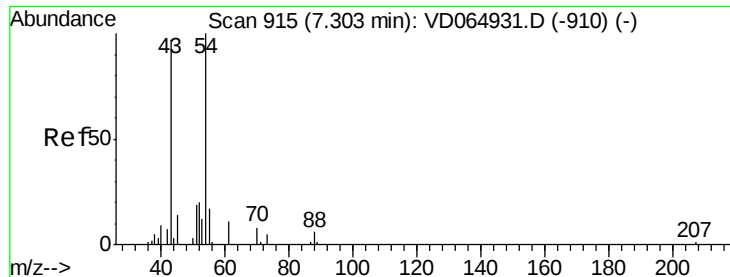
MMDadoda
1/24/2020 4:01:53 PM



#36
1,1-Dichloropropene
Concen: 20.125 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.3	52.0
77	30.5	24.7	37.1





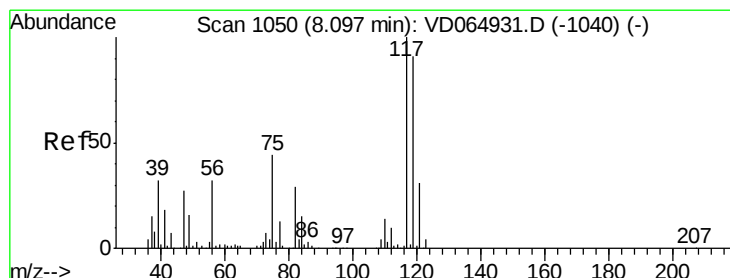
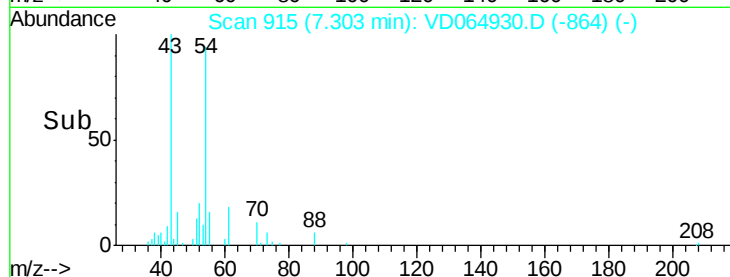
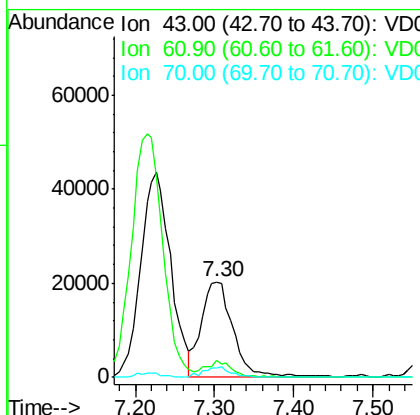
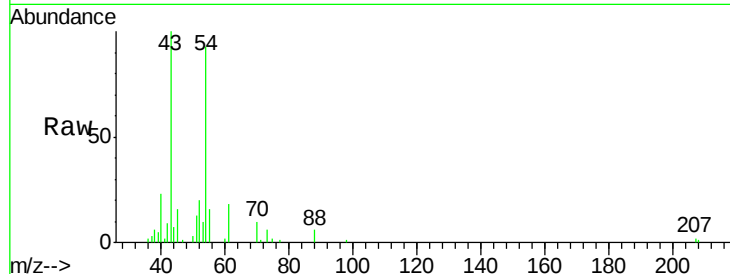
#37
Ethyl Acetate
Concen: 22.645 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	9.2	7.5	11.3

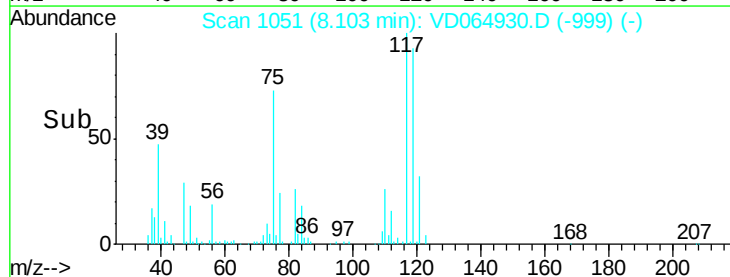
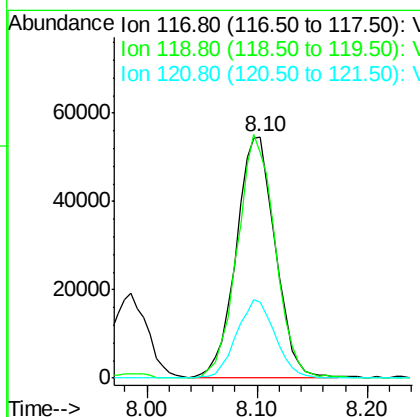
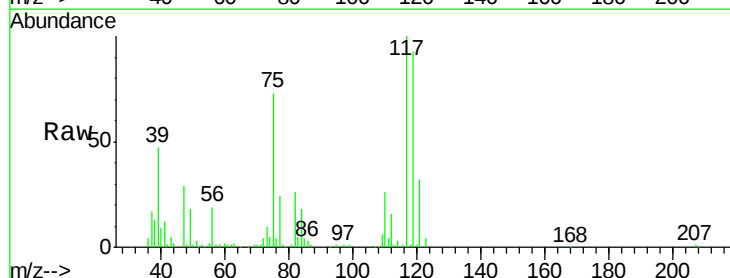
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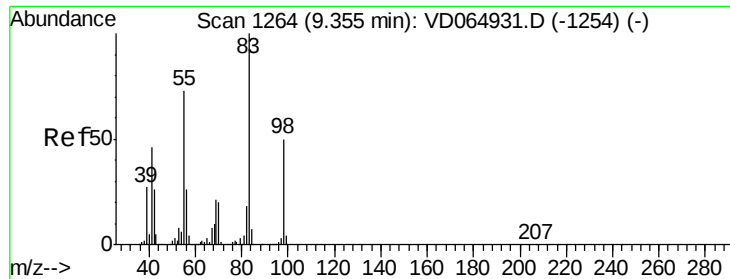
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.684 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.2	109.8
121	31.6	24.4	36.6





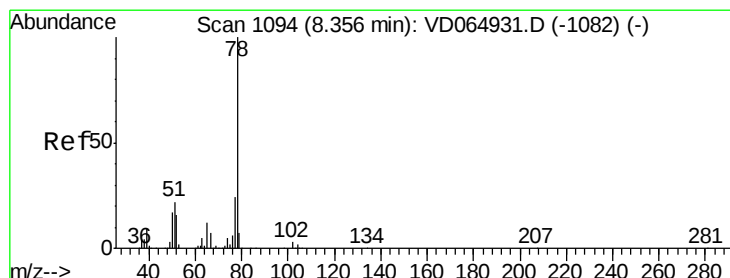
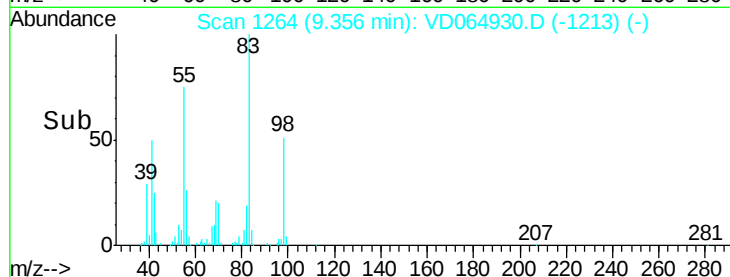
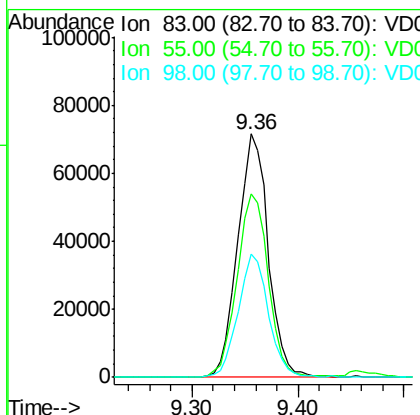
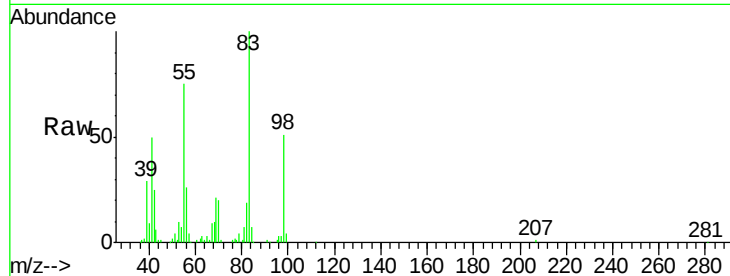
#39
Methvlcvclohexane
Concen: 18.428 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	58.7	88.1
98	50.7	40.2	60.2

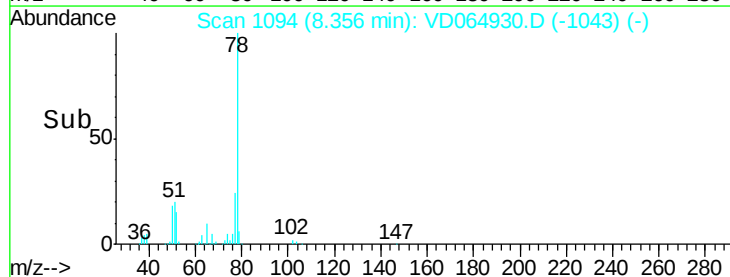
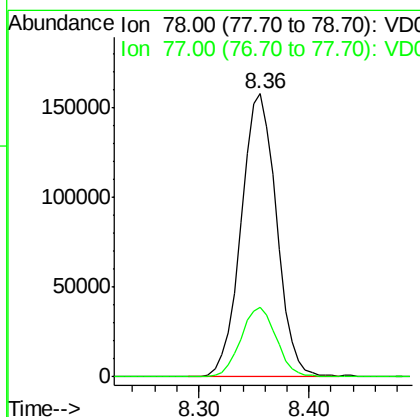
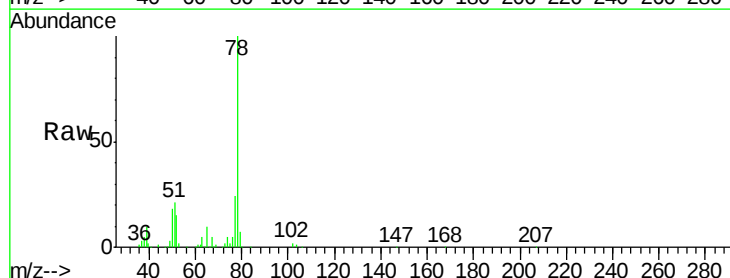
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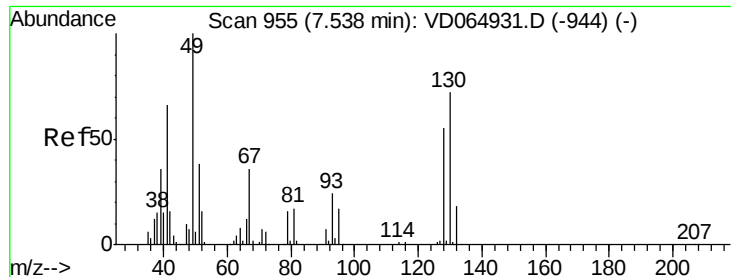
MMDadoda
1/24/2020 4:01:53 PM



#40
Benzene
Concen: 20.180 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





#41

Methacrylonitrile

Concen: 19.419 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 28677

Ion Ratio Lower Upper

41 100

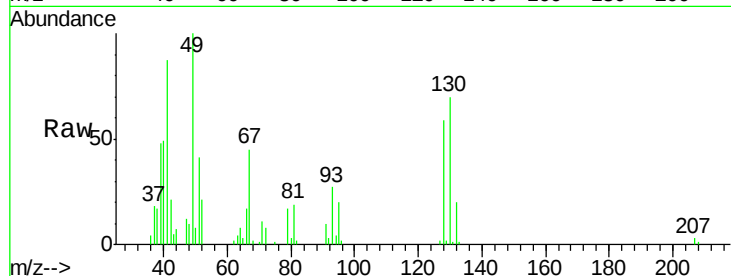
39 65.8 49.3 73.9

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

Manual Integrations
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1/24/2020 4:01:53 PM

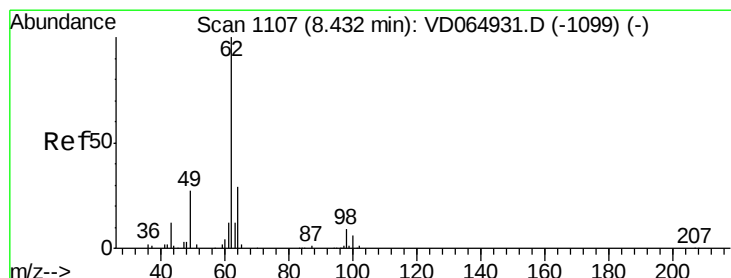
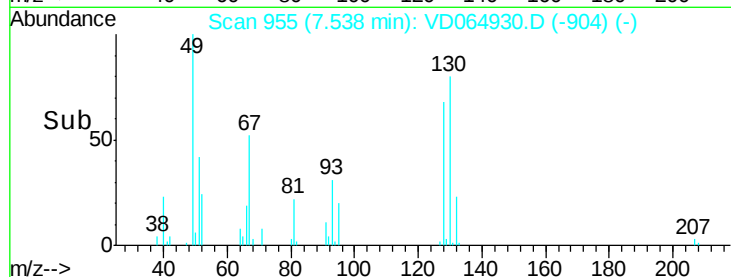
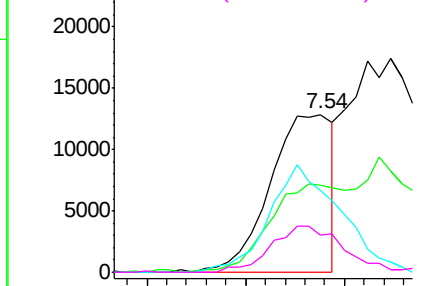


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.992 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064930.D

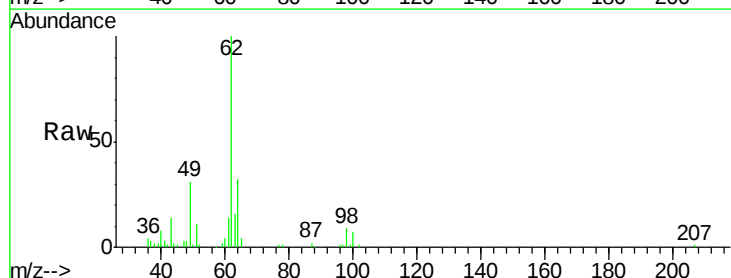
Acq: 23 Jan 2020 11:54

Tgt Ion: 62 Resp: 107499

Ion Ratio Lower Upper

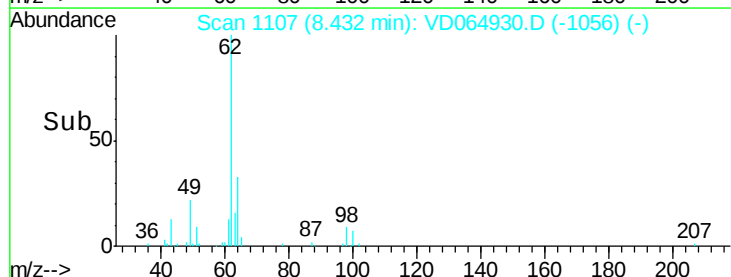
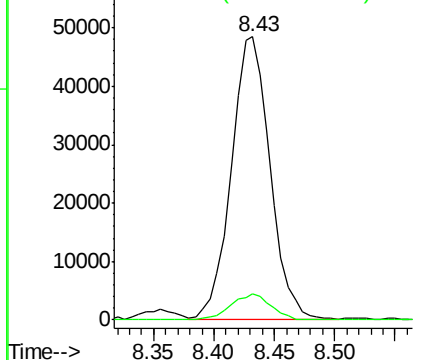
62 100

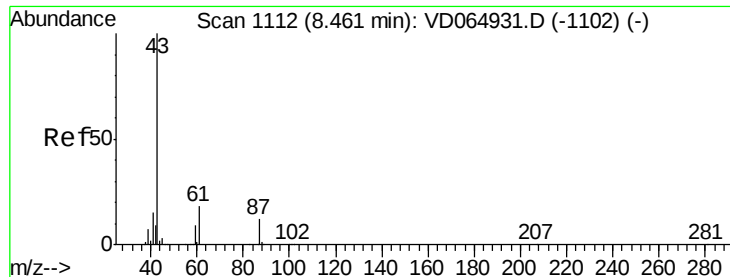
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.347 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

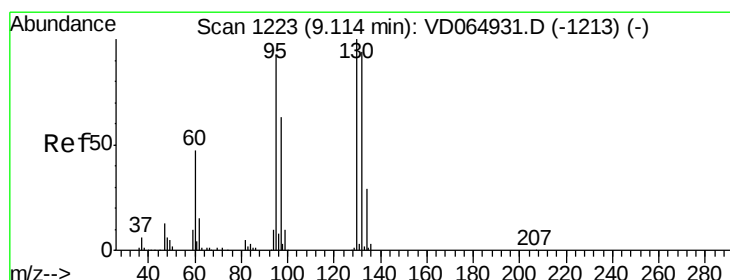
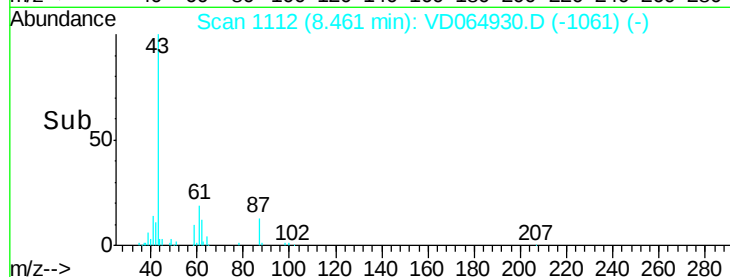
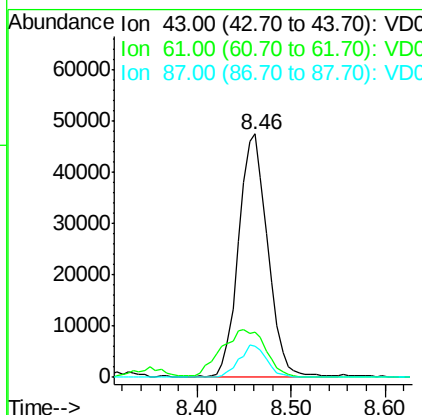
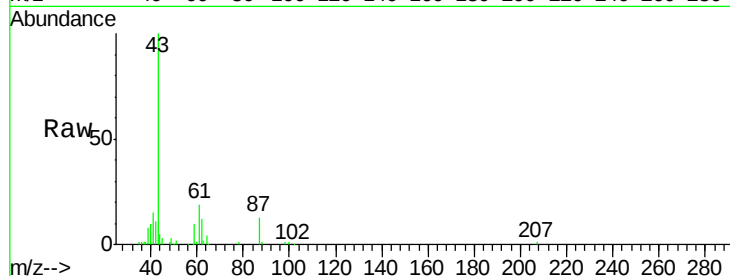
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	102167
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.6
87	12.3	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 20.004 ug/l

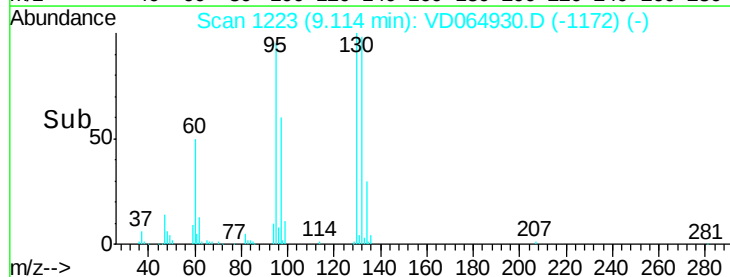
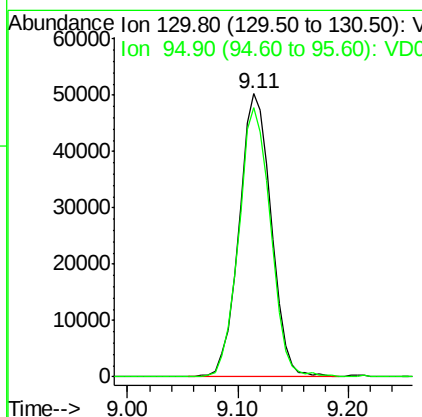
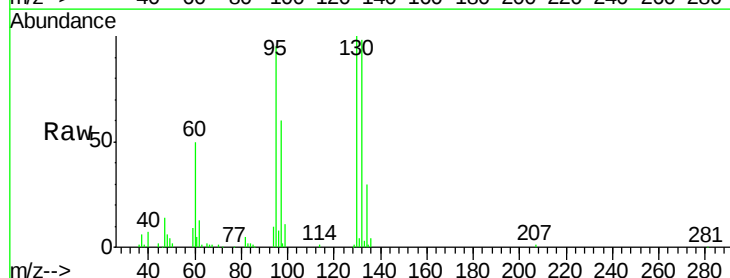
RT: 9.11 min Scan# 1223

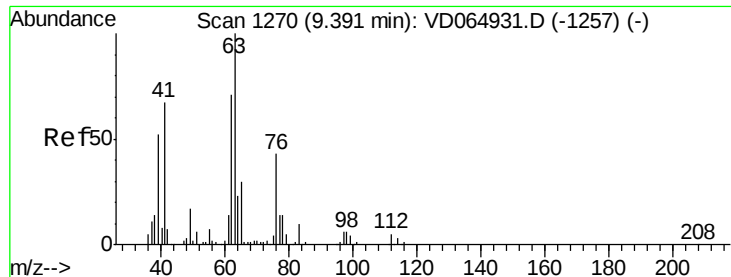
Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion:	130	Resp:	102653
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	185.8





#45

1,2-Dichloropropane

Concen: 20.569 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 86518

Ion Ratio Lower Upper

63 100

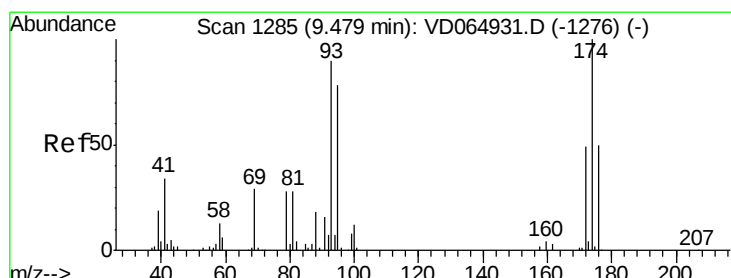
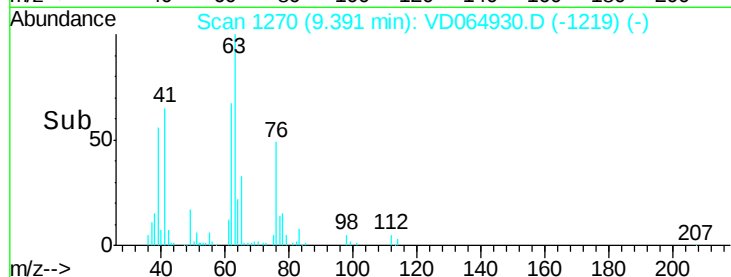
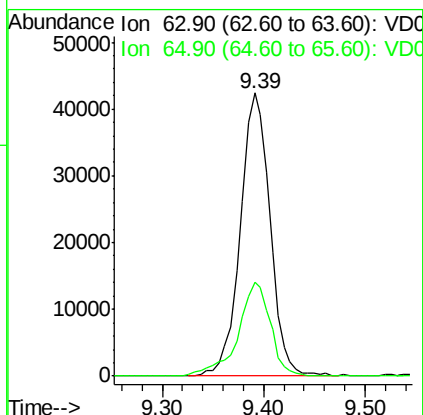
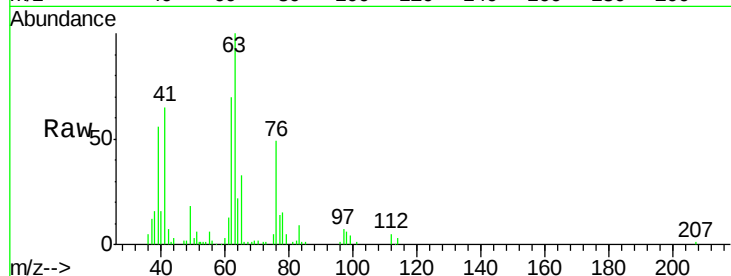
65 33.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.139 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

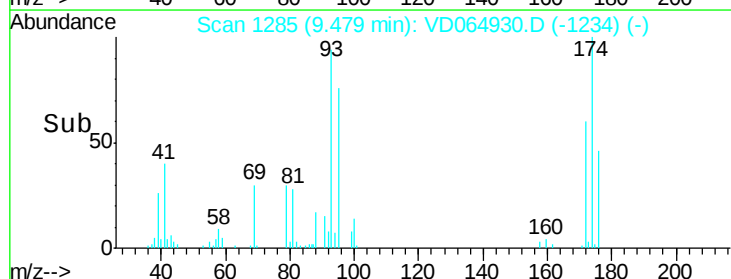
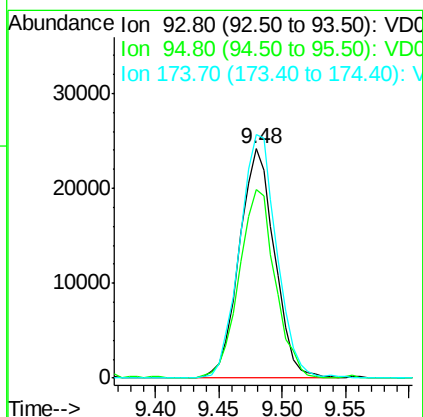
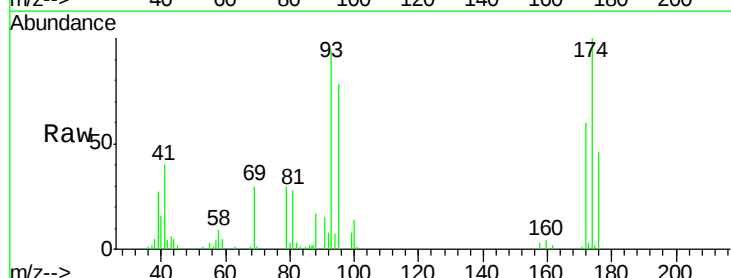
Tgt Ion: 93 Resp: 46856

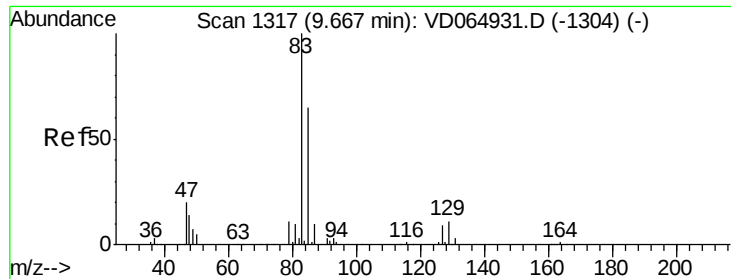
Ion Ratio Lower Upper

93 100

95 83.9 67.5 101.3

174 111.9 88.4 132.6





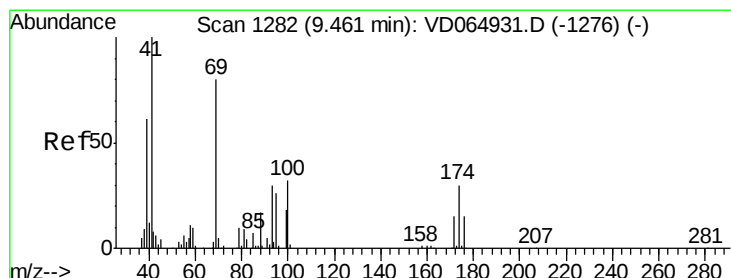
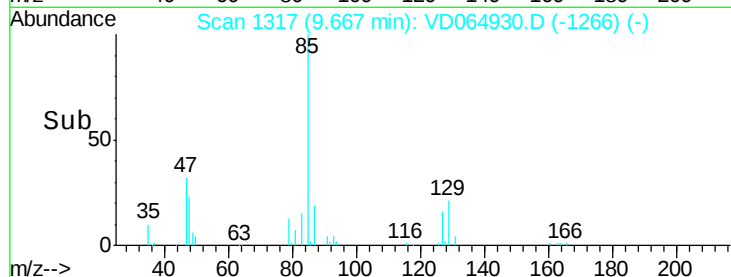
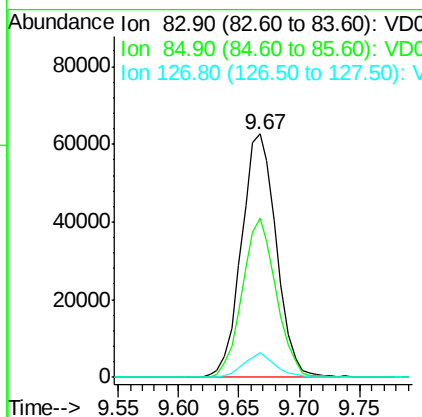
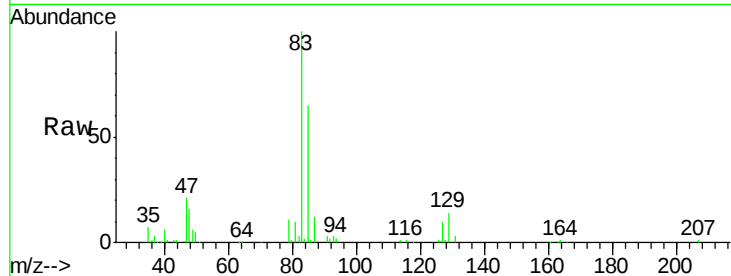
#47
Bromodichloromethane
Concen: 20.313 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125969		
85	65.3	52.0	78.0	
127	10.3	7.3	10.9	

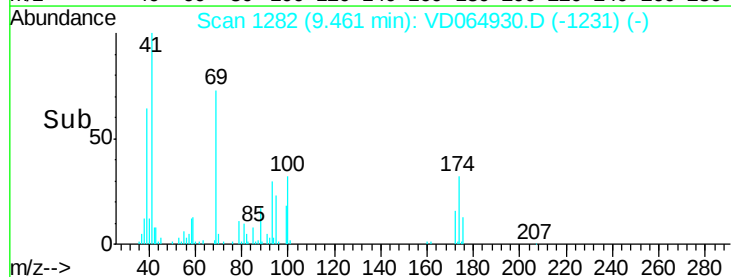
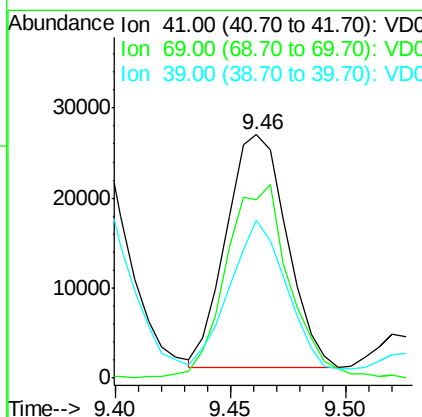
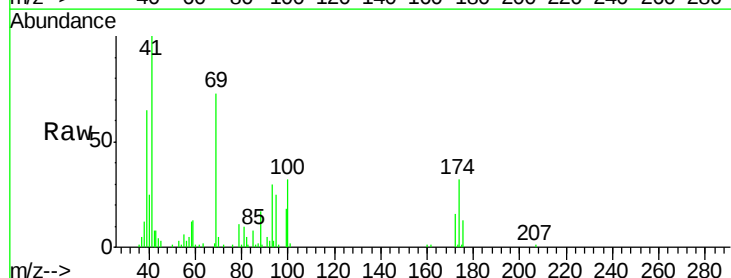
Manual Integrations
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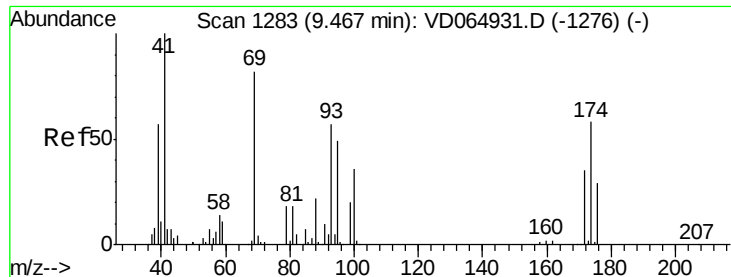
MMDadoda
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#48
Methyl methacrylate
Concen: 20.045 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	47098		
69	87.5	65.8	98.8	
39	66.2	49.4	74.0	





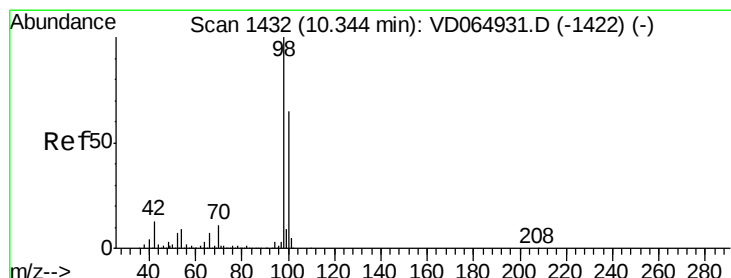
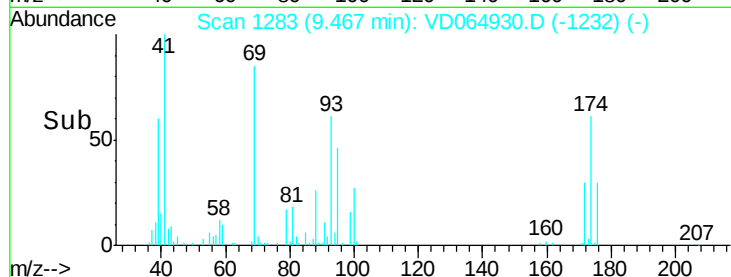
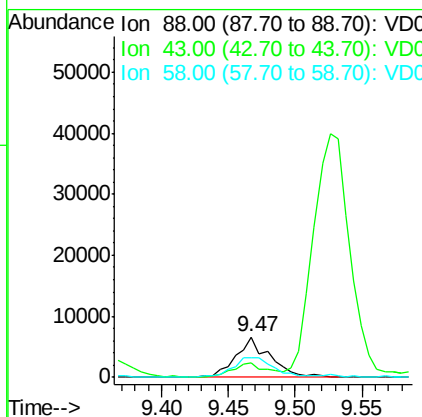
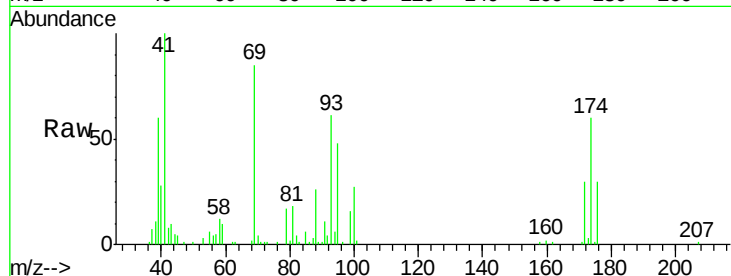
#49
1,4-Dioxane
Concen: 433.561 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	11816
Ion	Ratio	Lower	Upper
88	100		
43	37.3	26.2	39.4
58	57.7	50.3	75.5

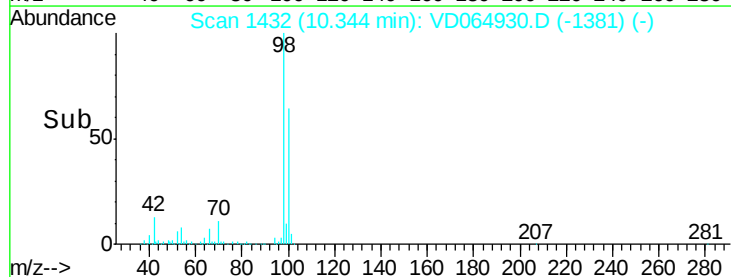
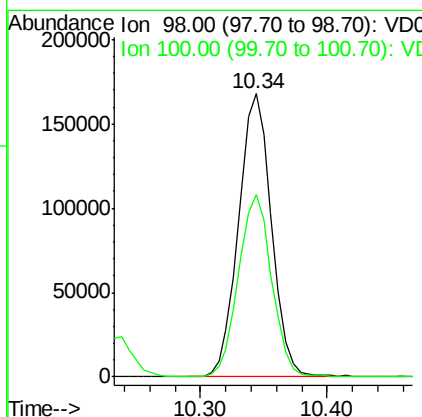
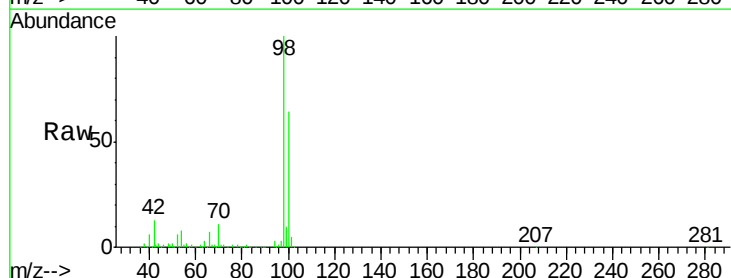
Manual Integrations
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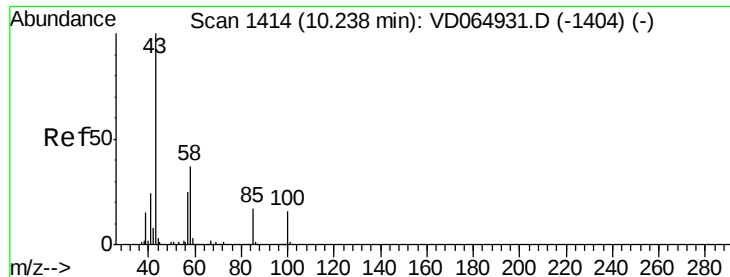
MMDadoda
1/24/2020 4:01:53 PM



#50
Toluene-d8
Concen: 18.893 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	98	Resp	301825
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 103.233 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 258001

Ion Ratio Lower Upper

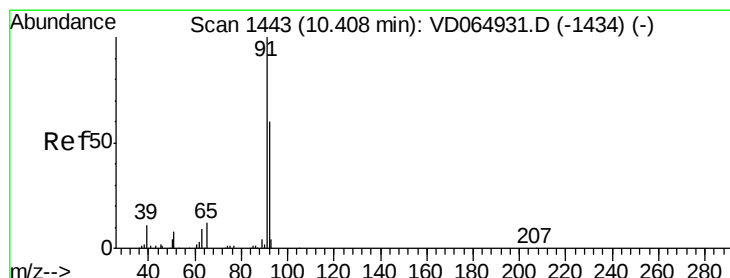
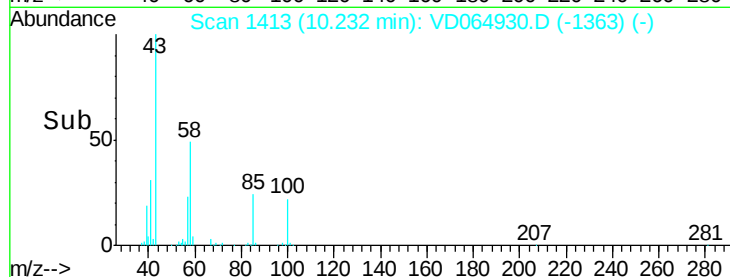
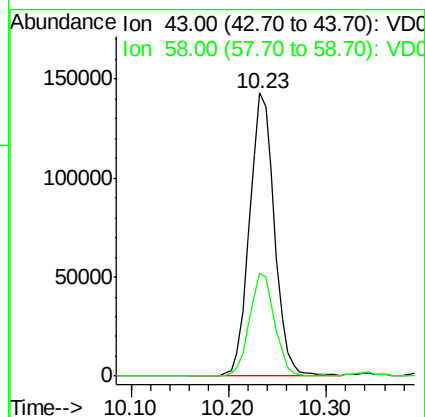
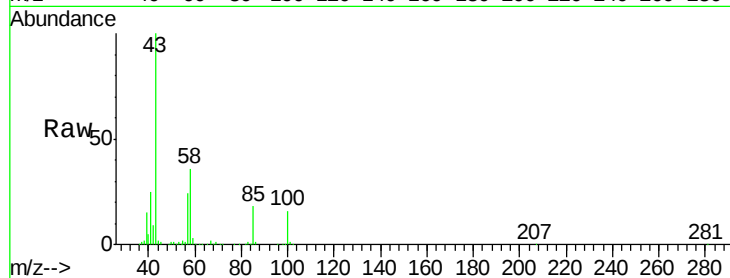
43 100

58 36.8 30.4 45.6

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#52

Toluene

Concen: 19.918 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064930.D

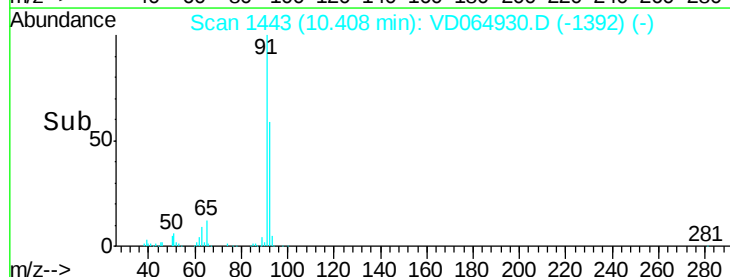
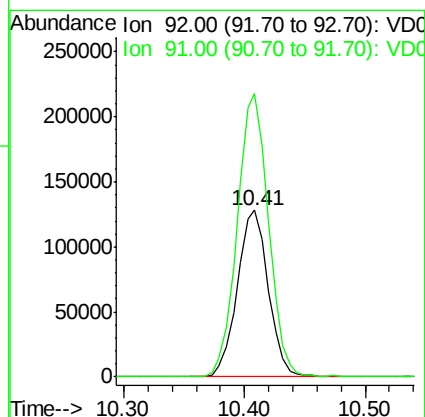
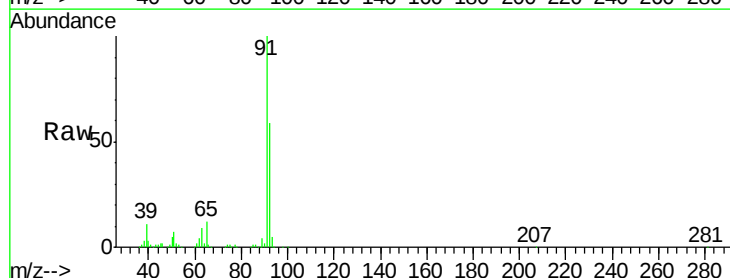
Acq: 23 Jan 2020 11:54

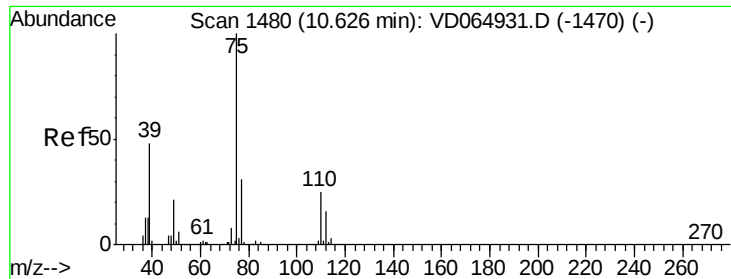
Tgt Ion: 92 Resp: 229669

Ion Ratio Lower Upper

92 100

91 171.9 136.8 205.2





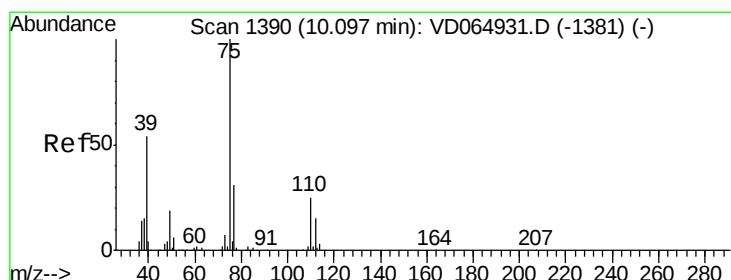
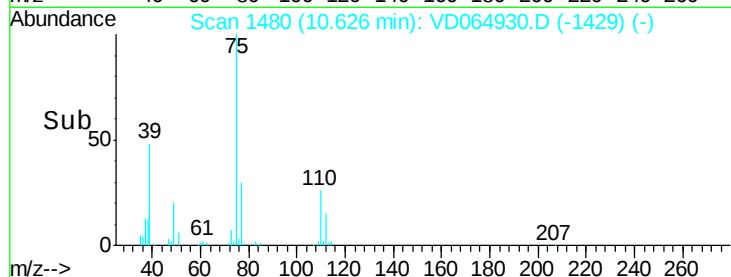
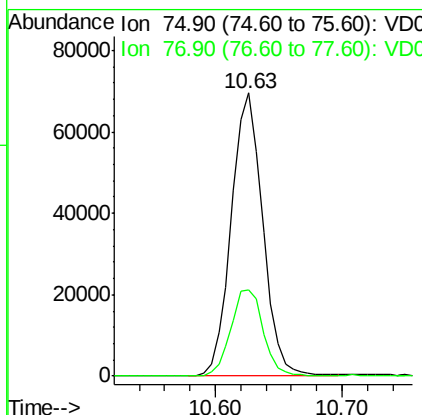
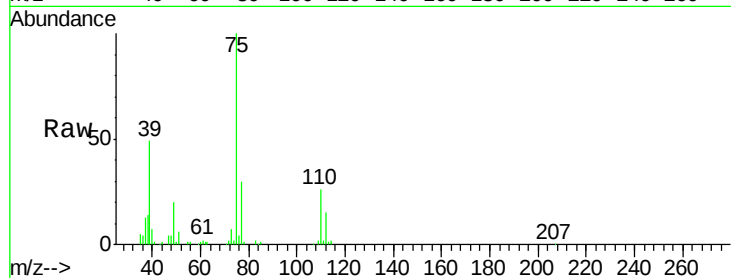
#53
t-1,3-Dichloropropene
Concen: 20.512 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	75	Resp	119259
Ion Ratio	Lower	Upper	
75	100		
77	30.4	25.0	37.6

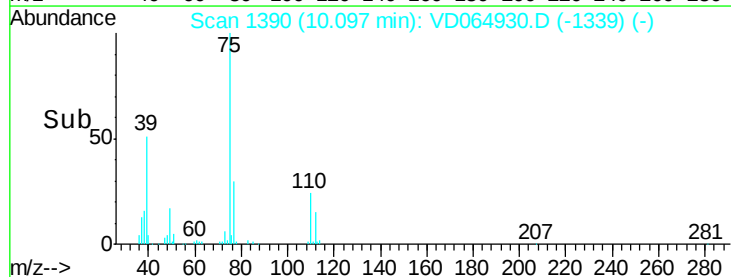
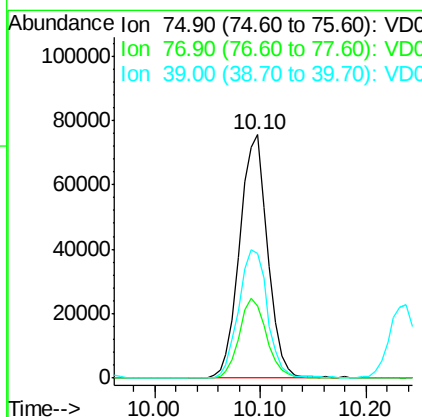
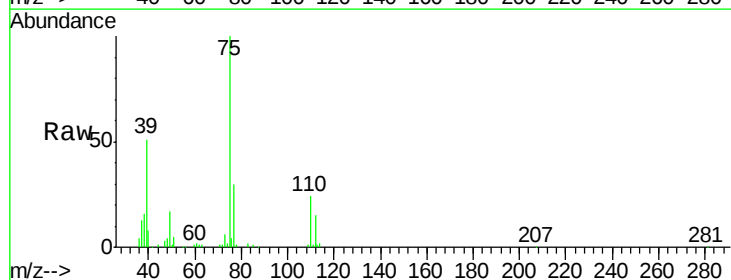
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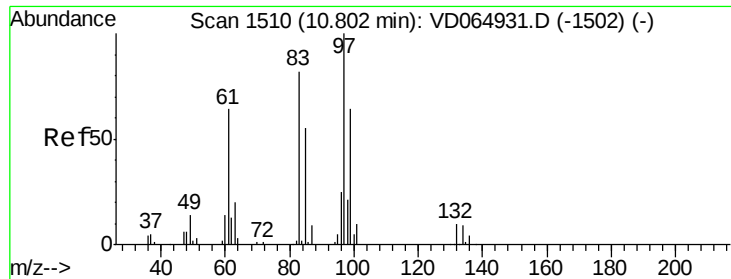
MMDadoda
1/24/2020 4:01:53 PM



#54
cis-1,3-Dichloropropene
Concen: 20.250 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	75	Resp	138432
Ion Ratio	Lower	Upper	
75	100		
77	29.7	25.1	37.7
39	51.4	43.0	64.6





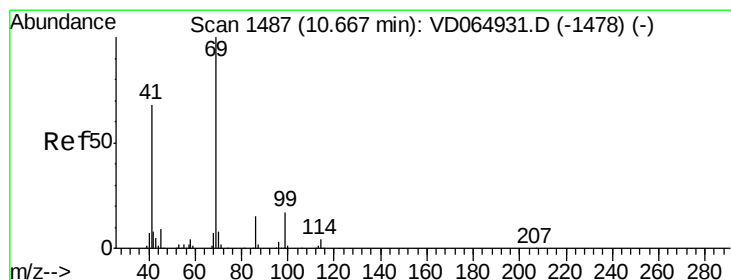
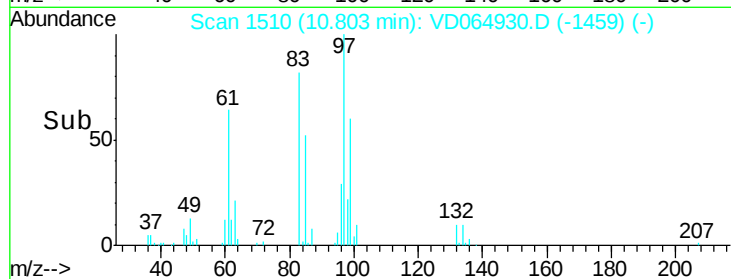
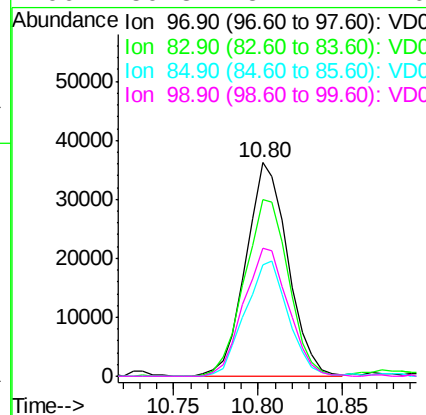
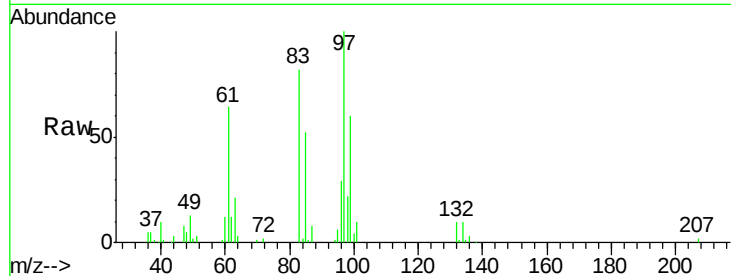
#55
 1,1,2-Trichloroethane
 Concen: 19.923 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	62866
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.0	99.0
85	52.3	44.4	66.6
99	59.8	51.4	77.0

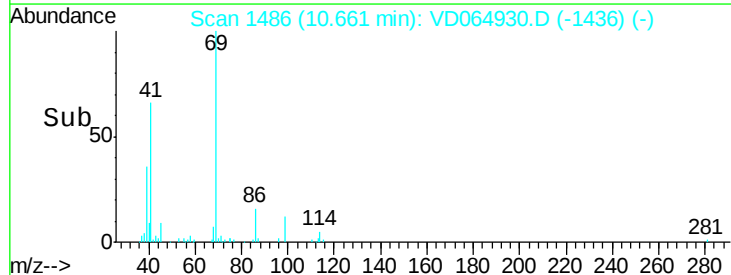
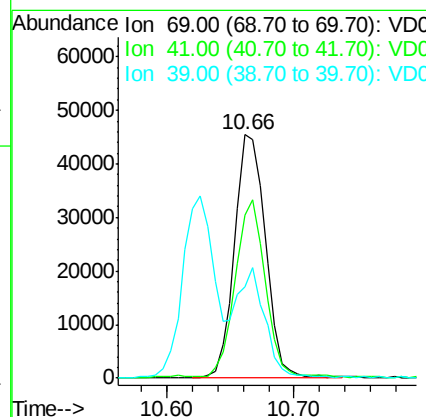
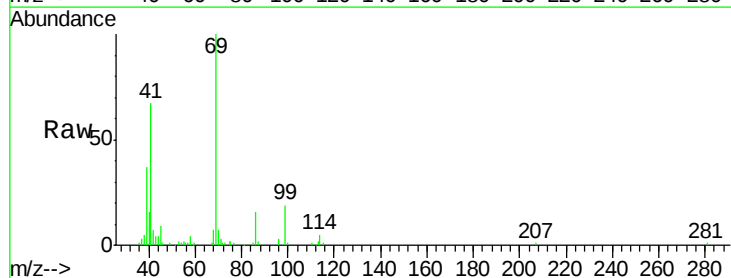
Manual Integrations
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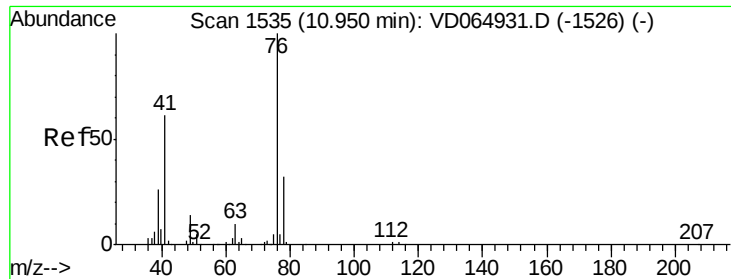
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#56
 Ethyl methacrylate
 Concen: 19.572 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion:	69	Resp:	76942
Ion	Ratio	Lower	Upper
69	100		
41	72.2	56.4	84.6
39	39.1	30.6	46.0





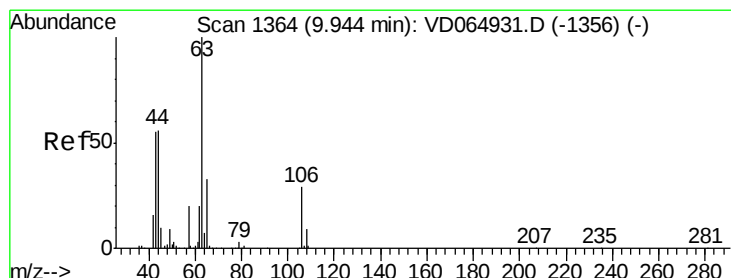
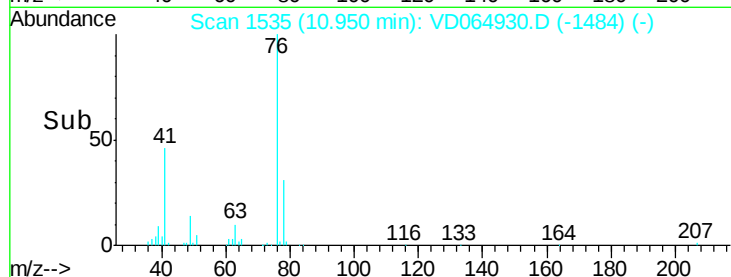
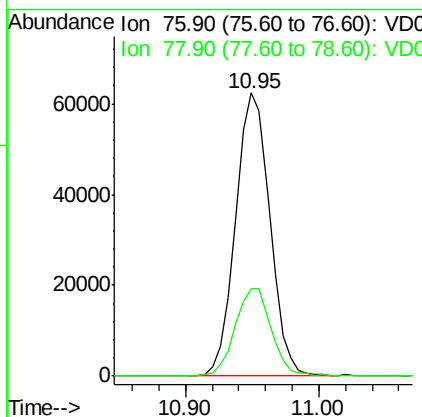
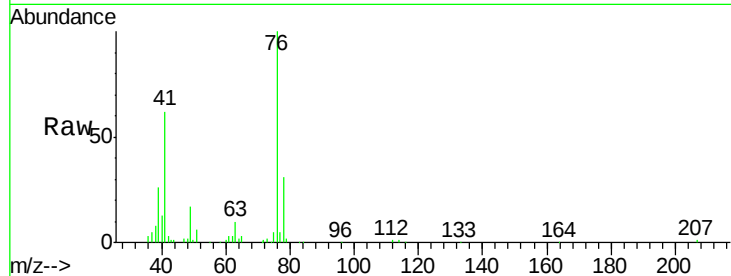
#57
 1,3-Dichloropropane
 Concen: 20.429 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 111062
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

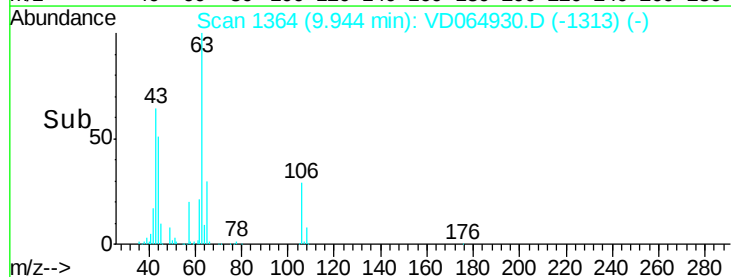
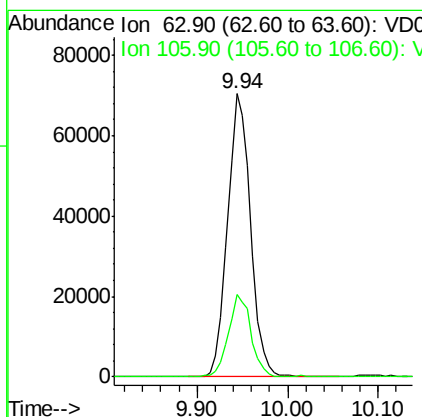
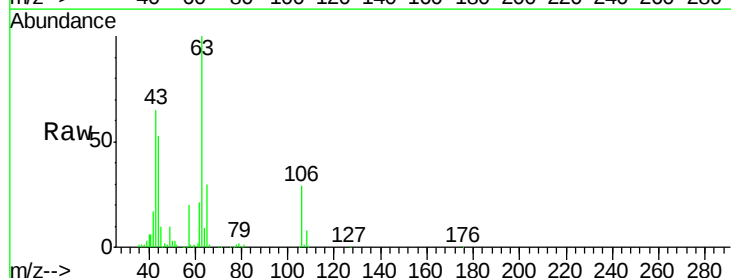
Manual Integrations
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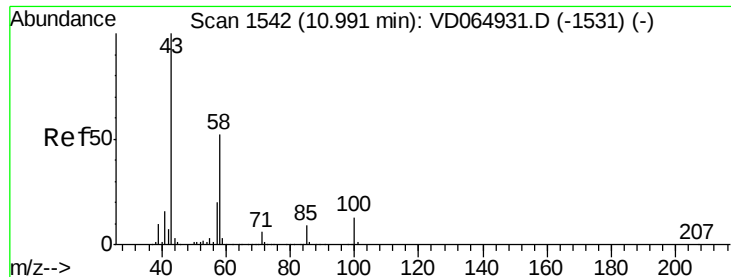
MMDadoda
 1/24/2020 4:01:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.459 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 63 Resp: 124473
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.0 34.4





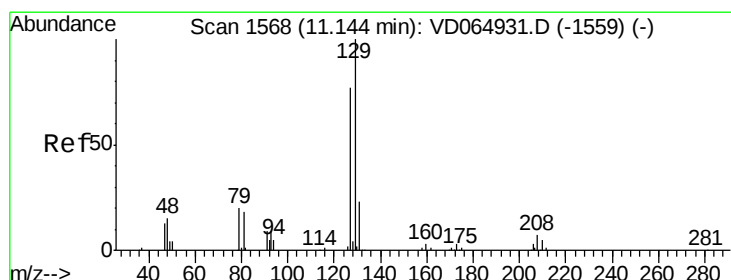
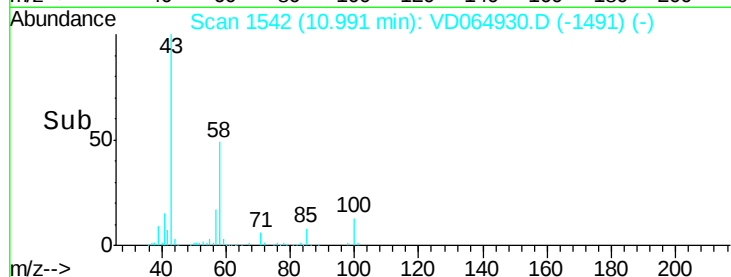
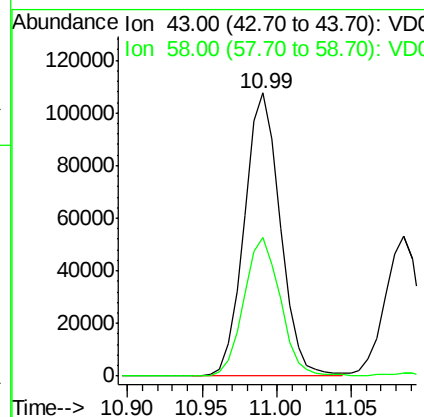
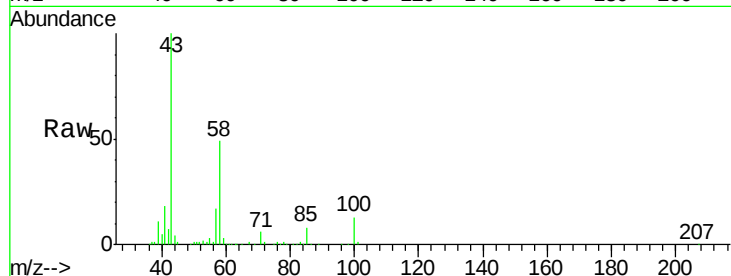
#59
2-Hexanone
Concen: 105.509 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	179405
Ion Ratio	43	100	
Lower	58	49.7	26.5
Upper			79.4

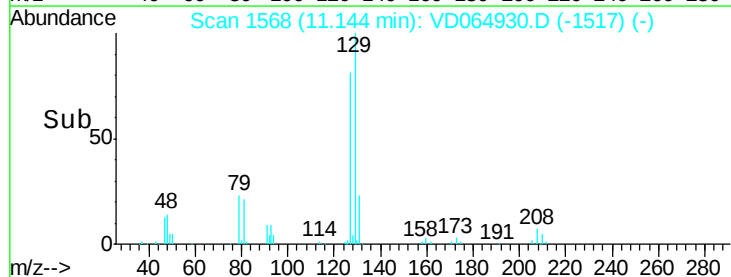
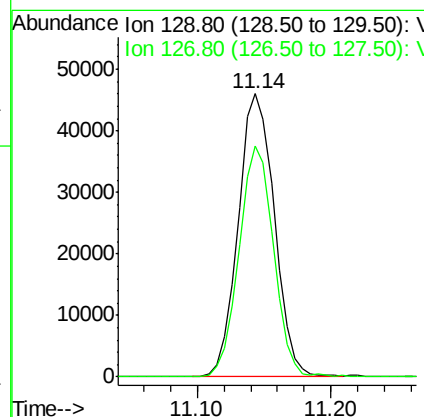
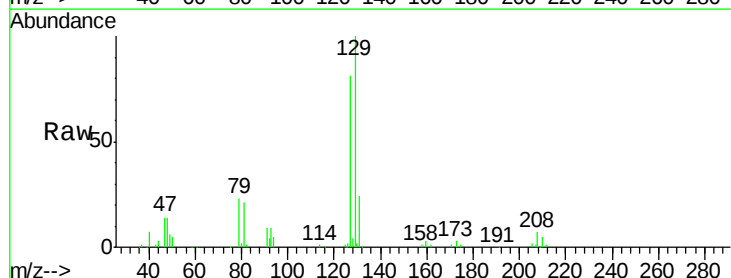
Manual Integrations
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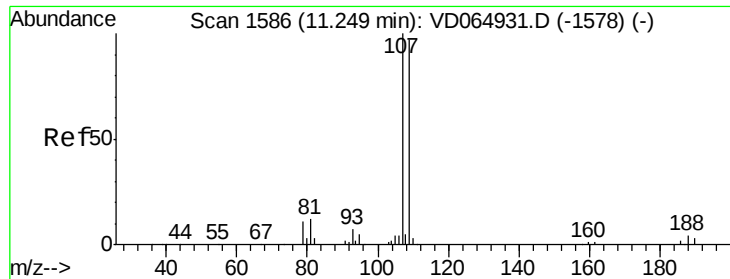
MMDadoda
1/24/2020 4:01:53 PM



#60
Dibromochloromethane
Concen: 19.872 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	129	Resp	86136
Ion Ratio	129	100	
Lower	127	77.9	38.2
Upper			114.6





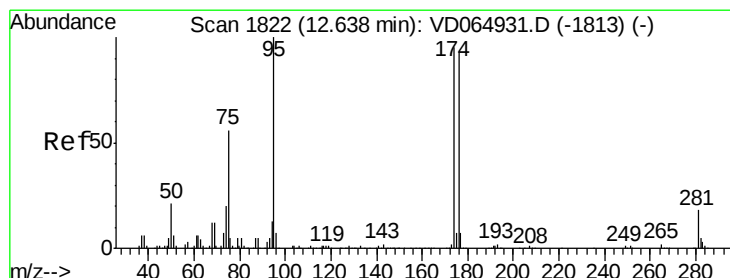
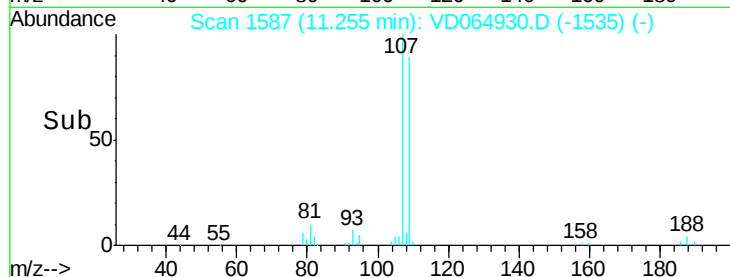
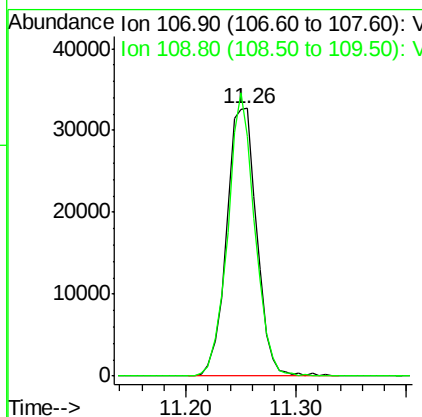
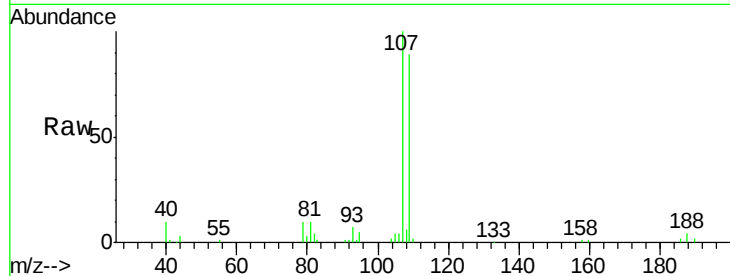
#61
 1,2-Dibromoethane
 Concen: 20.200 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	77.1	115.7

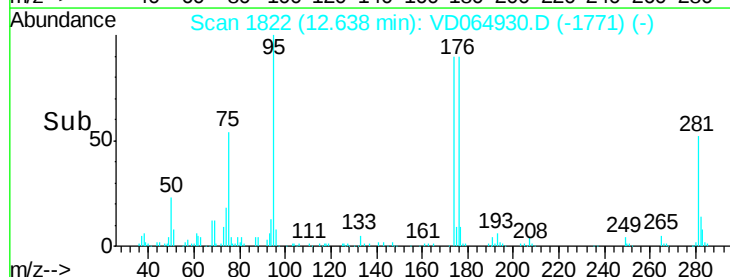
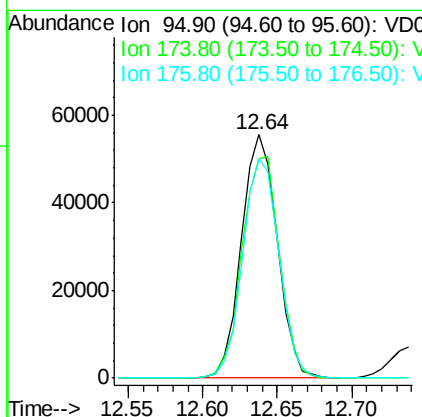
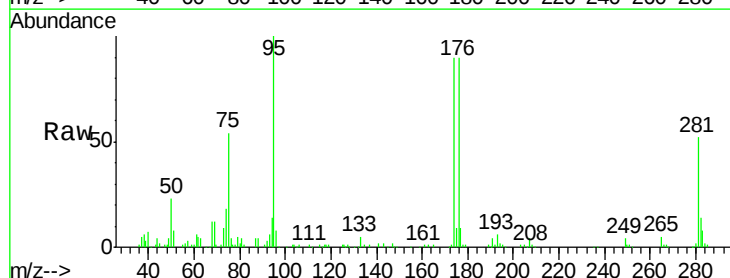
Manual Integrations
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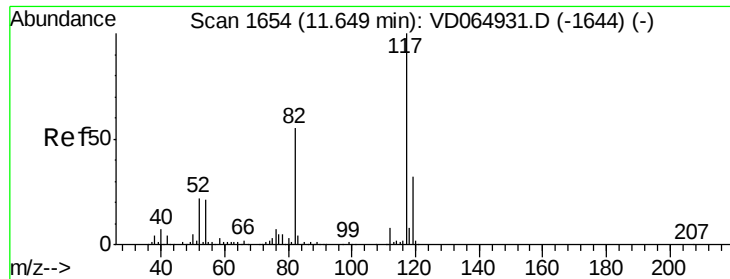
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 18.443 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	186.8
176	91.4	0.0	183.4





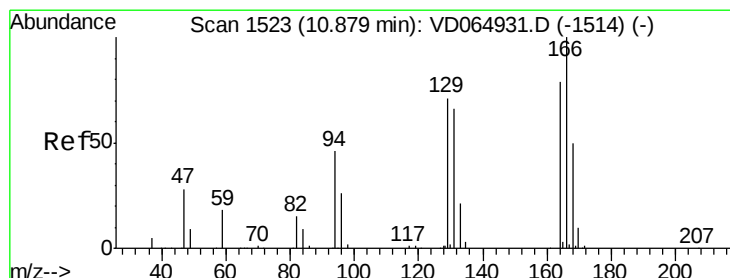
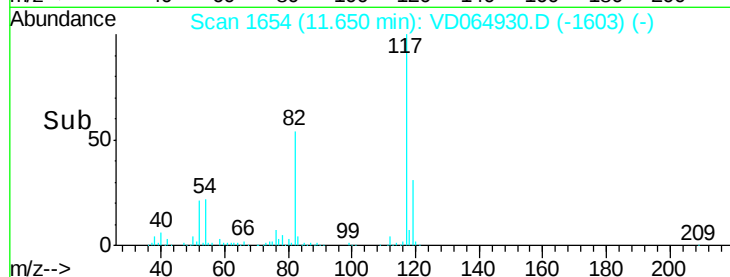
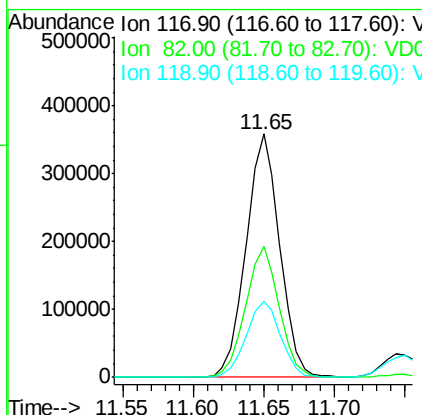
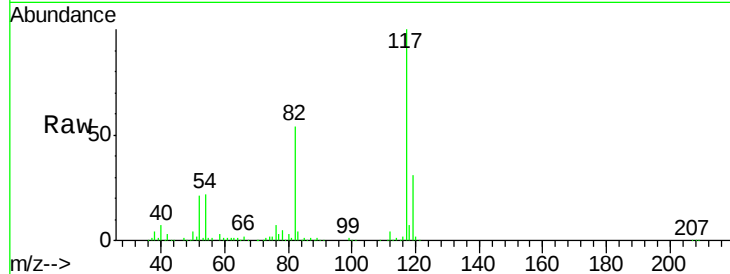
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.6	65.4
119	31.4	25.2	37.8

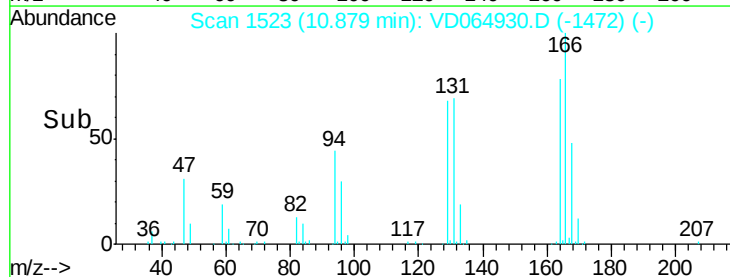
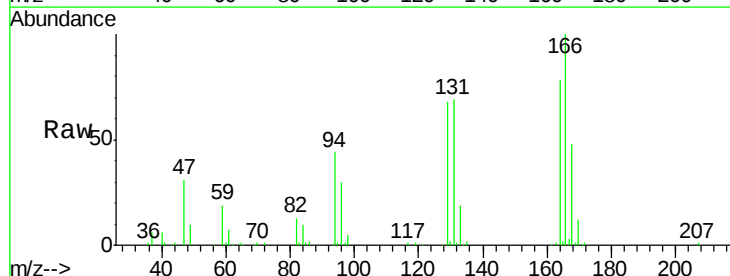
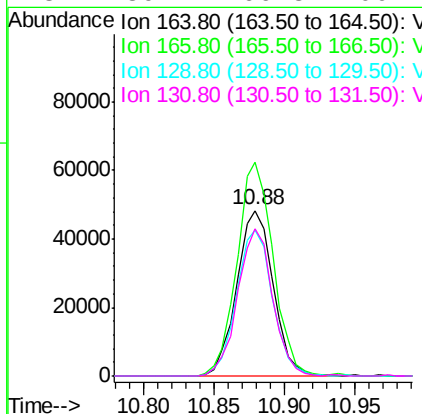
Manual Integrations
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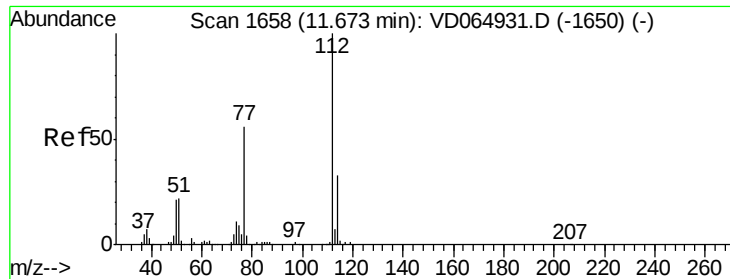
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#64
Tetrachloroethene
Concen: 19.130 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.4	152.2
129	88.1	71.8	107.8
131	89.2	66.8	100.2





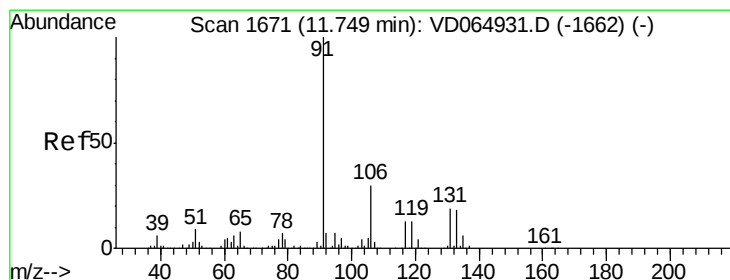
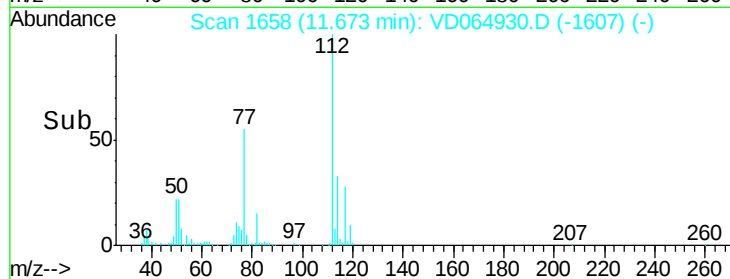
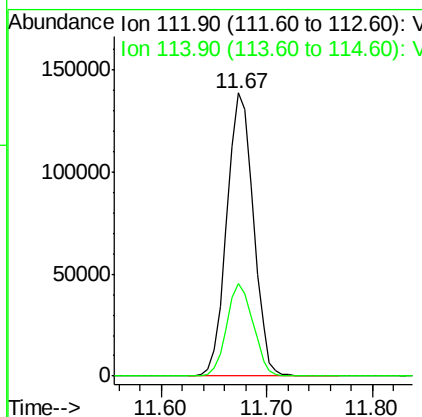
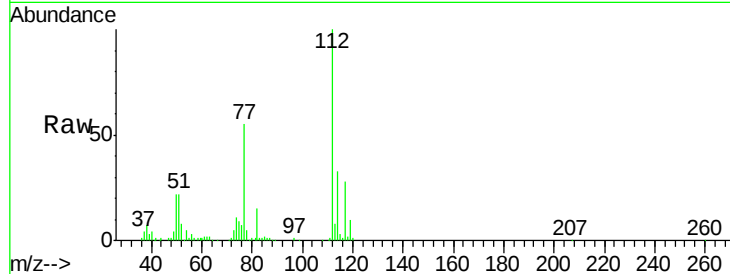
#65
Chlorobenzene
Concen: 19.704 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 241172
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4

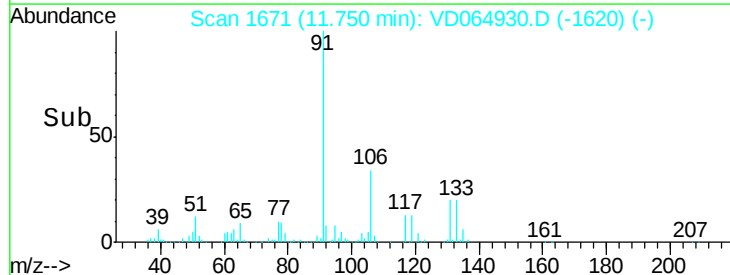
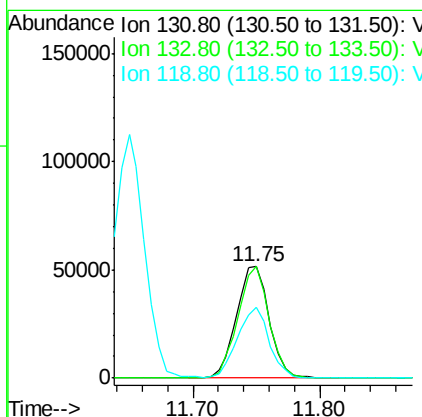
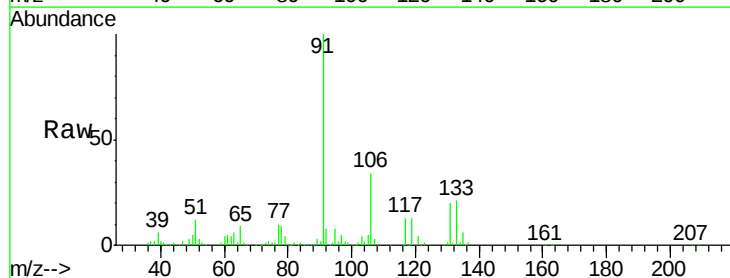
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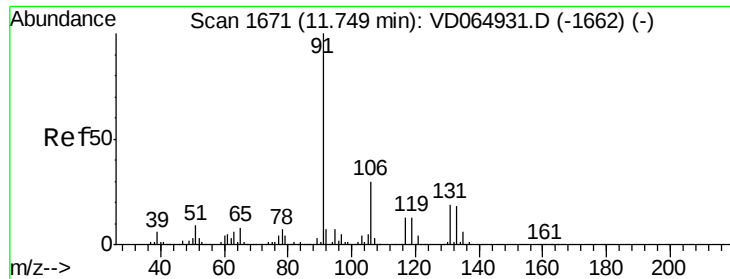
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.834 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion:131 Resp: 91952
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 62.2 31.1 93.5





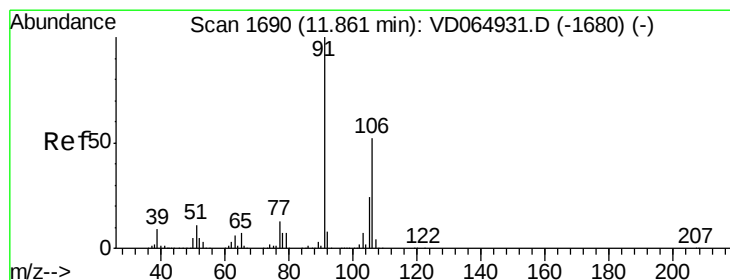
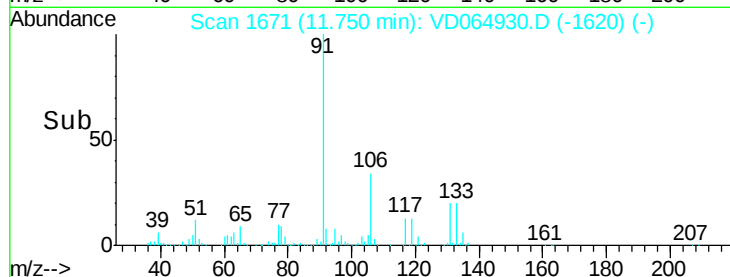
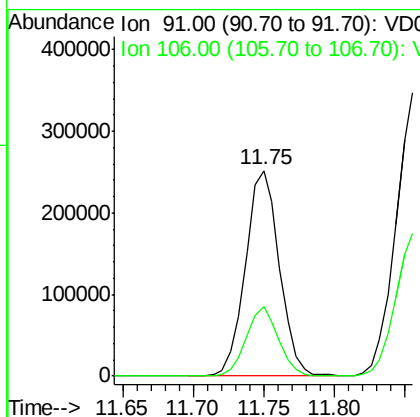
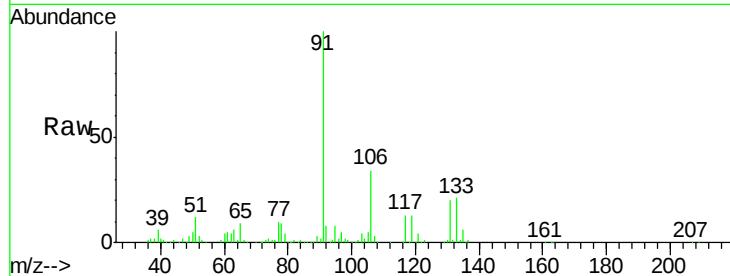
#67
Ethyl Benzene
Concen: 18.980 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 423826
Ion Ratio Lower Upper
91 100
106 34.1 24.3 36.5

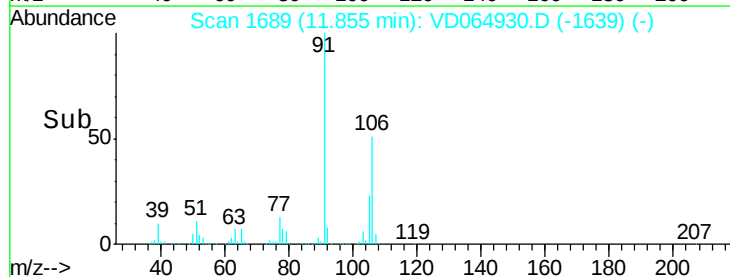
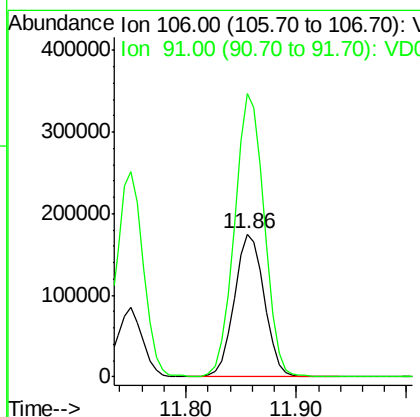
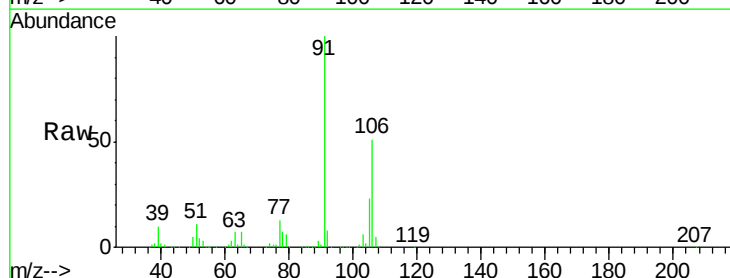
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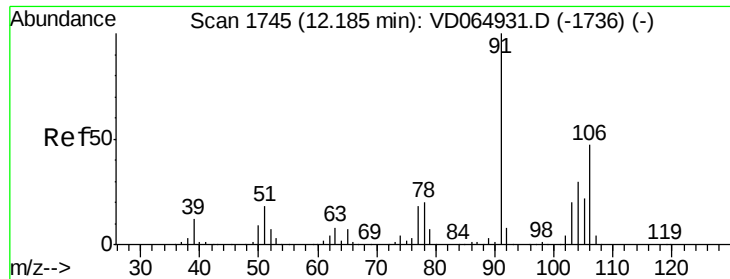
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#68
m/p-Xylenes
Concen: 38.776 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 106 Resp: 333403
Ion Ratio Lower Upper
106 100
91 196.7 159.0 238.4





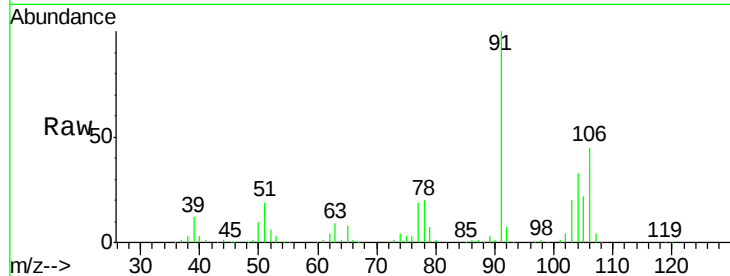
#69
o-Xylene
Concen: 18.805 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

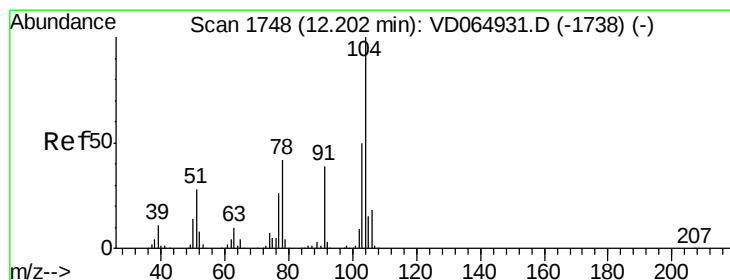
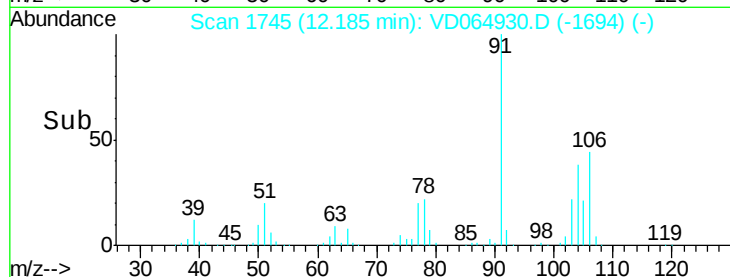
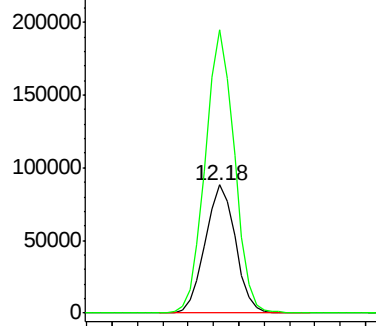
Tot Ion:106 Resp: 145745
Ion Ratio Lower Upper
106 100
91 212.0 106.7 319.9

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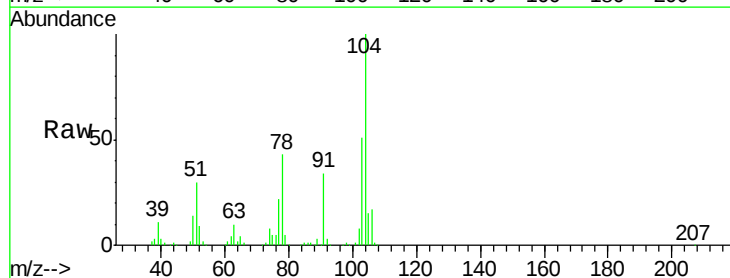


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

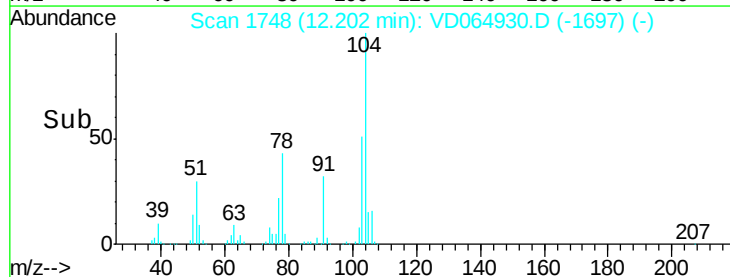
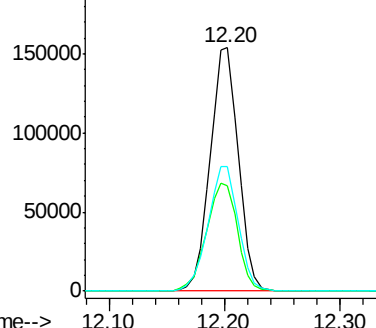


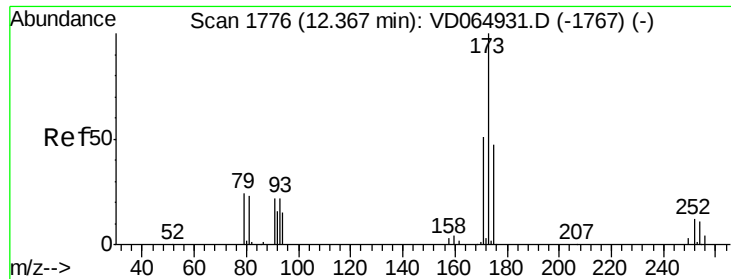
#70
Styrene
Concen: 19.024 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion:104 Resp: 260318
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 54.8 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





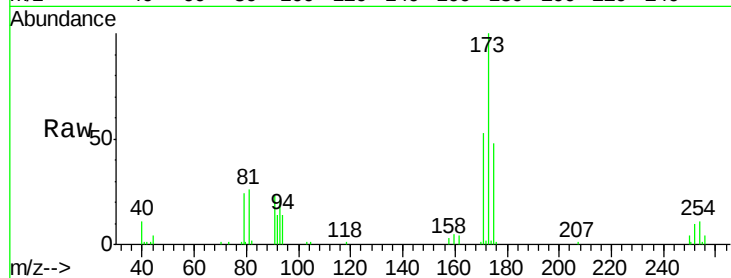
#71
Bromoform
Concen: 19.797 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

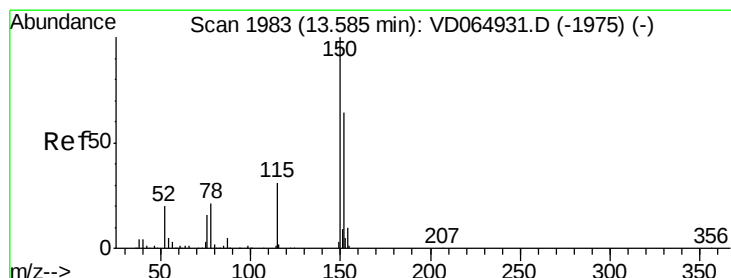
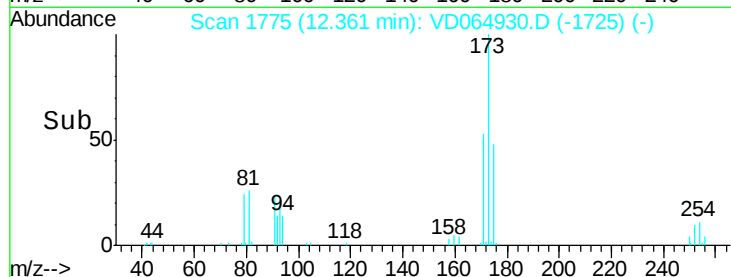
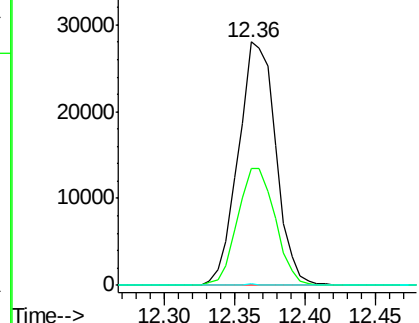
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	0.1	0.1	0.1

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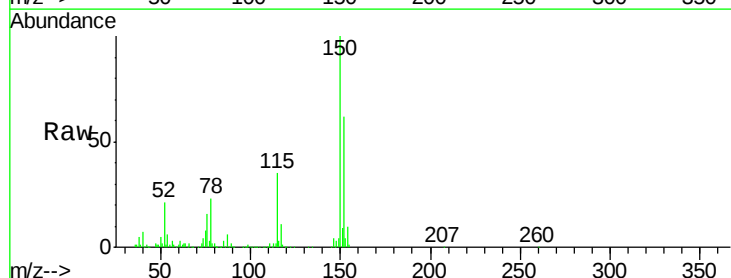


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

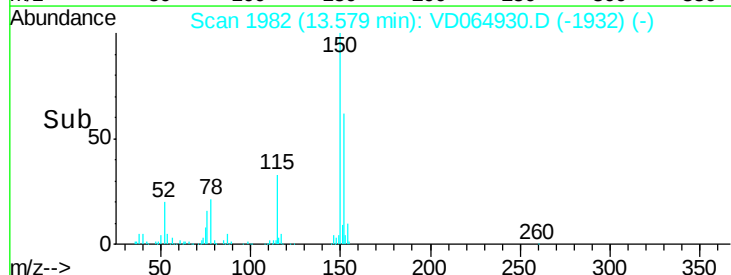
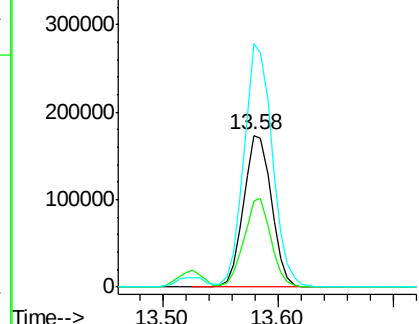


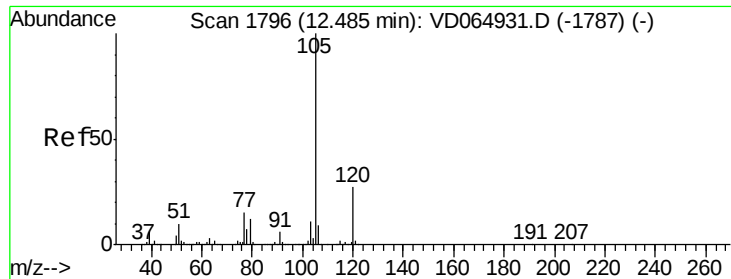
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.4
150	163.6	0.0	350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.232 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 396197

Ion Ratio Lower Upper

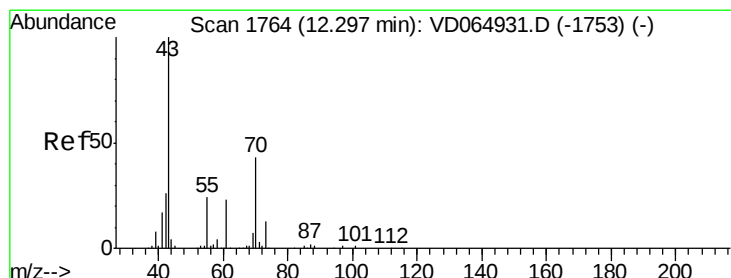
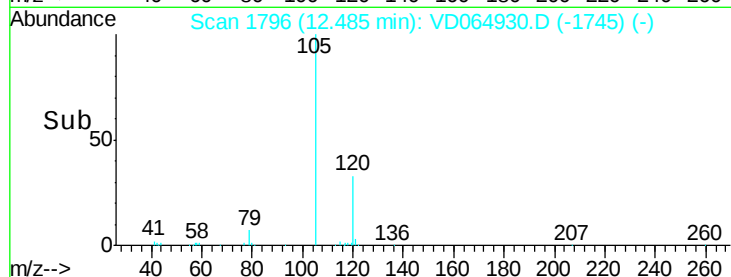
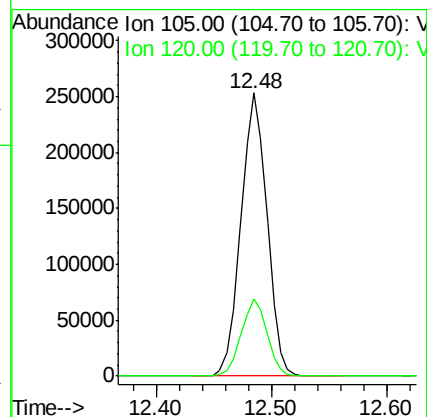
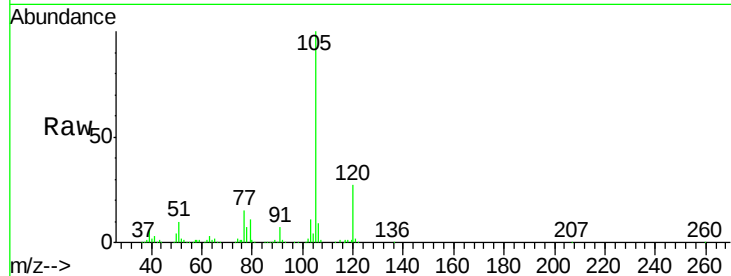
105 100

120 27.0 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.295 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion: 43 Resp: 89612

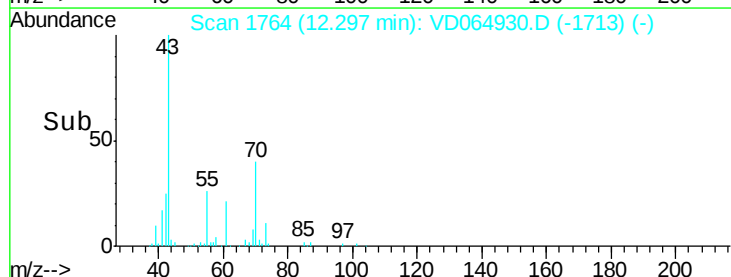
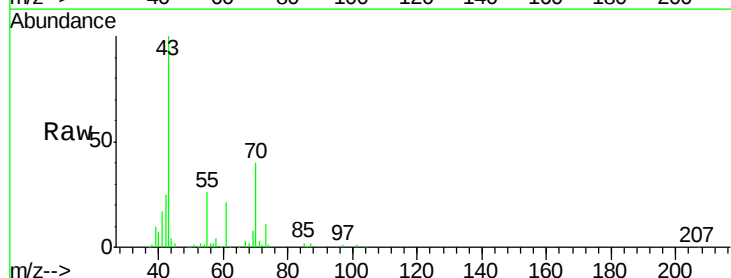
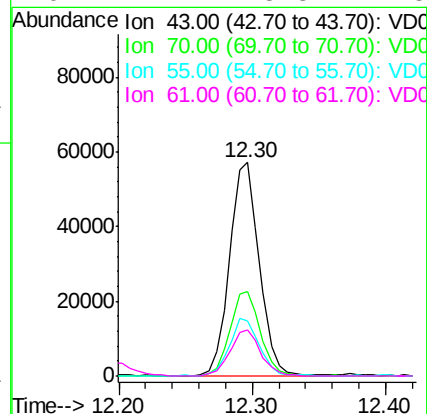
Ion Ratio Lower Upper

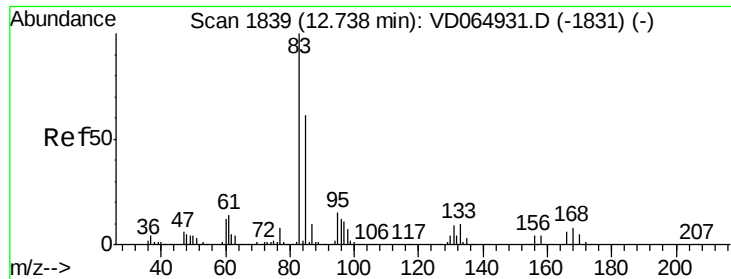
43 100

70 40.0 32.6 49.0

55 27.1 19.9 29.9

61 22.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.686 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

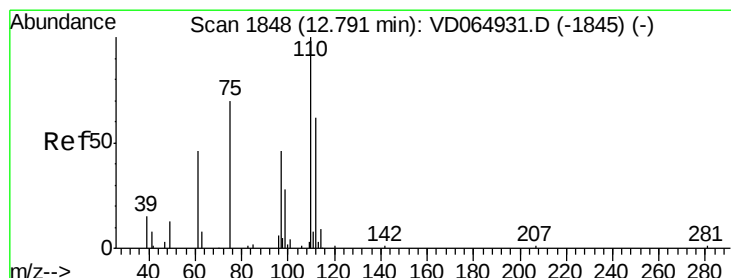
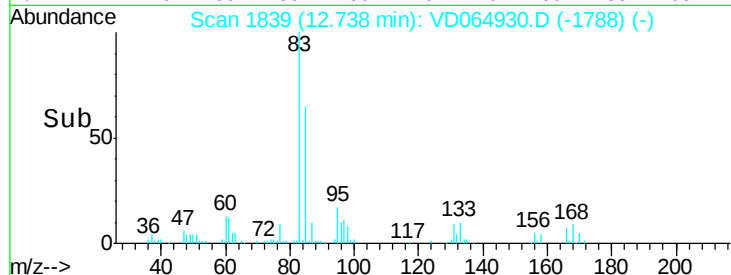
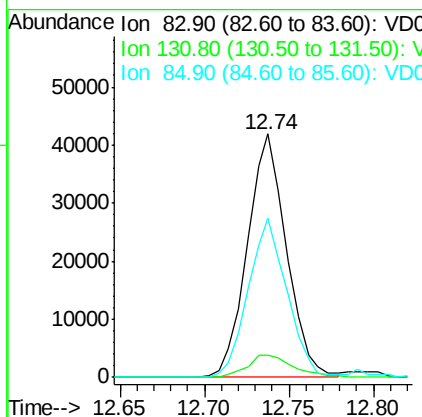
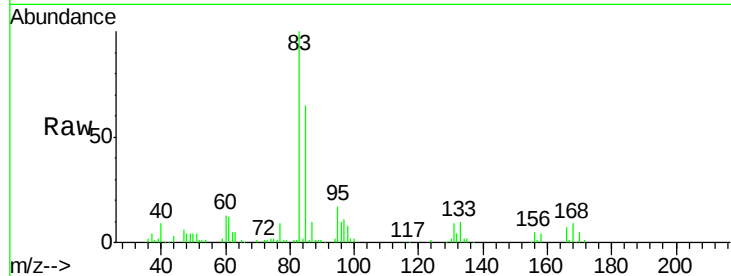
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	67380
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	64.3	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.657 ug/l m

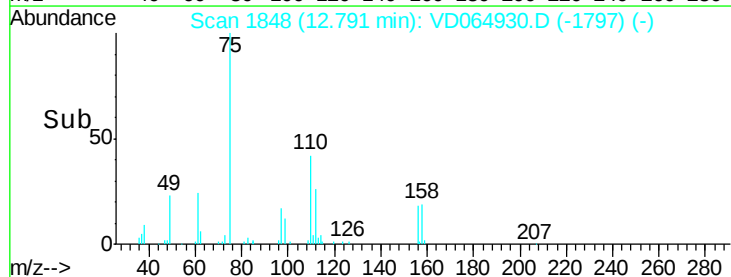
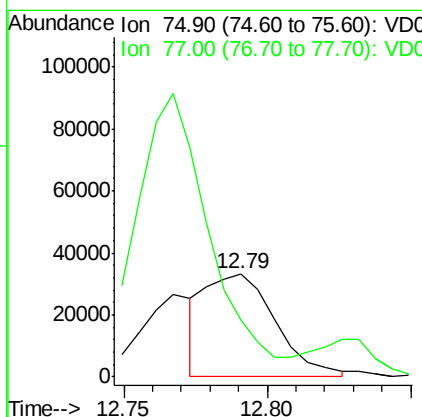
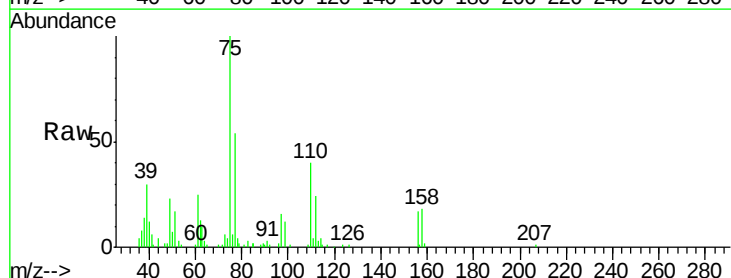
RT: 12.79 min Scan# 1848

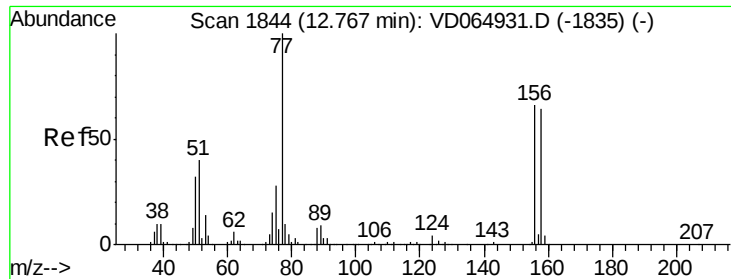
Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion:	75	Resp:	56557
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.347 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

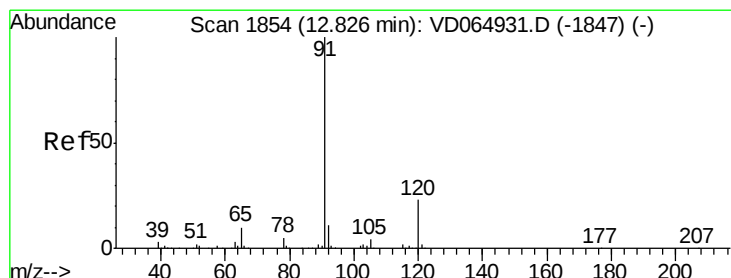
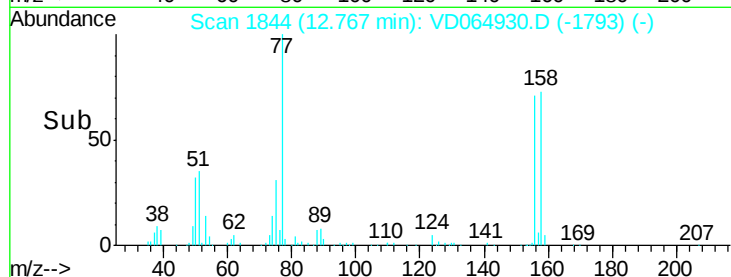
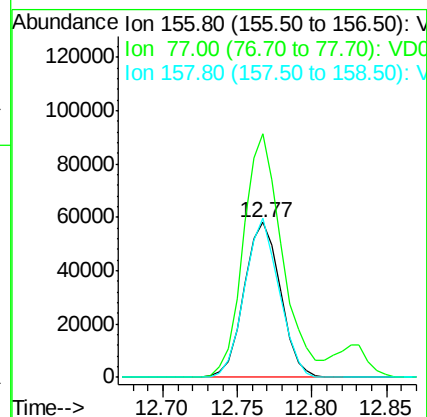
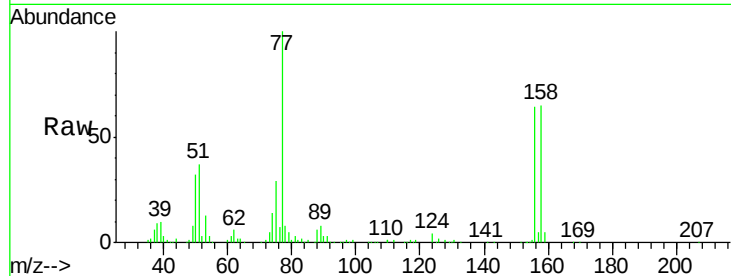
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.1	84.2	252.5
158	98.2	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.739 ug/l

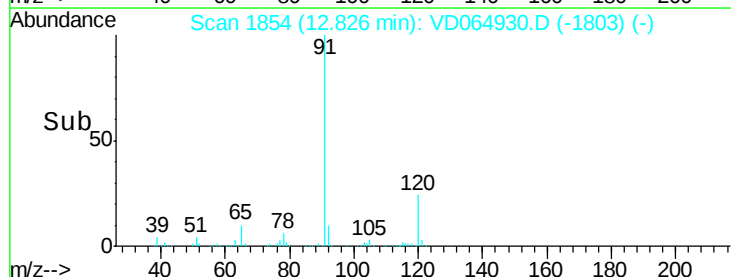
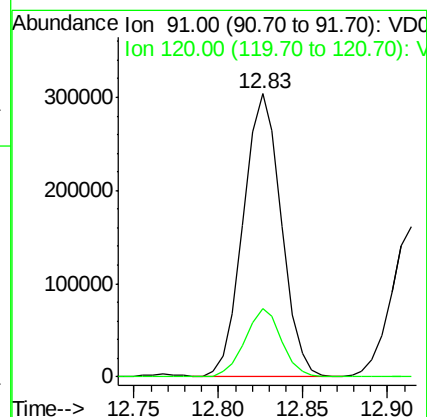
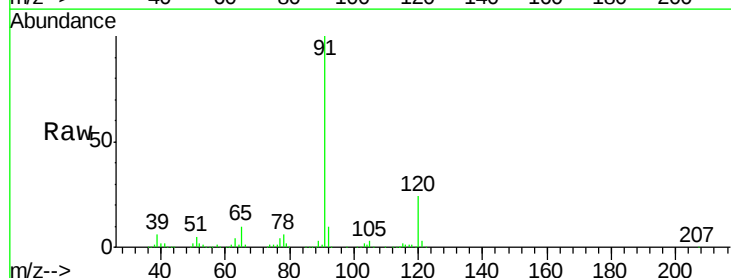
RT: 12.83 min Scan# 1854

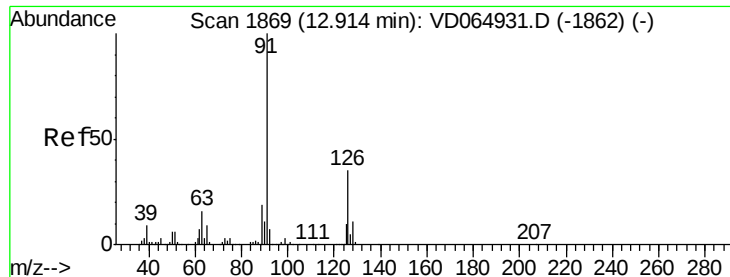
Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





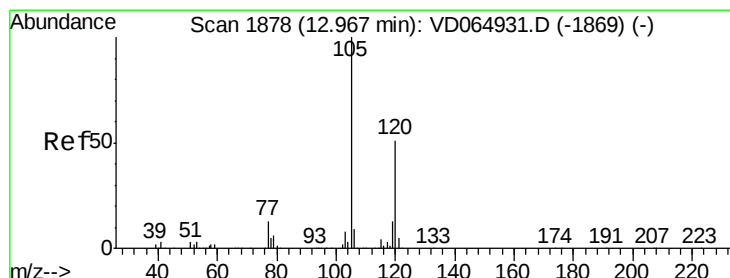
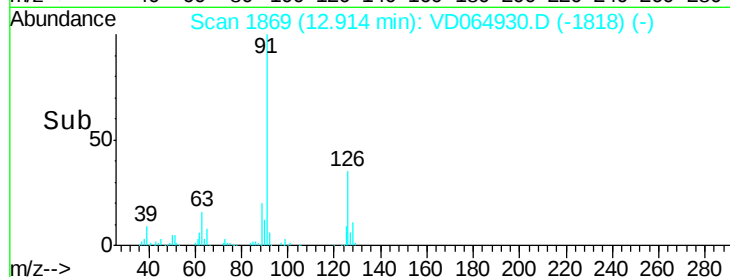
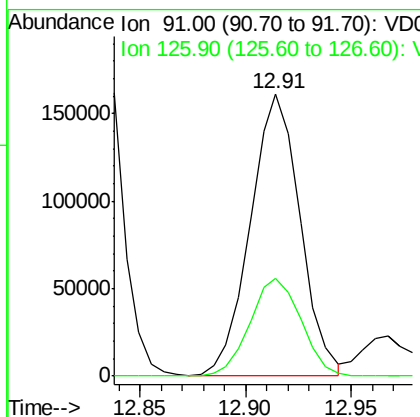
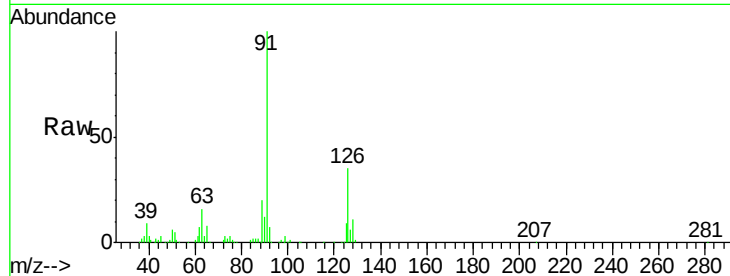
#79
2-Chlorotoluene
Concen: 19.913 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.9	53.8

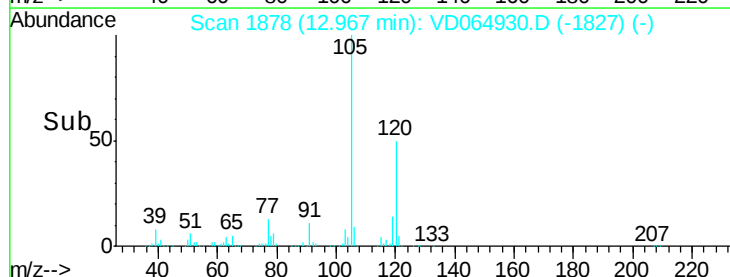
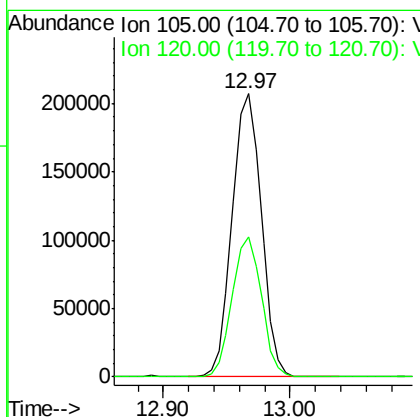
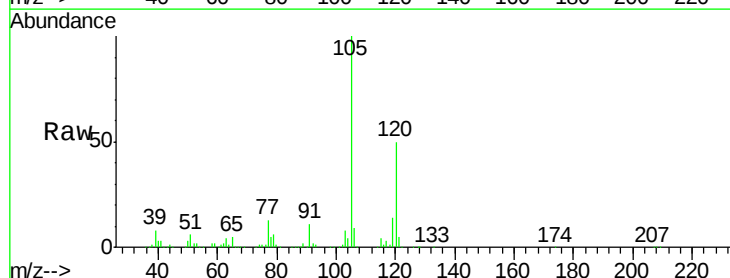
Manual Integrations
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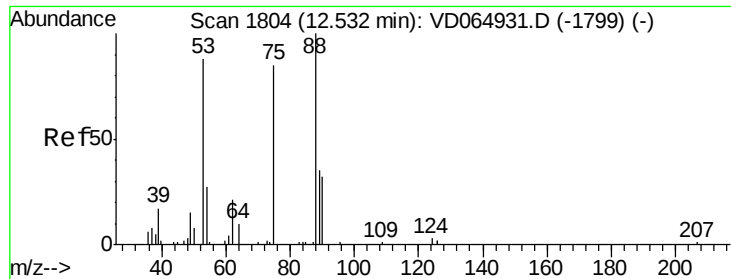
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.597 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.3	25.6	76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.335 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 22378

Ion Ratio Lower Upper

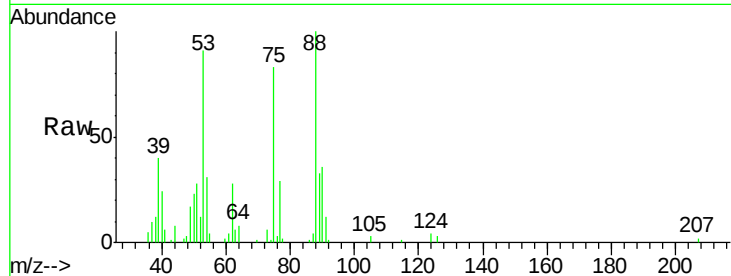
75 100

53 106.1 81.0 121.4

89 44.6 36.2 54.4

Manual Integrations
APPROVED

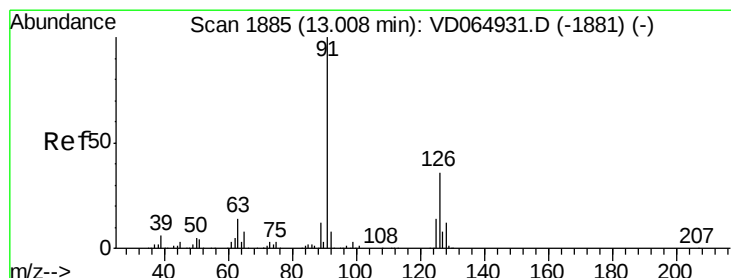
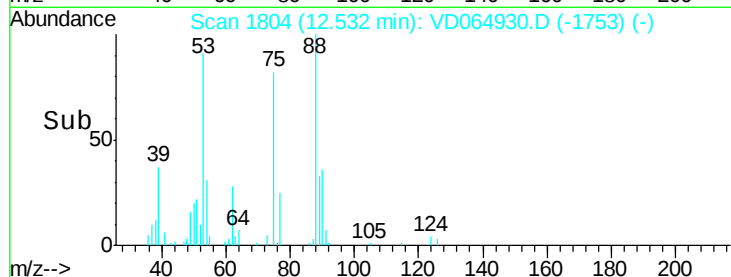
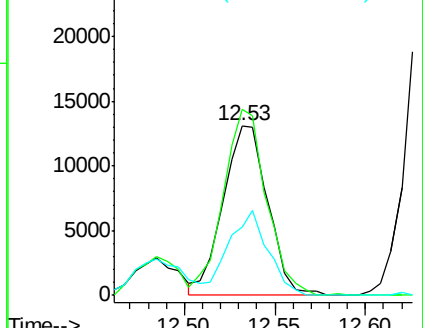
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.536 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064930.D

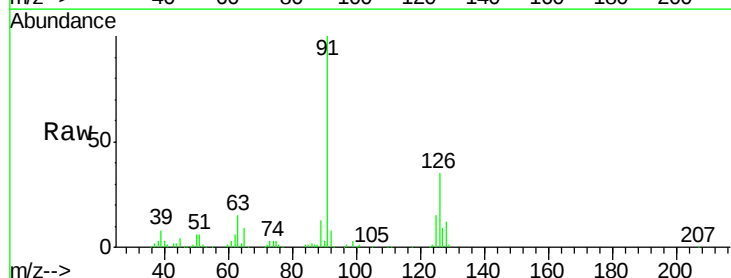
Acq: 23 Jan 2020 11:54

Tgt Ion: 91 Resp: 274756

Ion Ratio Lower Upper

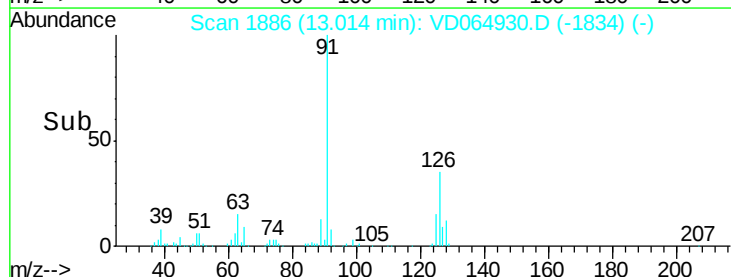
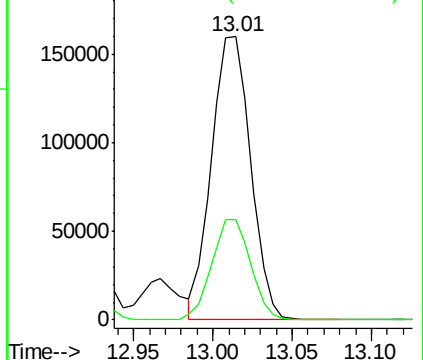
91 100

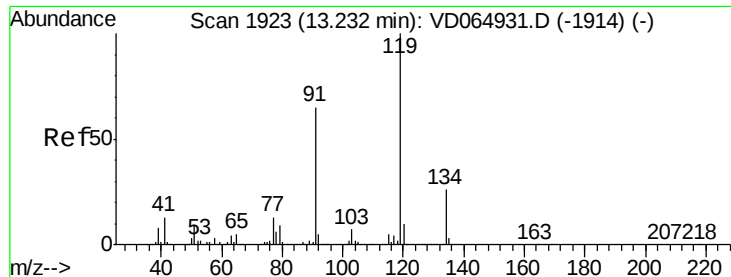
126 35.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





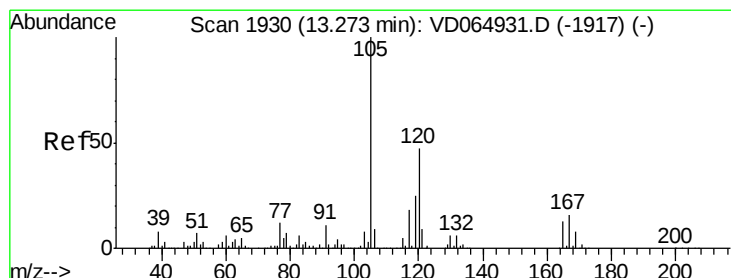
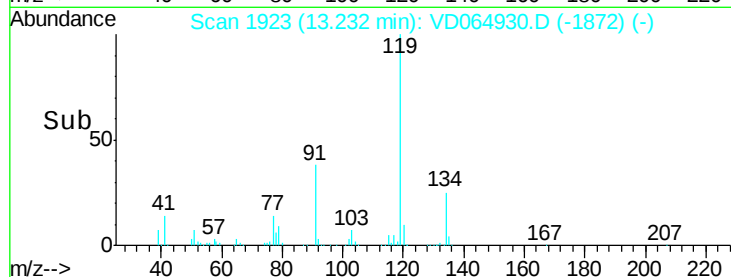
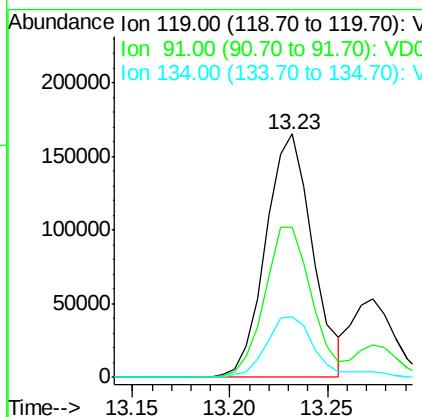
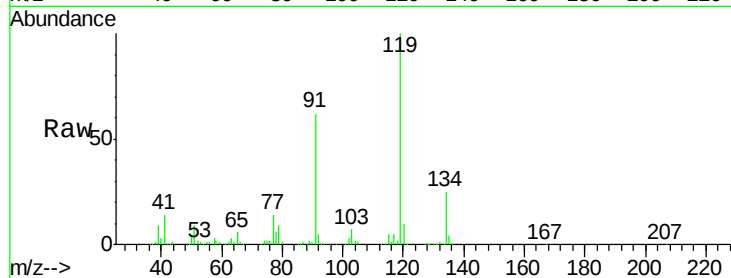
#83
tert-Butylbenzene
Concen: 18.801 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	32.0	96.0
134	26.9	13.9	41.6

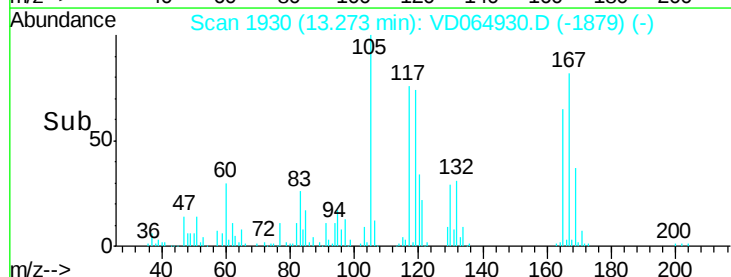
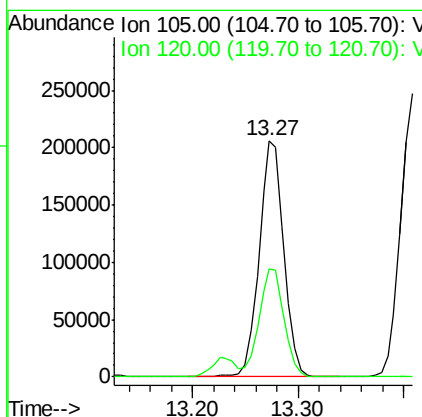
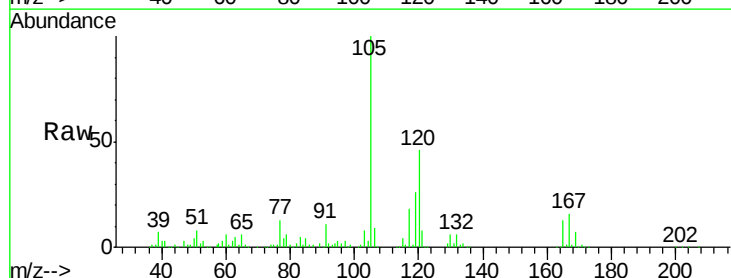
Manual Integrations
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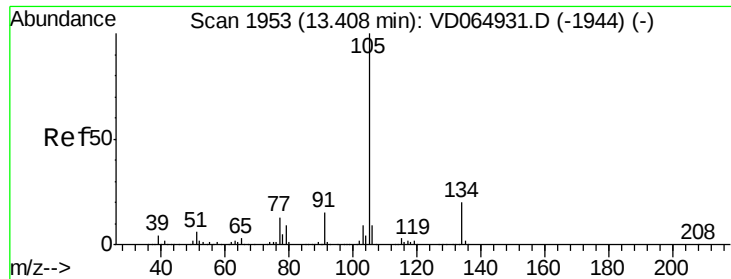
MMDadoda
1/24/2020 4:01:53 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.813 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 19.096 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 384167

Ion Ratio Lower Upper

105 100

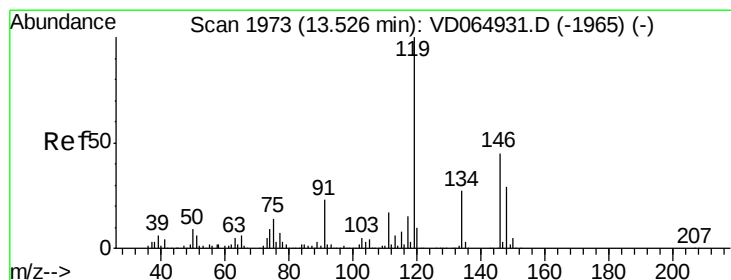
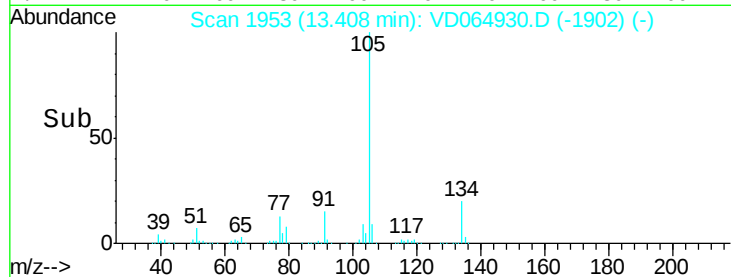
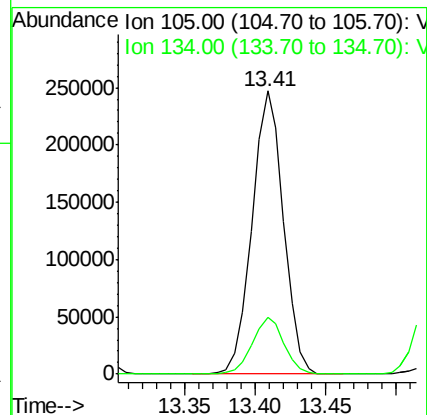
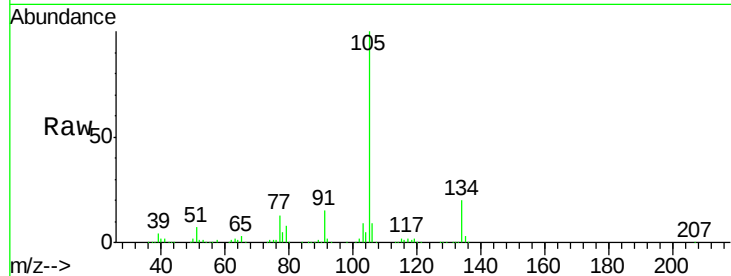
134 20.2 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.640 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

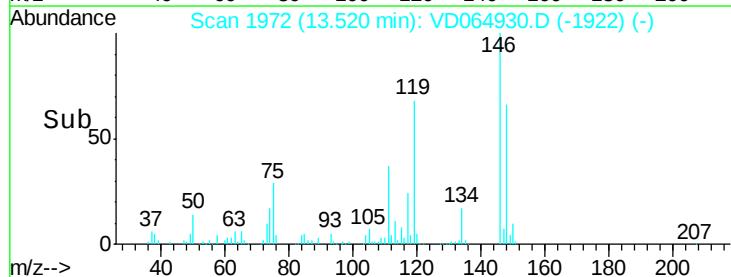
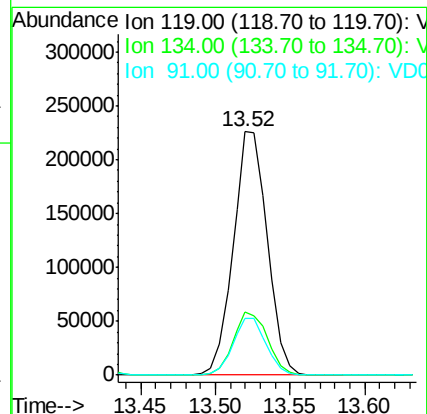
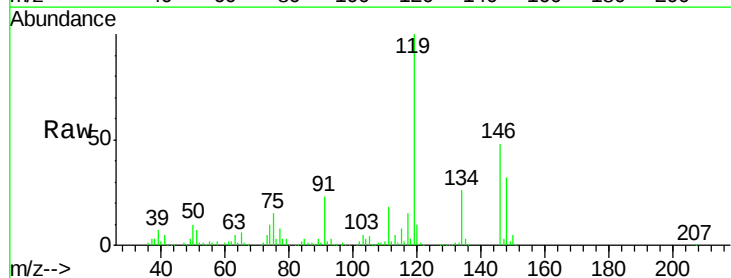
Tgt Ion:119 Resp: 358118

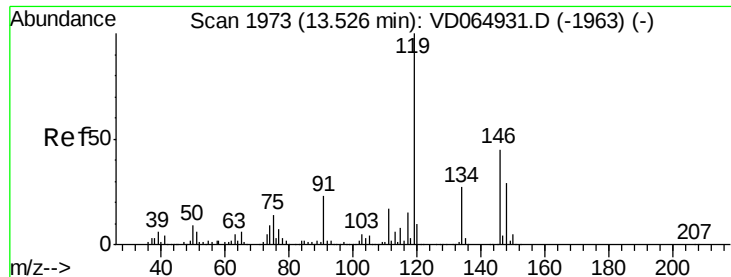
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.1 11.4 34.2





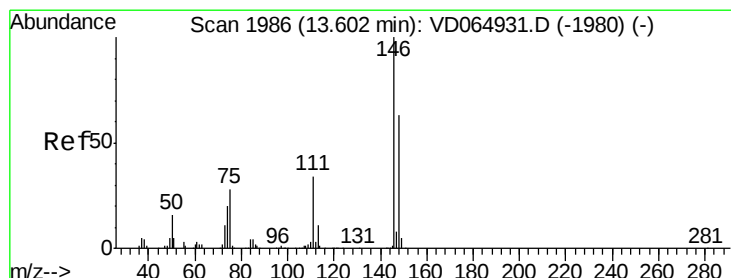
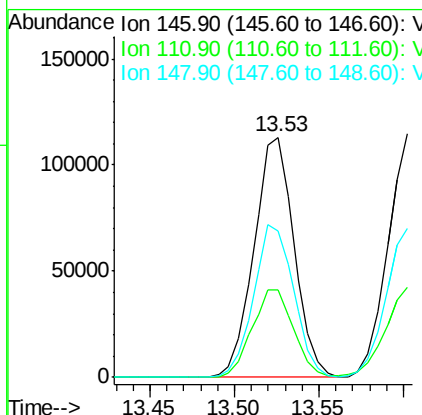
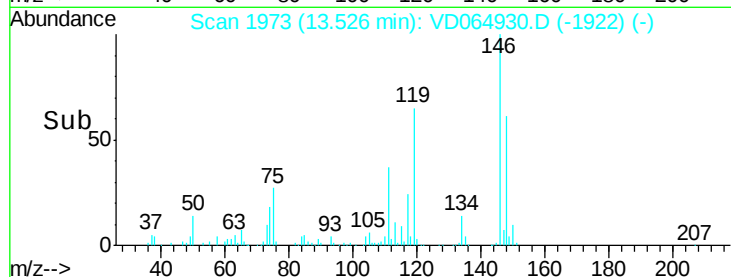
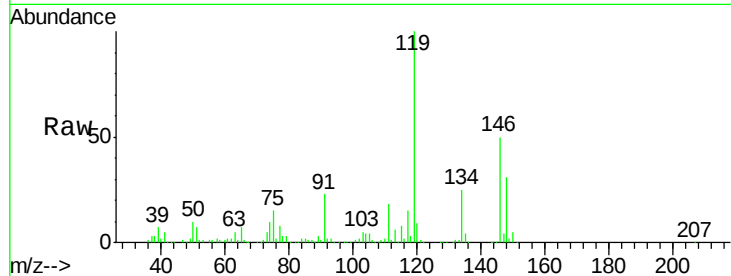
#87
 1,3-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.8	32.6	97.7

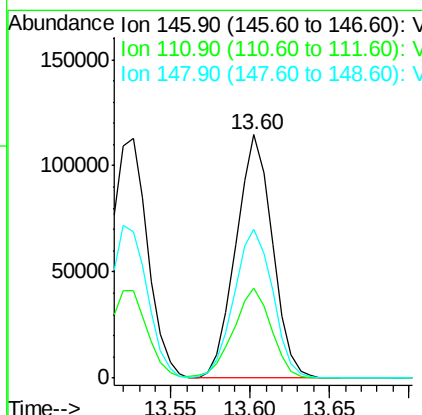
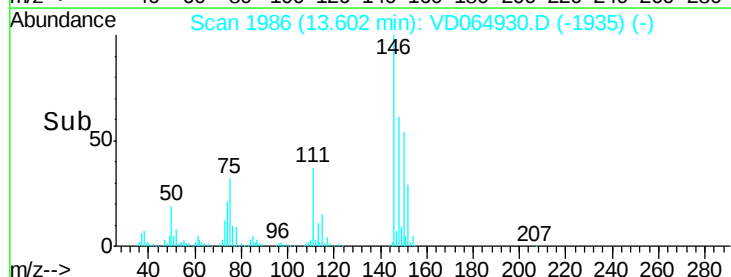
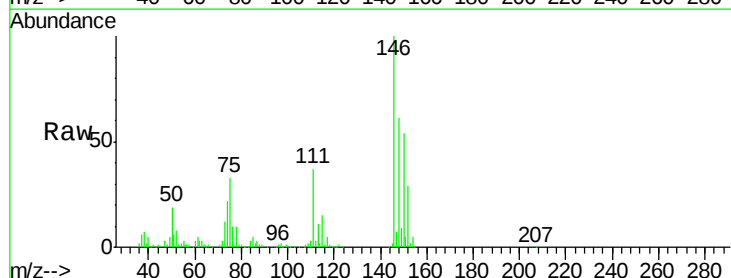
Manual Integrations
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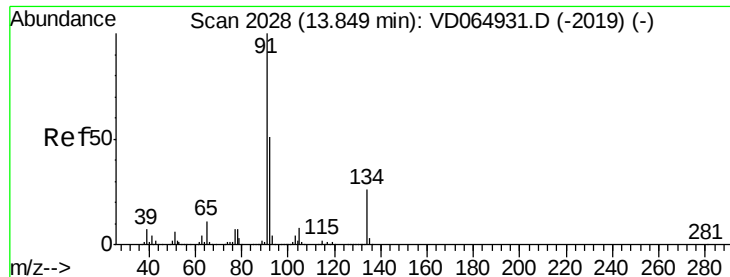
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#88
 1,4-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.2	54.6
148	64.7	32.0	96.0





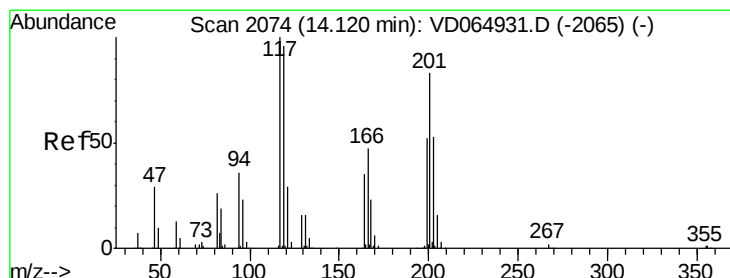
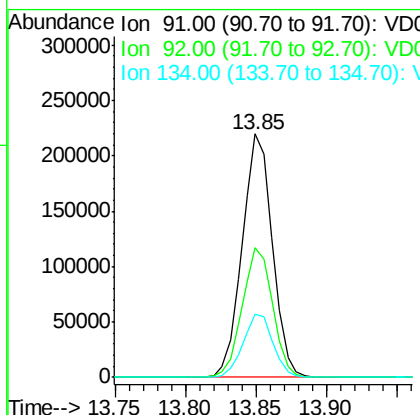
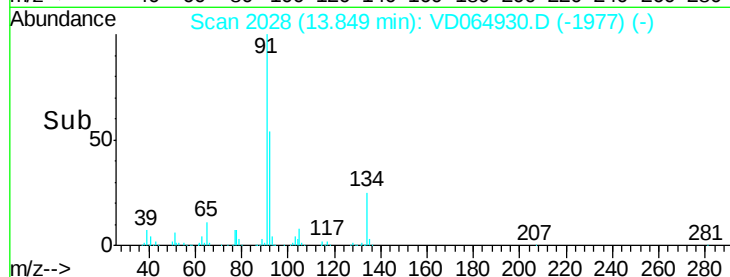
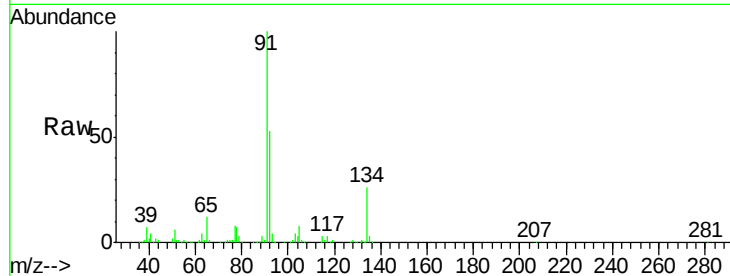
#89
n-Butylbenzene
Concen: 18.906 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	25.8	13.3	39.9

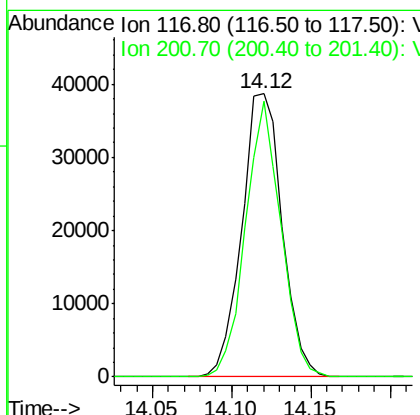
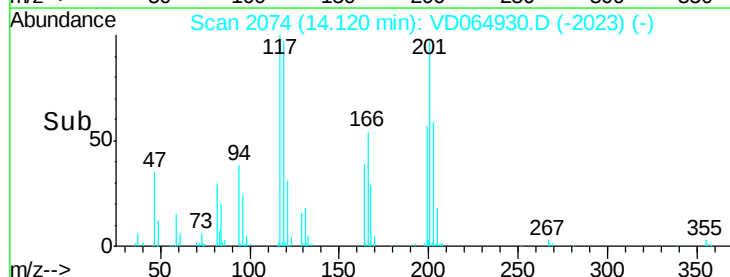
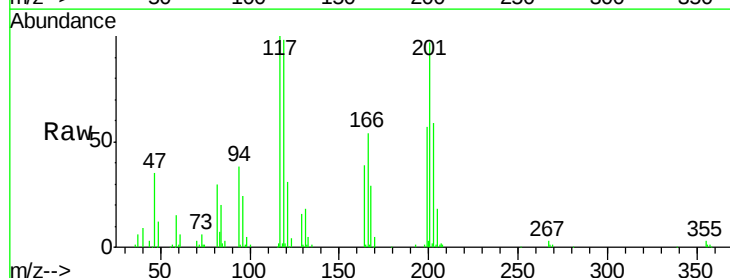
Manual Integrations
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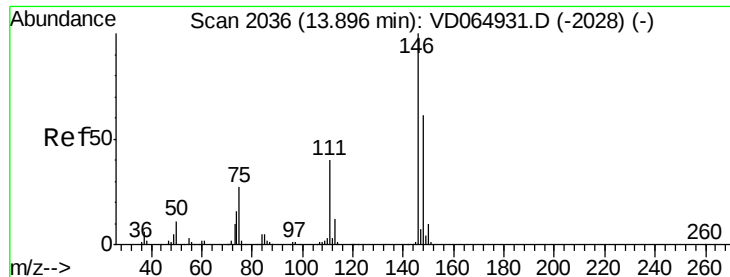
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#90
Hexachloroethane
Concen: 18.675 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 19.148 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

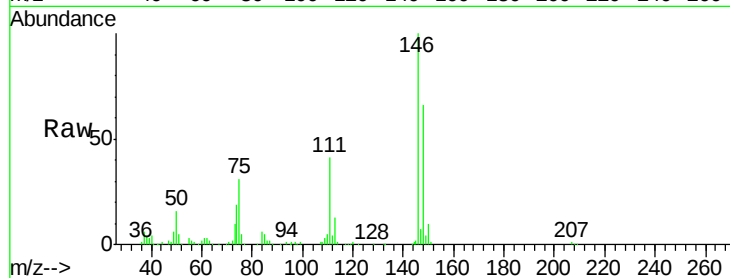
ClientSampleId :

VSTDIC020

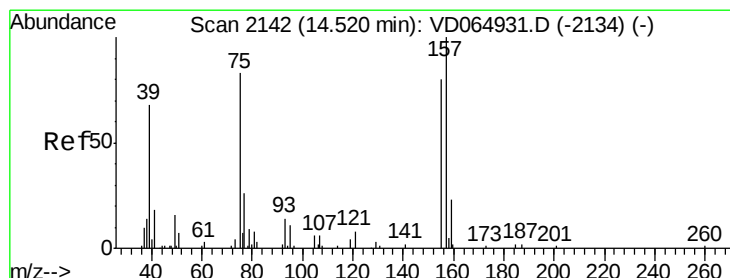
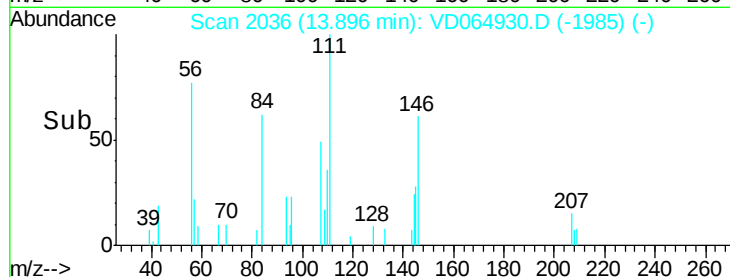
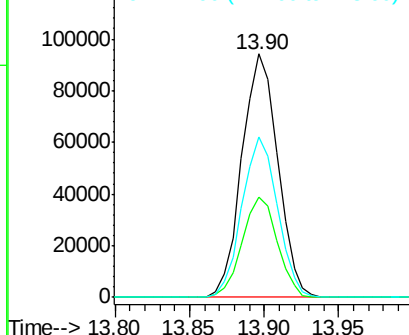
Tot Ion:	146	Resp:	157160
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.4	58.2
148	65.2	31.6	95.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.821 ug/l

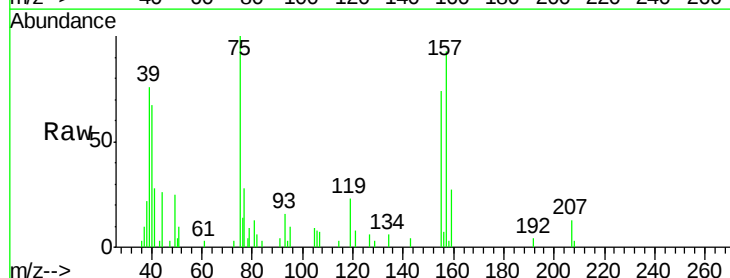
RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

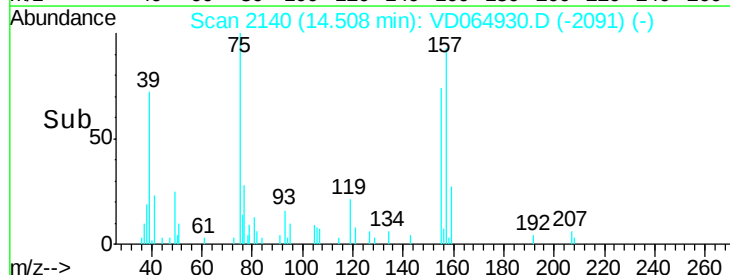
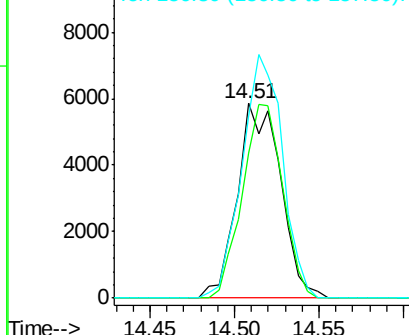
Lab File: VD064930.D

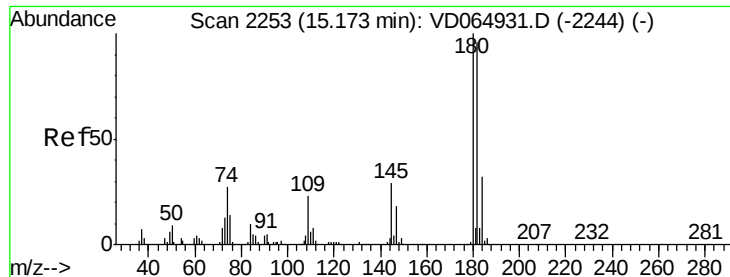
Acq: 23 Jan 2020 11:54

Tgt Ion:	75	Resp:	10444
Ion Ratio	Lower	Upper	
75	100		
155	92.5	44.9	134.7
157	117.1	58.9	176.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





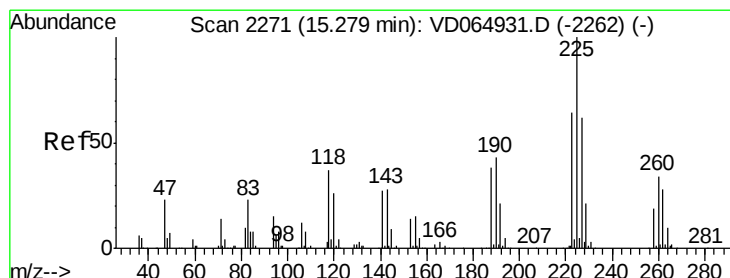
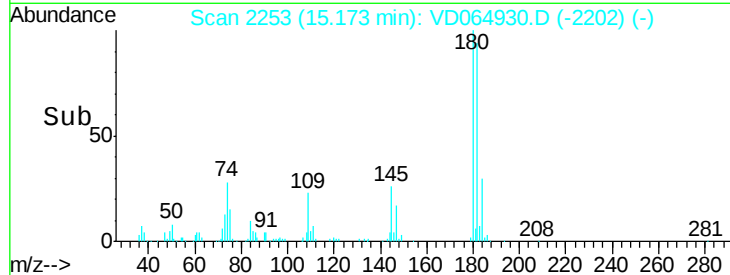
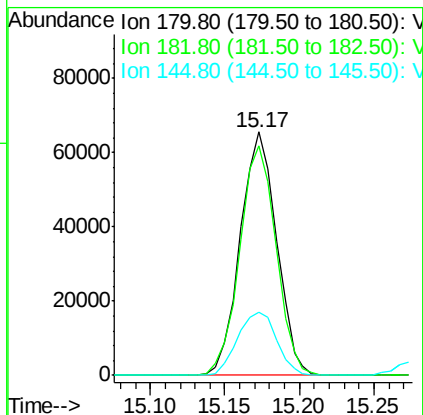
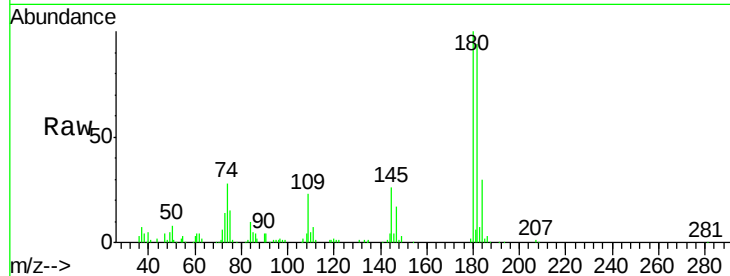
#93
 1,2,4-Trichlorobenzene
 Concen: 18.527 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110724		
182	94.3	47.1	141.4	
145	28.2	14.1	42.3	

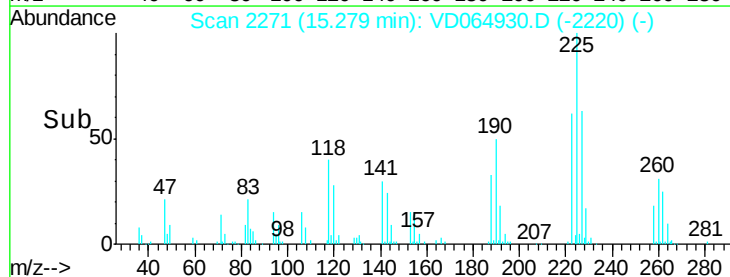
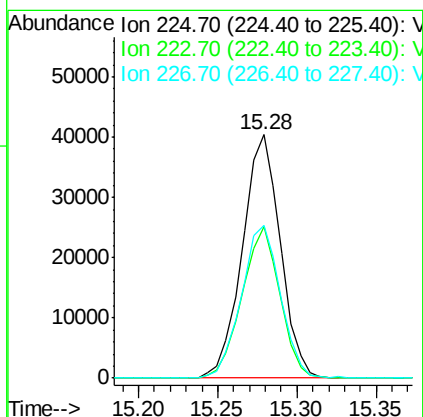
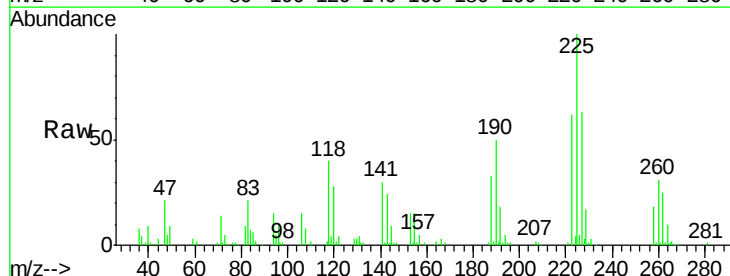
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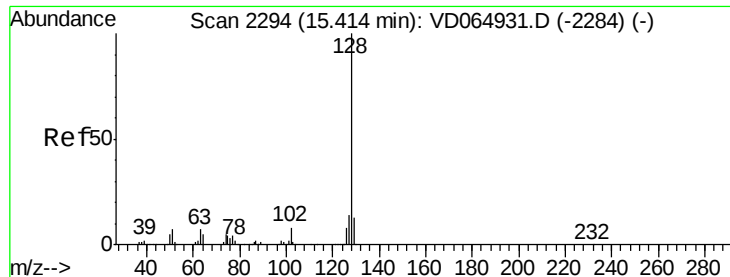
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#94
 Hexachlorobutadiene
 Concen: 17.835 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66997		
223	62.0	32.4	97.2	
227	64.8	31.9	95.9	





#95

Naphthalene

Concen: 18.569 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

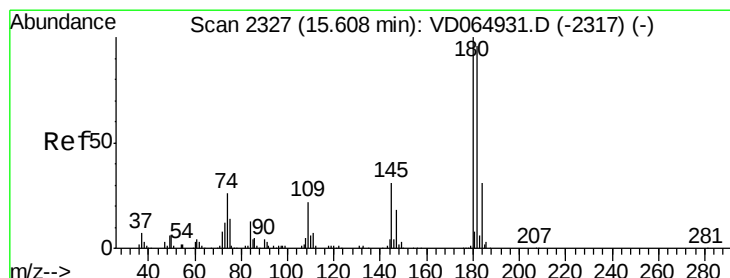
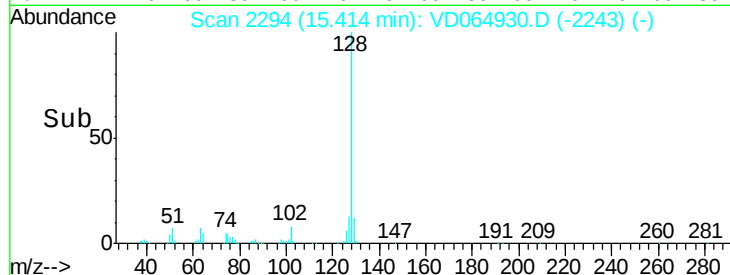
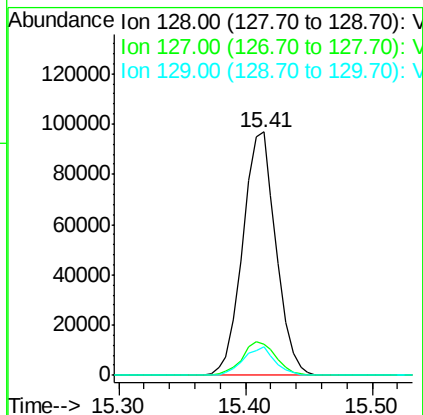
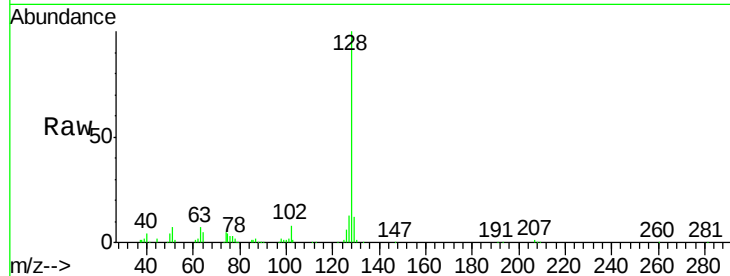
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	176083
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	15.8
129	11.0	9.3	13.9

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.033 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion:	180	Resp:	92323
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.3	141.8
145	31.3	14.6	43.8

