

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064928.D
 Acq On : 23 Jan 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:41 PM

Quant Time: Jan 23 13:37:55 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	7.98	168	429345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	23452	6.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.18%	
35) Dibromofluoromethane	7.92	113	22294	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	10.34	98	81420	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
62) 4-Bromofluorobenzene	12.64	95	24782	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	14979	4.511	ug/l 88
3) Chloromethane	2.21	50	24083	5.169	ug/l 93
4) Vinyl Chloride	2.35	62	27101	4.796	ug/l 96
5) Bromomethane	2.77	94	19999	4.933	ug/l 84
6) Chloroethane	2.93	64	18277	4.875	ug/l 93
7) Trichlorofluoromethane	3.27	101	42223	4.512	ug/l 95
8) Diethyl Ether	3.71	74	9682	5.106	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20671	5.250	ug/l 97
10) Methyl Iodide	4.30	142	17290	4.102	ug/l 99
11) Tert butyl alcohol	5.23	59	5354m	24.505	ug/l
12) 1,1-Dichloroethene	4.06	96	19186	5.121	ug/l 90
13) Acrolein	3.93	56	7962	26.912	ug/l 95
14) Allyl chloride	4.71	41	28784	4.894	ug/l 99
15) Acrylonitrile	5.43	53	19592	24.769	ug/l 98
16) Acetone	4.16	43	24532	30.985	ug/l 91
17) Carbon Disulfide	4.40	76	61811	5.070	ug/l 97
18) Methyl Acetate	4.72	43	10112	4.839	ug/l 93
19) Methyl tert-butyl Ether	5.49	73	38681	4.635	ug/l 99
20) Methylene Chloride	4.96	84	32557	7.237	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	21251	4.954	ug/l 94
22) Diisopropyl ether	6.37	45	54027	4.608	ug/l 93
23) Vinyl Acetate	6.31	43	146811	22.009	ug/l 97
24) 1,1-Dichloroethane	6.27	63	35881	5.090	ug/l 94
25) 2-Butanone	7.23	43	26893	25.581	ug/l 90
26) 2,2-Dichloropropane	7.21	77	33025	5.058	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	22861	4.967	ug/l 98
28) Bromochloromethane	7.55	49	15515	5.574	ug/l 95
29) Tetrahydrofuran	7.57	42	15490	23.872	ug/l 97
30) Chloroform	7.71	83	38128	5.165	ug/l 93
31) Cyclohexane	7.99	56	40336	5.715	ug/l # 85
32) 1,1,1-Trichloroethane	7.90	97	35689	5.150	ug/l 97
36) 1,1-Dichloropropene	8.11	75	29601	4.726	ug/l 98
37) Ethyl Acetate	7.30	43	11620	4.756	ug/l # 89
38) Carbon Tetrachloride	8.10	117	31589	4.744	ug/l 88

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 1/24/2020 4:01:41 PM

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 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)

39) Methylcyclohexane	9.36	83	32051	4.247	ug/l	93
40) Benzene	8.36	78	80069	4.679	ug/l	100
41) Methacrylonitrile	7.53	41	6712	4.688	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	25162	5.068	ug/l	93
43) Isopropyl Acetate	8.46	43	22406	4.602	ug/l	98
44) Trichloroethene	9.12	130	22387	4.499	ug/l	97
45) 1,2-Dichloropropane	9.40	63	20462	5.017	ug/l	98
46) Dibromomethane	9.48	93	11332	5.023	ug/l	91
47) Bromodichloromethane	9.67	83	27015	4.493	ug/l	97
48) Methyl methacrylate	9.46	41	10113	4.439	ug/l	98
49) 1,4-Dioxane	9.48	88	2502	94.681	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	51154	21.109	ug/l	95
52) Toluene	10.41	92	50396	4.507	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	25191	4.468	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	29446	4.442	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	15179	4.961	ug/l	98
56) Ethyl methacrylate	10.67	69	14230	3.733	ug/l	92
57) 1,3-Dichloropropane	10.95	76	23748	4.505	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	39774	28.163	ug/l	99
59) 2-Hexanone	10.99	43	33667	20.420	ug/l	97
60) Dibromochloromethane	11.14	129	18962	4.512	ug/l	95
61) 1,2-Dibromoethane	11.26	107	13577	4.525	ug/l	99
64) Tetrachloroethene	10.88	164	19394	4.497	ug/l	95
65) Chlorobenzene	11.67	112	57098	4.912	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	20615	4.682	ug/l	100
67) Ethyl Benzene	11.75	91	89425	4.217	ug/l	95
68) m/p-Xylenes	11.86	106	67721	8.294	ug/l	98
69) o-Xylene	12.18	106	30835	4.189	ug/l	93
70) Styrene	12.20	104	51524	3.965	ug/l	98
71) Bromoform	12.36	173	11279	4.519	ug/l #	96
73) Isopropylbenzene	12.48	105	79760	4.165	ug/l	99
74) N-amyl acetate	12.29	43	17753	4.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	15185	5.015	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	10200m	4.590	ug/l	
77) Bromobenzene	12.77	156	21379	4.556	ug/l	97
78) n-propylbenzene	12.83	91	97727	4.360	ug/l	99
79) 2-Chlorotoluene	12.91	91	54033	4.390	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	64402	4.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4688	4.583	ug/l	95
82) 4-Chlorotoluene	13.01	91	59845	4.578	ug/l	98
83) tert-Butylbenzene	13.23	119	54916	4.037	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	63799	4.068	ug/l	97
85) sec-Butylbenzene	13.41	105	82497	4.412	ug/l	98
86) p-Isopropyltoluene	13.53	119	71121	3.983	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	39899	4.460	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	42642	4.858	ug/l	93
89) n-Butylbenzene	13.86	91	68016	4.210	ug/l	99
90) Hexachloroethane	14.12	117	16266	4.769	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	35163	4.609	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2426	4.953	ug/l	94

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

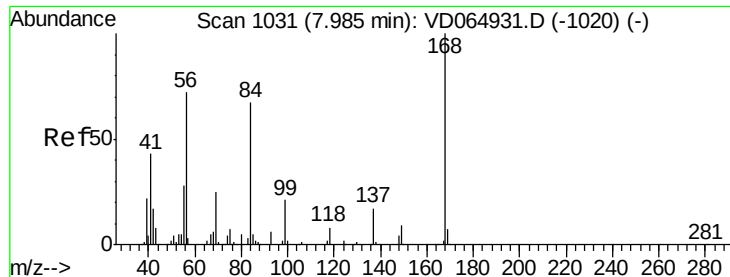
Manual Integrations
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1/24/2020 4:01:41 PM

Quant Time: Jan 23 13:37:55 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	23593	4.247	ug/l	94
94) Hexachlorobutadiene	15.28	225	16431	4.706	ug/l	97
95) Naphthalene	15.42	128	34176	3.877	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.61	180	20822	4.375	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 429345

Ion Ratio Lower Upper

168 100

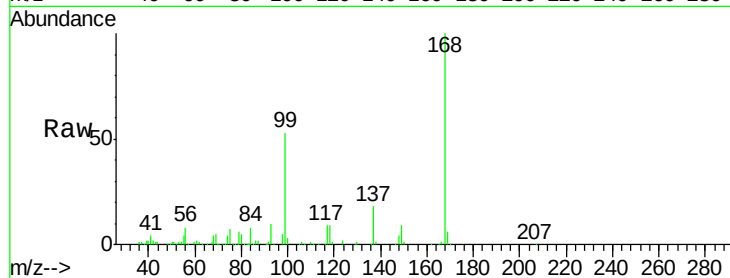
99 52.7 43.3 64.9

Manual Integrations

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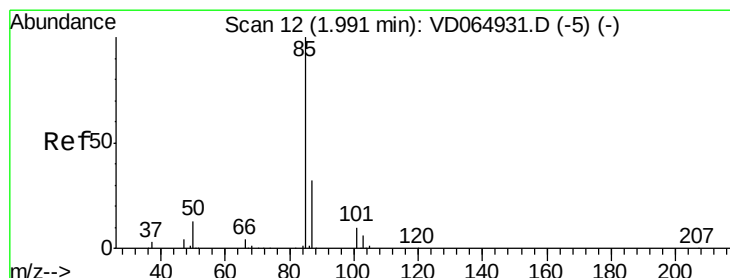
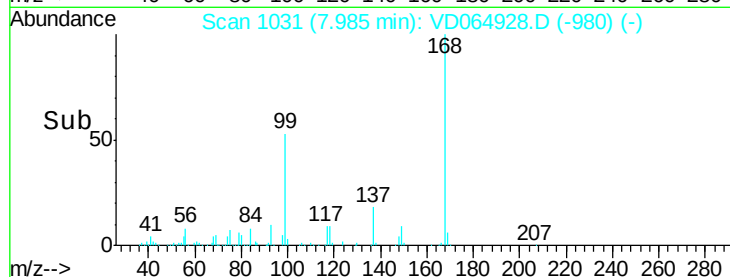
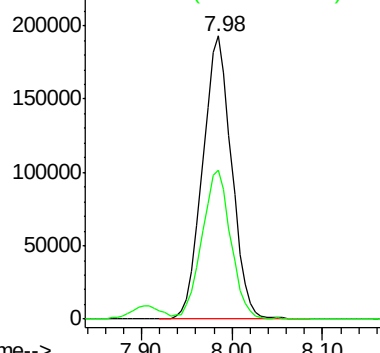
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.511 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064928.D

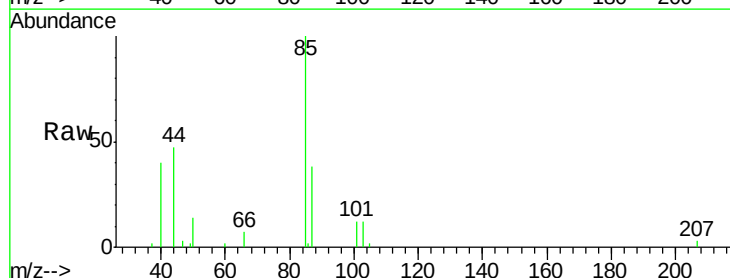
Acq: 23 Jan 2020 10:58

Tgt Ion: 85 Resp: 14979

Ion Ratio Lower Upper

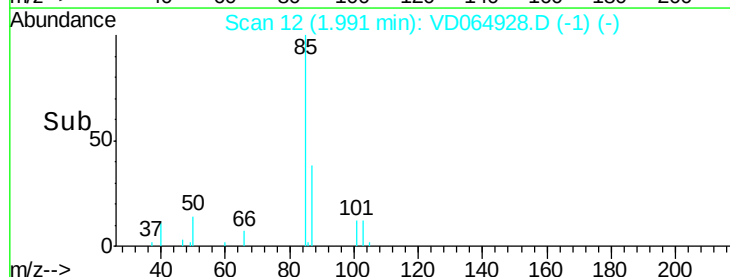
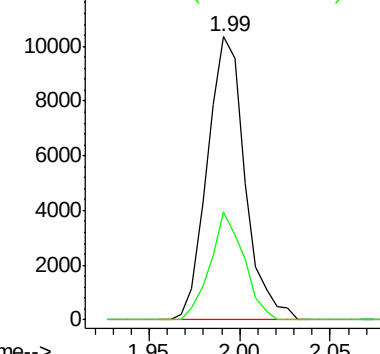
85 100

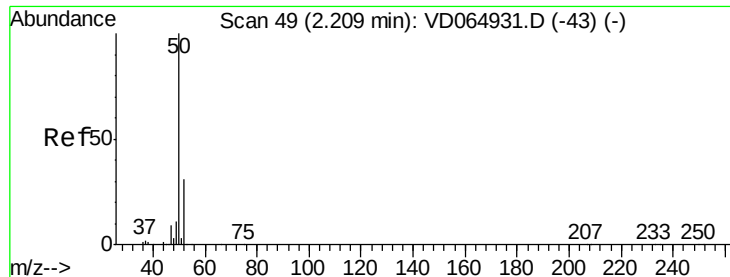
87 38.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.169 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24083

Ion Ratio Lower Upper

50 100

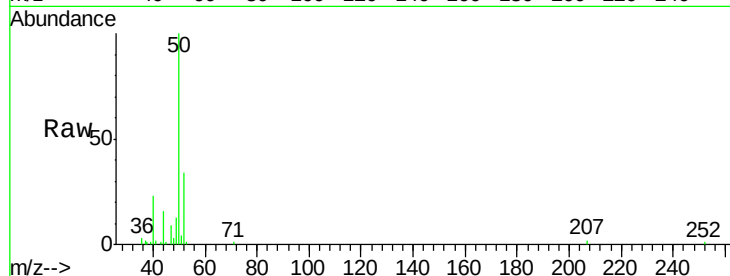
52 34.5 24.6 36.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

20000

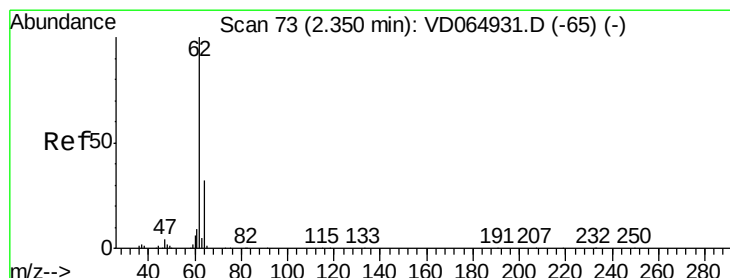
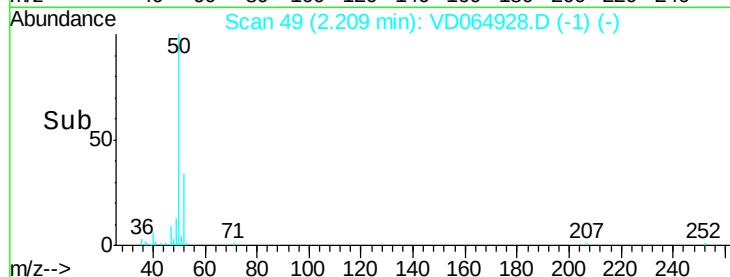
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 4.796 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064928.D

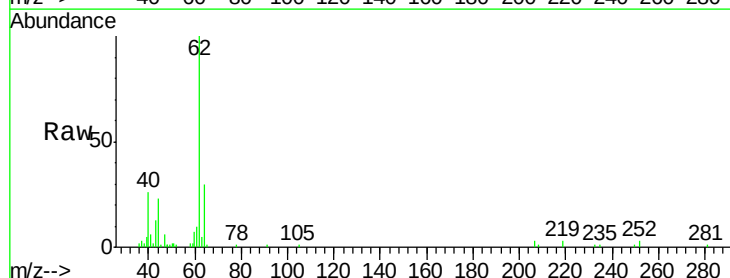
Acq: 23 Jan 2020 10:58

Tgt Ion: 62 Resp: 27101

Ion Ratio Lower Upper

62 100

64 30.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

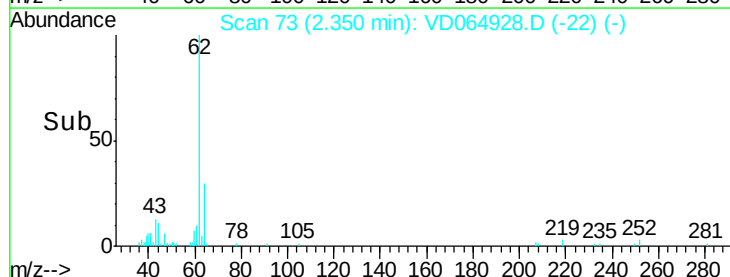
15000

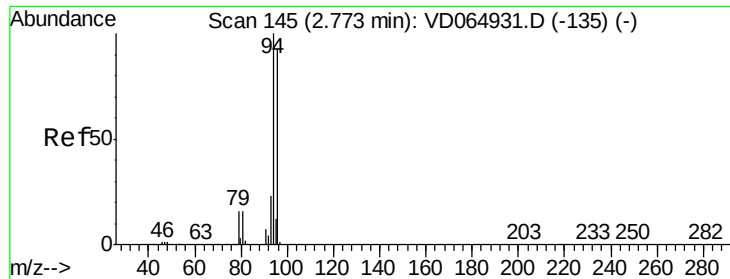
10000

5000

0

Time-->





#5

Bromomethane

Concen: 4.933 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19999

Ion Ratio Lower Upper

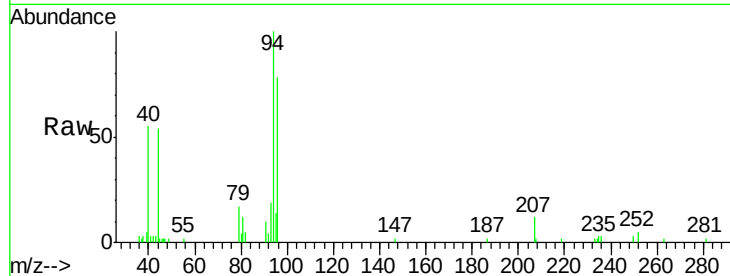
94 100

96 77.7 74.6 111.8

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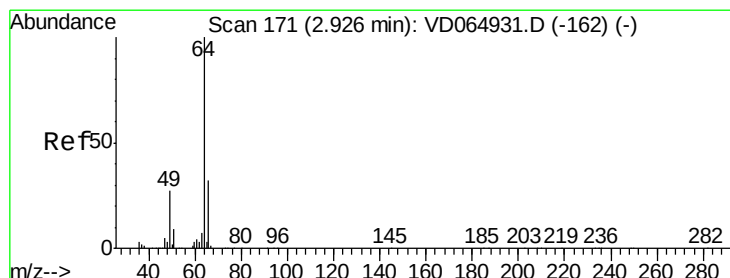
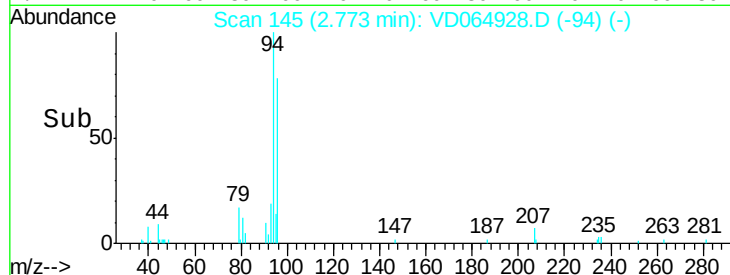
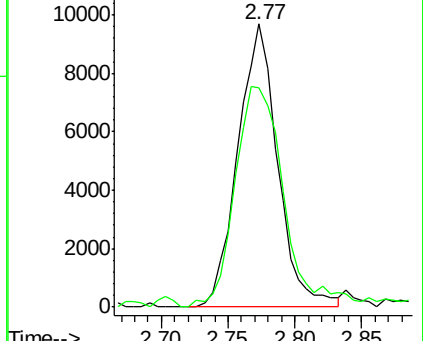
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.875 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064928.D

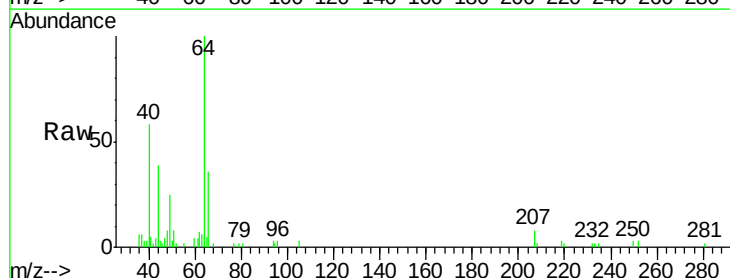
Acq: 23 Jan 2020 10:58

Tgt Ion: 64 Resp: 18277

Ion Ratio Lower Upper

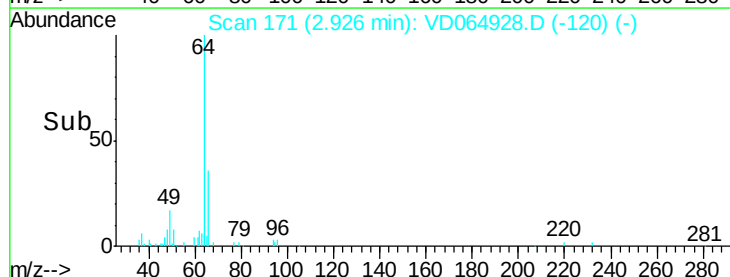
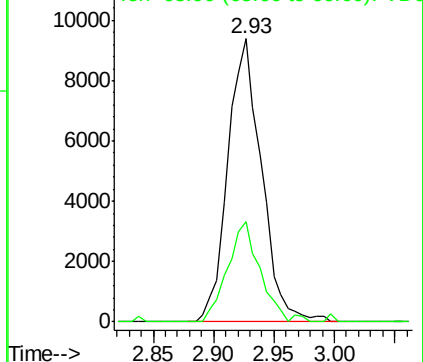
64 100

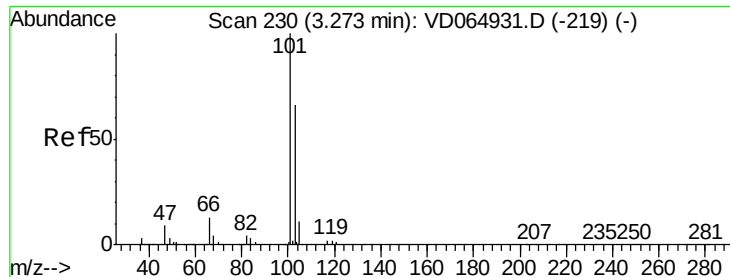
66 35.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

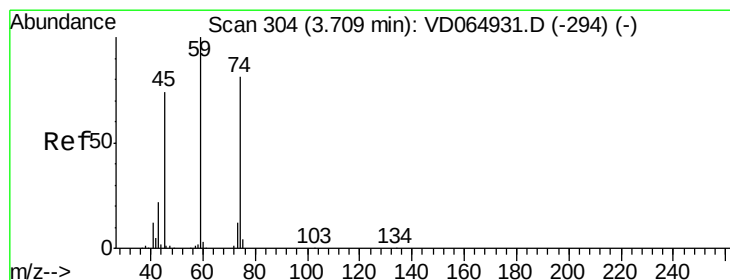
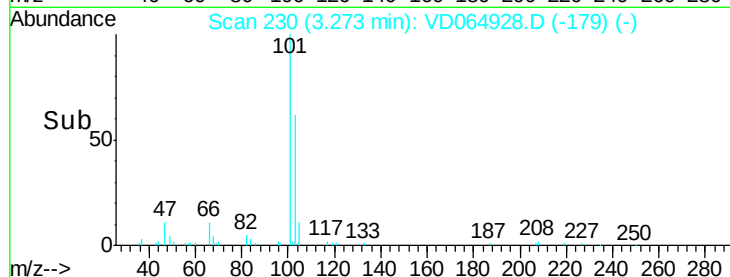
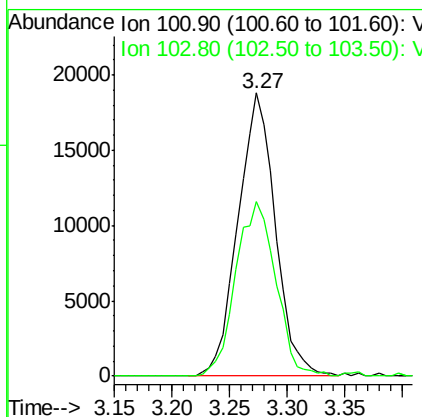
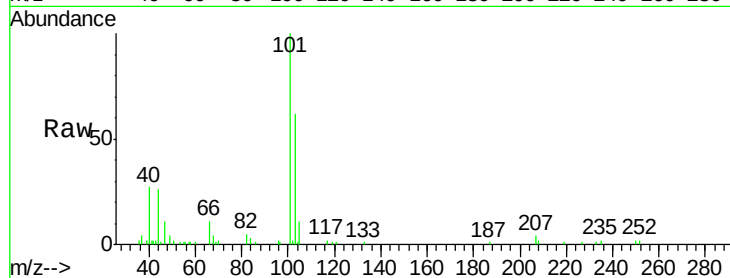
Trichlorofluoromethane
Concen: 4.512 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.5	78.7

Manual Integrations
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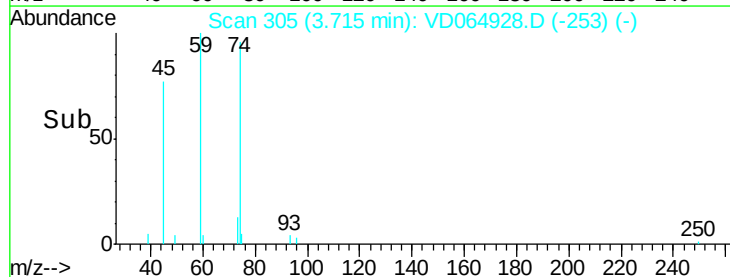
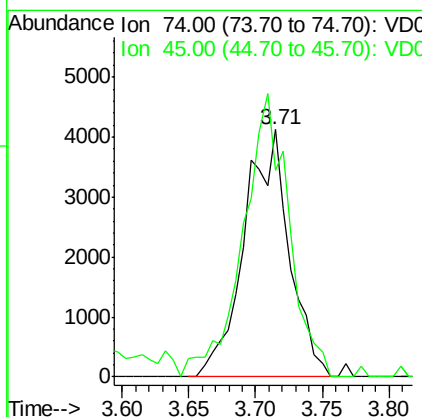
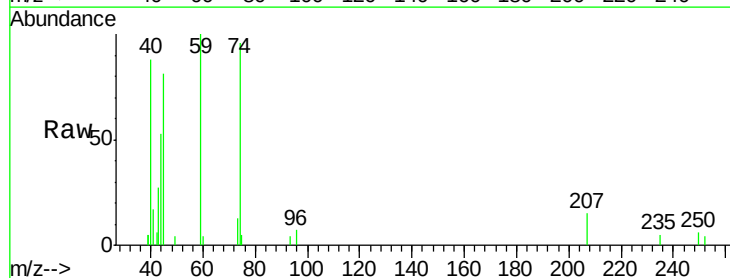
MMDadoda
1/24/2020 4:01:41 PM

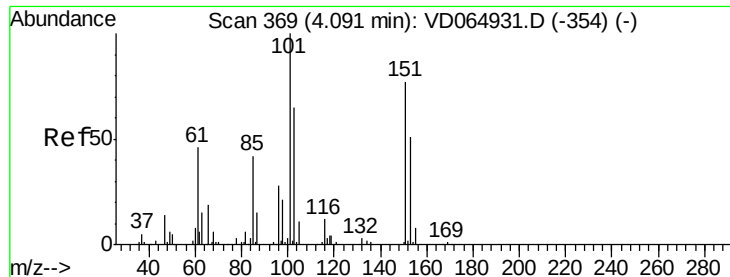


#8

Diethyl Ether
Concen: 5.106 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.250 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

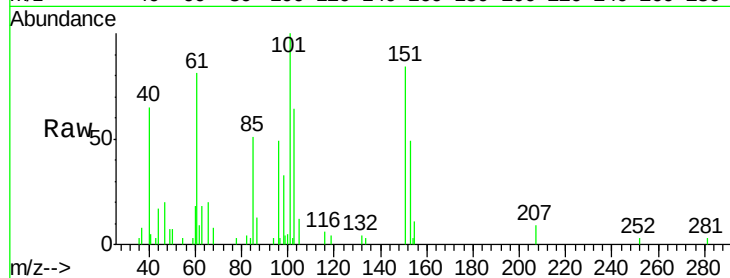
ClientSampleId :

VSTDIC005

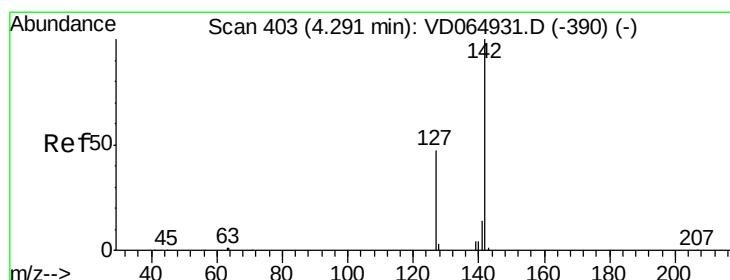
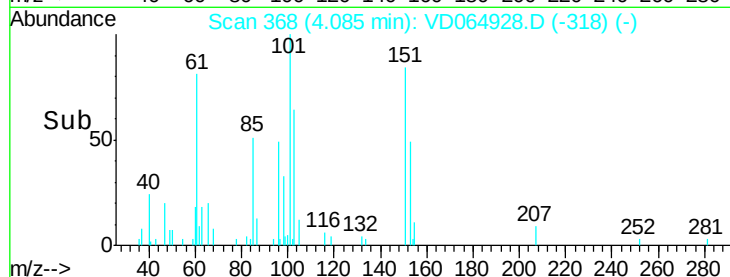
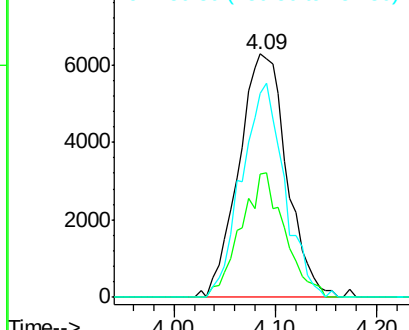
Tot Ion:	101	Resp:	20671
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.0	52.4
151	78.6	64.6	96.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.102 ug/l

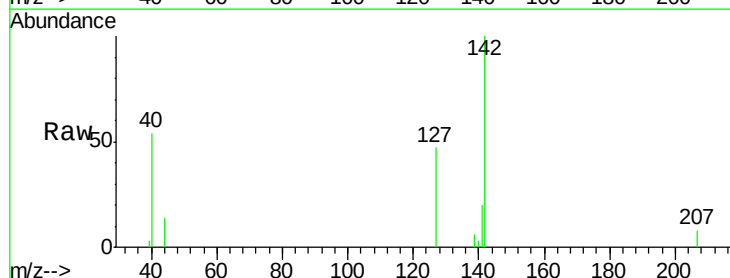
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

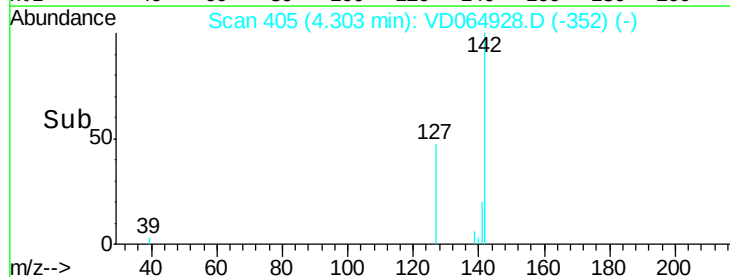
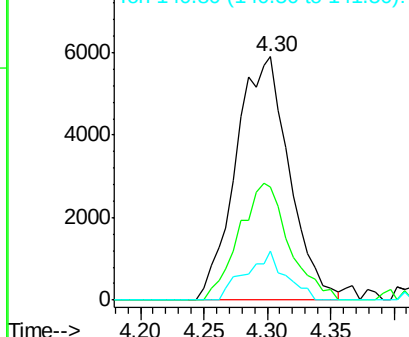
Lab File: VD064928.D

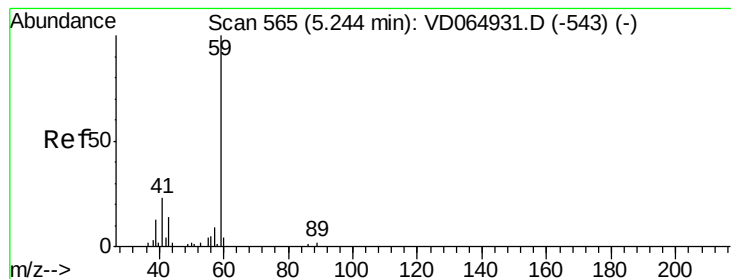
Acq: 23 Jan 2020 10:58

Tgt Ion:	142	Resp:	17290
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.2	54.2
141	15.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 24.505 ug/l m

RT: 5.23 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 5354

Ion Ratio Lower Upper

59 100

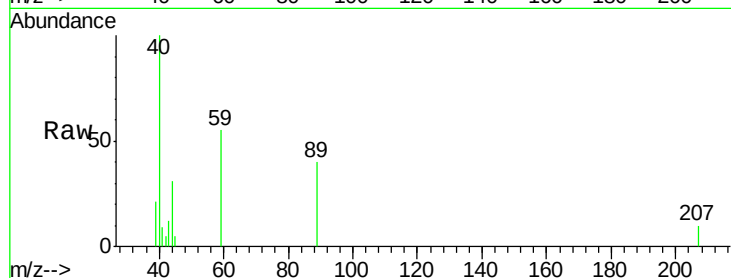
57 0.0 7.7 11.5#

Manual Integrations

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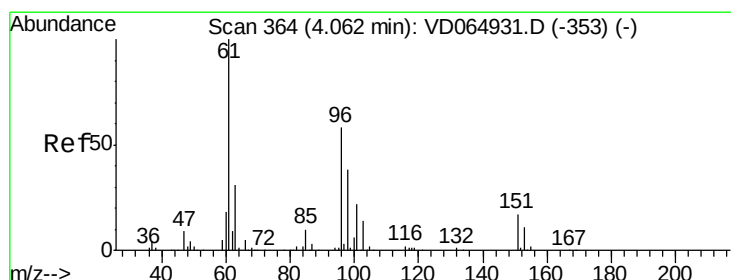
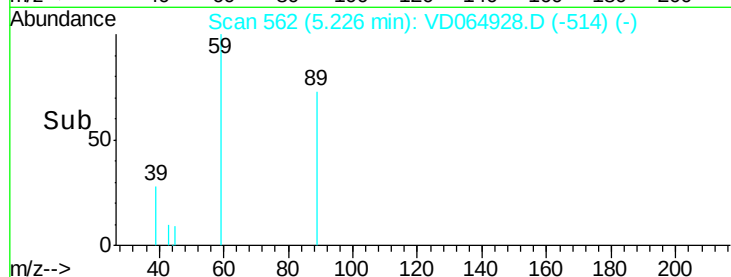
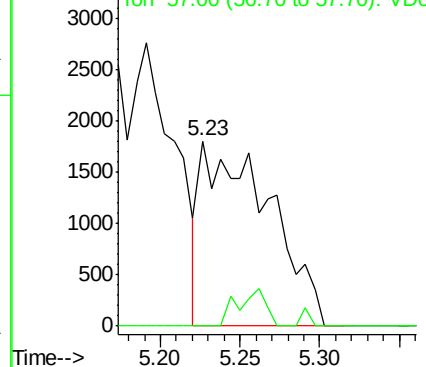
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 5.121 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

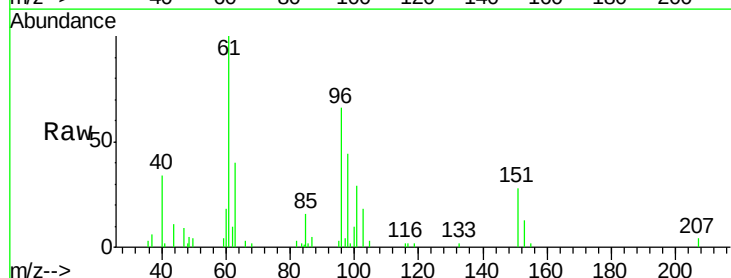
Tgt Ion: 96 Resp: 19186

Ion Ratio Lower Upper

96 100

61 152.1 137.0 205.4

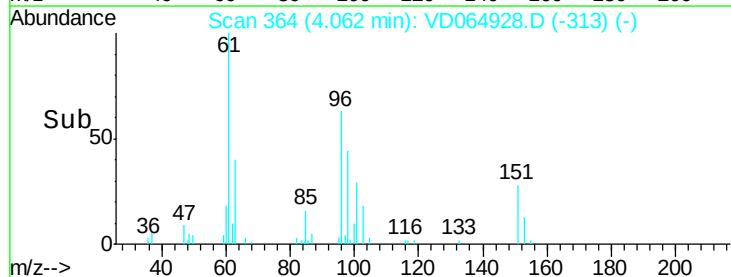
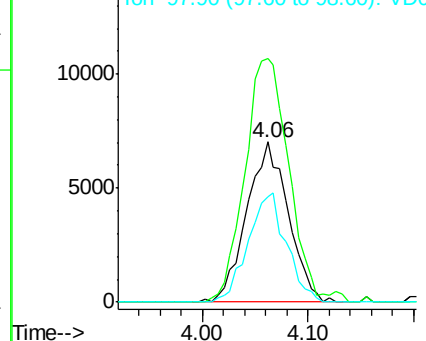
98 66.2 52.1 78.1

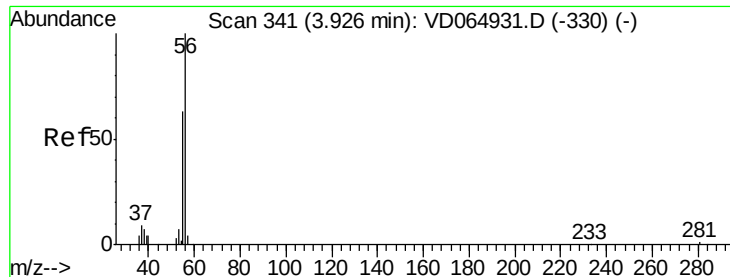


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 26.912 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7962

Ion Ratio Lower Upper

56 100

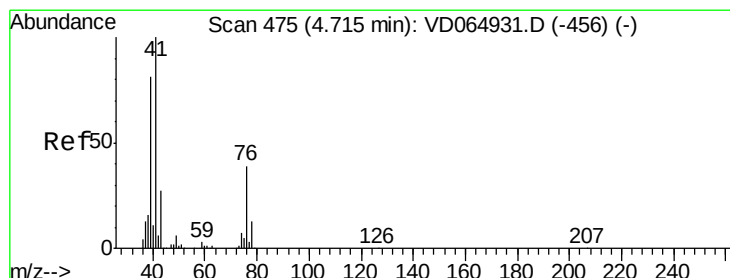
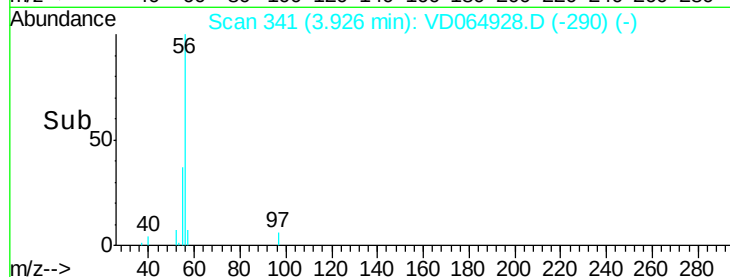
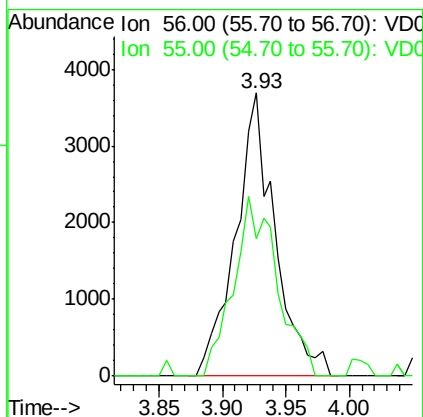
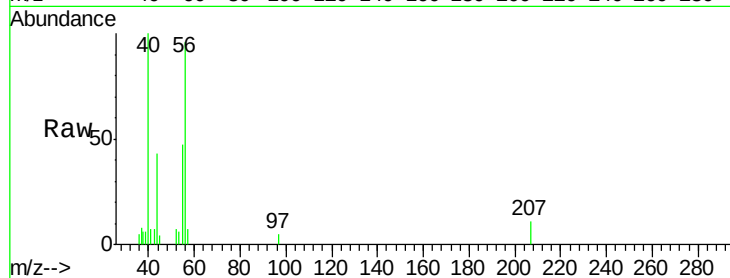
55 70.6 59.7 89.5

Manual Integrations

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#14

Allyl chloride

Concen: 4.894 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

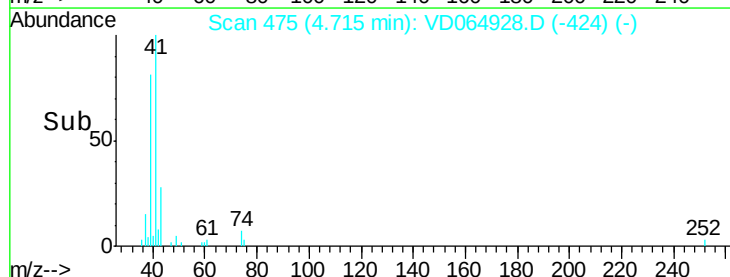
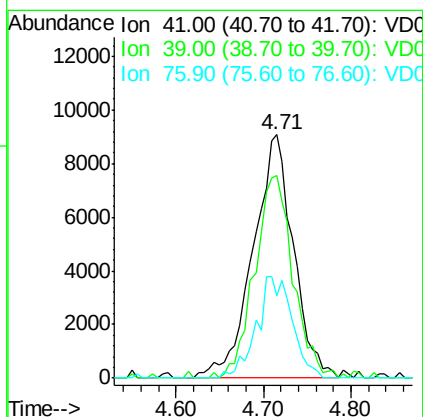
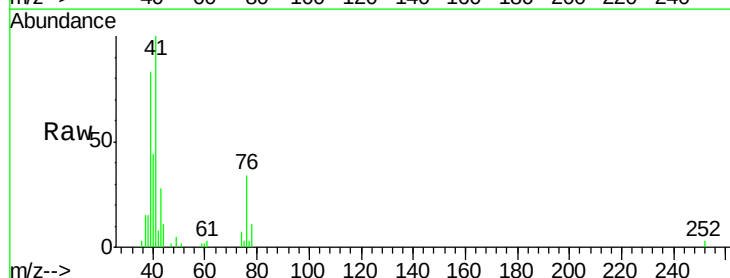
Tgt Ion: 41 Resp: 28784

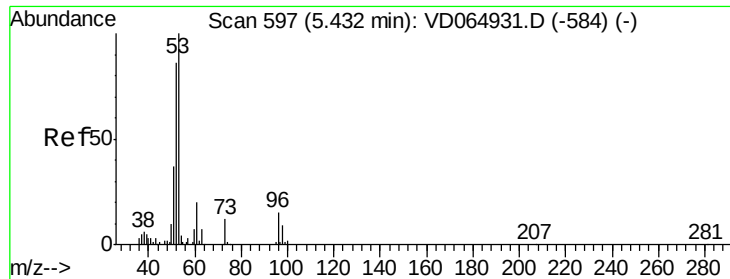
Ion Ratio Lower Upper

41 100

39 79.3 62.0 93.0

76 36.8 29.3 43.9





#15

Acrylonitrile

Concen: 24.769 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

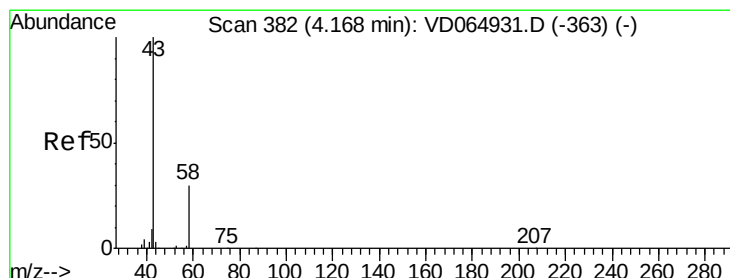
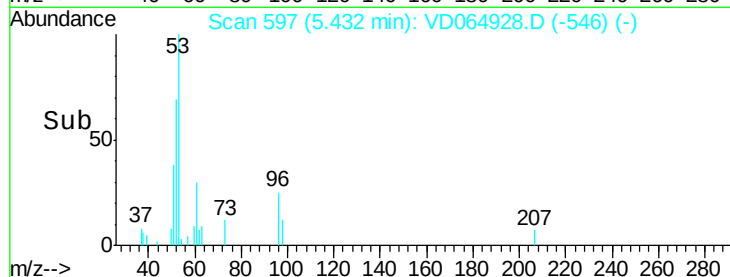
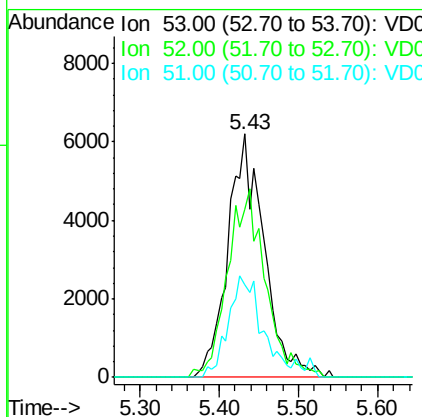
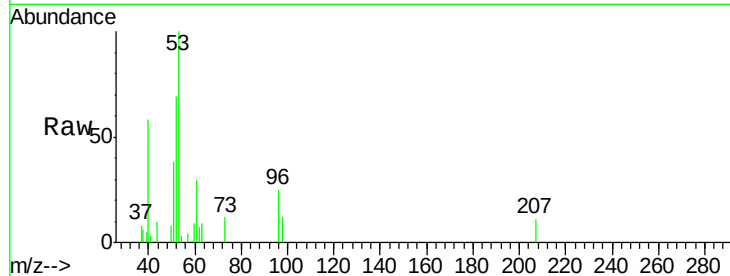
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	19592
Ion Ratio	Lower	Upper	
53	100		
52	80.9	66.7	100.1
51	39.0	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 30.985 ug/l

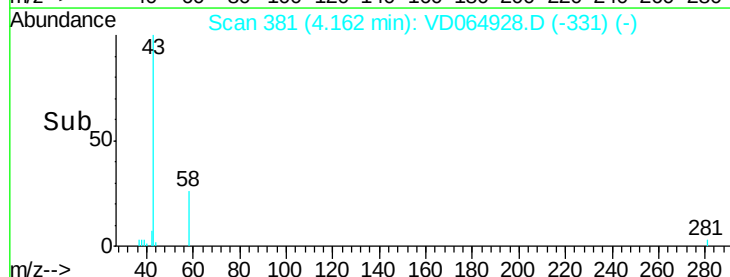
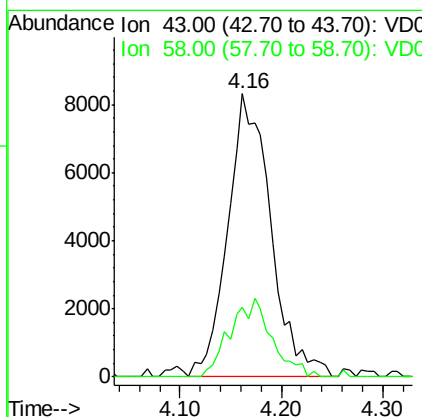
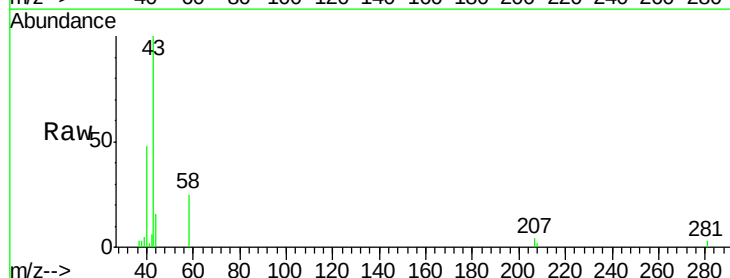
RT: 4.16 min Scan# 381

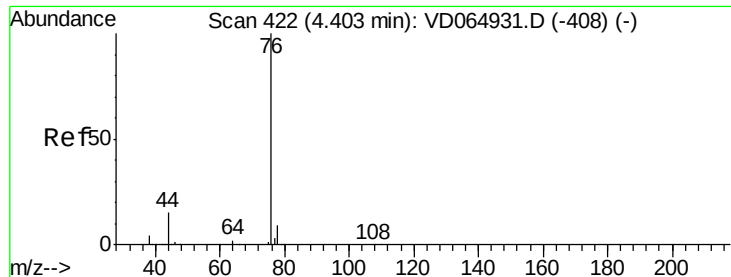
Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	43	Resp:	24532
Ion Ratio	Lower	Upper	
43	100		
58	24.8	23.8	35.8





#17

Carbon Disulfide

Concen: 5.070 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 61811

Ion Ratio Lower Upper

76 100

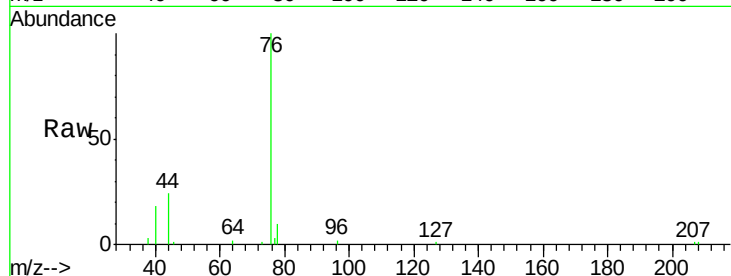
78 9.8 7.1 10.7

Manual Integrations

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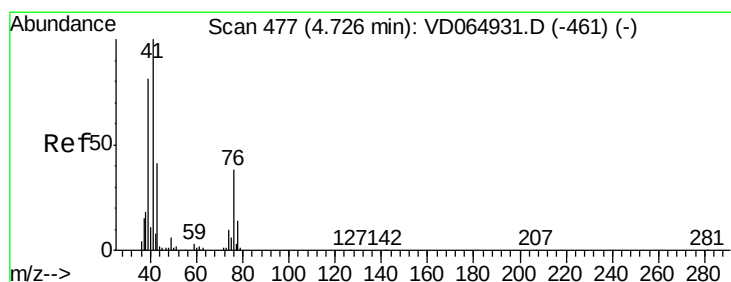
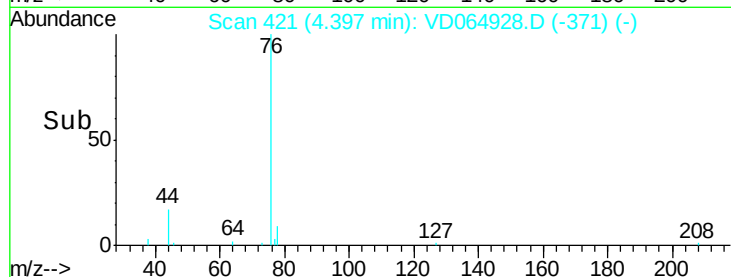
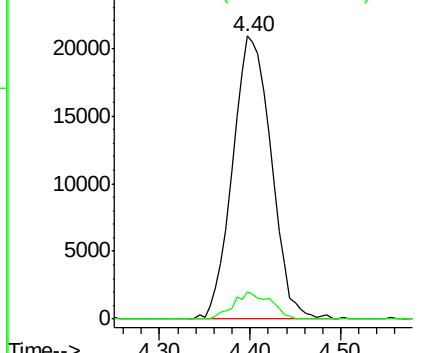
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 4.839 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064928.D

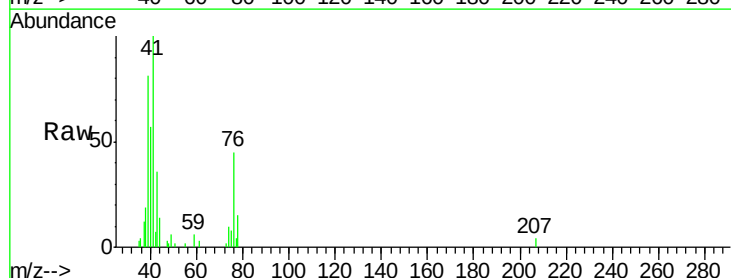
Acq: 23 Jan 2020 10:58

Tgt Ion: 43 Resp: 10112

Ion Ratio Lower Upper

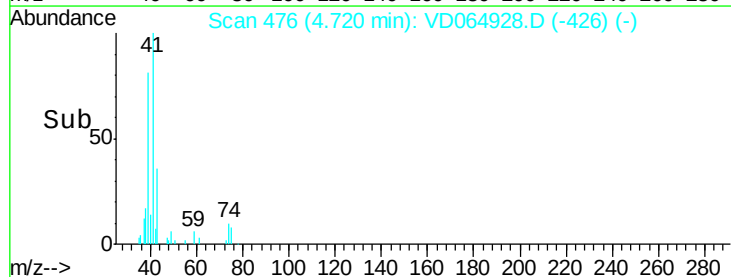
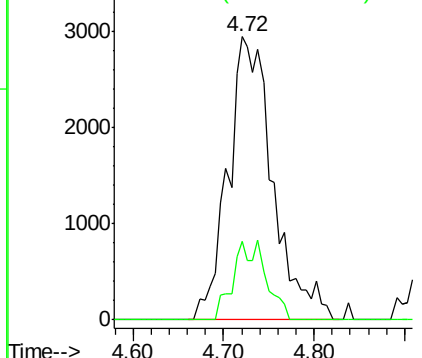
43 100

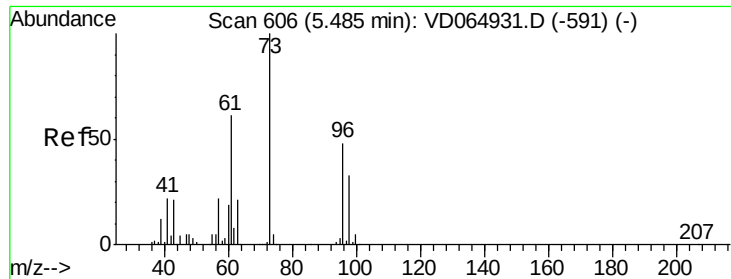
74 20.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





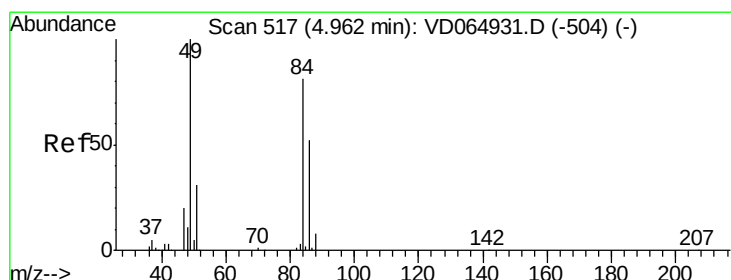
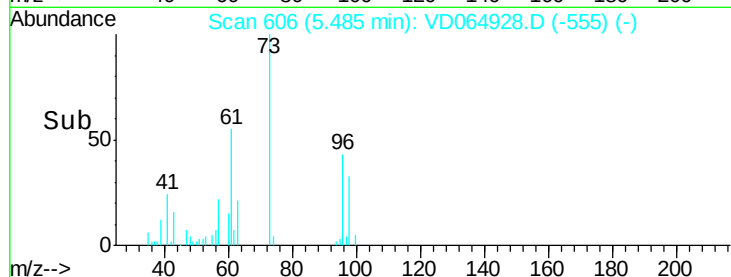
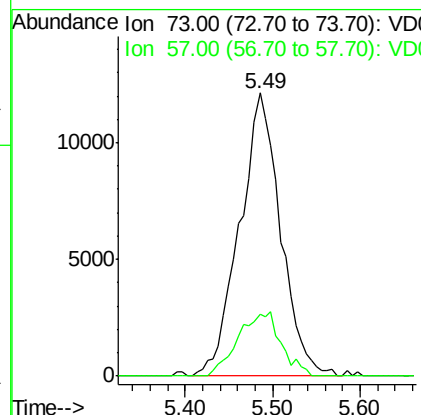
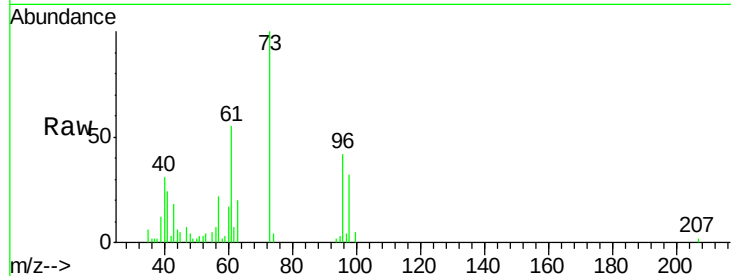
#19
Methyl tert-butyl Ether
Concen: 4.635 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9

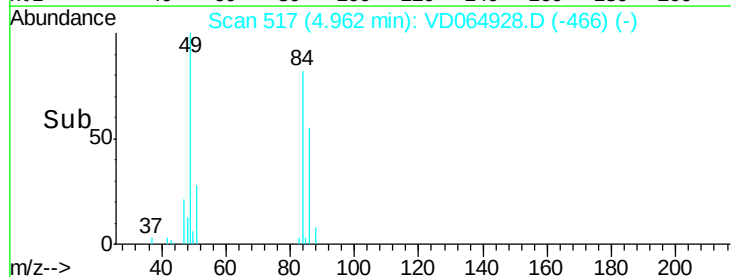
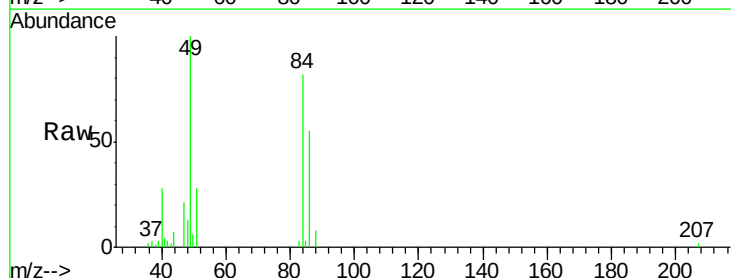
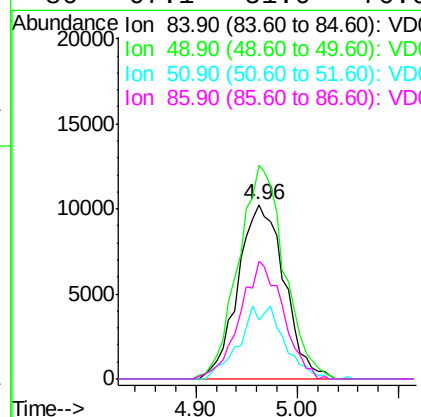
Manual Integrations
APPROVED

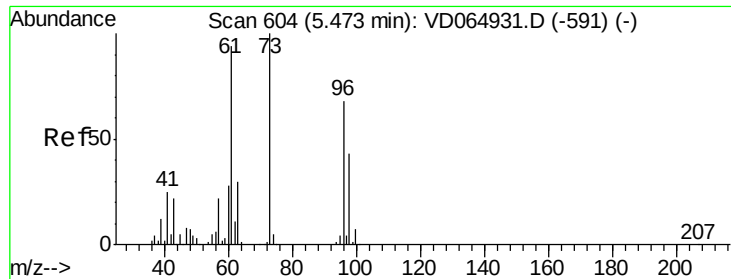
MMDadoda
1/24/2020 4:01:41 PM



#20
Methylene Chloride
Concen: 7.237 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	98.4	147.6
51	34.0	30.8	46.2
86	67.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 4.954 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

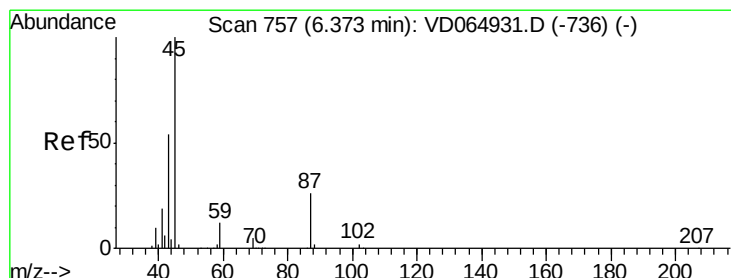
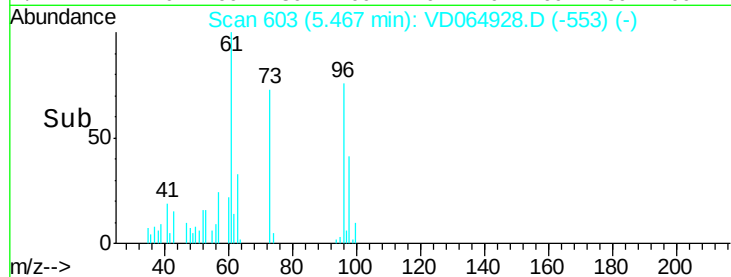
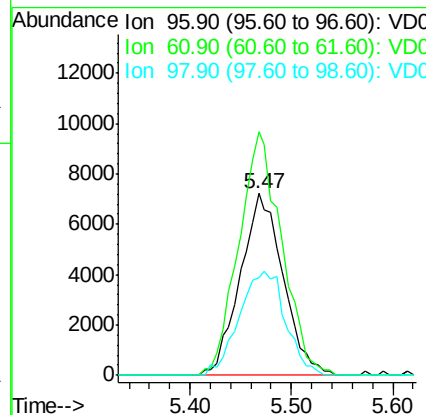
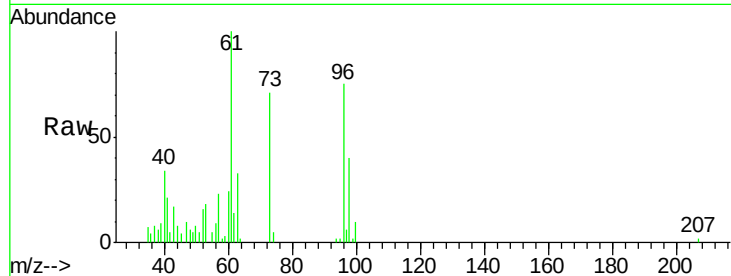
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	21251
Ion	Ratio	Lower	Upper
96	100		
61	133.7	110.4	165.6
98	53.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.608 ug/l

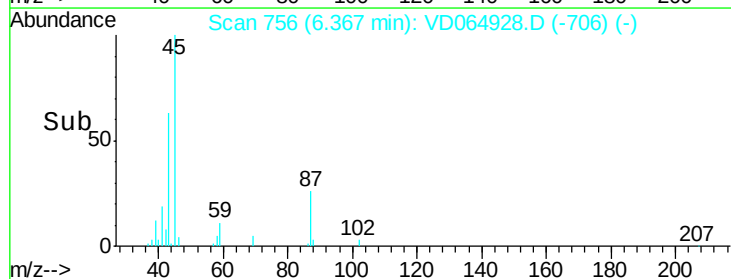
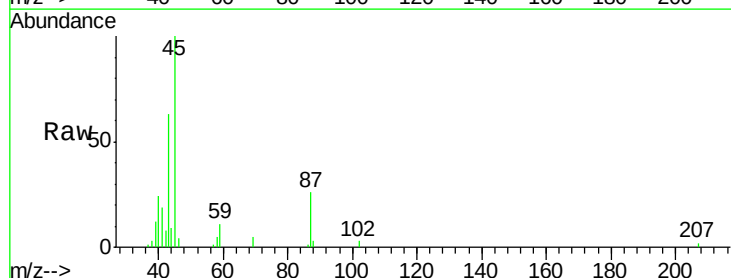
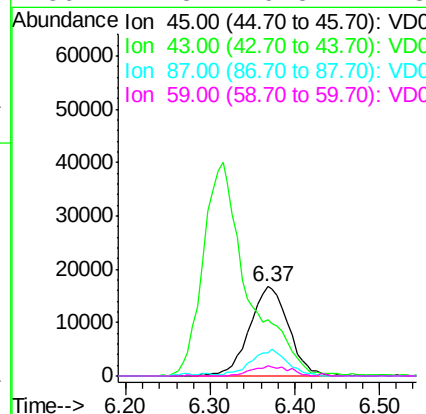
RT: 6.37 min Scan# 756

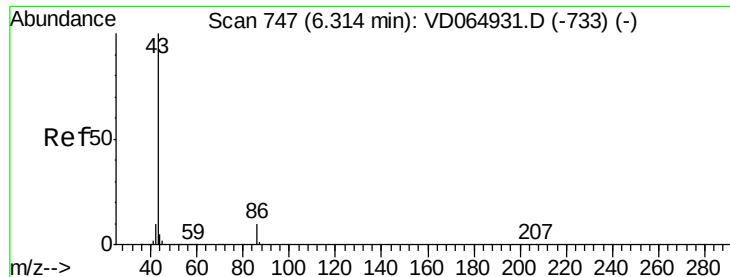
Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	45	Resp:	54027
Ion	Ratio	Lower	Upper
45	100		
43	62.0	43.1	64.7
87	25.7	21.4	32.2
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 22.009 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 146811

Ion Ratio Lower Upper

43 100

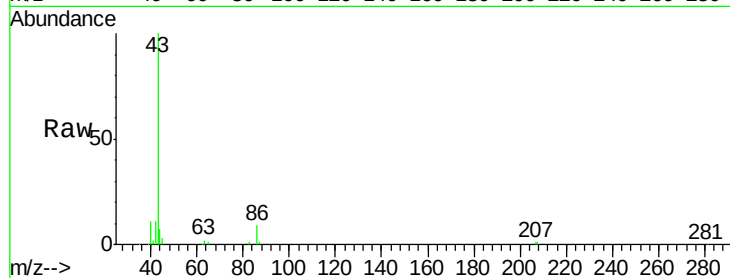
86 9.1 8.3 12.5

Manual Integrations

APPROVED

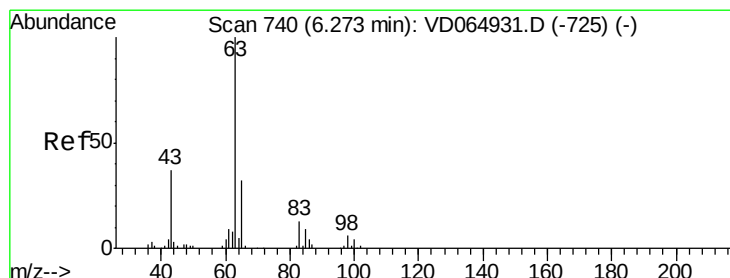
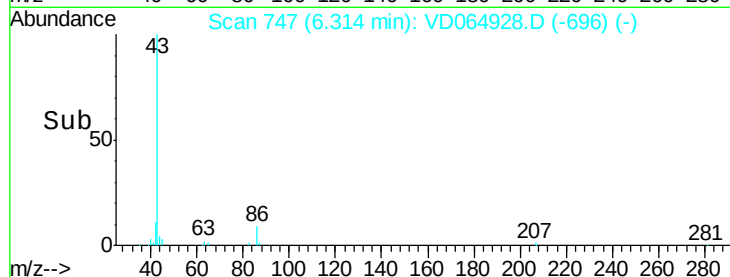
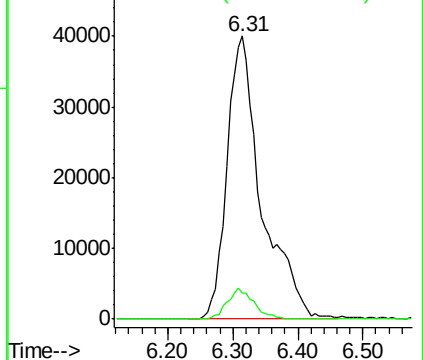
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.090 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

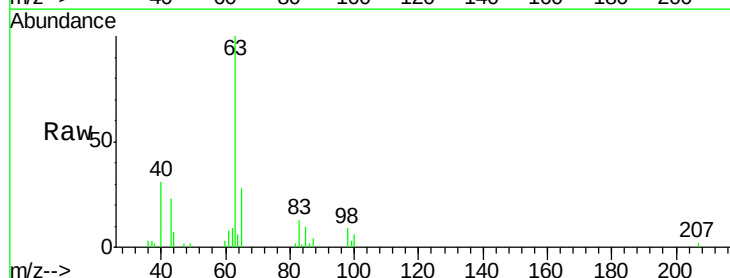
Tgt Ion: 63 Resp: 35881

Ion Ratio Lower Upper

63 100

98 8.9 3.1 9.3

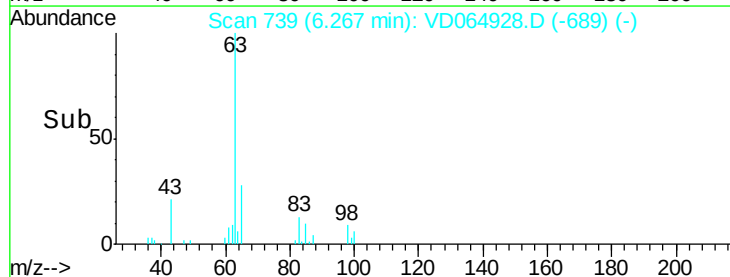
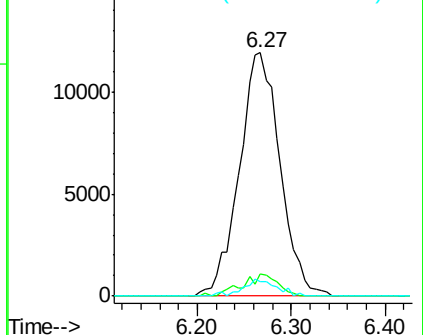
100 5.7 2.3 6.8

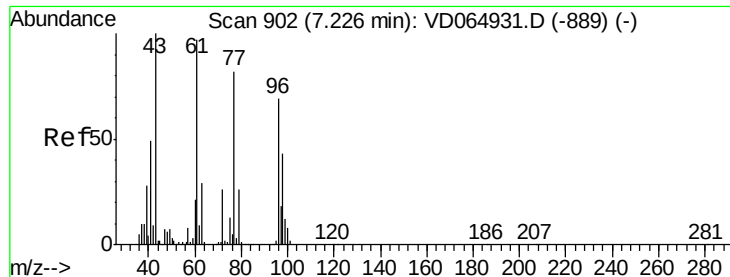


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





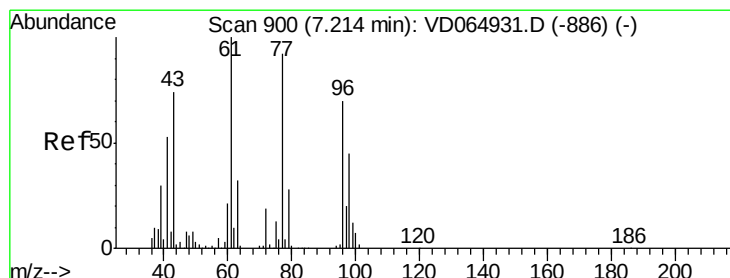
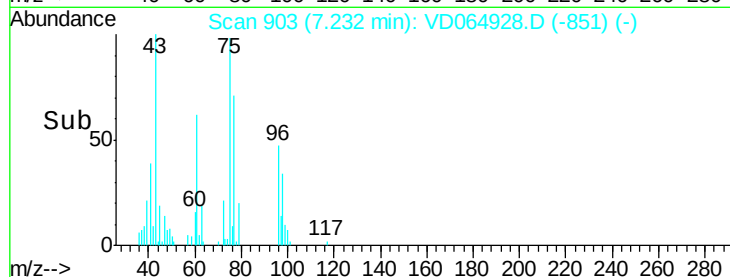
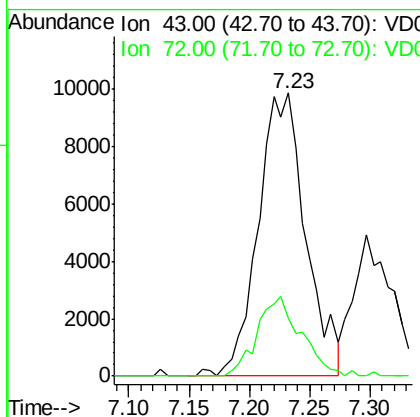
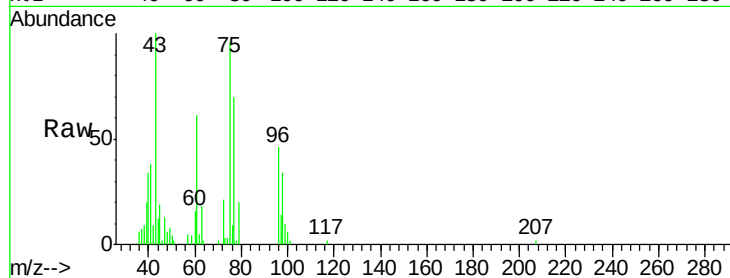
#25
2-Butanone
Concen: 25.581 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	26893
Ion Ratio	Lower	Upper	
43	100		
72	20.7	20.6	31.0

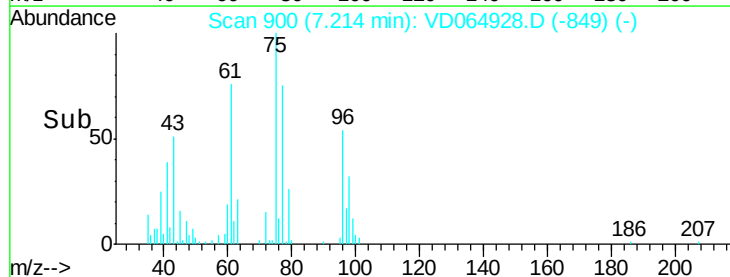
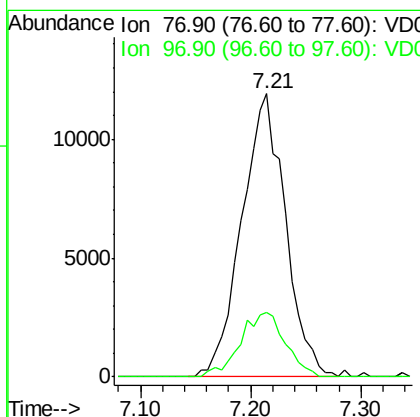
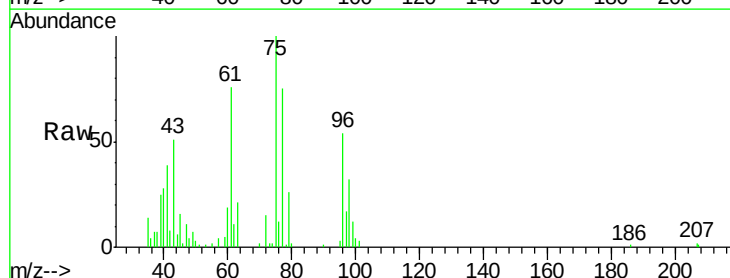
Manual Integrations
APPROVED

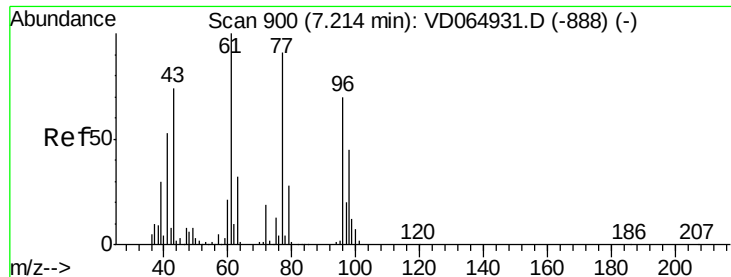
MMDadoda
1/24/2020 4:01:41 PM



#26
2,2-Dichloropropane
Concen: 5.058 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	77	Resp	33025
Ion Ratio	Lower	Upper	
77	100		
97	23.4	11.4	34.2





#27

cis-1,2-Dichloroethene

Concen: 4.967 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

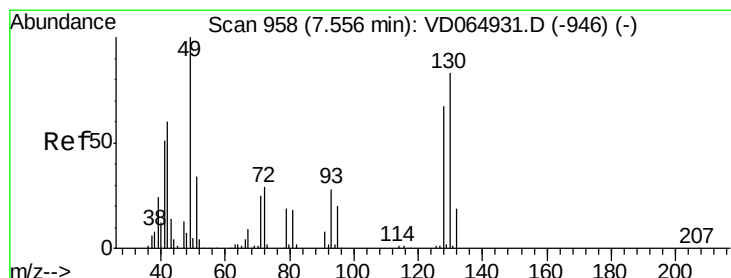
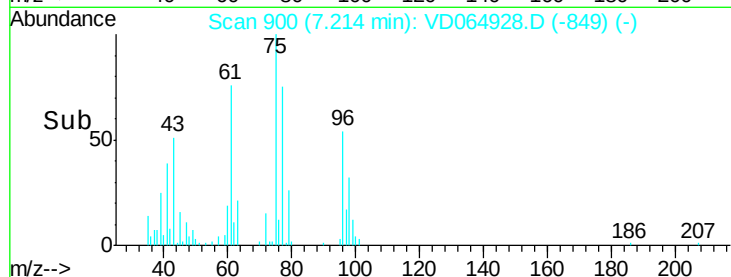
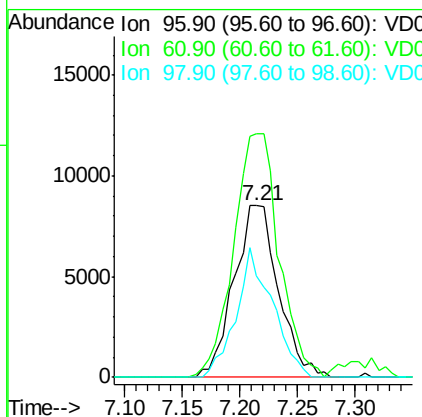
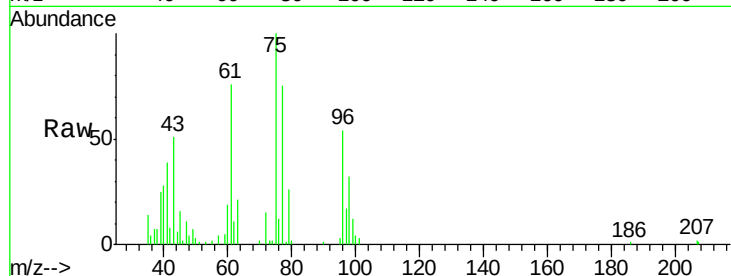
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	22861
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	292.8
98	61.6	0.0	130.0

Manual Integrations
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1/24/2020 4:01:41 PM



#28

Bromochloromethane

Concen: 5.574 ug/l

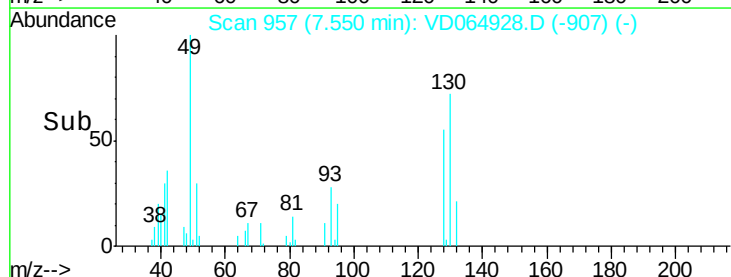
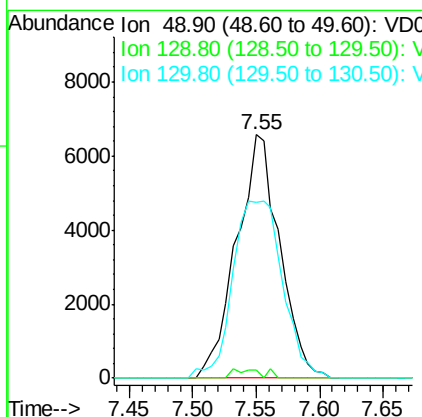
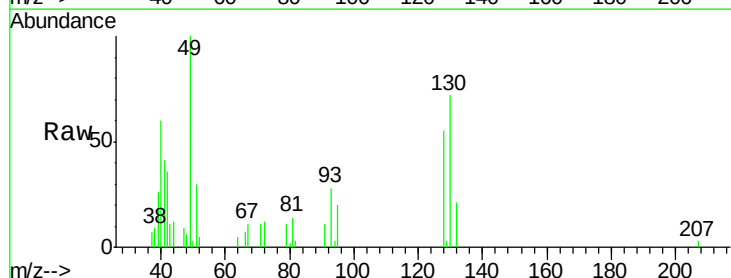
RT: 7.55 min Scan# 957

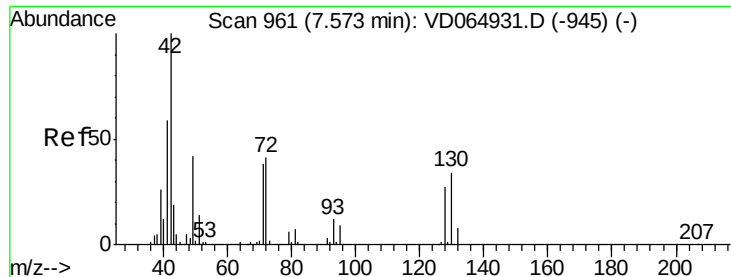
Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	49	Resp:	15515
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	84.1	63.8	95.8





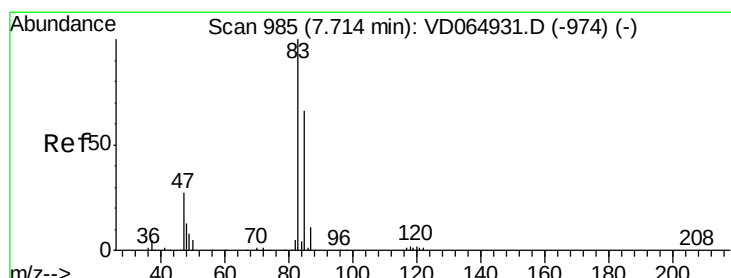
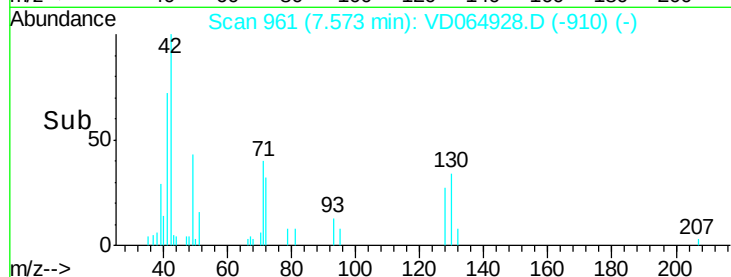
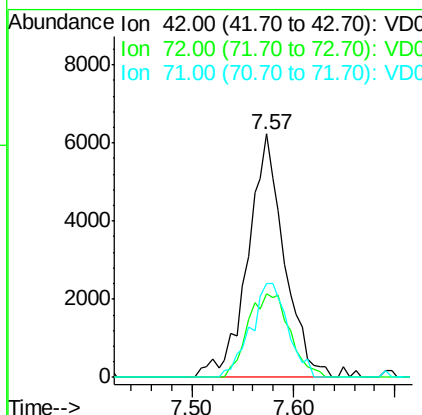
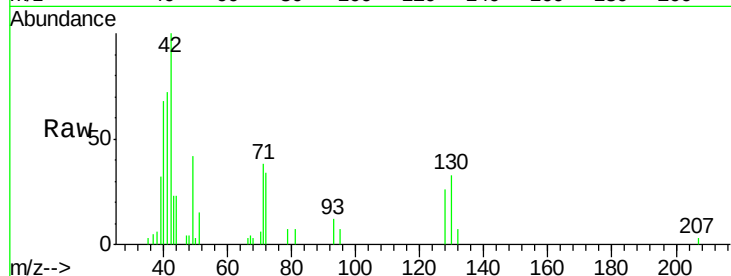
#29
Tetrahydrofuran
Concen: 23.872 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	34.0	51.0
71	39.3	31.5	47.3

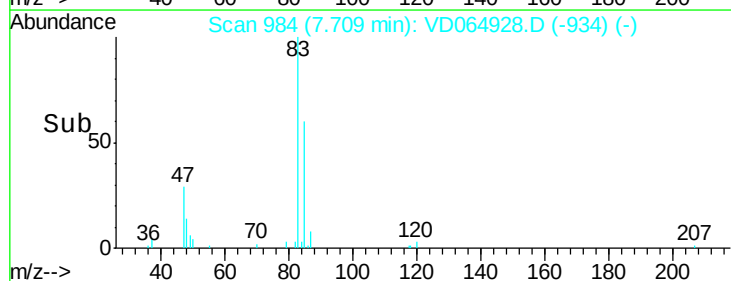
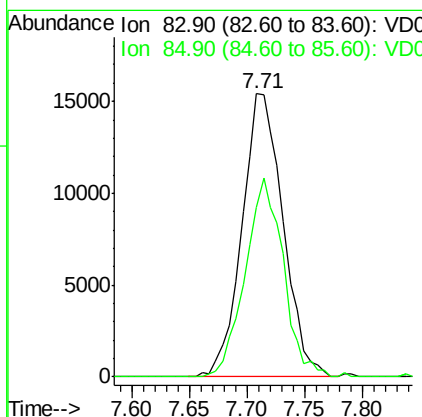
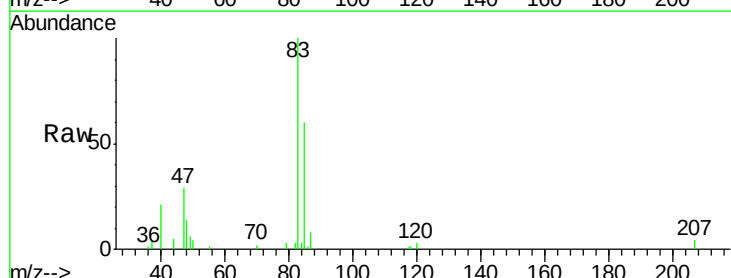
Manual Integrations
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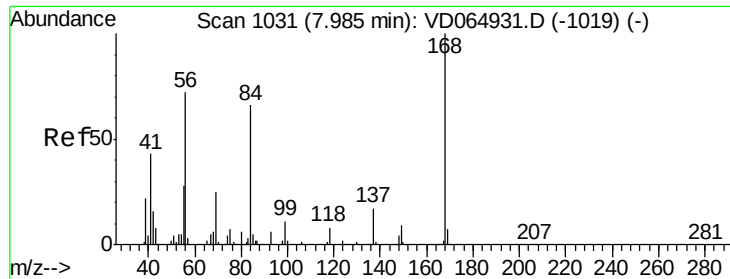
MMDadoda
1/24/2020 4:01:41 PM



#30
Chloroform
Concen: 5.165 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.4	78.6





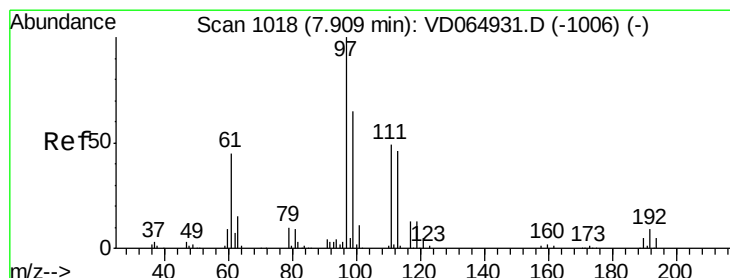
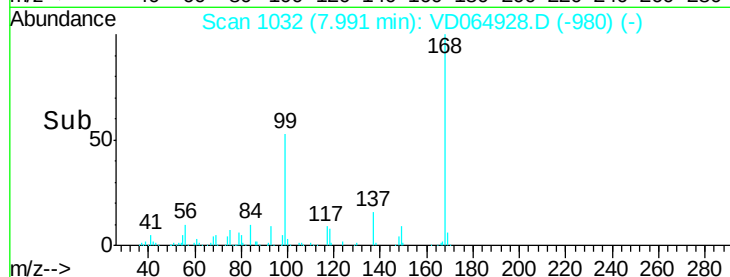
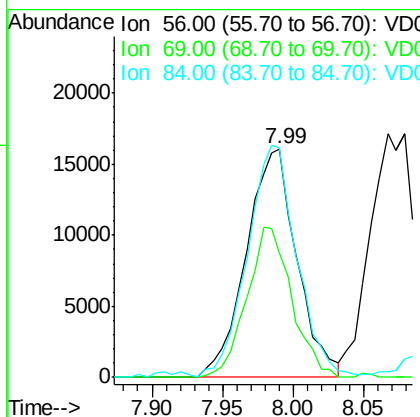
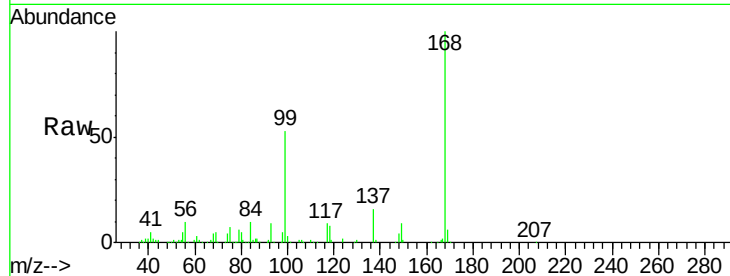
#31
Cyclohexane
Concen: 5.715 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	40336
Ion Ratio	100	Lower	Upper
56	100		
69	54.4	27.9	41.9#
84	99.1	72.8	109.2

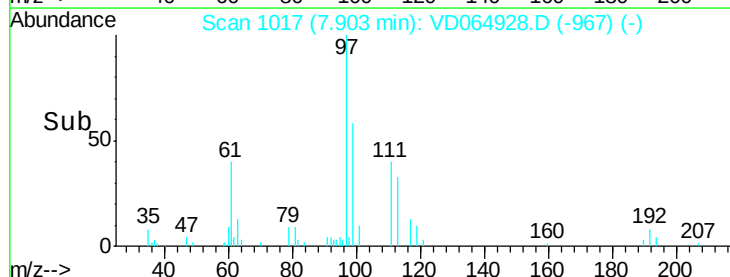
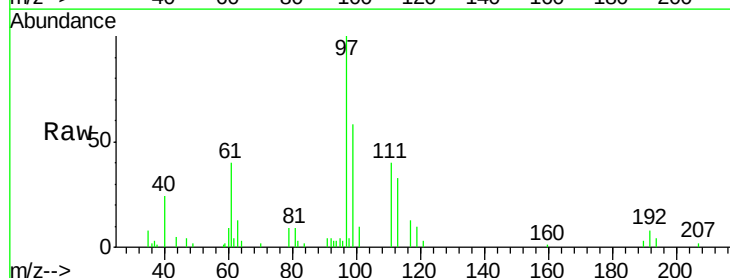
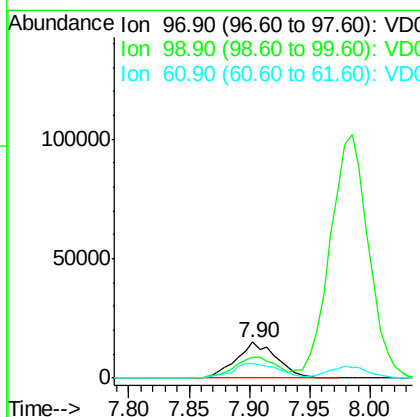
Manual Integrations
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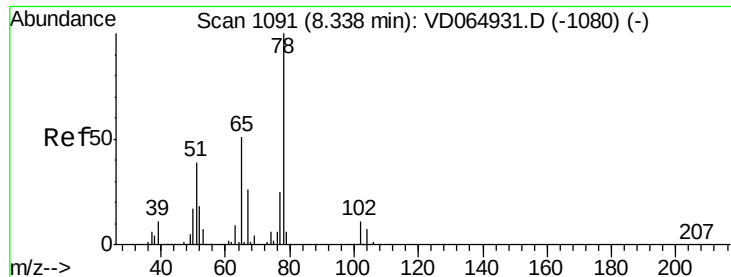
MMDadoda
1/24/2020 4:01:41 PM



#32
1,1,1-Trichloroethane
Concen: 5.150 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	97	Resp	35689
Ion Ratio	100	Lower	Upper
97	100		
99	59.7	50.6	76.0
61	44.8	35.7	53.5





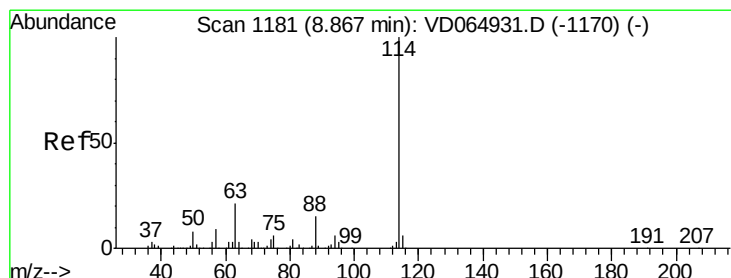
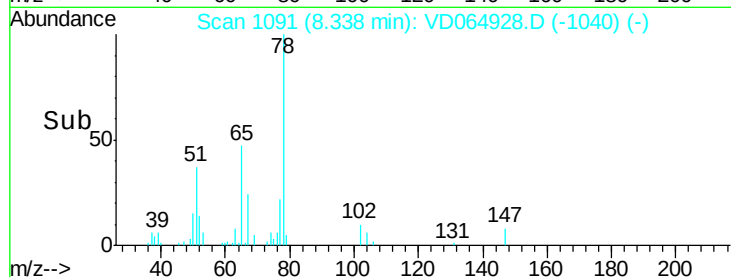
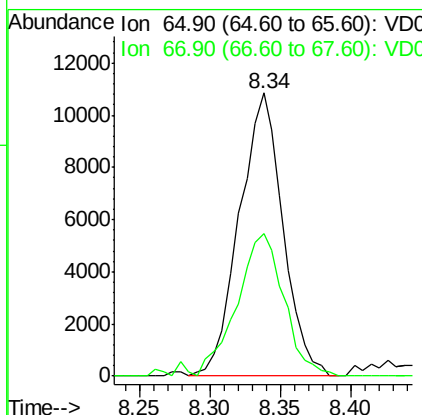
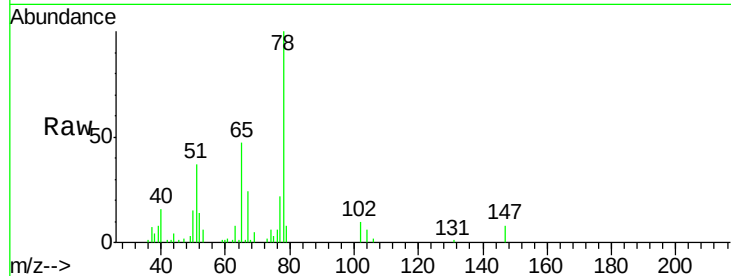
#33
 1,2-Dichloroethane-d4
 Concen: 6.087 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	103.6

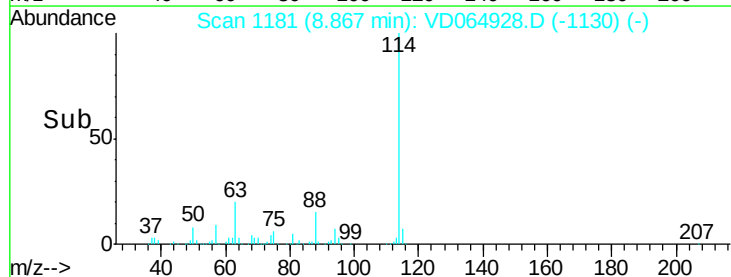
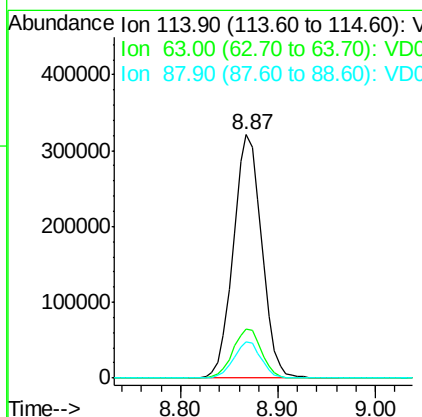
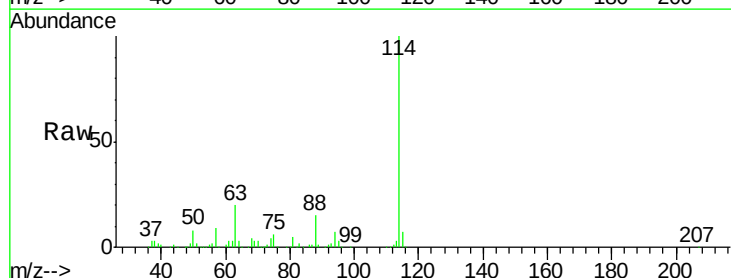
Manual Integrations
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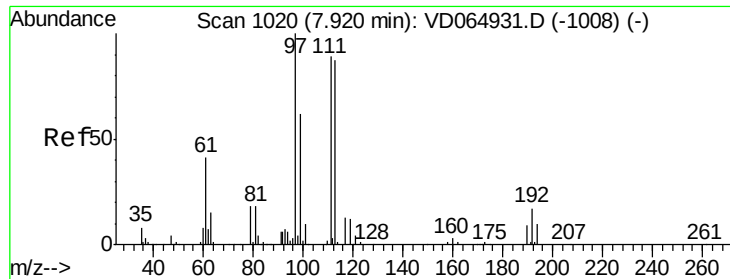
MMDadoda
 1/24/2020 4:01:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.0
88	14.8	0.0	29.4





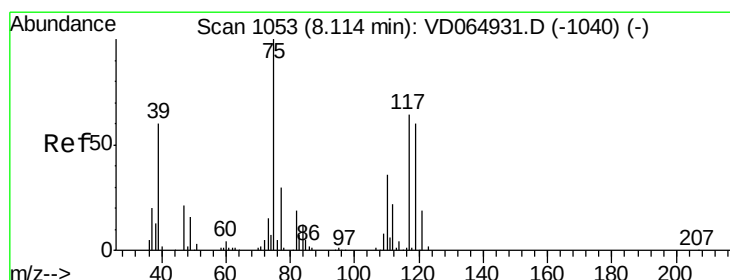
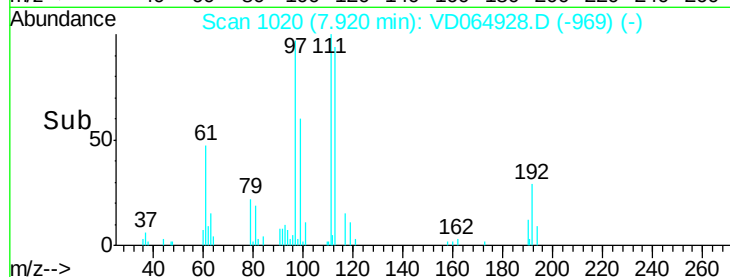
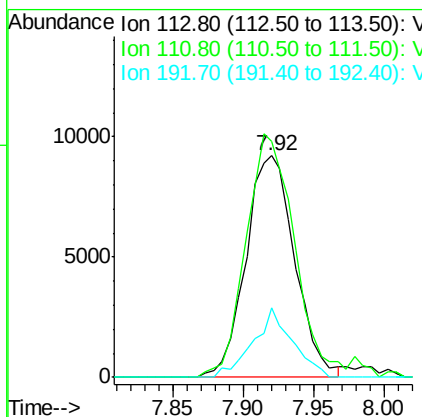
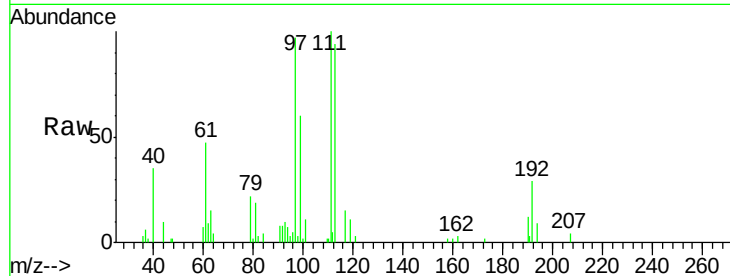
#35
 Dibromofluoromethane
 Concen: 5.546 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	109.2	82.4	123.6
192	25.2	16.9	25.3

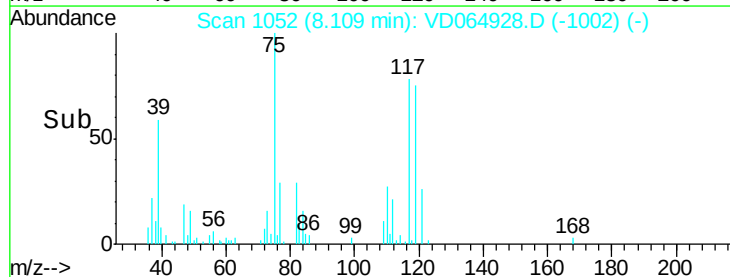
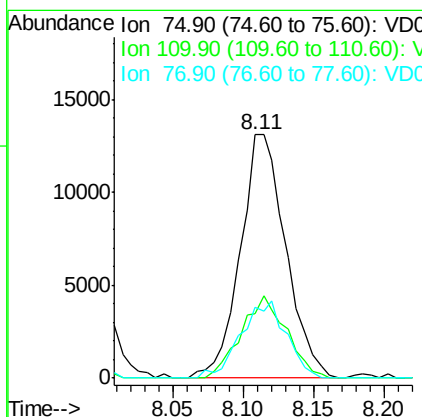
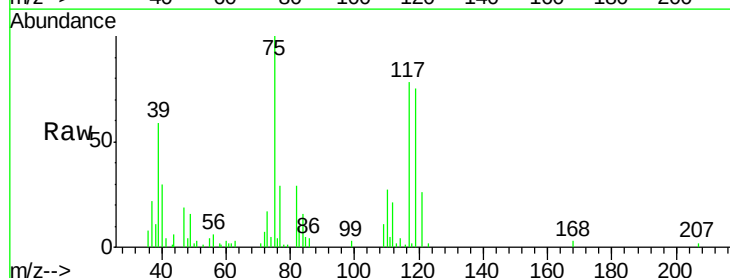
Manual Integrations
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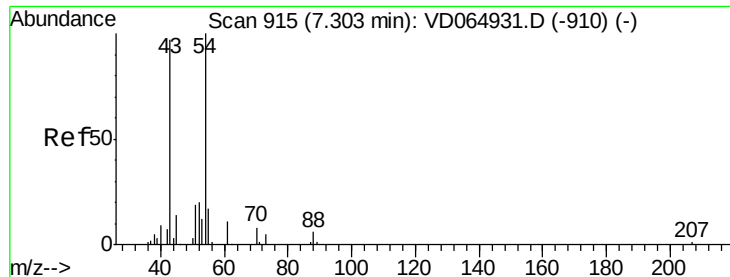
MMDadoda
 1/24/2020 4:01:41 PM



#36
 1,1-Dichloropropene
 Concen: 4.726 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.3	52.0
77	31.7	24.7	37.1





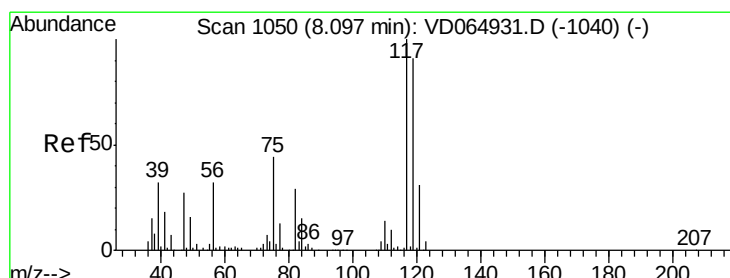
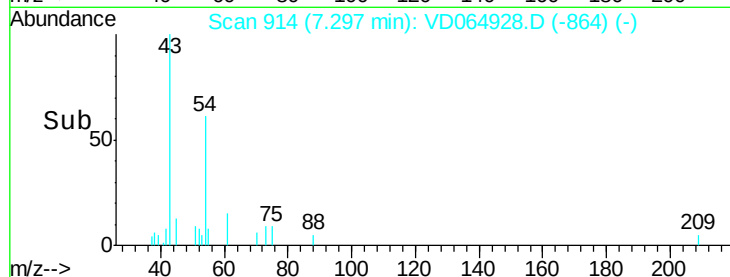
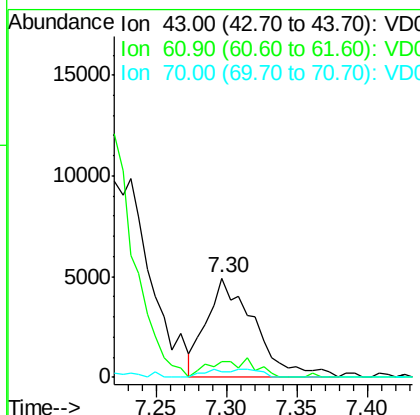
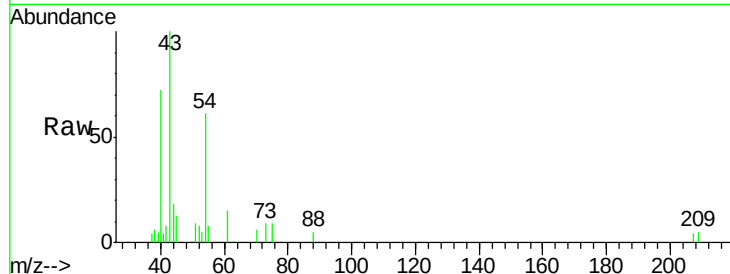
#37
Ethyl Acetate
Concen: 4.756 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	11.0	16.4#
70	3.4	7.5	11.3#

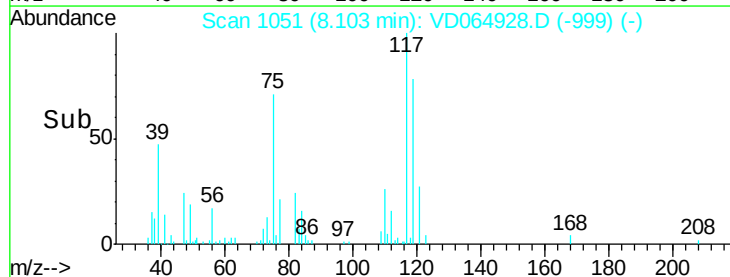
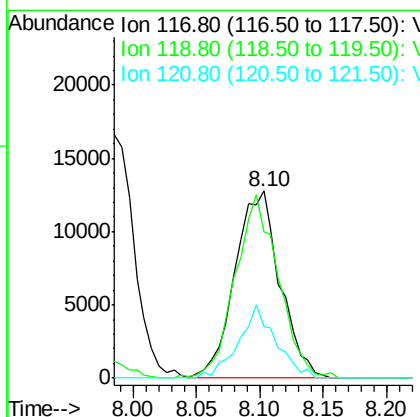
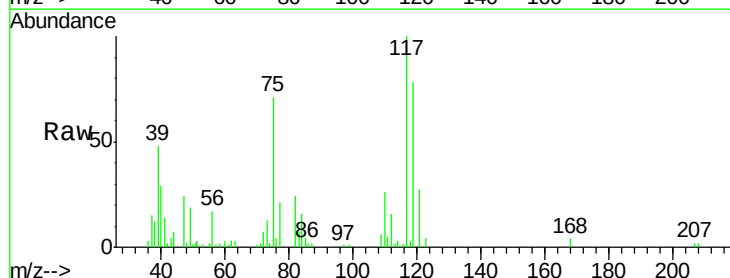
Manual Integrations
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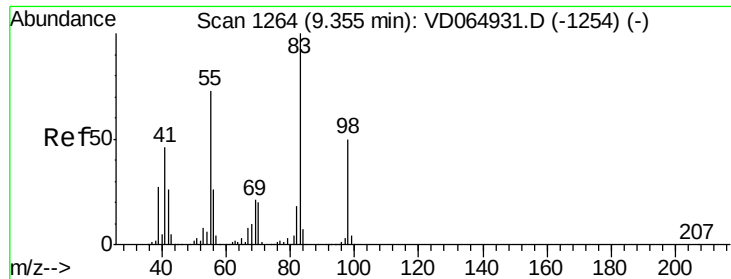
MMDadoda
1/24/2020 4:01:41 PM



#38
Carbon Tetrachloride
Concen: 4.744 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.4	73.2	109.8
121	27.2	24.4	36.6





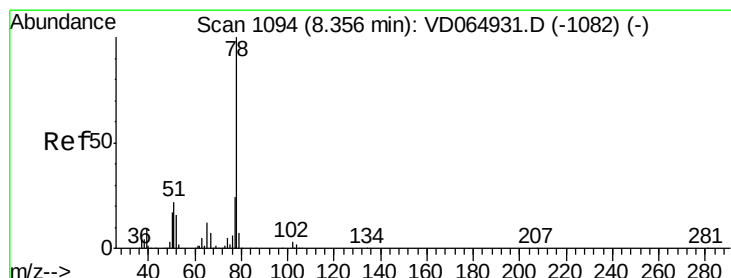
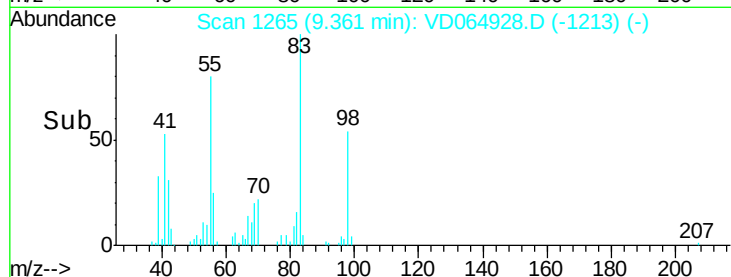
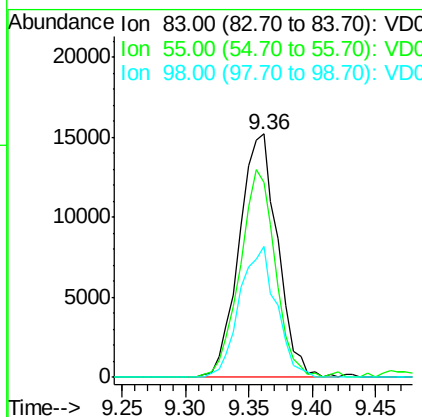
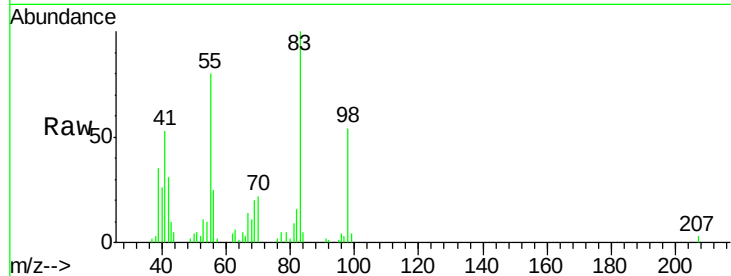
#39
Methylvlcyclohexane
Concen: 4.247 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	32051
Ion Ratio	100	Lower	Upper
83	100		
55	79.9	58.7	88.1
98	53.7	40.2	60.2

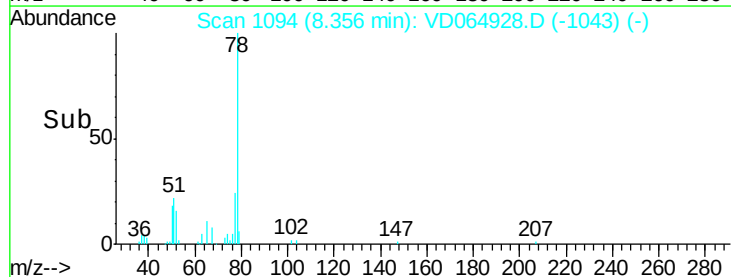
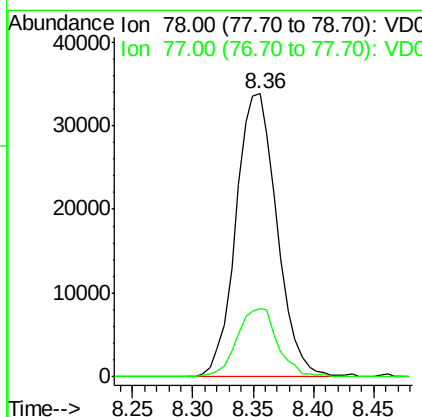
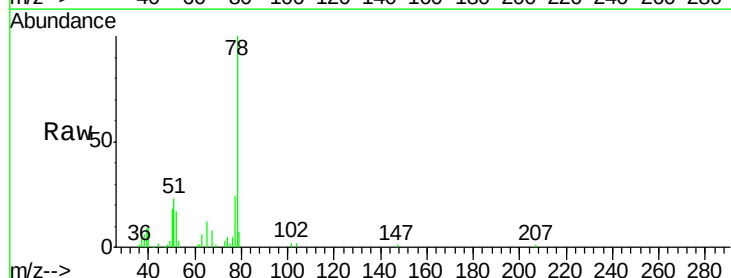
Manual Integrations
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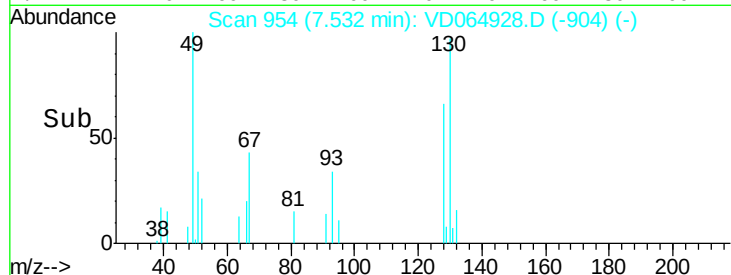
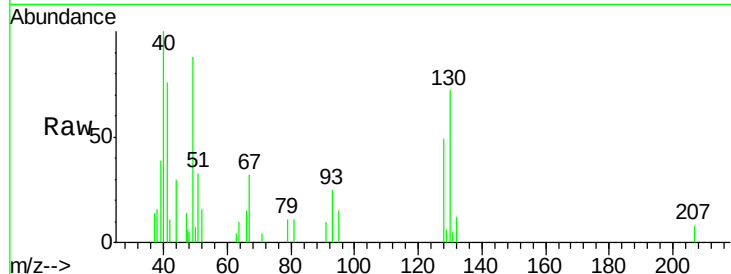
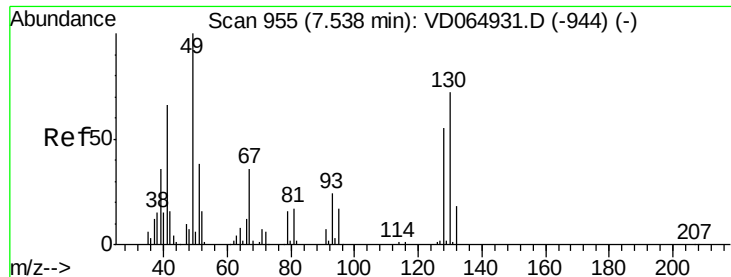
MMDadoda
1/24/2020 4:01:41 PM



#40
Benzene
Concen: 4.679 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	78	Resp	80069
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.2	28.8





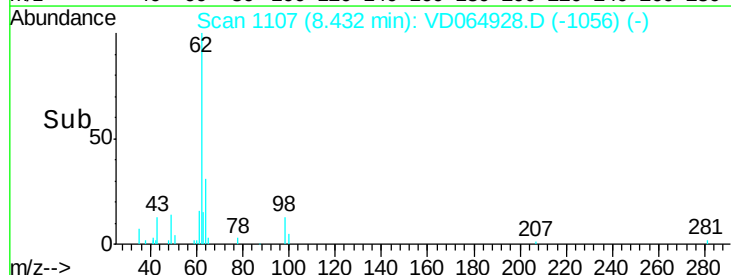
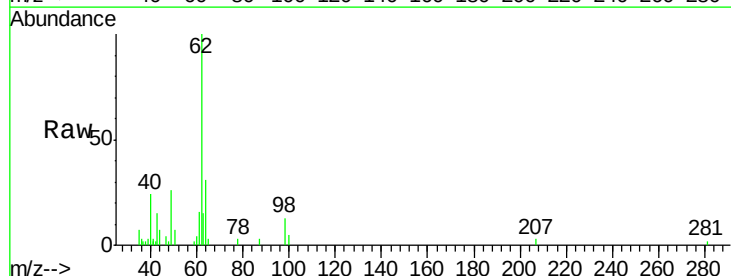
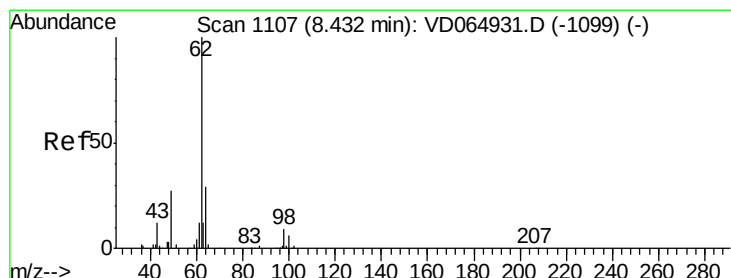
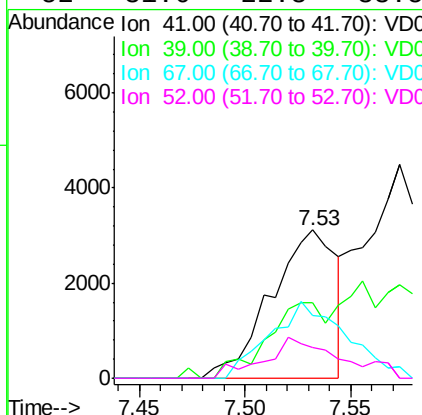
#41
Methacrylonitrile
Concen: 4.688 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tot Ion	41	Resp	6712
Ion	Ratio	Lower	Upper
41	100		
39	45.4	49.3	73.9#
67	60.8	51.0	76.6
52	31.6	22.3	33.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

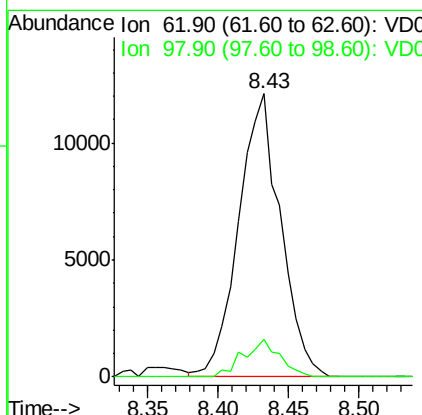
Manual Integrations
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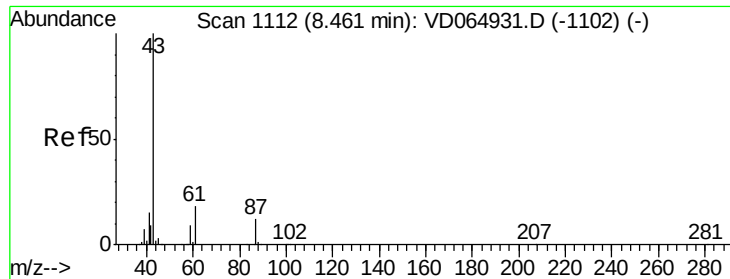
MMDadoda
1/24/2020 4:01:41 PM



#42
1,2-Dichloroethane
Concen: 5.068 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	62	Resp	25162
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 4.602 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

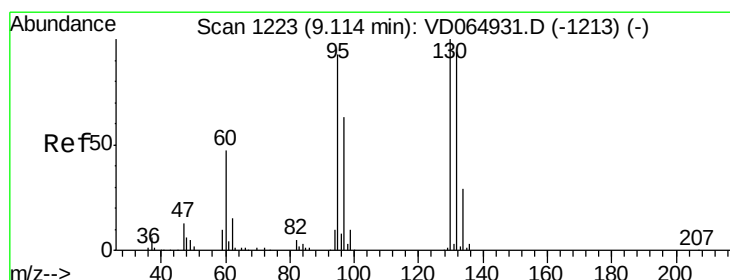
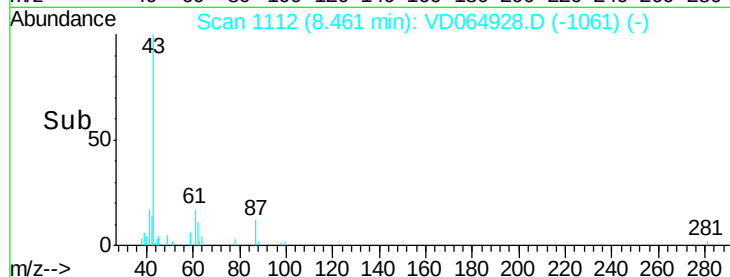
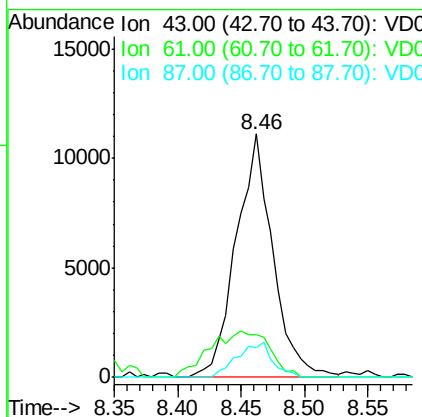
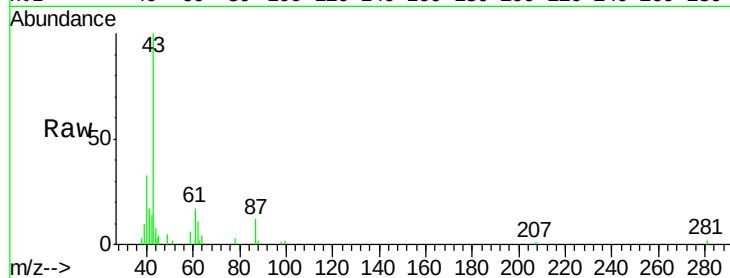
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	22406
Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.8	35.6
87	13.9	10.3	15.5

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#44

Trichloroethene

Concen: 4.499 ug/l

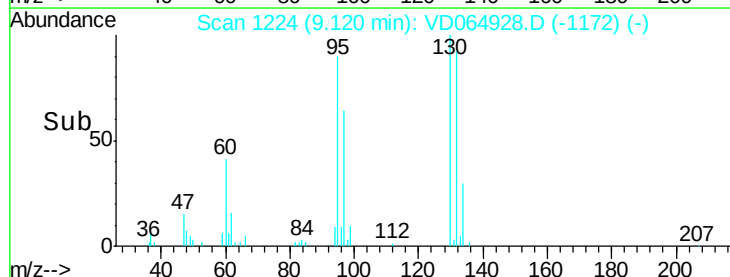
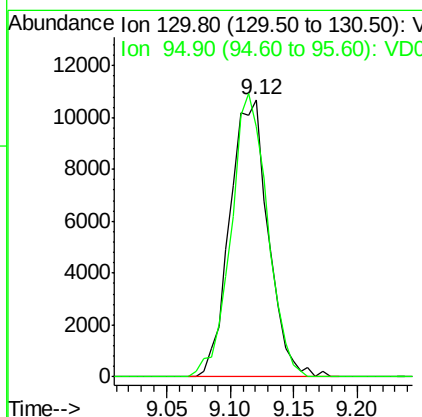
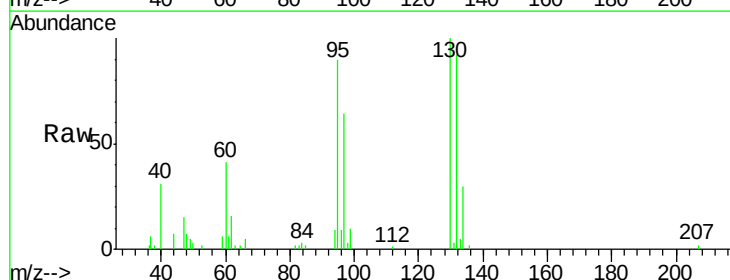
RT: 9.12 min Scan# 1224

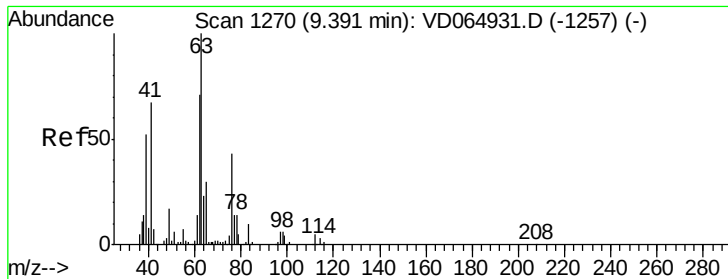
Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	130	Resp:	22387
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	185.8





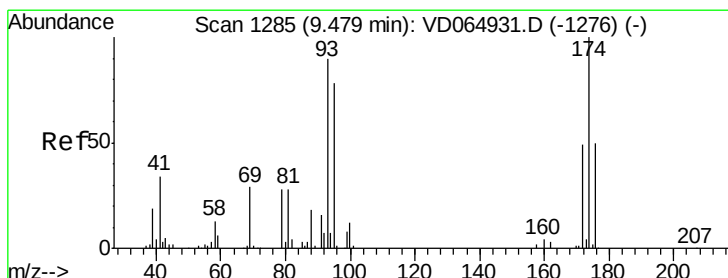
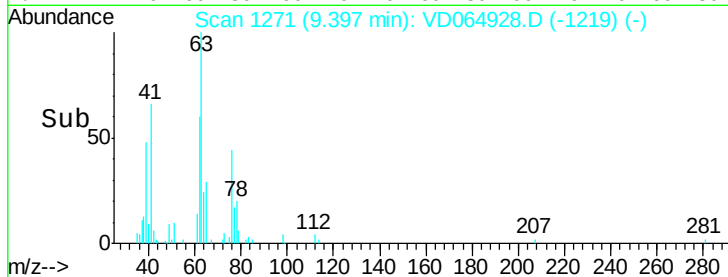
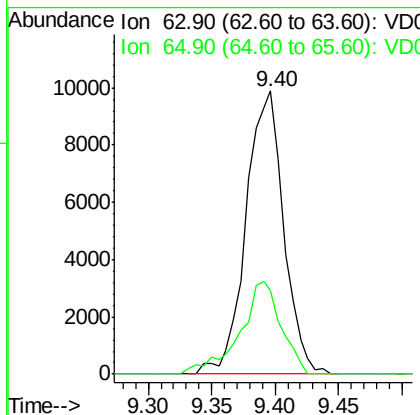
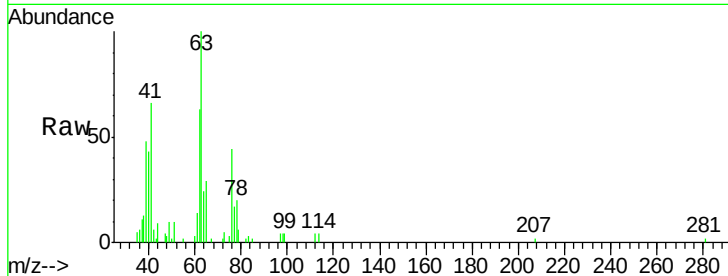
#45
 1,2-Dichloropropane
 Concen: 5.017 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 20462
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.3 36.5

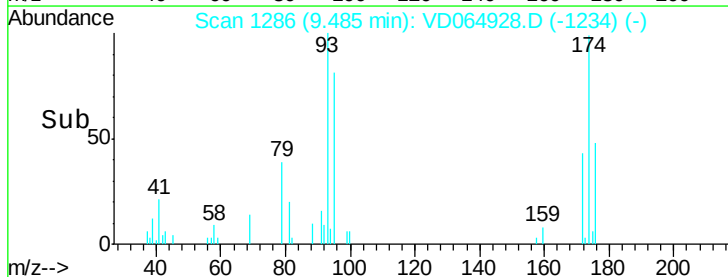
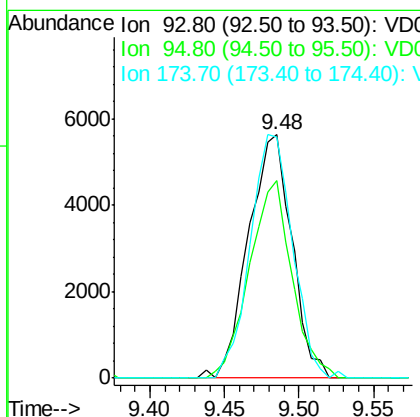
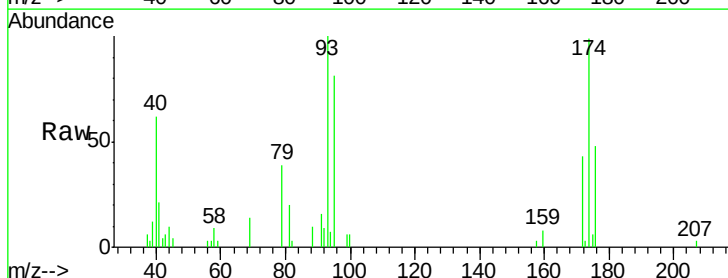
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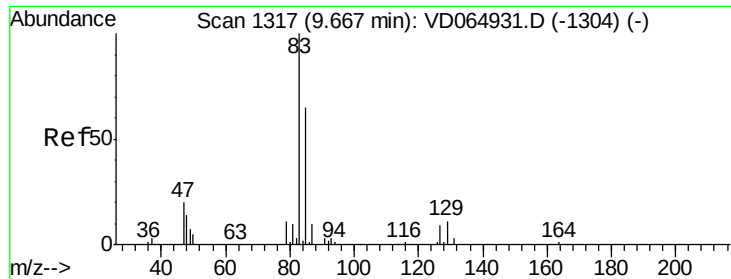
MMDadoda
 1/24/2020 4:01:41 PM



#46
 Dibromomethane
 Concen: 5.023 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion: 93 Resp: 11332
 Ion Ratio Lower Upper
 93 100
 95 79.7 67.5 101.3
 174 97.9 88.4 132.6





#47

Bromodichloromethane

Concen: 4.493 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

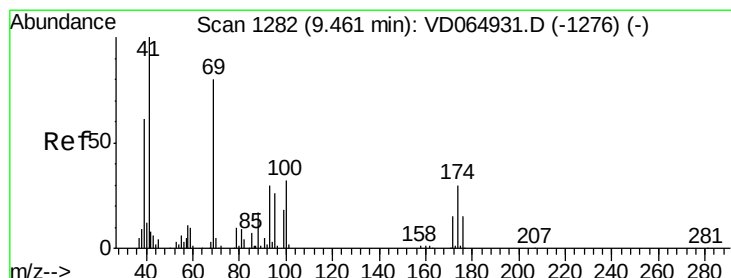
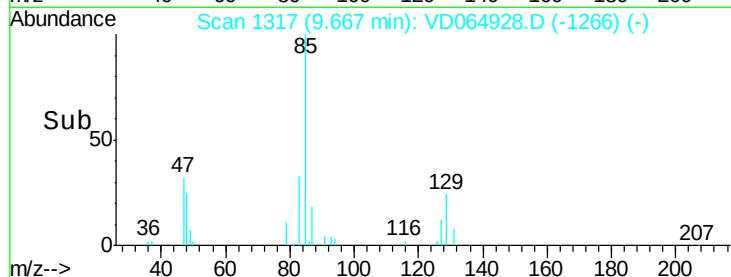
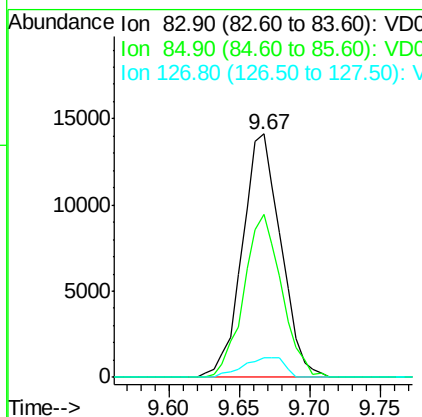
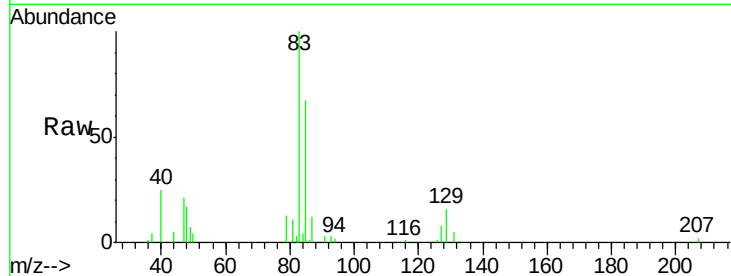
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	27015
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.0	78.0
127	7.8	7.3	10.9

Manual Integrations
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1/24/2020 4:01:41 PM



#48

Methyl methacrylate

Concen: 4.439 ug/l

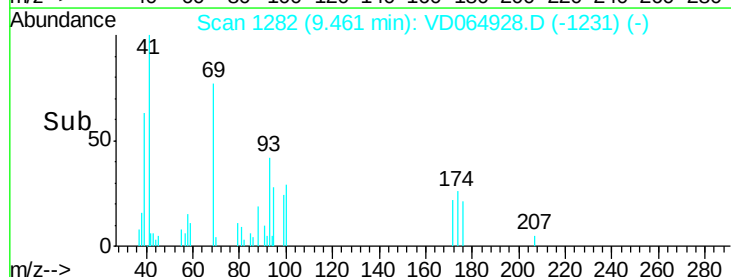
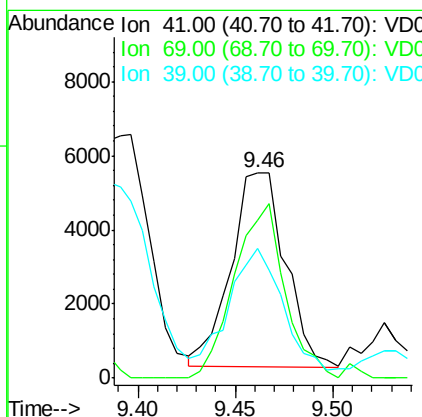
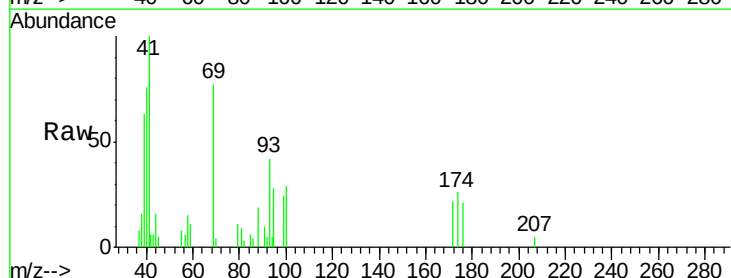
RT: 9.46 min Scan# 1282

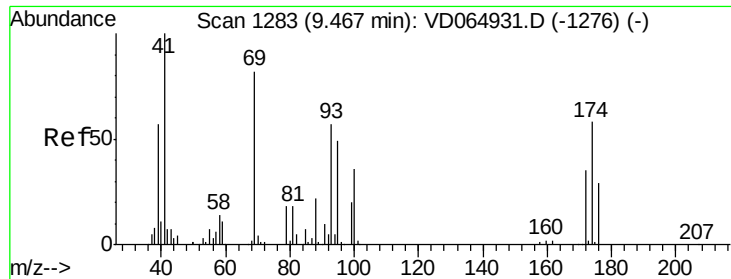
Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	41	Resp:	10113
Ion	Ratio	Lower	Upper
41	100		
69	83.8	65.8	98.8
39	60.5	49.4	74.0





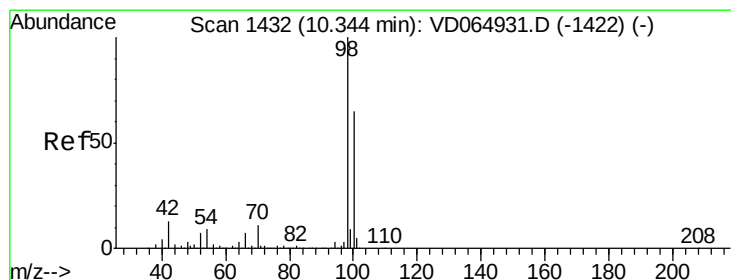
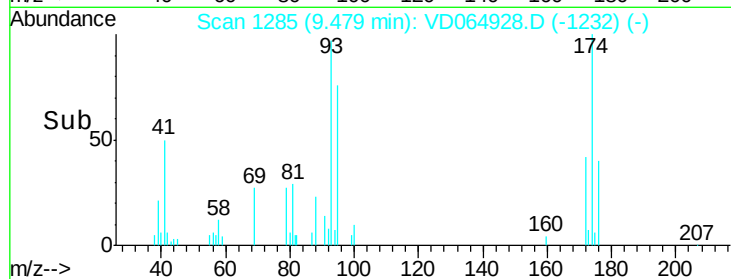
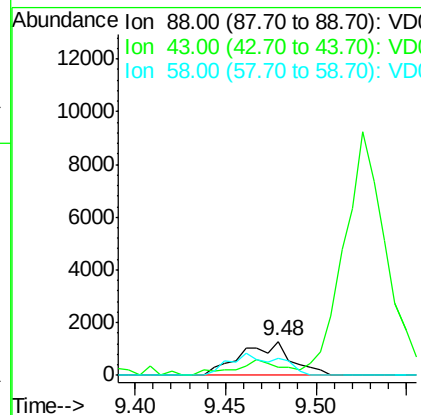
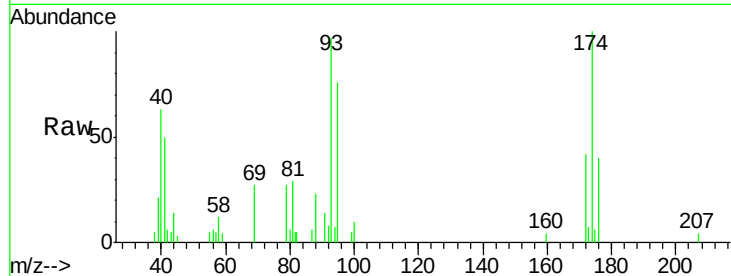
#49
1,4-Dioxane
Concen: 94.681 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	26.2	39.4#
58	64.4	50.3	75.5

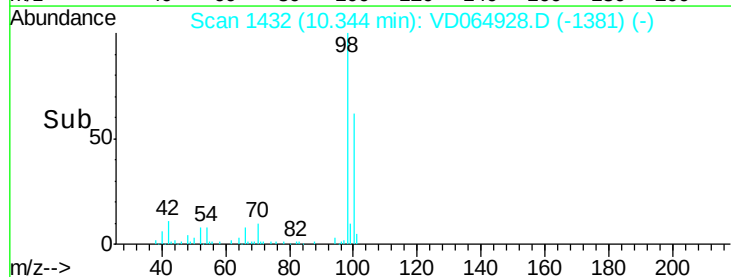
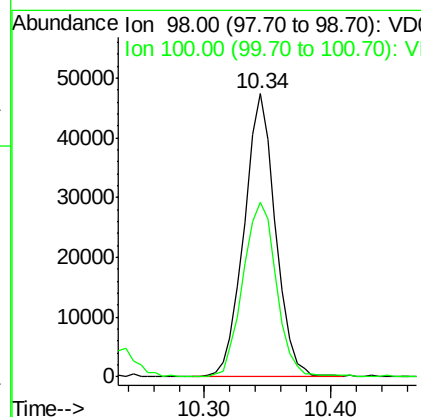
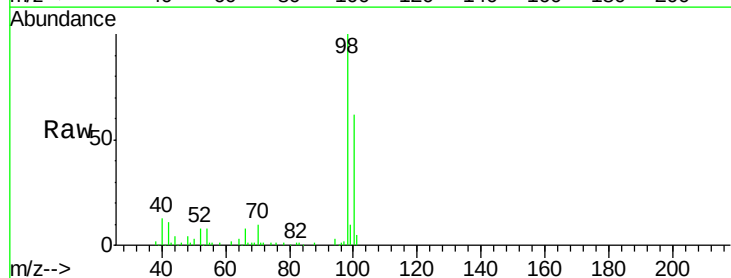
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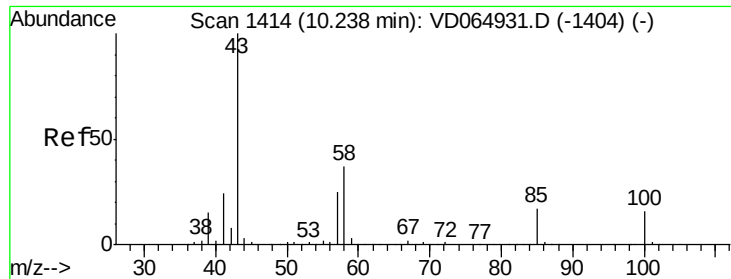
MMDadoda
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#50
Toluene-d8
Concen: 5.256 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.3	78.5





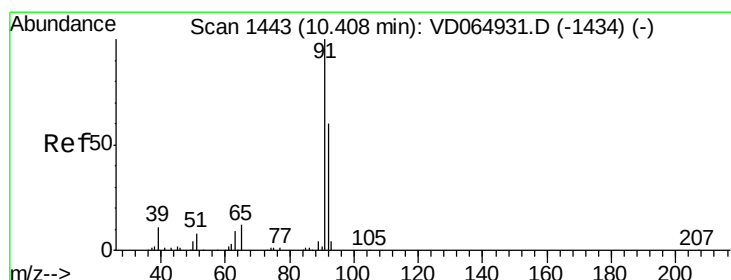
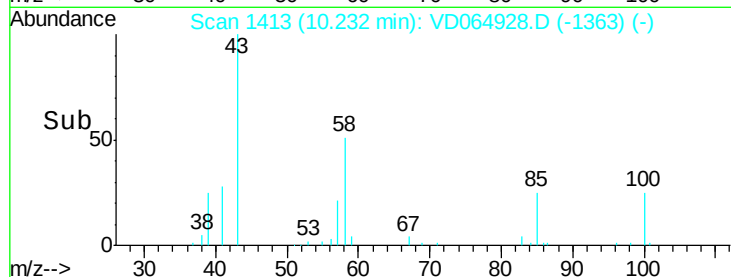
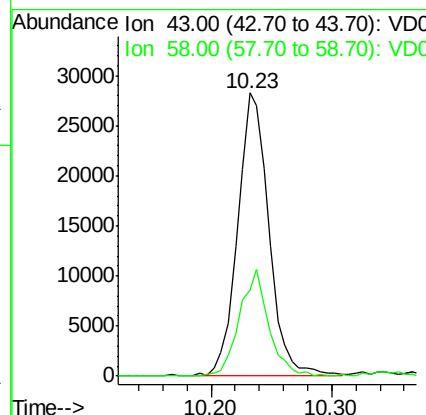
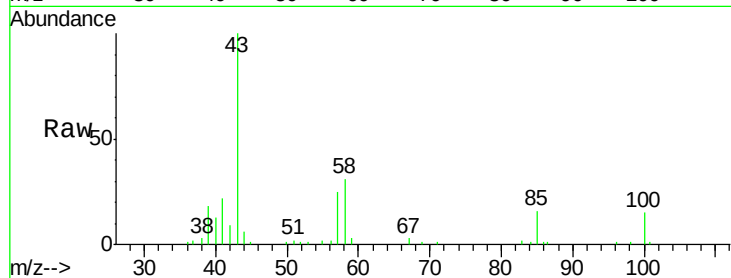
#51
4-Methyl-2-Pentanone
Concen: 21.109 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	51154
Ion Ratio	100	Lower	Upper
58	35.1	30.4	45.6

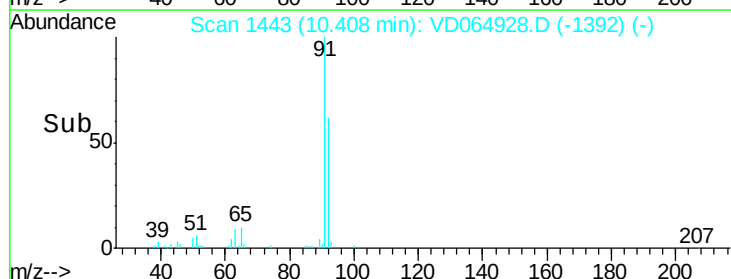
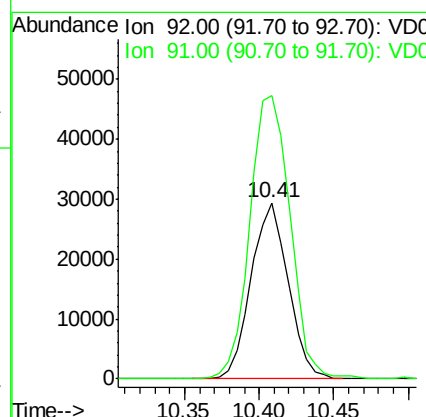
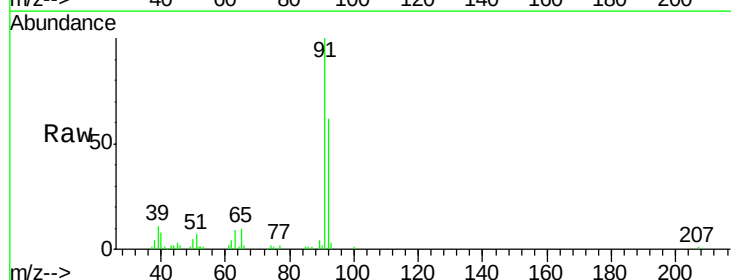
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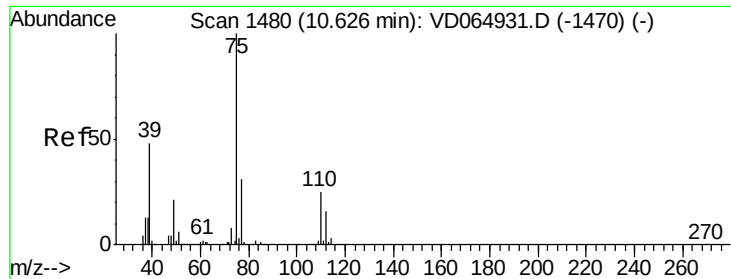
MMDadoda
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#52
Toluene
Concen: 4.507 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	92	Resp	50396
Ion Ratio	100	Lower	Upper
91	174.9	136.8	205.2





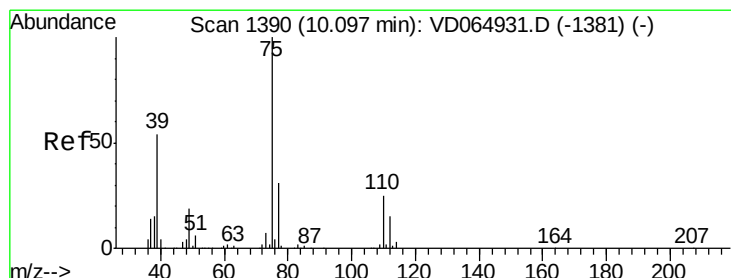
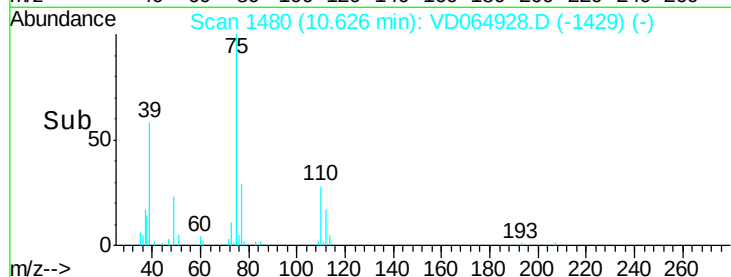
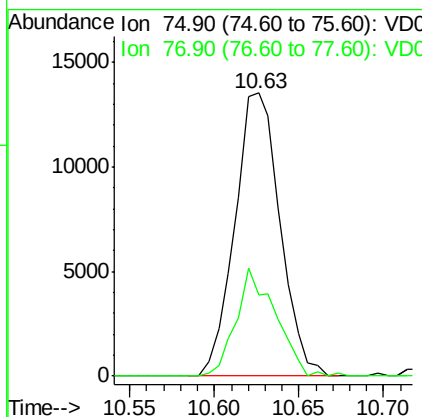
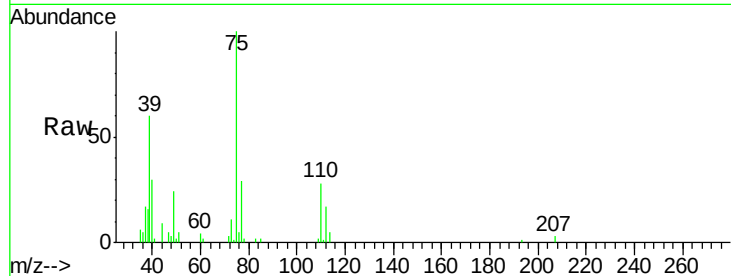
#53
t-1,3-Dichloropropene
Concen: 4.468 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 25191
Ion Ratio Lower Upper
75 100
77 28.7 25.0 37.6

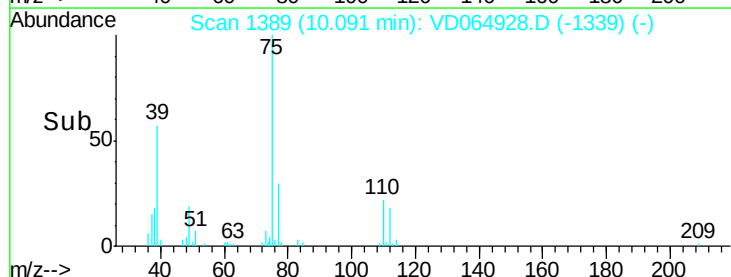
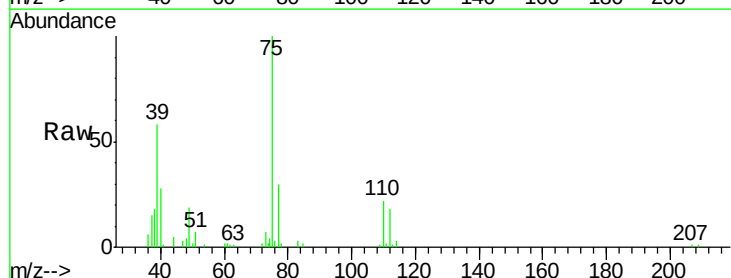
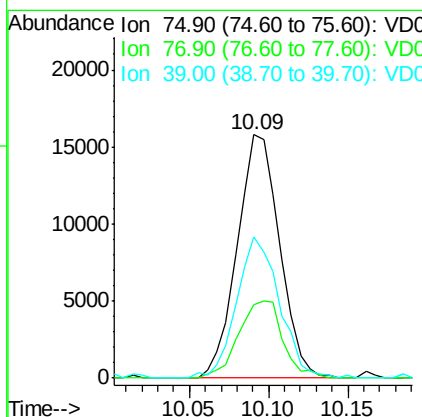
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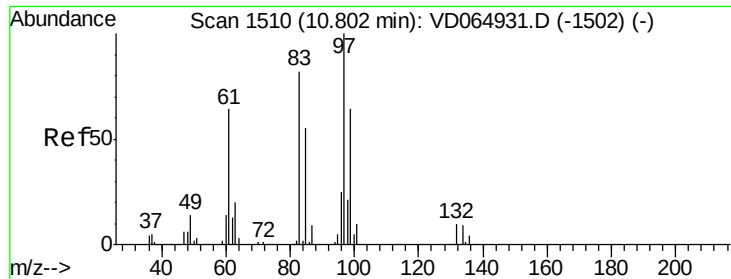
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.442 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 75 Resp: 29446
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7
39 58.0 43.0 64.6





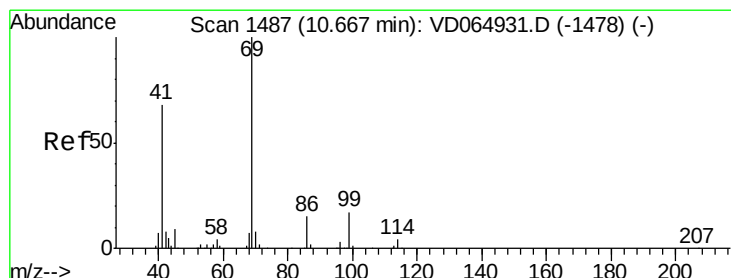
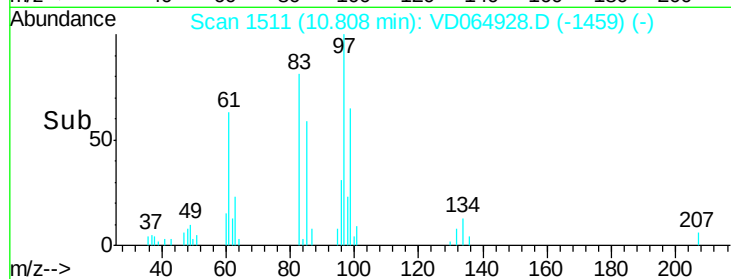
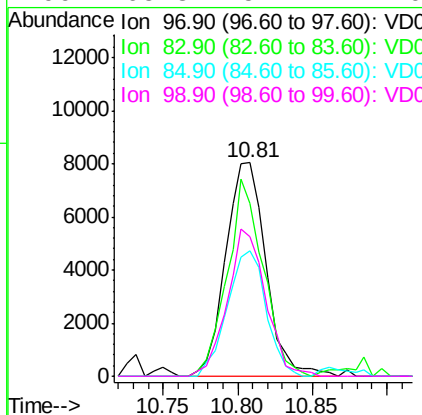
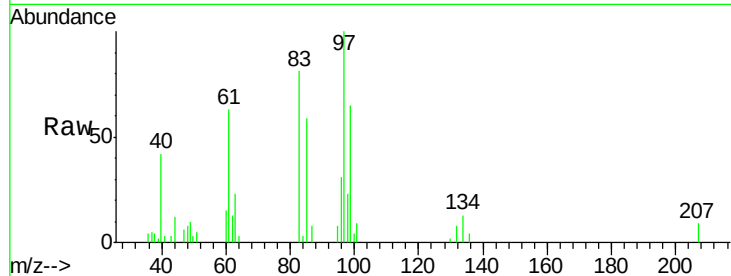
#55
 1,1,2-Trichloroethane
 Concen: 4.961 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	15179
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.0	99.0
85	58.7	44.4	66.6
99	65.3	51.4	77.0

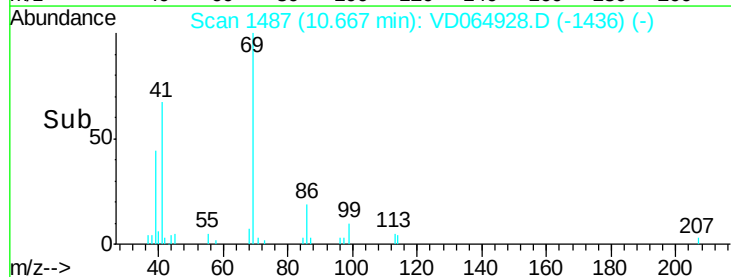
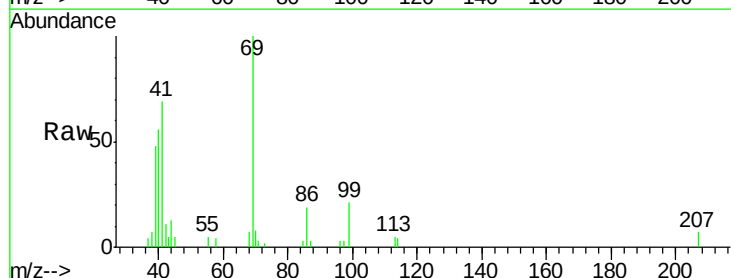
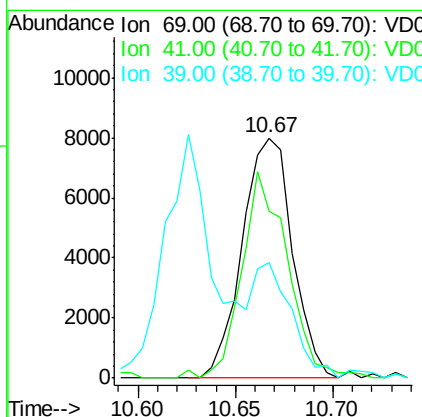
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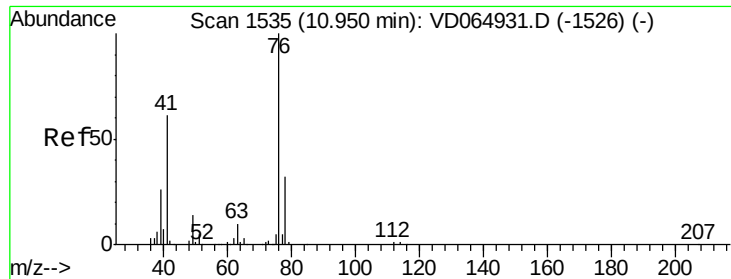
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 1/24/2020 4:01:41 PM



#56
 Ethyl methacrylate
 Concen: 3.733 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion:	69	Resp:	14230
Ion	Ratio	Lower	Upper
69	100		
41	78.6	56.4	84.6
39	35.7	30.6	46.0





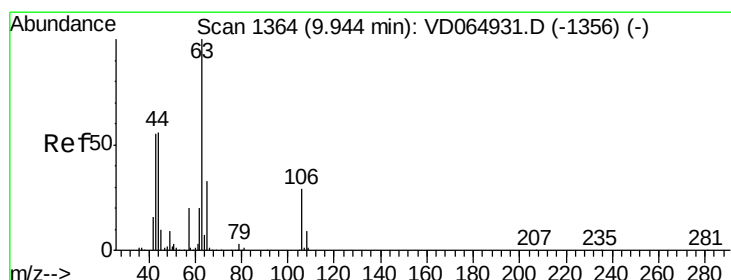
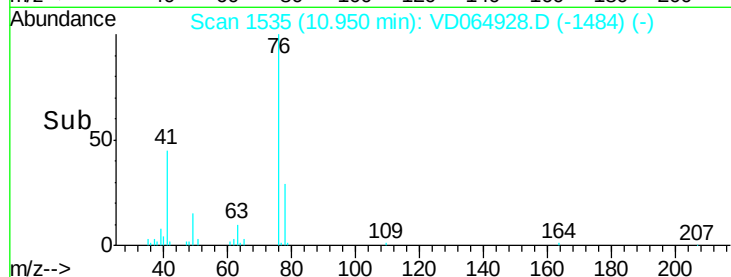
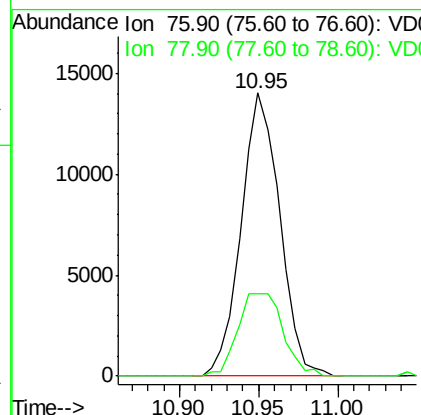
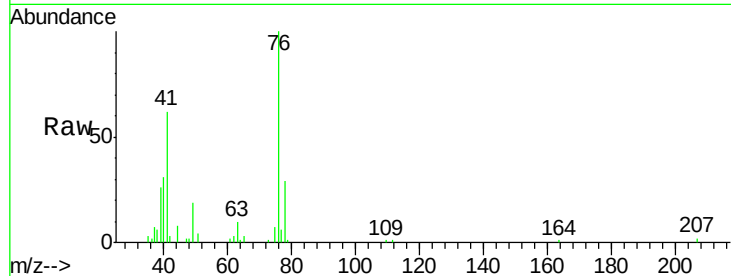
#57
 1,3-Dichloropropane
 Concen: 4.505 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.7	38.5

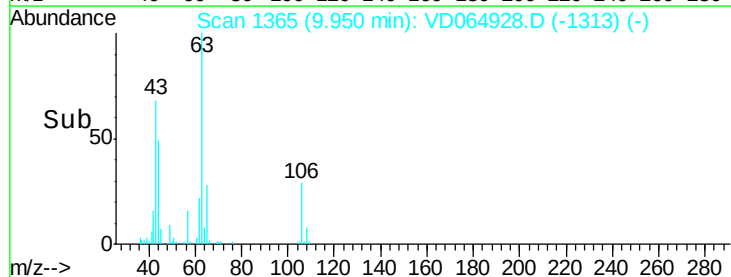
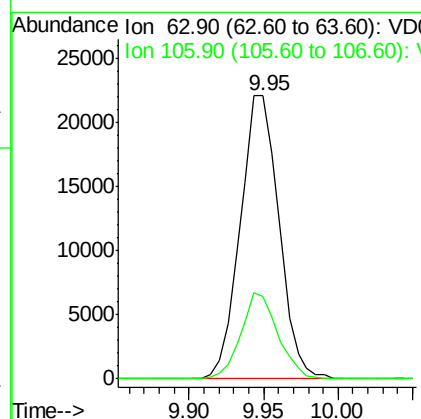
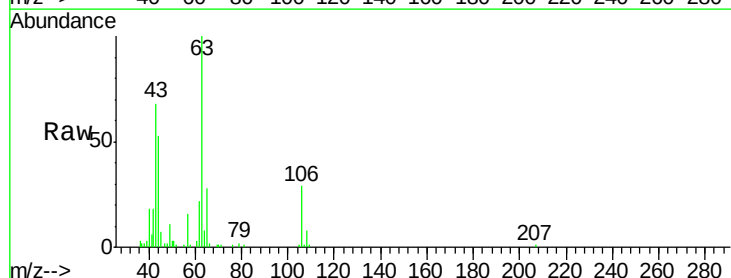
Manual Integrations
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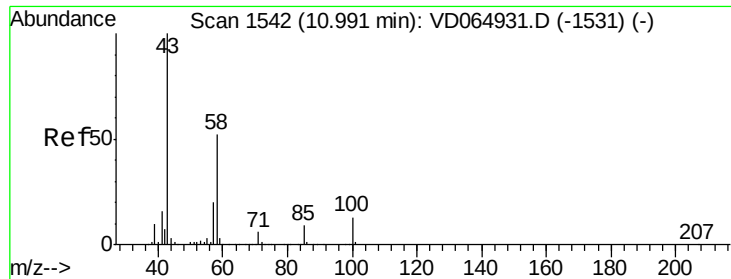
MMDadoda
 1/24/2020 4:01:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.163 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.4





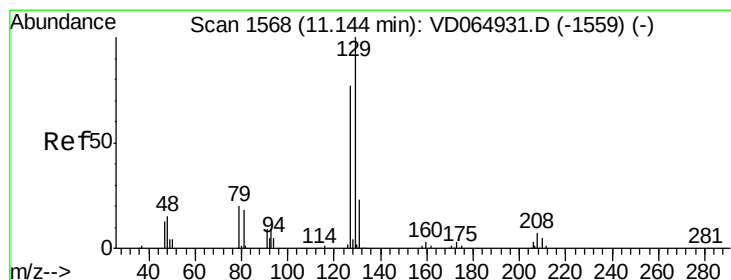
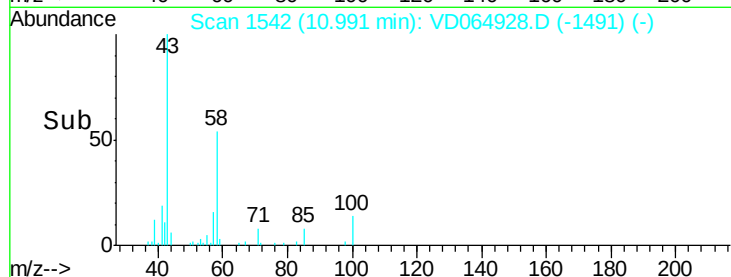
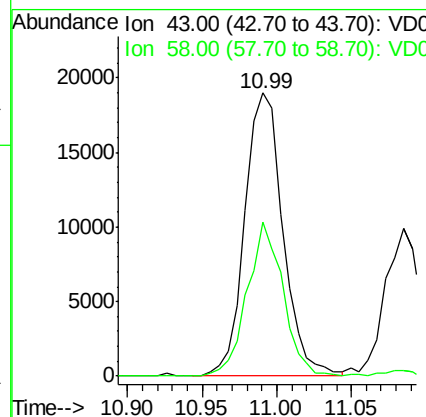
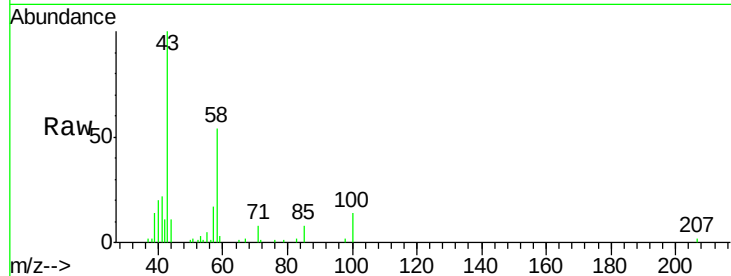
#59
2-Hexanone
Concen: 20.420 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 33667
Ion Ratio Lower Upper
43 100
58 50.9 26.5 79.4

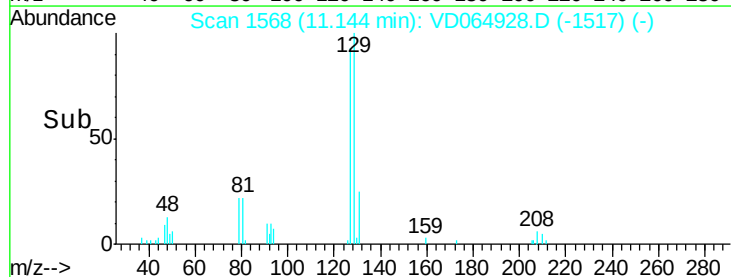
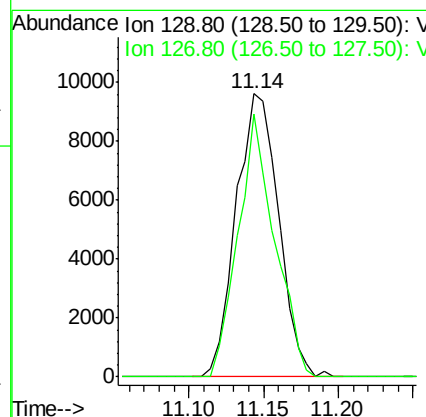
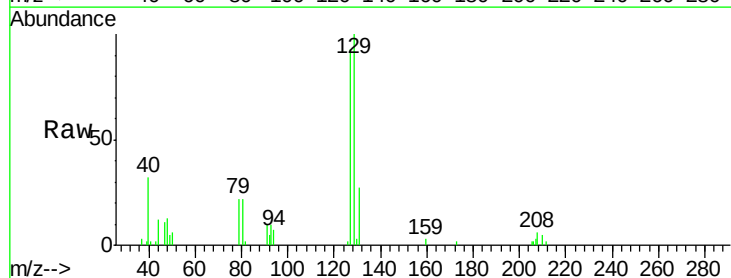
Manual Integrations
APPROVED

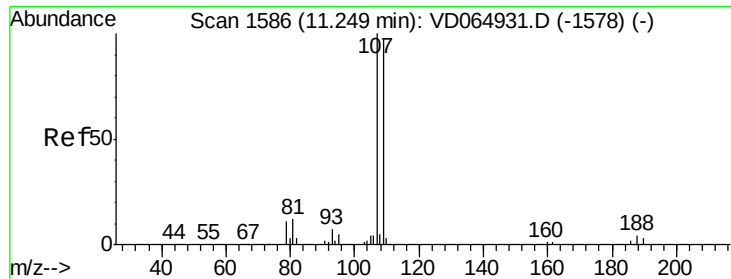
MMDadoda
1/24/2020 4:01:41 PM



#60
Dibromochloromethane
Concen: 4.512 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 129 Resp: 18962
Ion Ratio Lower Upper
129 100
127 80.4 38.2 114.6





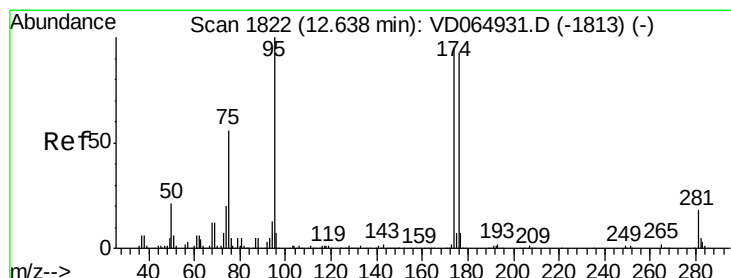
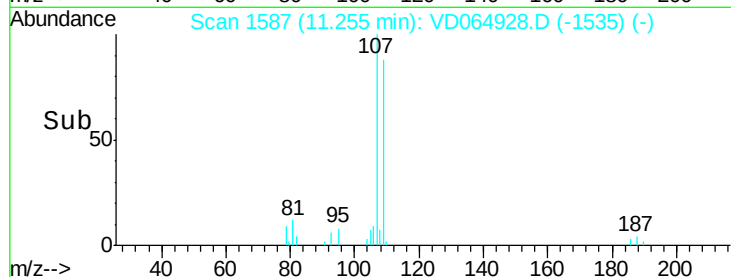
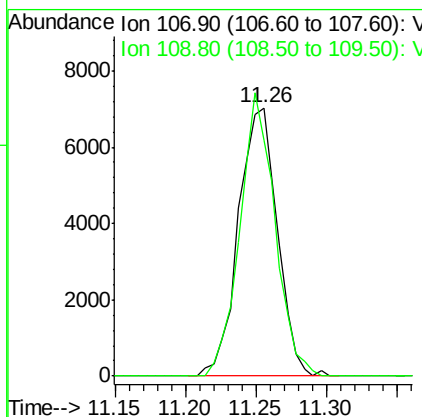
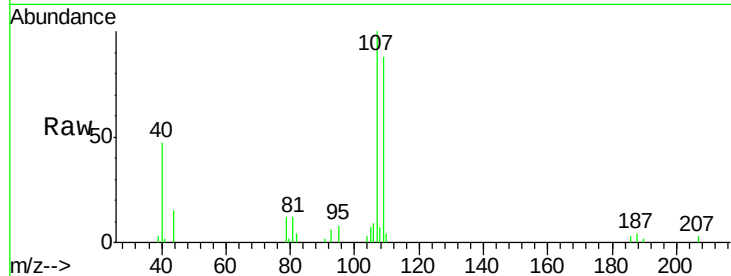
#61
 1,2-Dibromoethane
 Concen: 4.525 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 13577
 Ion Ratio Lower Upper
 107 100
 109 95.1 77.1 115.7

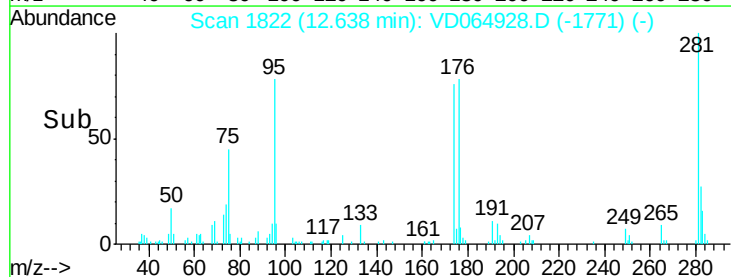
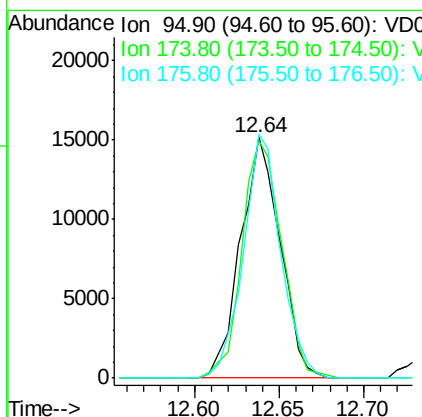
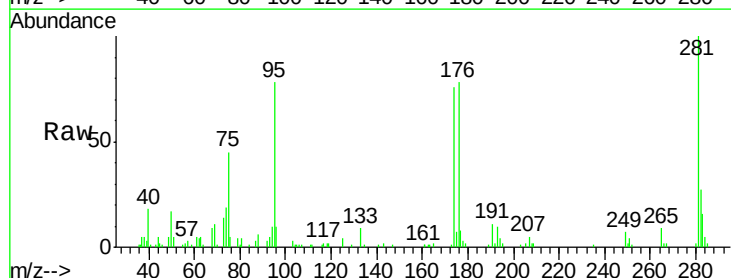
Manual Integrations
 APPROVED

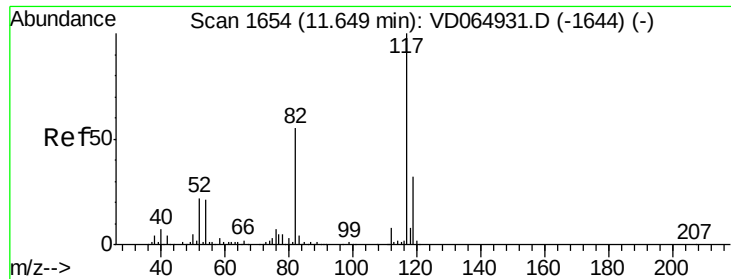
MMDadoda
 1/24/2020 4:01:41 PM



#62
 4-Bromofluorobenzene
 Concen: 5.118 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion: 95 Resp: 24782
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 186.8
 176 95.9 0.0 183.4





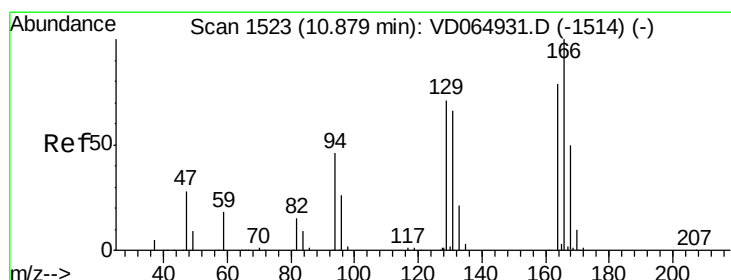
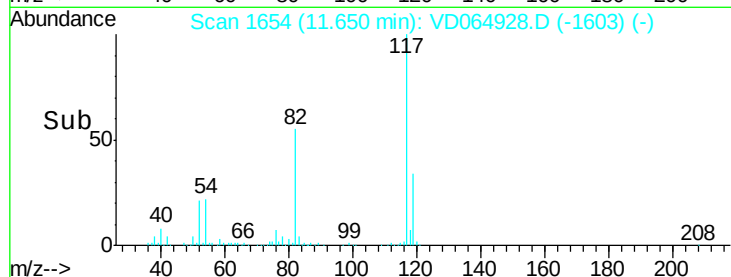
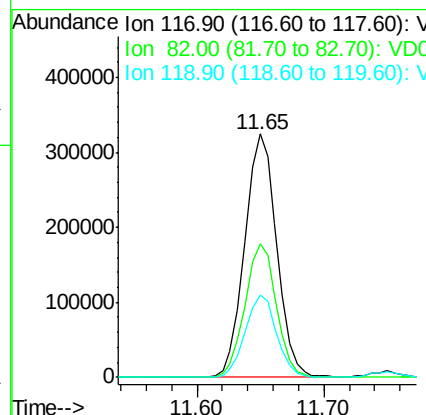
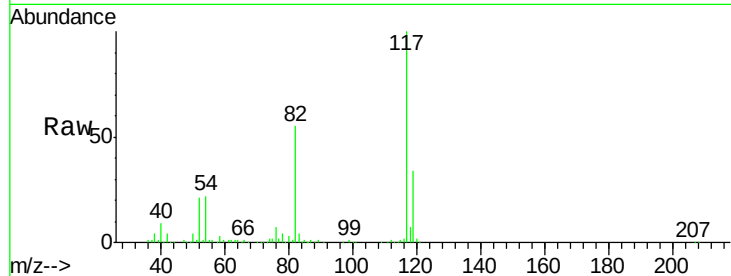
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.6	65.4
119	33.8	25.2	37.8

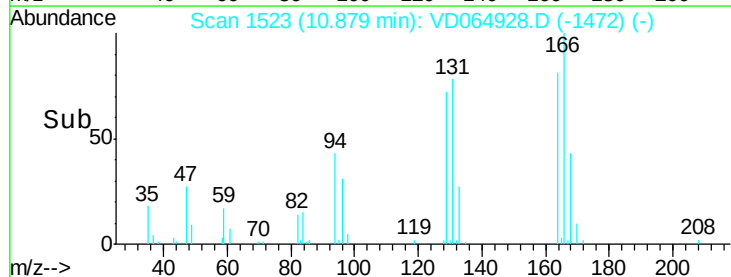
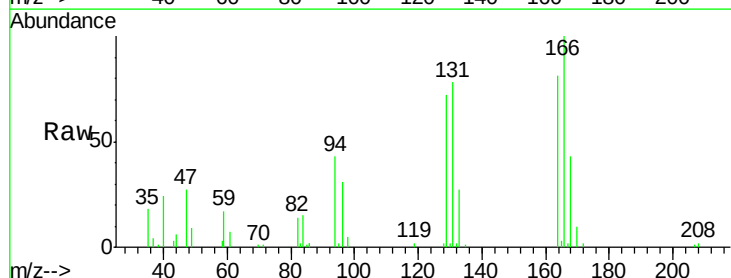
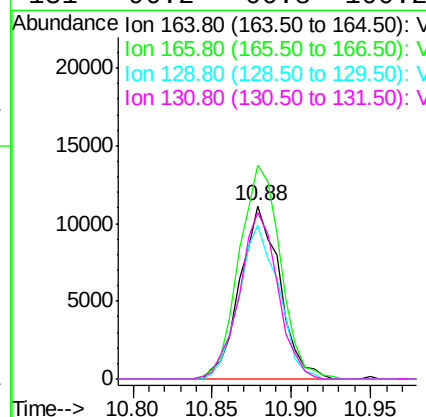
Manual Integrations
APPROVED

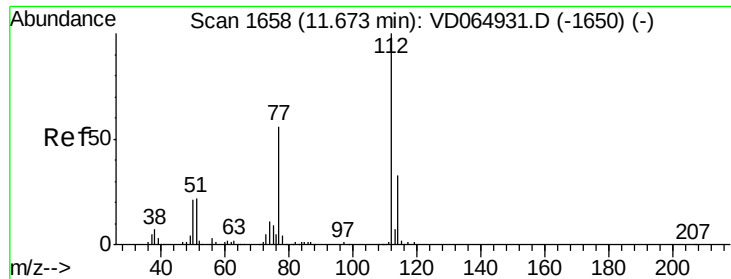
MMDadoda
1/24/2020 4:01:41 PM



#64
Tetrachloroethene
Concen: 4.497 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.4	152.2
129	88.7	71.8	107.8
131	96.2	66.8	100.2





#65

Chlorobenzene

Concen: 4.912 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 57098

Ion Ratio Lower Upper

112 100

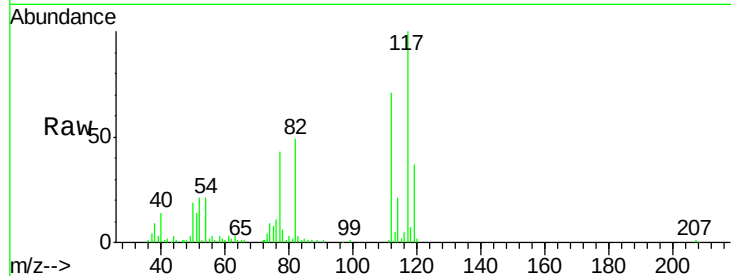
114 29.7 26.2 39.4

Manual Integrations

APPROVED

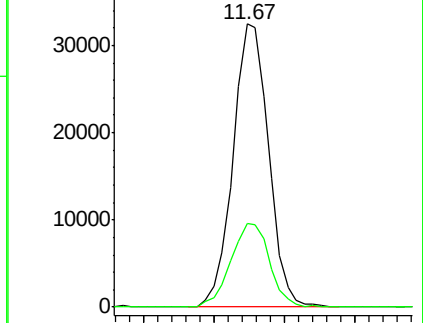
MMDadoda

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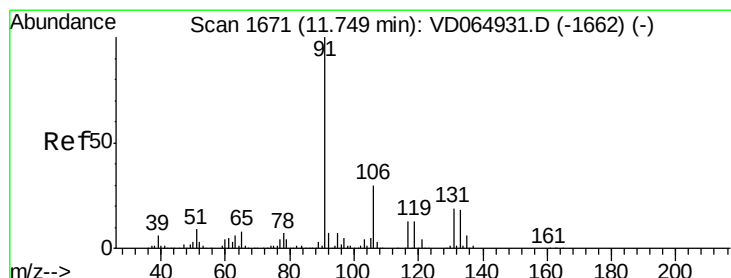
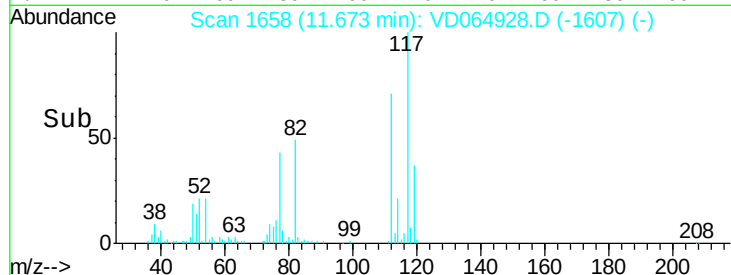


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 4.682 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

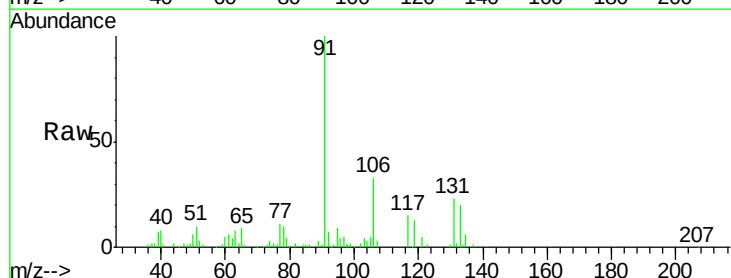
Tgt Ion:131 Resp: 20615

Ion Ratio Lower Upper

131 100

133 95.6 47.5 142.5

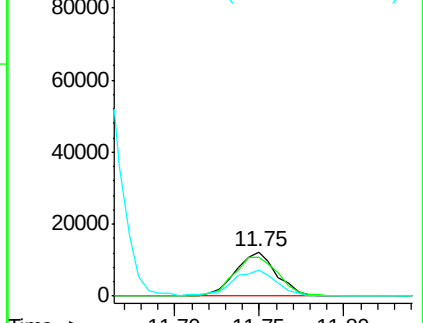
119 62.1 31.1 93.5



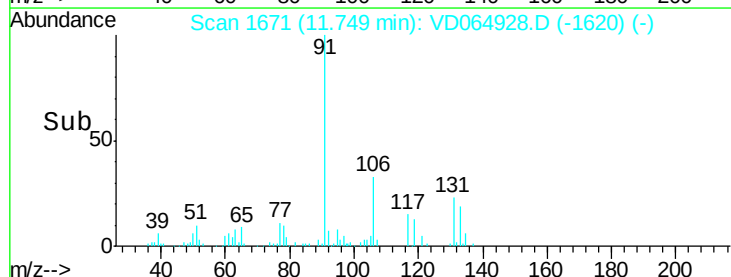
Abundance Ion 130.80 (130.50 to 131.50): V

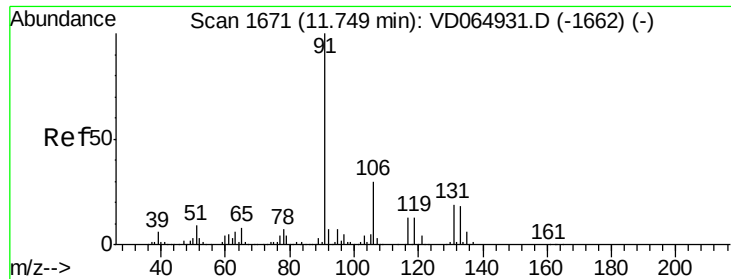
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





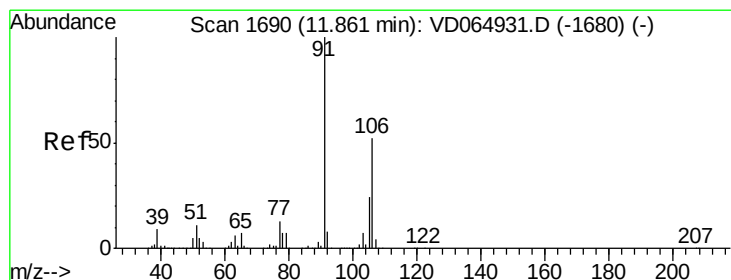
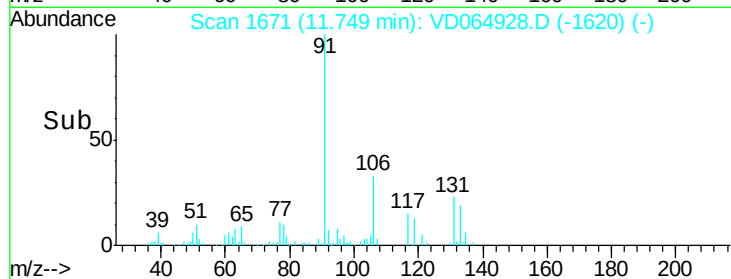
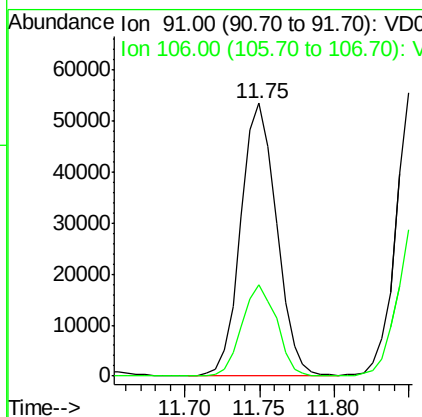
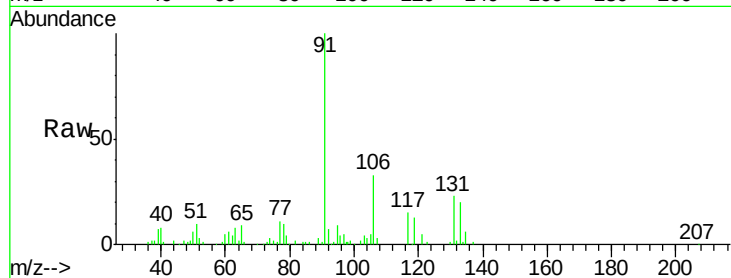
#67
Ethyl Benzene
Concen: 4.217 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	89425
Ion Ratio	Lower	Upper	
91	100		
106	33.3	24.3	36.5

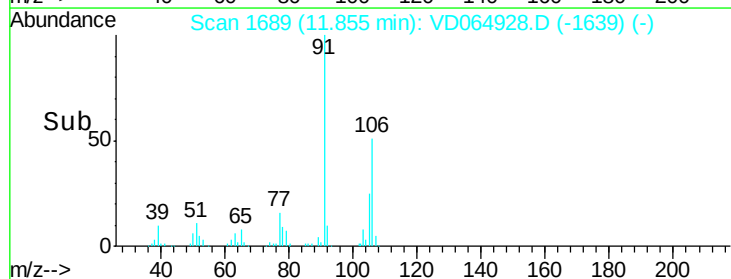
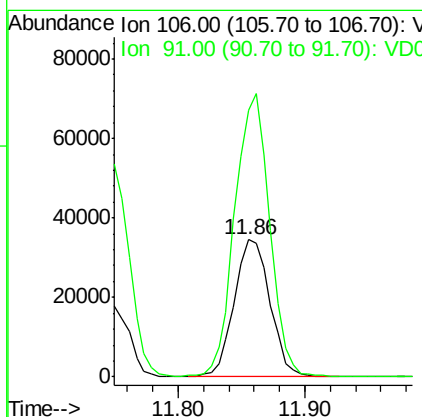
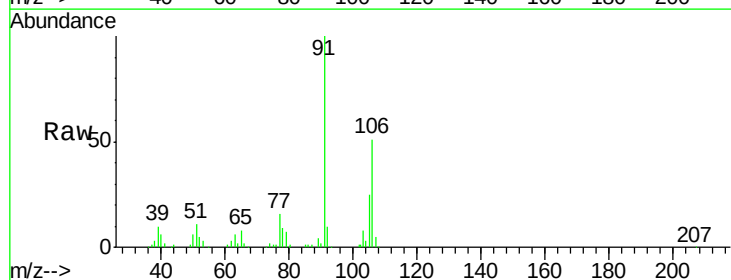
Manual Integrations
APPROVED

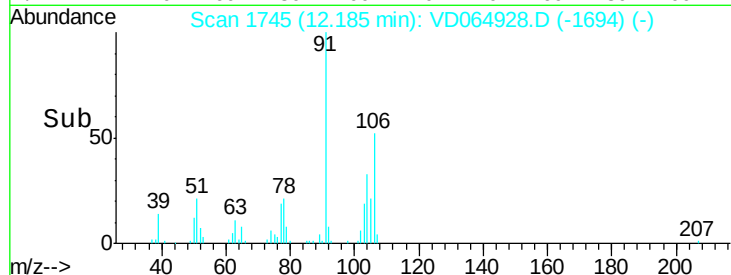
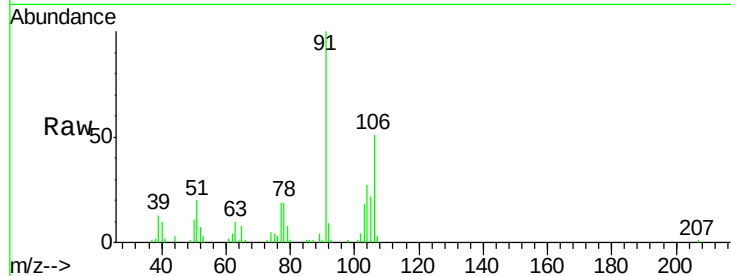
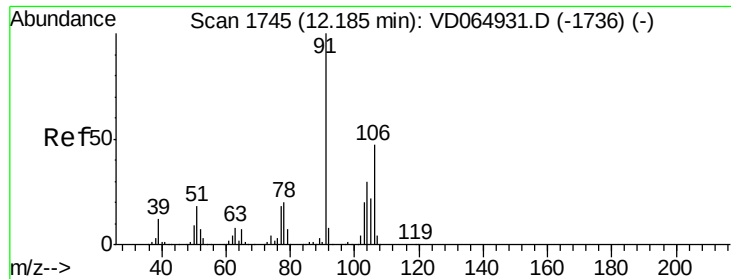
MMDadoda
1/24/2020 4:01:41 PM



#68
m/p-Xylenes
Concen: 8.294 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	106	Resp	67721
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	201.0	159.0	238.4





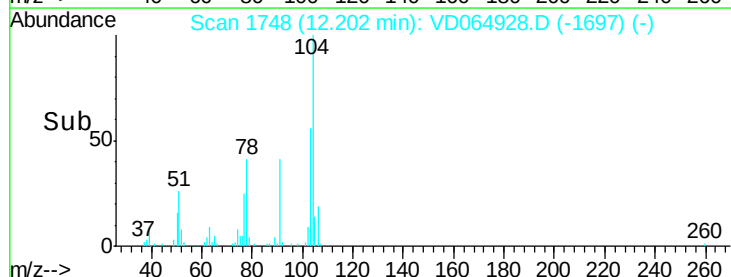
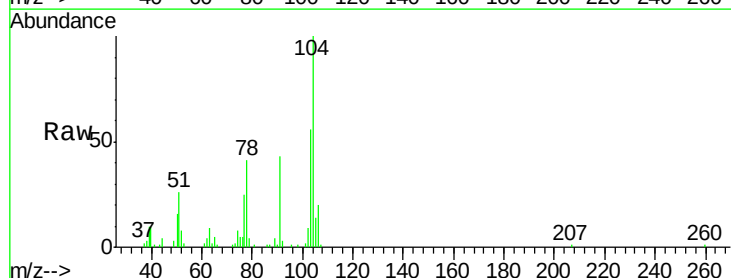
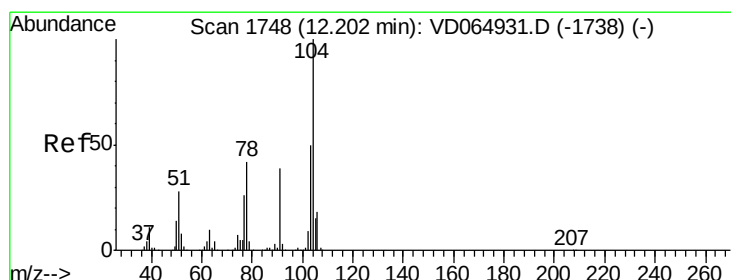
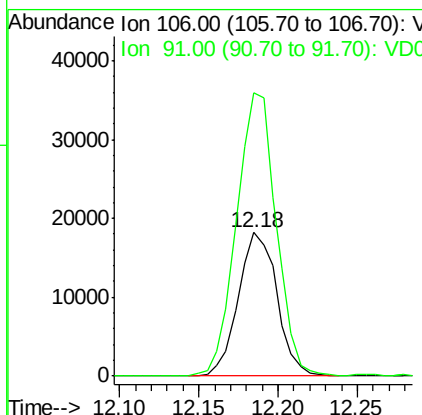
#69
o-Xylene
Concen: 4.189 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tot Ion:106 Resp: 30835
Ion Ratio Lower Upper
106 100
91 202.5 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

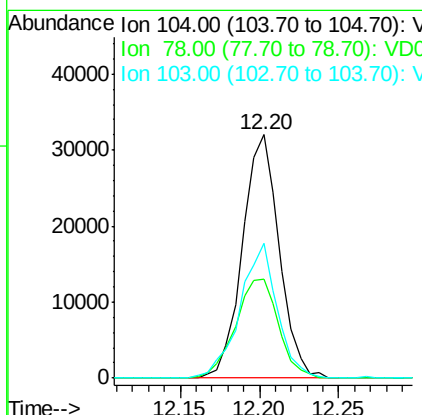
Manual Integrations
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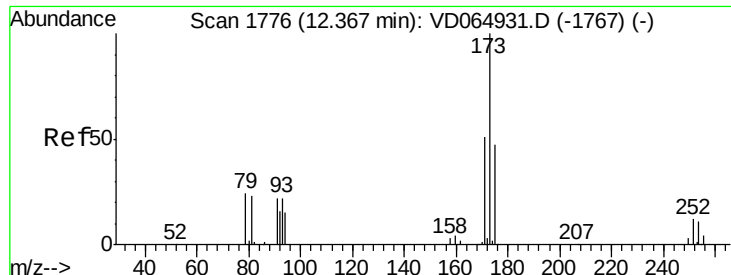
MMDadoda
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#70
Styrene
Concen: 3.965 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion:104 Resp: 51524
Ion Ratio Lower Upper
104 100
78 47.3 38.3 57.5
103 56.0 43.5 65.3





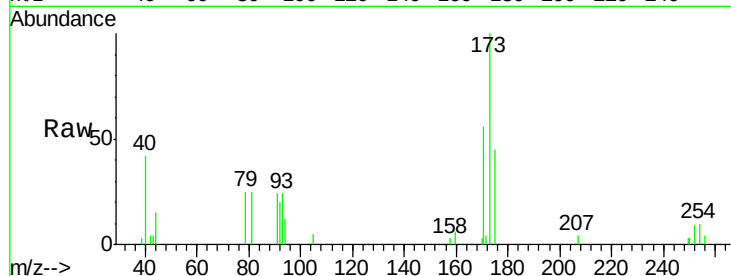
#71
Bromoform
Concen: 4.519 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

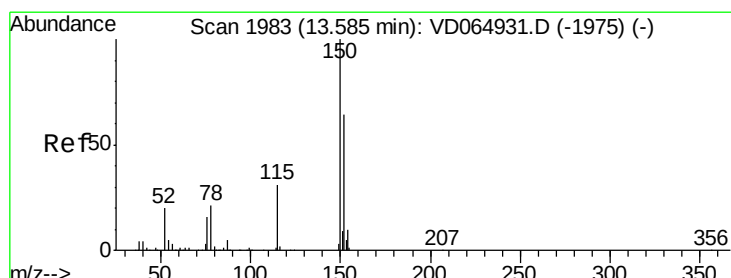
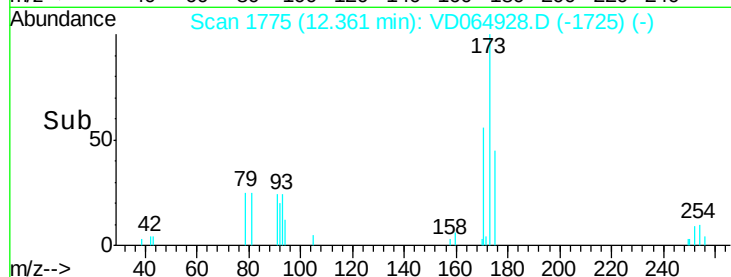
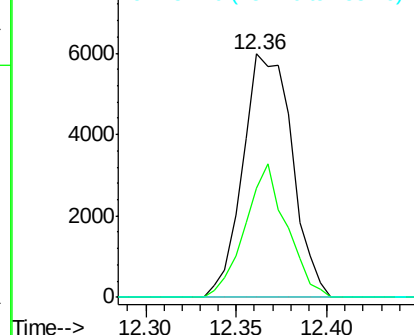
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.6	73.8
254	0.0	0.1	0.1#

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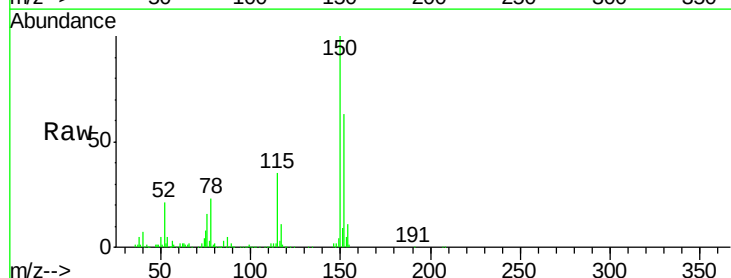


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

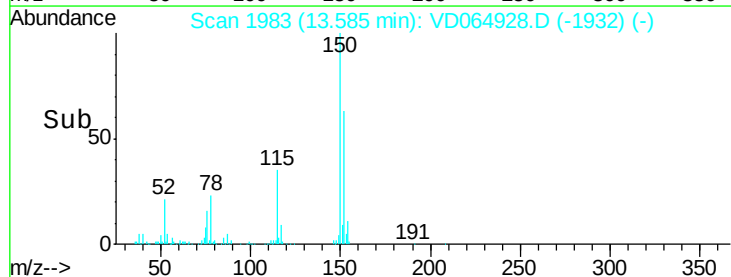
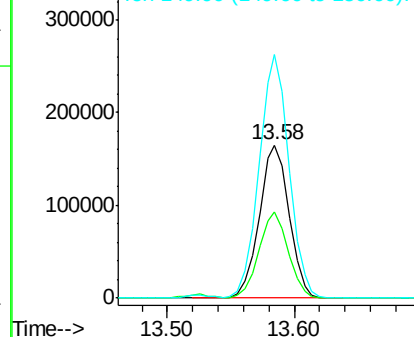


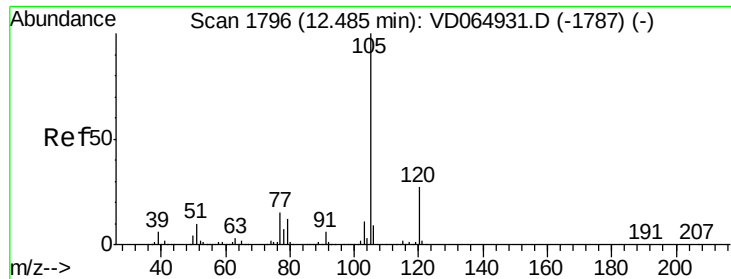
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.1	84.4
150	159.4	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: 4.165 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 79760

Ion Ratio Lower Upper

105 100

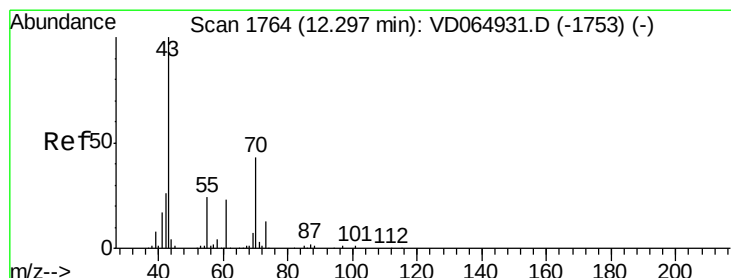
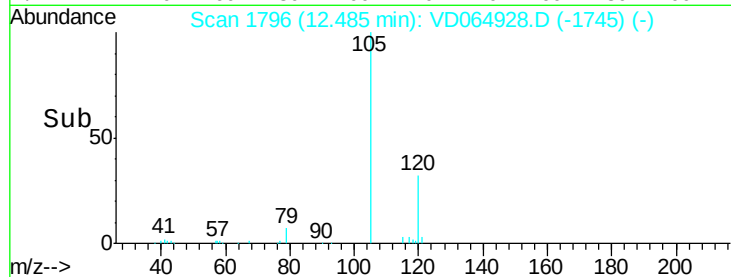
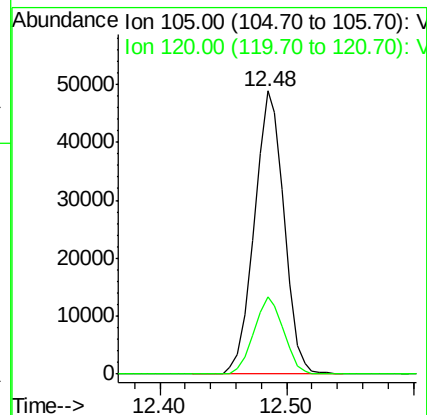
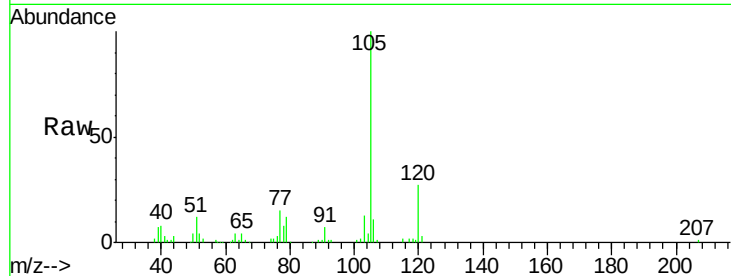
120 27.1 13.3 39.8

Manual Integrations

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1/24/2020 4:01:41 PM



#74

N-ethyl acetate

Concen: 4.325 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion: 43 Resp: 17753

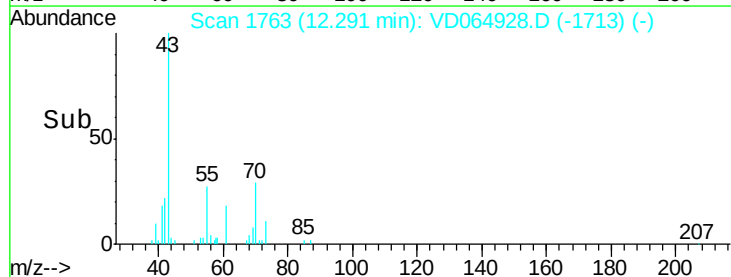
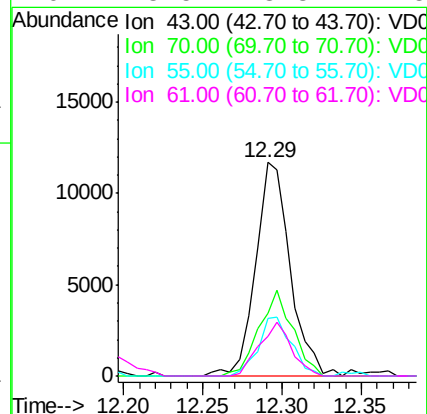
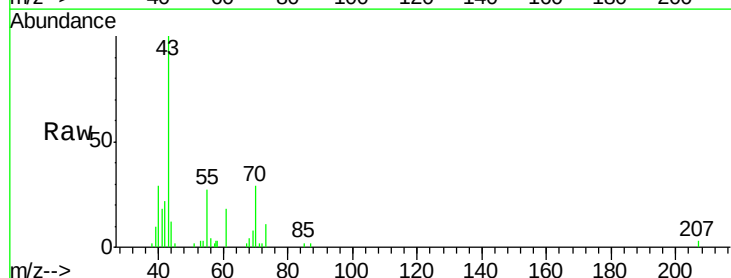
Ion Ratio Lower Upper

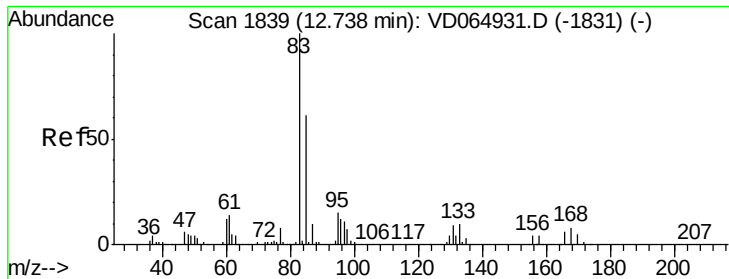
43 100

70 39.2 32.6 49.0

55 26.3 19.9 29.9

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.015 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

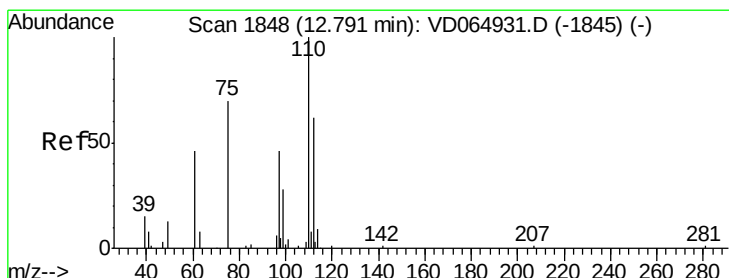
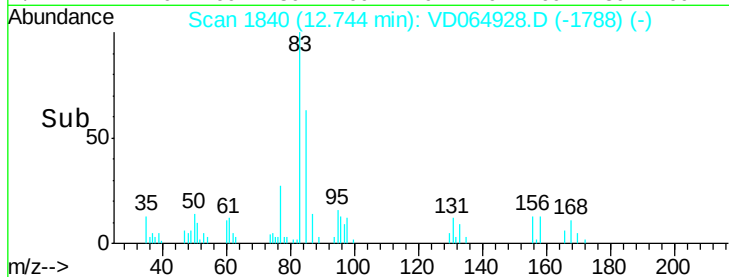
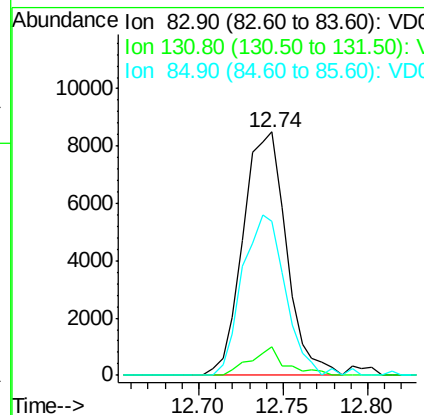
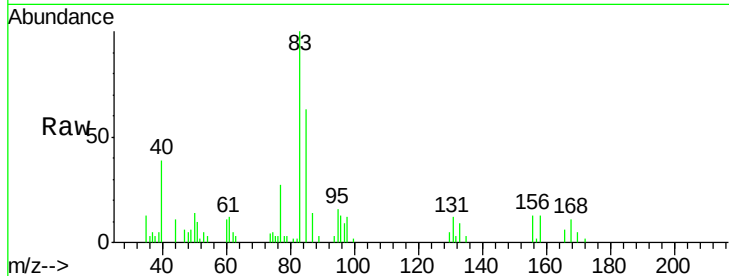
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15185
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.5	16.4
85	65.7	31.6	94.7

Manual Integrations
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1/24/2020 4:01:41 PM



#76

1,2,3-Trichloropropane

Concen: 4.590 ug/l m

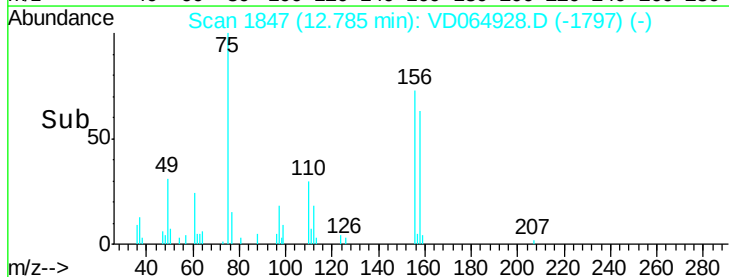
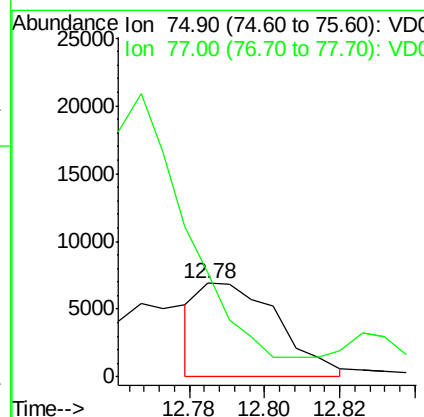
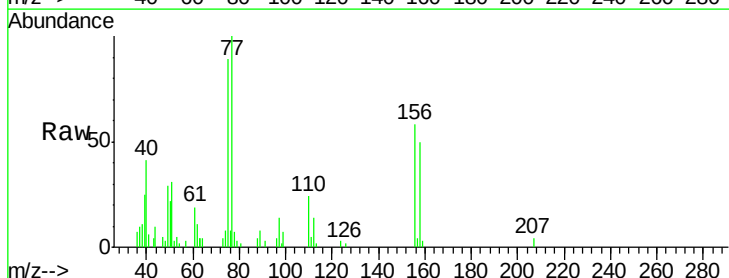
RT: 12.78 min Scan# 1847

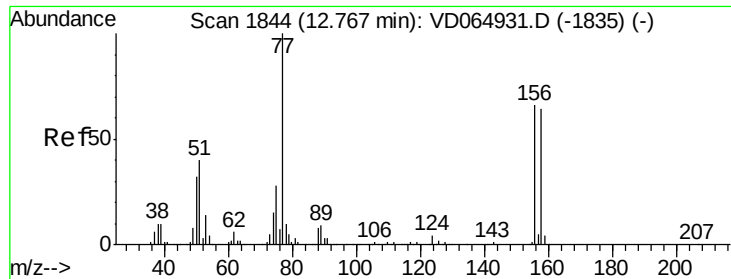
Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	75	Resp:	10200
Ion Ratio	Lower	Upper	
75	100		
77	364.5	0.0	0.0#





#77

Bromobenzene

Concen: 4.556 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 21379

Ion Ratio Lower Upper

156 100

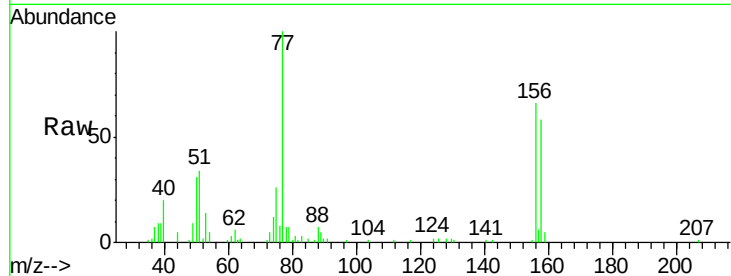
77 173.9 84.2 252.5

158 97.1 48.1 144.4

Manual Integrations
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MMDadoda

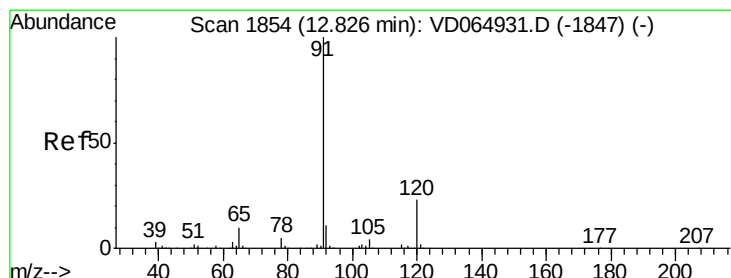
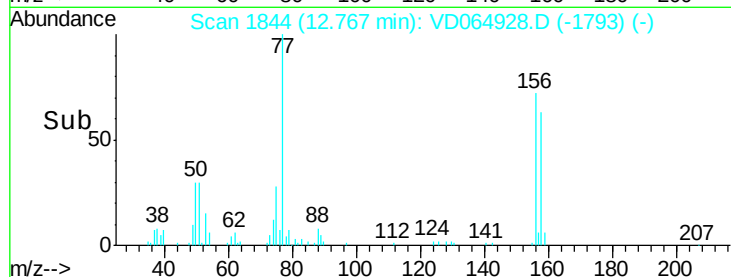
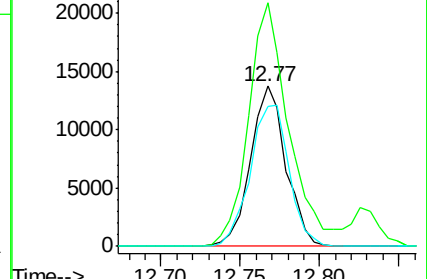
1/24/2020 4:01:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.360 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064928.D

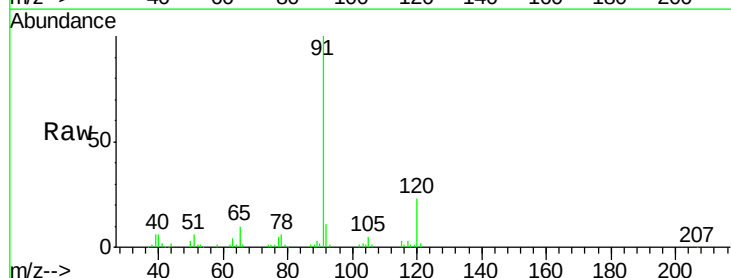
Acq: 23 Jan 2020 10:58

Tgt Ion: 91 Resp: 97727

Ion Ratio Lower Upper

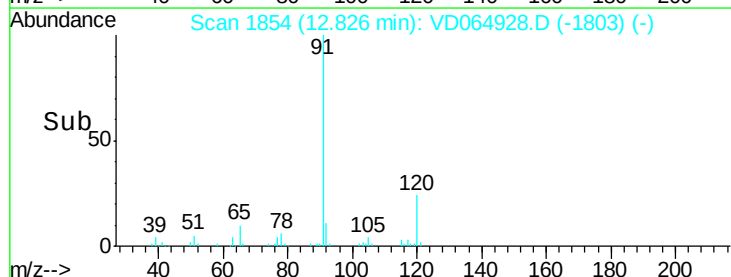
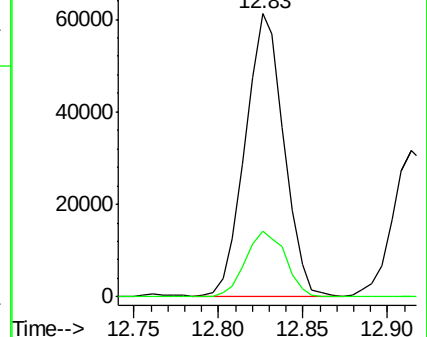
91 100

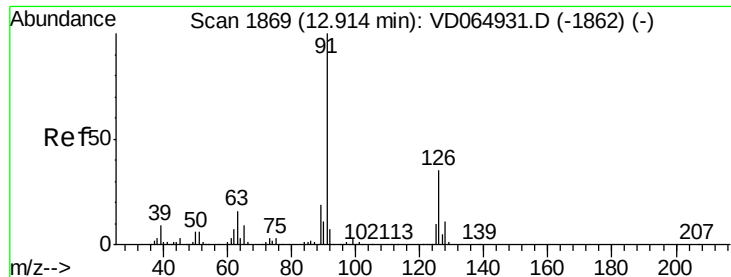
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.390 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 54033

Ion Ratio Lower Upper

91 100

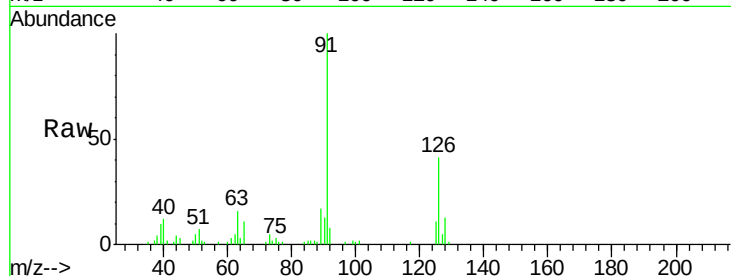
126 35.3 17.9 53.8

Manual Integrations

APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)

60000

50000

40000

30000

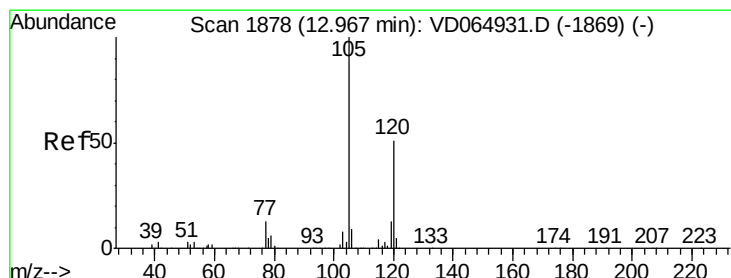
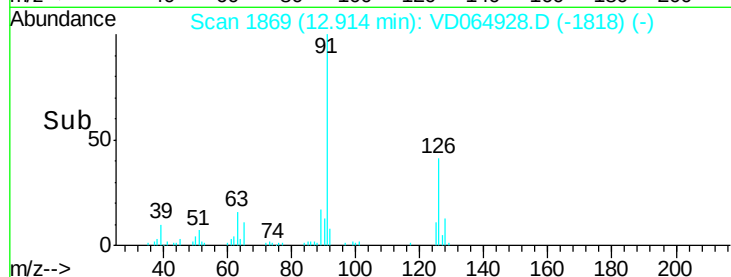
20000

10000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.105 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064928.D

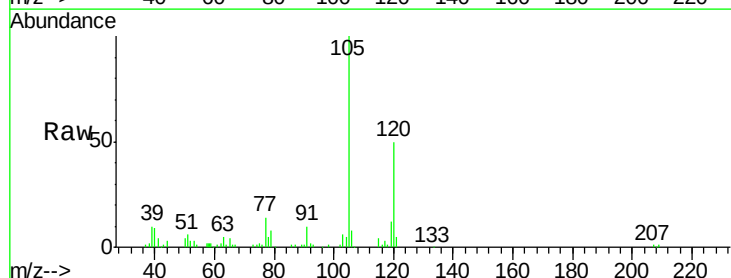
Acq: 23 Jan 2020 10:58

Tgt Ion: 105 Resp: 64402

Ion Ratio Lower Upper

105 100

120 50.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)

50000

40000

30000

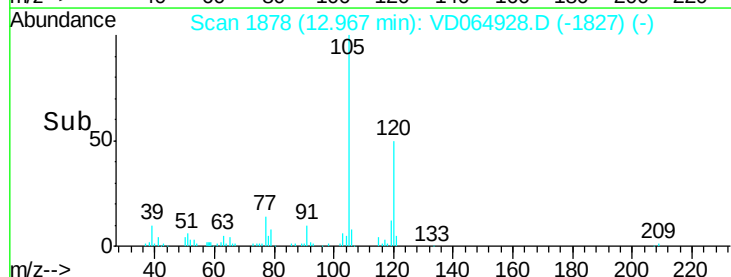
20000

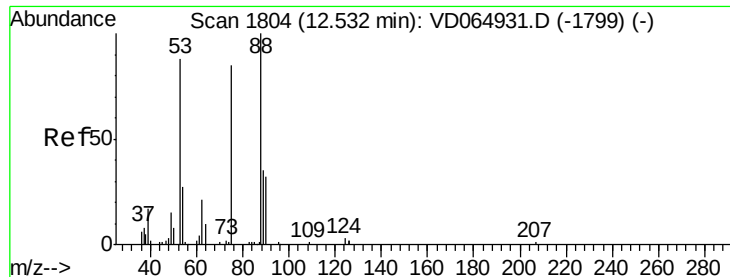
10000

0

12.90 12.95 13.00

Time-->





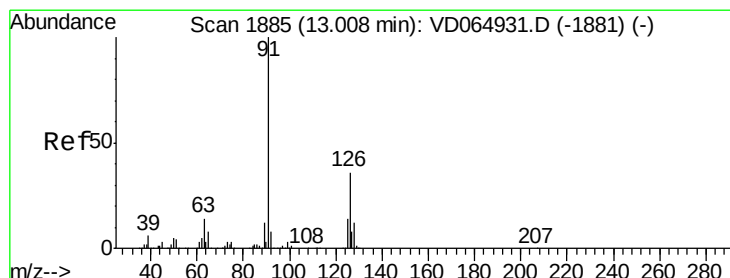
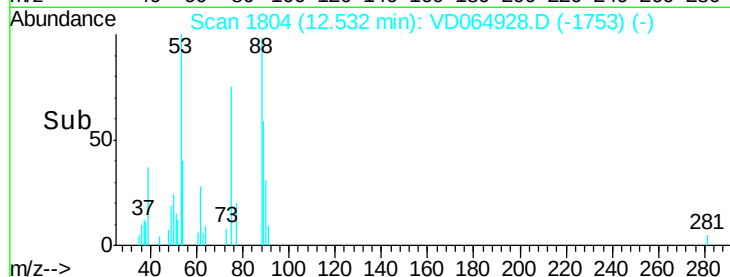
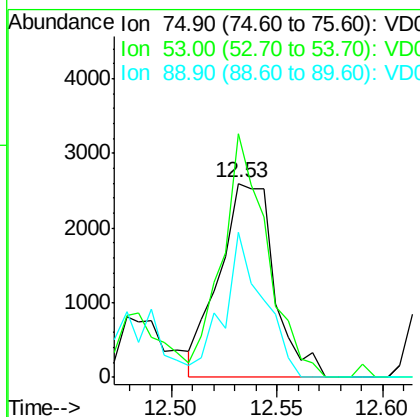
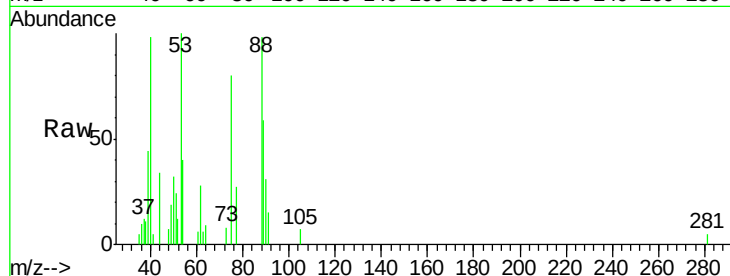
#81
trans-1,4-Dichloro-2-butene
Concen: 4.583 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	81.0	121.4
89	53.6	36.2	54.4

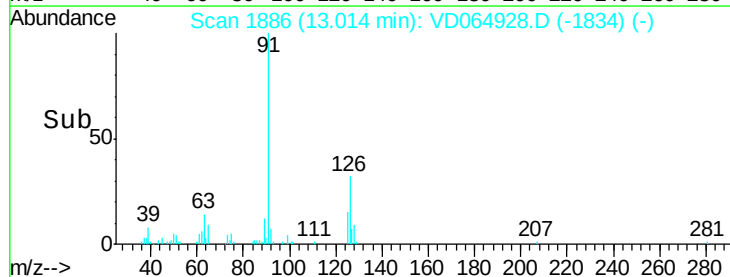
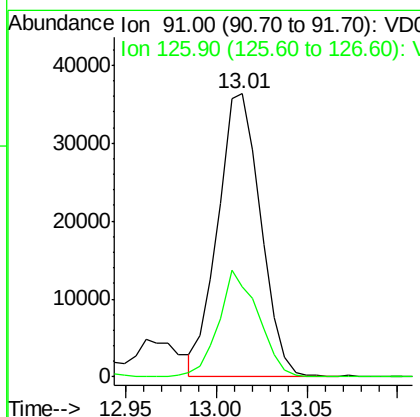
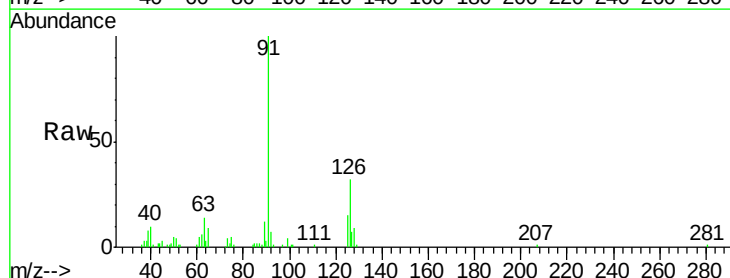
Manual Integrations
APPROVED

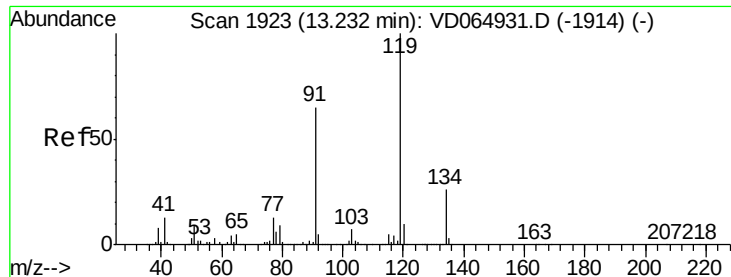
MMDadoda
1/24/2020 4:01:41 PM



#82
4-Chlorotoluene
Concen: 4.578 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	18.0	54.0





#83

tert-Butylbenzene

Concen: 4.037 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

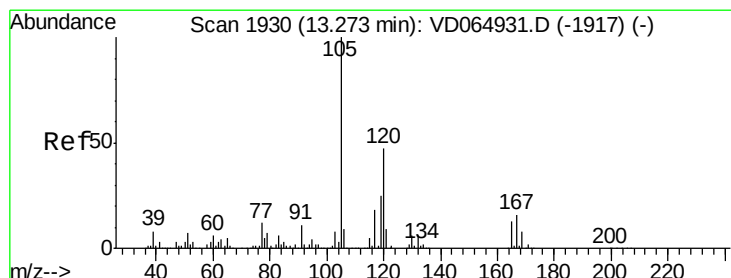
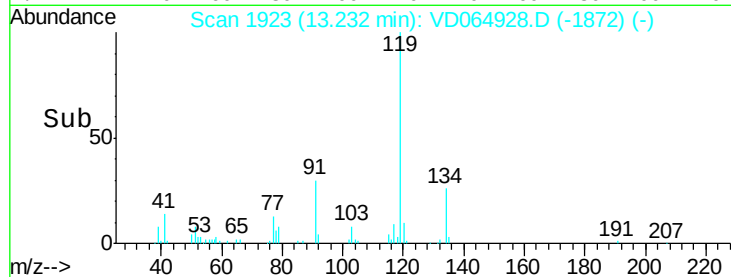
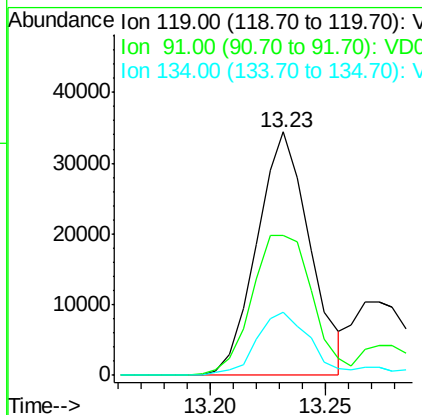
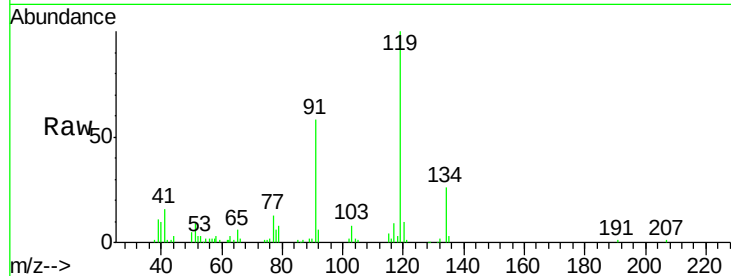
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	54916
Ion Ratio	Lower	Upper	
119	100		
91	66.2	32.0	96.0
134	26.2	13.9	41.6

Manual Integrations
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1/24/2020 4:01:41 PM



#84

1,2,4-Trimethylbenzene

Concen: 4.068 ug/l

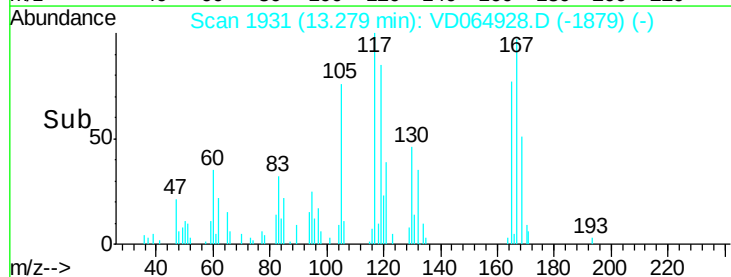
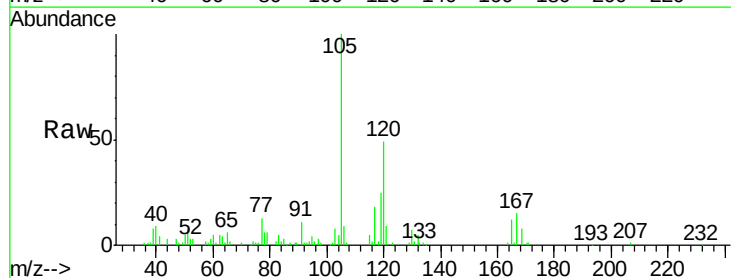
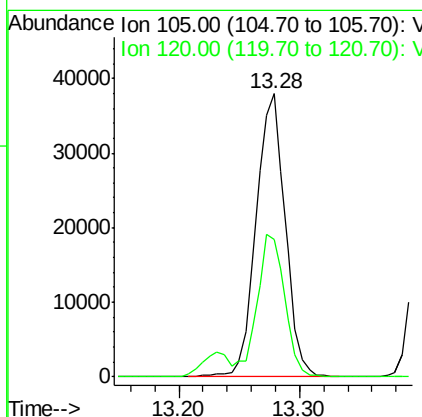
RT: 13.28 min Scan# 1931

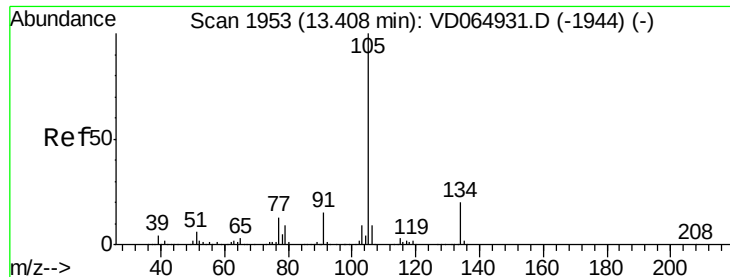
Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	105	Resp:	63799
Ion Ratio	Lower	Upper	
105	100		
120	48.1	23.1	69.3





#85

sec-Butylbenzene

Concen: 4.412 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 82497

Ion Ratio Lower Upper

105 100

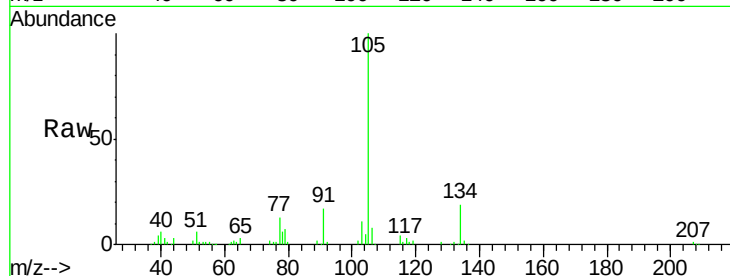
134 19.9 10.4 31.4

Manual Integrations

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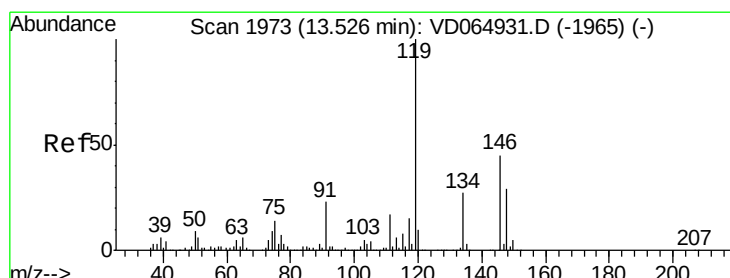
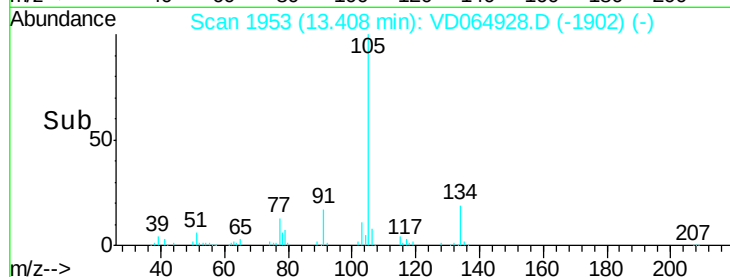
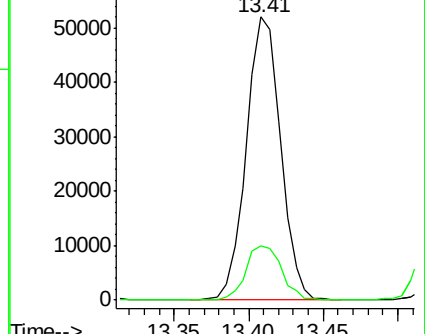
MMDadoda

1/24/2020 4:01:41 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.983 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

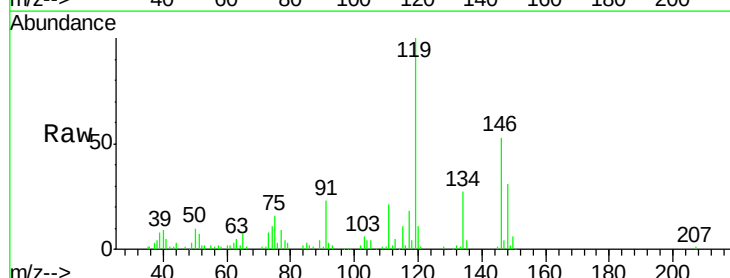
Tgt Ion:119 Resp: 71121

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

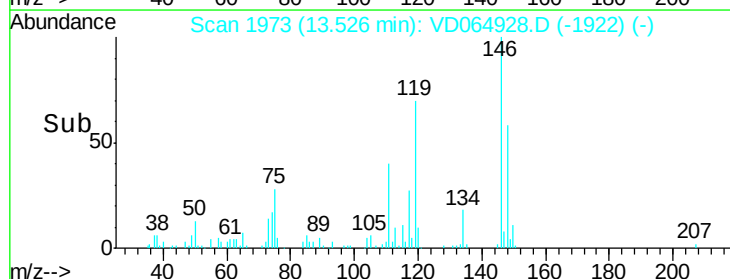
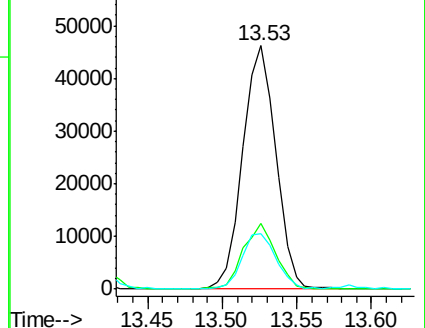
91 23.6 11.4 34.2

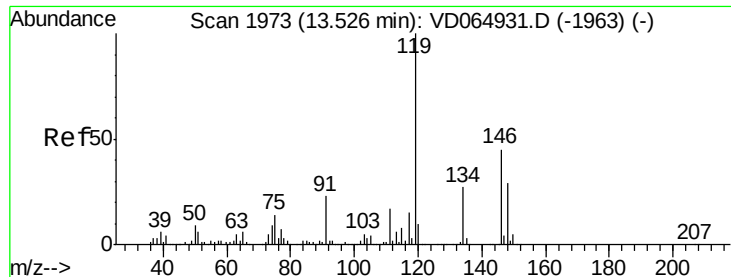


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





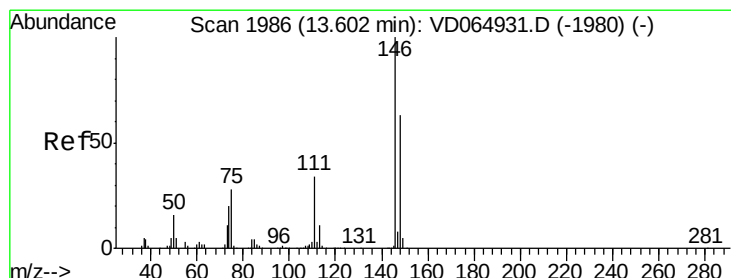
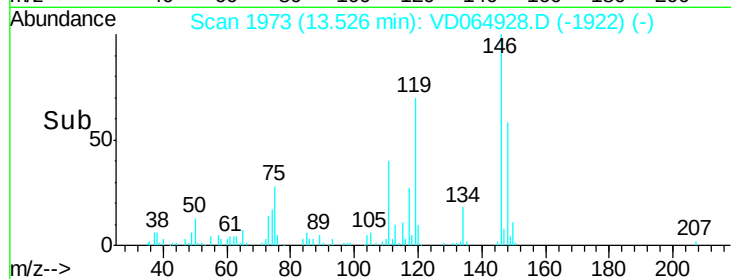
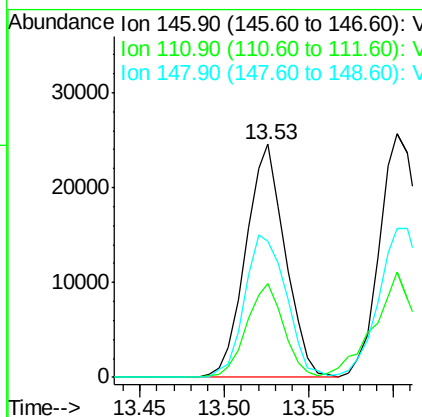
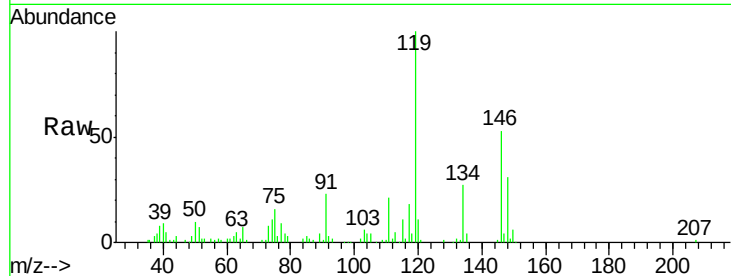
#87
1,3-Dichlorobenzene
Concen: 4.460 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.6	32.6	97.7

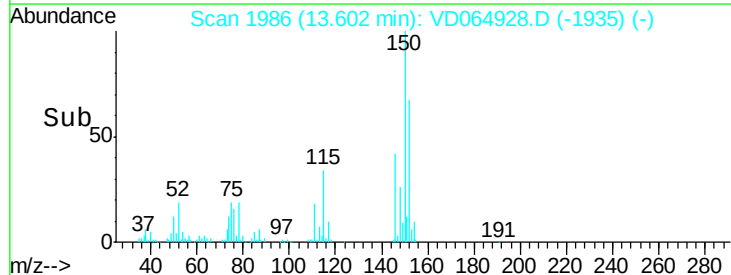
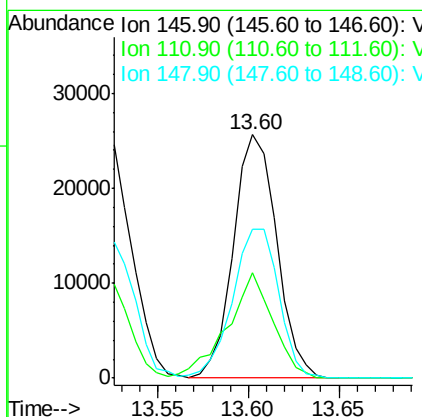
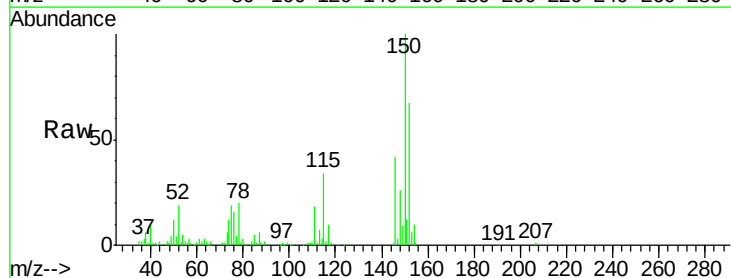
Manual Integrations
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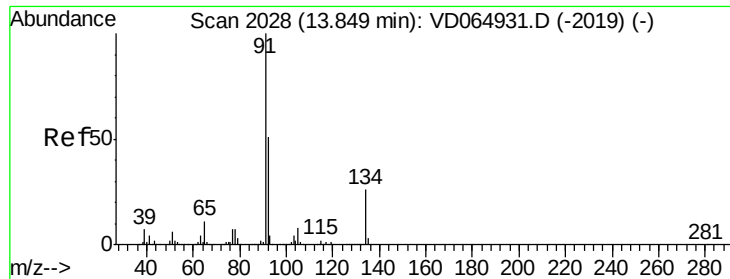
MMDadoda
1/24/2020 4:01:41 PM



#88
1,4-Dichlorobenzene
Concen: 4.858 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	18.2	54.6
148	65.8	32.0	96.0





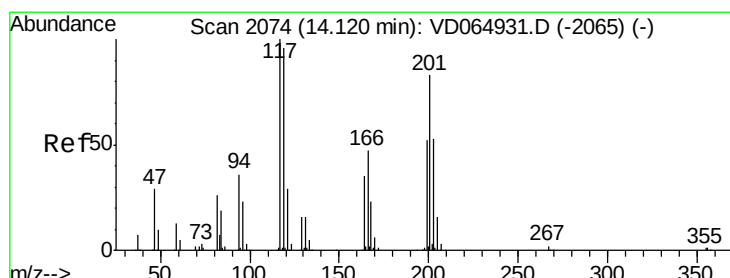
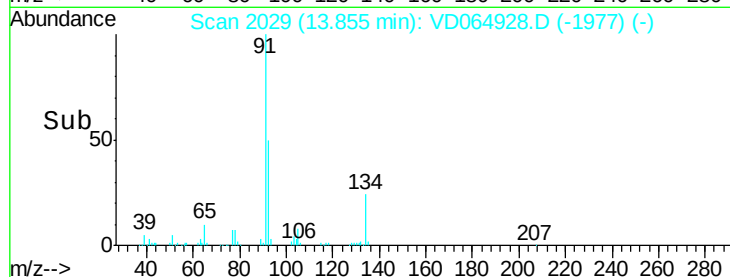
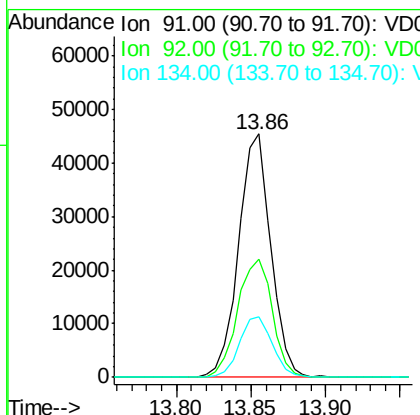
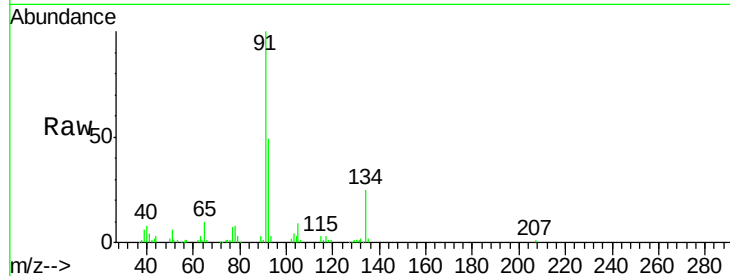
#89
n-Butylbenzene
Concen: 4.210 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	25.6	13.3	39.9

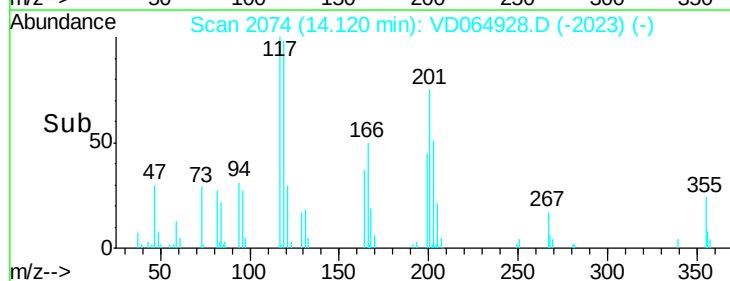
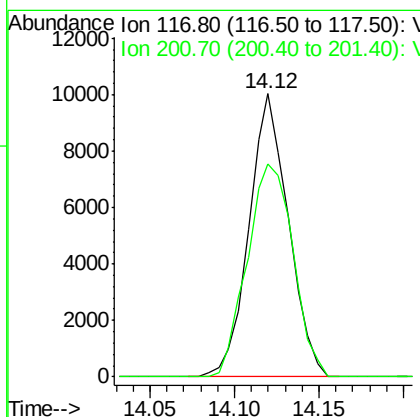
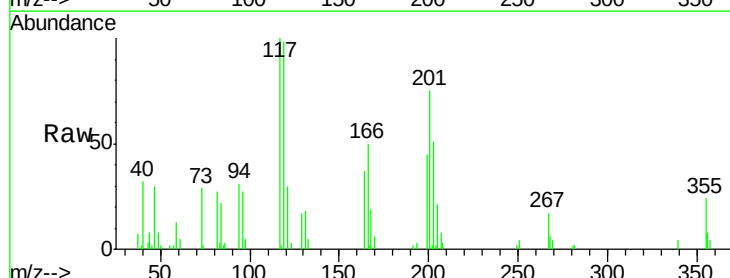
Manual Integrations
APPROVED

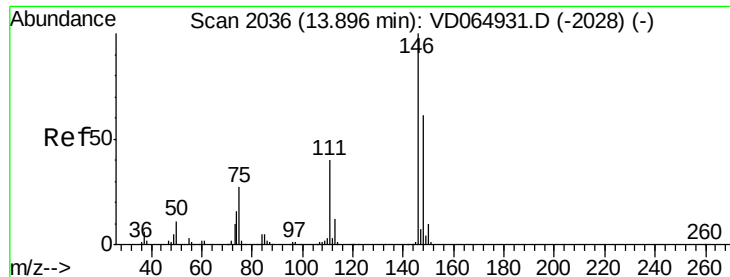
MMDadoda
1/24/2020 4:01:41 PM



#90
Hexachloroethane
Concen: 4.769 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	41.1	123.3





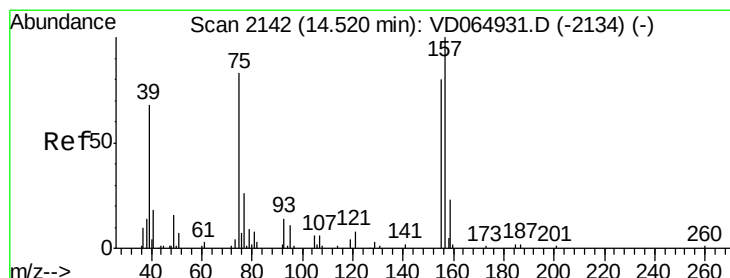
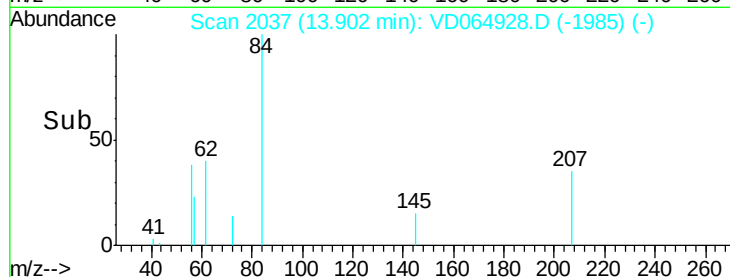
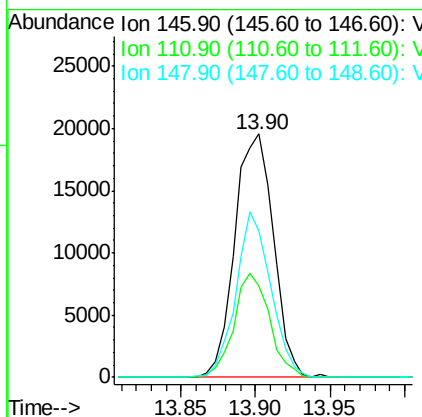
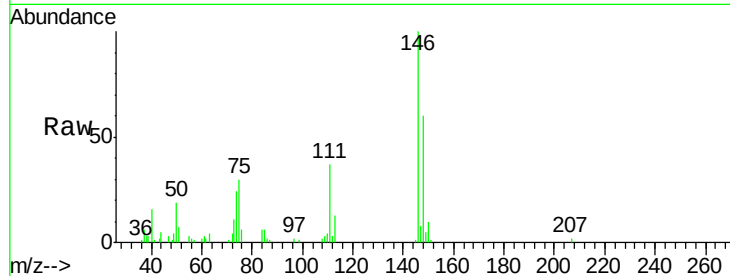
#91
 1,2-Dichlorobenzene
 Concen: 4.609 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	61.2	31.6	95.0

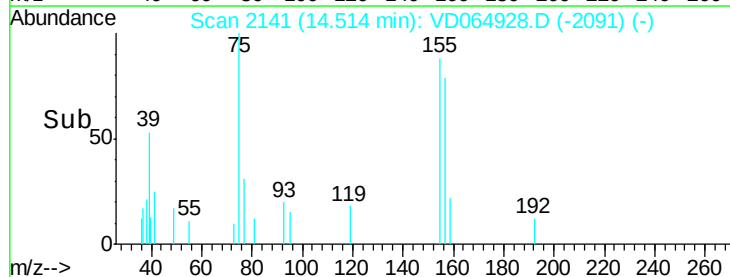
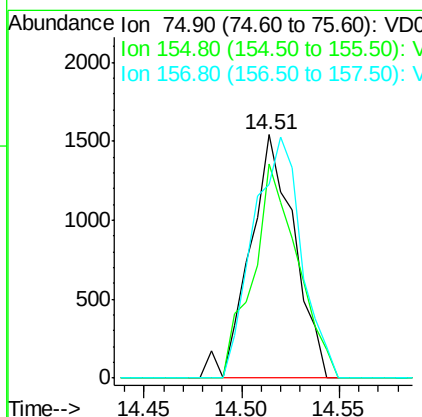
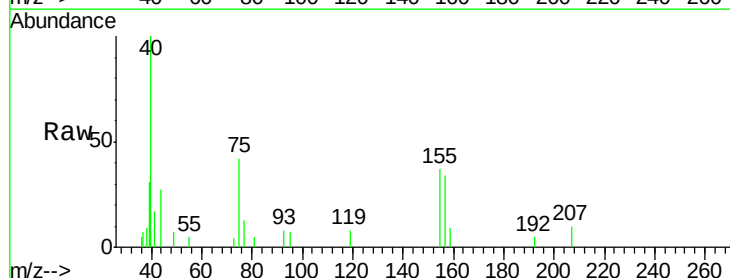
Manual Integrations
 APPROVED

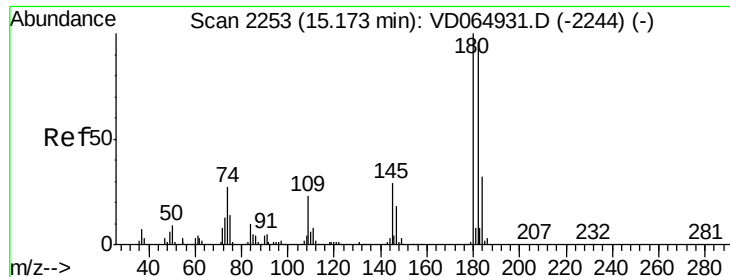
MMDadoda
 1/24/2020 4:01:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.953 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	44.9	134.7
157	107.9	58.9	176.6





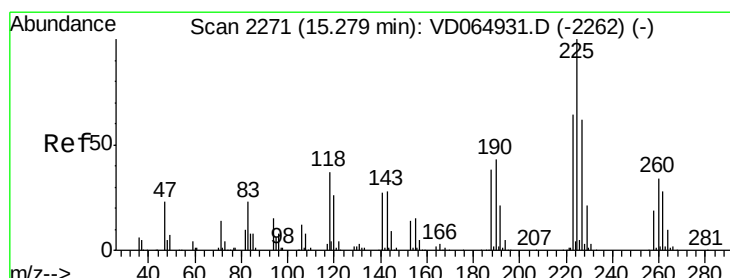
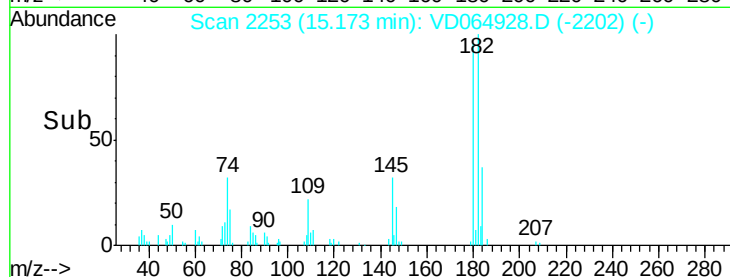
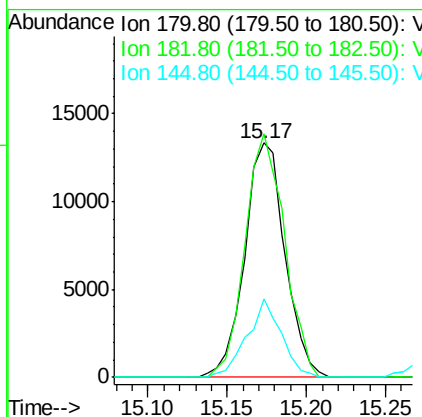
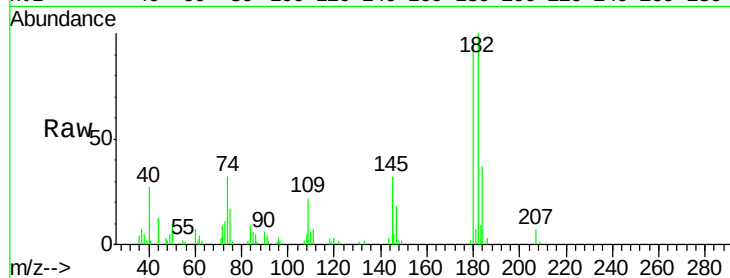
#93
 1,2,4-Trichlorobenzene
 Concen: 4.247 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.7	47.1	141.4	
145	28.5	14.1	42.3	

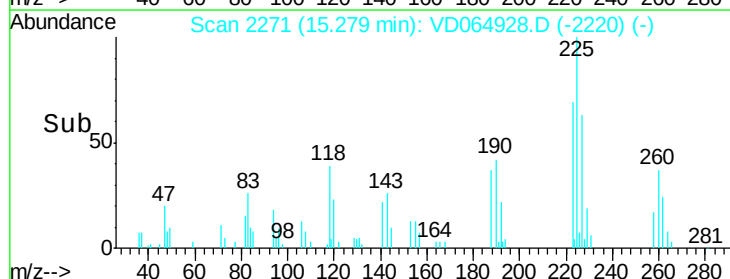
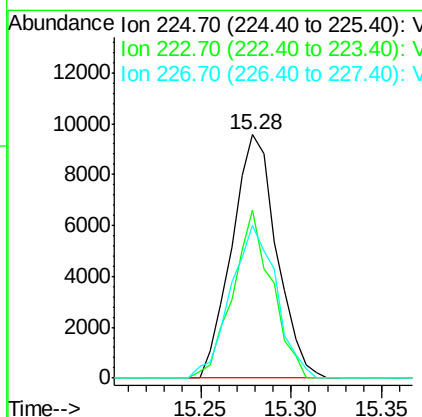
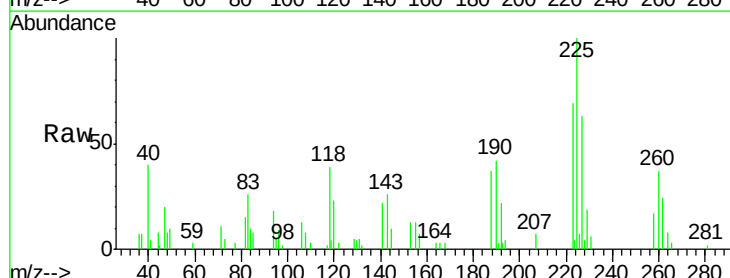
Manual Integrations
 APPROVED

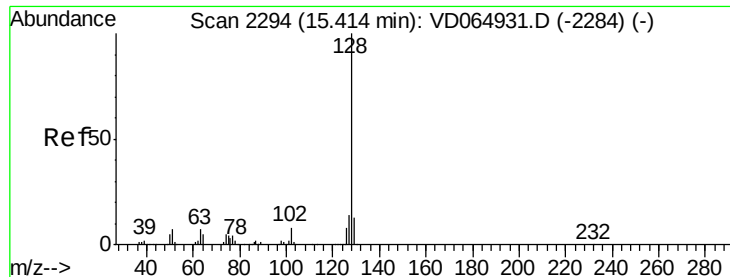
MMDadoda
 1/24/2020 4:01:41 PM



#94
 Hexachlorobutadiene
 Concen: 4.706 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.9	32.4	97.2	
227	63.8	31.9	95.9	





#95

Naphthalene

Concen: 3.877 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

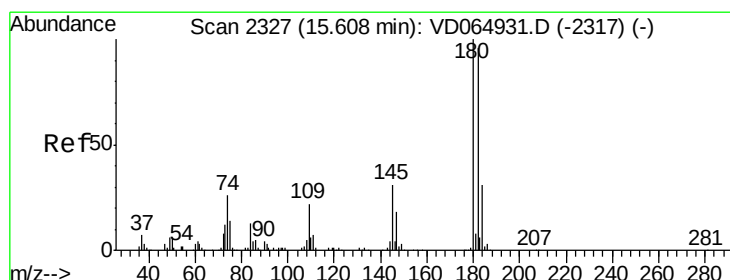
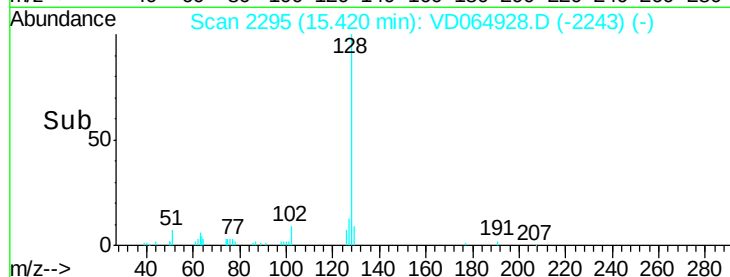
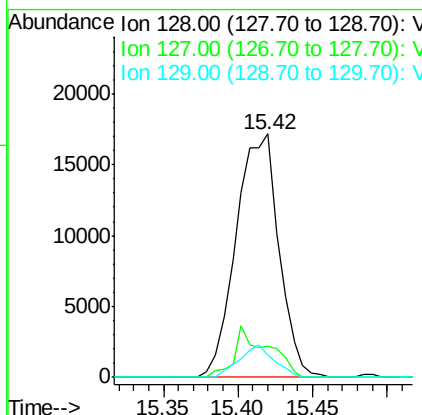
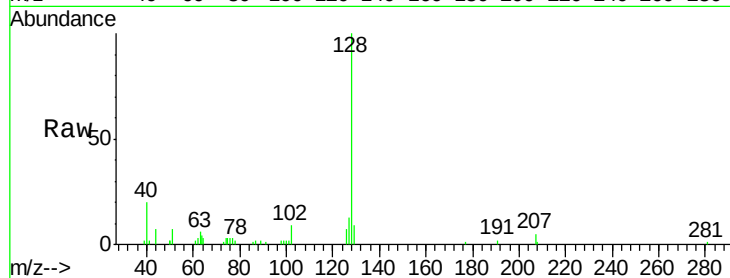
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	34176
Ion Ratio	Lower	Upper	
128	100		
127	16.4	10.6	15.8#
129	10.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/24/2020 4:01:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.375 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion:	180	Resp:	20822
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.3	141.8
145	28.3	14.6	43.8

