

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064844.D
 Acq On : 13 Jan 2020 12:42
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Manual Integrations
 APPROVED

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 1/14/2020 1:28:28 PM

Quant Time: Jan 14 11:45:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	374665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	559486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202283	61.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.46%	
35) Dibromofluoromethane	7.92	113	200051	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
50) Toluene-d8	10.34	98	745226	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.64	95	233949	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64393	22.115	ug/l	94
3) Chloromethane	2.21	50	97922	24.047	ug/l	98
4) Vinyl Chloride	2.35	62	115586	23.280	ug/l	98
5) Bromomethane	2.76	94	77246	21.397	ug/l	100
6) Chloroethane	2.91	64	77968	23.436	ug/l	97
7) Trichlorofluoromethane	3.27	101	187334	22.408	ug/l	100
8) Diethyl Ether	3.71	74	39570	23.835	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84434	24.387	ug/l	96
10) Methyl Iodide	4.29	142	82278	22.124	ug/l	99
11) Tert butyl alcohol	5.26	59	23381	123.487	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	80119	24.306	ug/l	97
13) Acrolein	3.93	56	22970	87.049	ug/l	100
14) Allyl chloride	4.71	41	125103	24.343	ug/l	98
15) Acrylonitrile	5.43	53	86042	124.428	ug/l	98
16) Acetone	4.16	43	94820	130.804	ug/l	100
17) Carbon Disulfide	4.40	76	237088	22.244	ug/l	98
18) Methyl Acetate	4.72	43	45948	24.704	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	183001	24.995	ug/l	98
20) Methylene Chloride	4.96	84	100517	27.555	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	87054	23.190	ug/l	95
22) Diisopropyl ether	6.37	45	251824	24.567	ug/l	98
23) Vinyl Acetate	6.31	43	705809	121.381	ug/l	98
24) 1,1-Dichloroethane	6.26	63	152844	24.837	ug/l	95
25) 2-Butanone	7.22	43	119719	131.831	ug/l	95
26) 2,2-Dichloropropane	7.21	77	145459	25.423	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	98680	24.357	ug/l	98
28) Bromochloromethane	7.55	49	50713	21.200	ug/l	96
29) Tetrahydrofuran	7.57	42	69785	123.570	ug/l	97
30) Chloroform	7.71	83	162070	25.102	ug/l	97
31) Cyclohexane	7.98	56	142816	23.184	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	149032	24.575	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125991	23.396	ug/l	99
37) Ethyl Acetate	7.30	43	48302	22.832	ug/l #	91
38) Carbon Tetrachloride	8.10	117	135425	23.585	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148579	22.780	ug/l	96
40) Benzene	8.36	78	343459	23.364	ug/l	100
41) Methacrylonitrile	7.53	41	32190	26.226	ug/l	97
42) 1,2-Dichloroethane	8.43	62	102042	24.021	ug/l	99
43) Isopropyl Acetate	8.46	43	97285	23.104	ug/l	98
44) Trichloroethene	9.11	130	99703	23.087	ug/l	91
45) 1,2-Dichloropropane	9.39	63	83858	23.892	ug/l	98
46) Dibromomethane	9.48	93	46135	23.575	ug/l	99
47) Bromodichloromethane	9.67	83	124140	23.840	ug/l	95
48) Methyl methacrylate	9.46	41	45979	23.191	ug/l	90
49) 1,4-Dioxane	9.47	88	10669	472.820	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	252080	121.117	ug/l	98
52) Toluene	10.41	92	223505	23.174	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114618	23.609	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	135706	23.706	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	63216	23.970	ug/l	96
56) Ethyl methacrylate	10.67	69	73046	22.178	ug/l	97
57) 1,3-Dichloropropane	10.95	76	107854	23.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	159529	127.131	ug/l	98
59) 2-Hexanone	10.99	43	174029	123.196	ug/l	98
60) Dibromochloromethane	11.14	129	84736	23.234	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59774	22.979	ug/l	100
64) Tetrachloroethene	10.88	164	92343	24.314	ug/l	99
65) Chlorobenzene	11.67	112	240122	23.370	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	91088	23.516	ug/l	99
67) Ethyl Benzene	11.75	91	425947	22.840	ug/l	98
68) m/p-Xylenes	11.86	106	325451	45.213	ug/l	98
69) o-Xylene	12.18	106	148536	22.846	ug/l	96
70) Styrene	12.20	104	258266	22.630	ug/l	99
71) Bromoform	12.37	173	53225	24.096	ug/l	94
73) Isopropylbenzene	12.48	105	403606	23.635	ug/l	98
74) N-amyl acetate	12.29	43	86930	23.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66040	24.618	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40442m	21.432	ug/l	
77) Bromobenzene	12.77	156	96055	22.892	ug/l	95
78) n-propylbenzene	12.83	91	474605	23.823	ug/l	98
79) 2-Chlorotoluene	12.91	91	257699	23.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328091	23.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22092	24.486	ug/l	94
82) 4-Chlorotoluene	13.01	91	273978	23.525	ug/l	99
83) tert-Butylbenzene	13.23	119	278124	22.836	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	328332	23.502	ug/l	96
85) sec-Butylbenzene	13.41	105	392525	23.508	ug/l	99
86) p-Isopropyltoluene	13.52	119	363850	22.789	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	185347	23.172	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184106	23.429	ug/l	99
89) n-Butylbenzene	13.85	91	337984	23.507	ug/l	98
90) Hexachloroethane	14.12	117	71857	23.561	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156916	23.006	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11266	25.906	ug/l	91

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MSVOA_D
ClientSampleId :
VD0113SBSD01

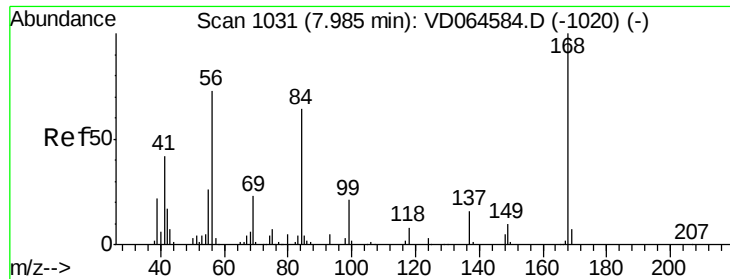
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112688	22.438	ug/l	97
94) Hexachlorobutadiene	15.28	225	69404	21.961	ug/l	98
95) Naphthalene	15.41	128	178291	22.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	96001	22.391	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: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion:168 Resp: 374665

Ion Ratio Lower Upper

168 100

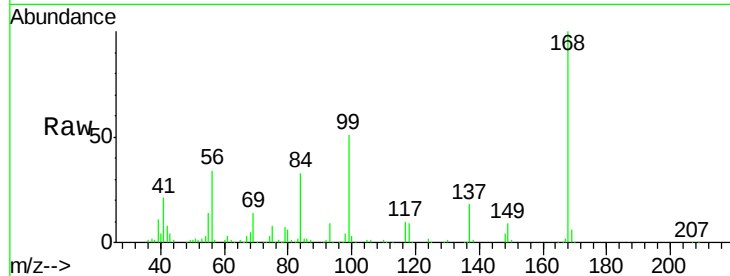
99 50.5 41.8 62.6

Manual Integrations

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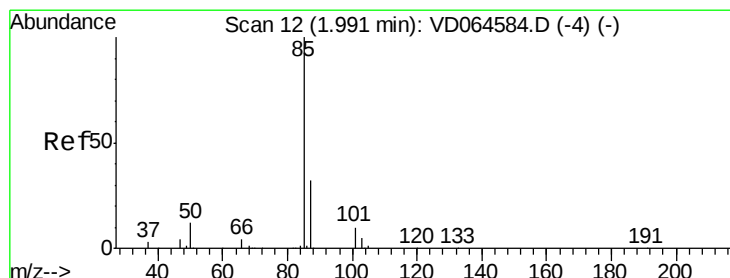
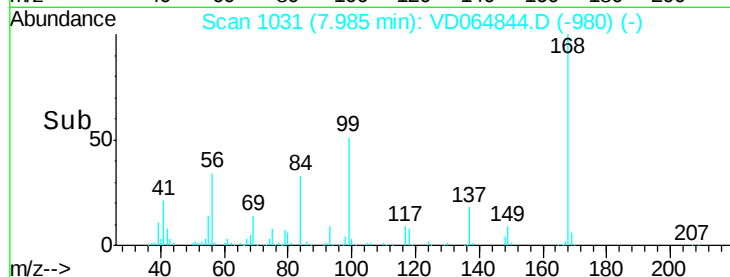
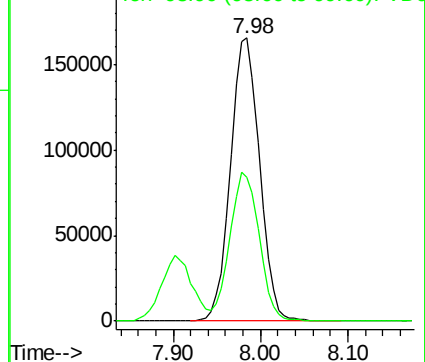
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.115 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064844.D

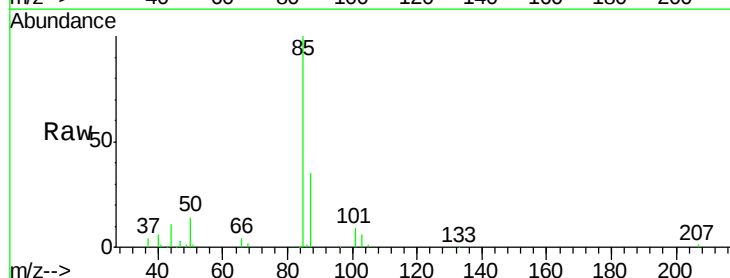
Acq: 13 Jan 2020 12:42

Tgt Ion: 85 Resp: 64393

Ion Ratio Lower Upper

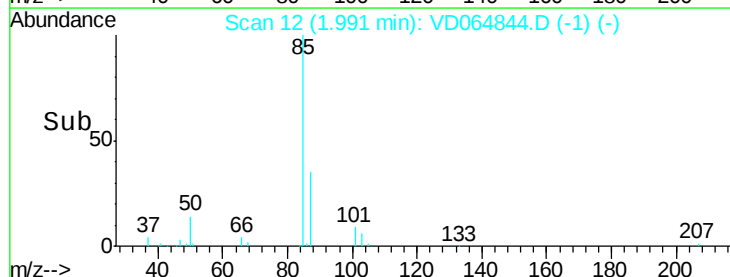
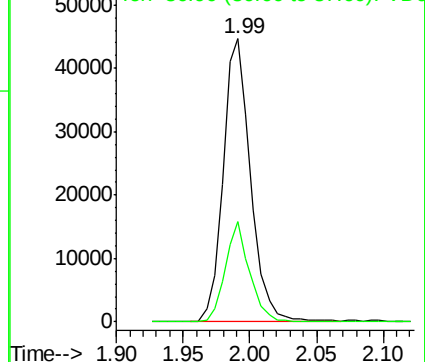
85 100

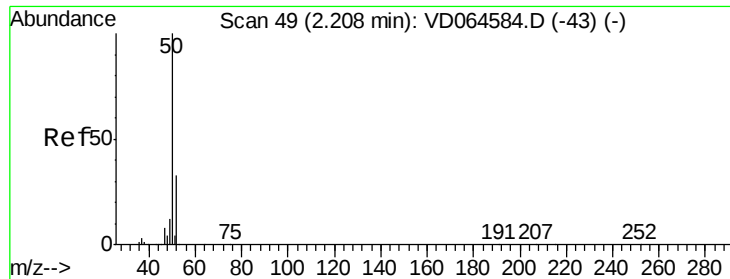
87 35.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.047 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 50 Resp: 97922

Ion Ratio Lower Upper

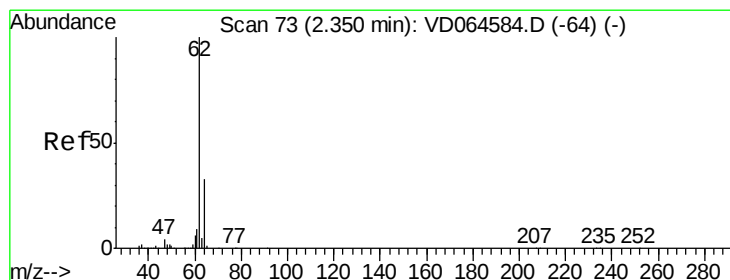
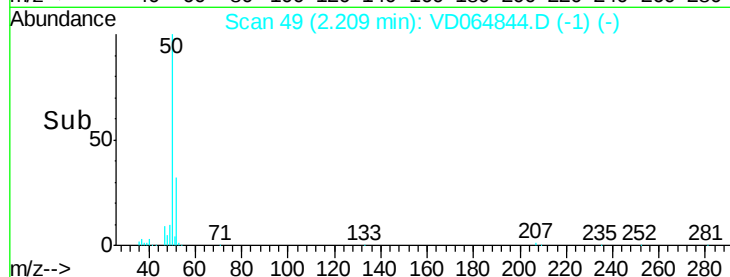
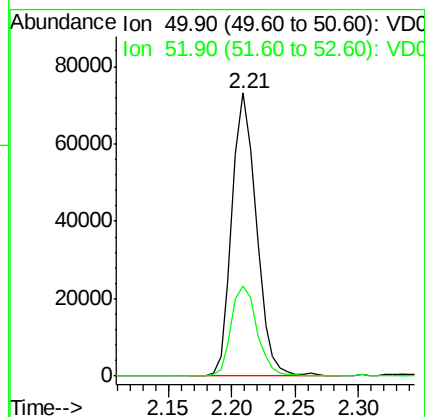
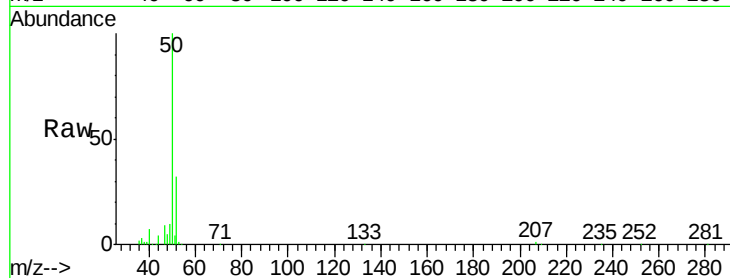
50 100

52 31.9 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.280 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064844.D

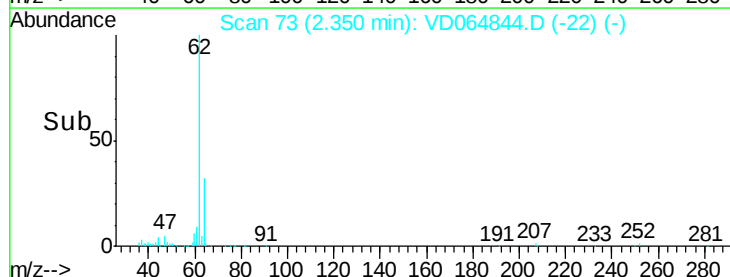
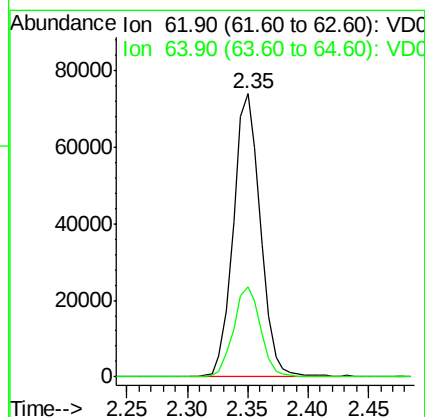
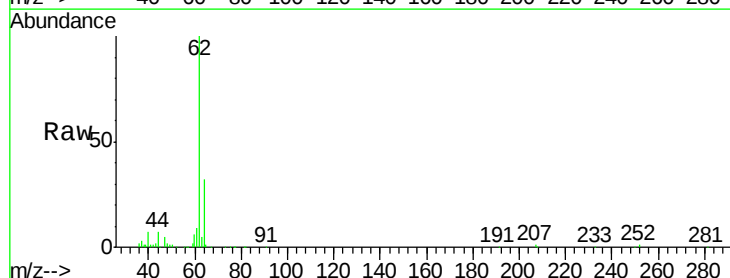
Acq: 13 Jan 2020 12:42

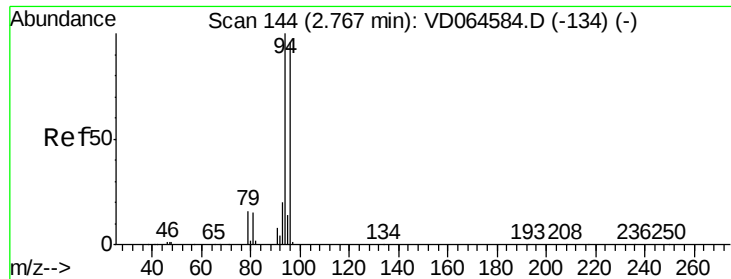
Tgt Ion: 62 Resp: 115586

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0





#5

Bromomethane

Concen: 21.397 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 94 Resp: 77246

Ion Ratio Lower Upper

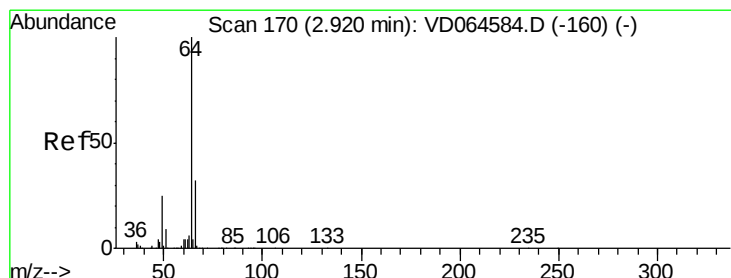
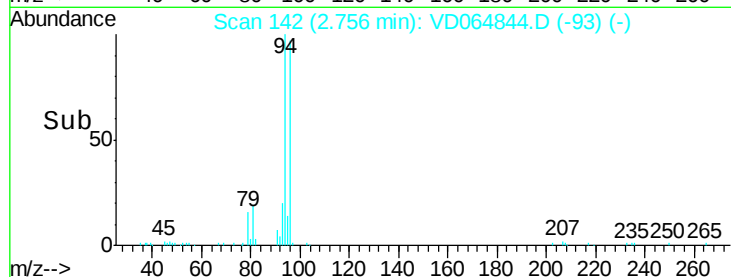
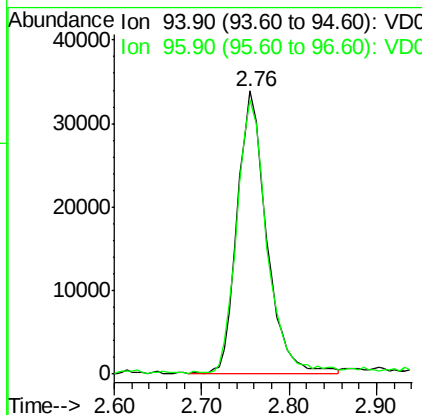
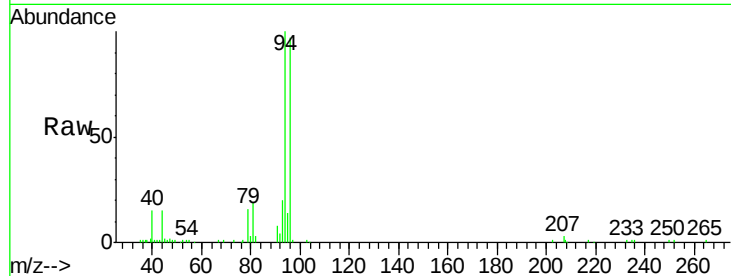
94 100

96 97.0 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 23.436 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064844.D

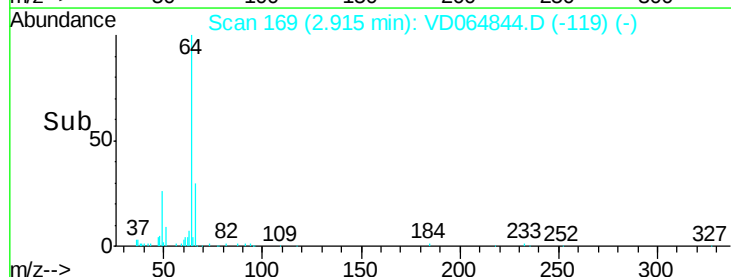
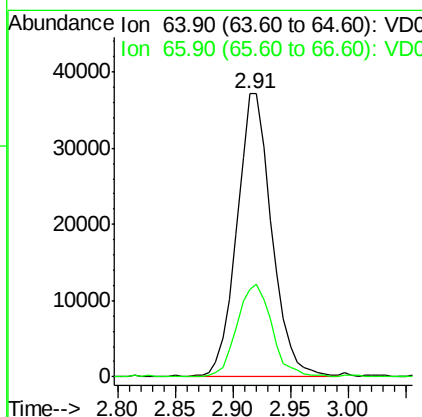
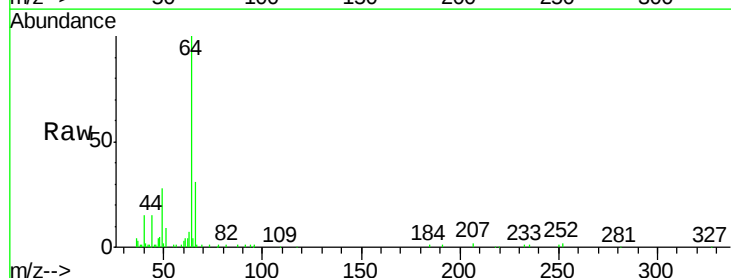
Acq: 13 Jan 2020 12:42

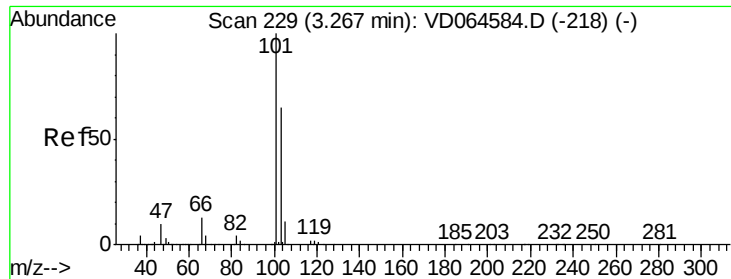
Tgt Ion: 64 Resp: 77968

Ion Ratio Lower Upper

64 100

66 30.9 25.9 38.9





#7

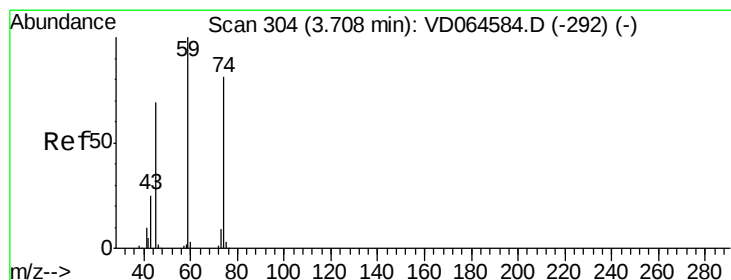
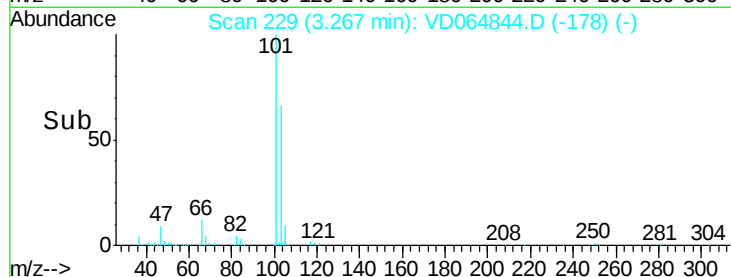
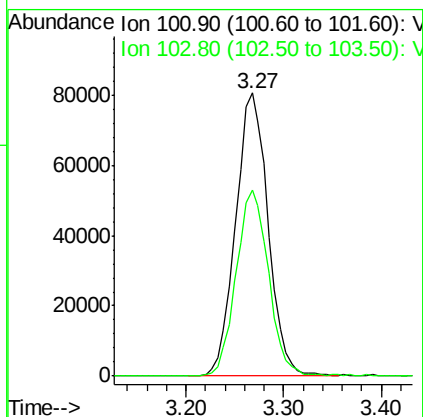
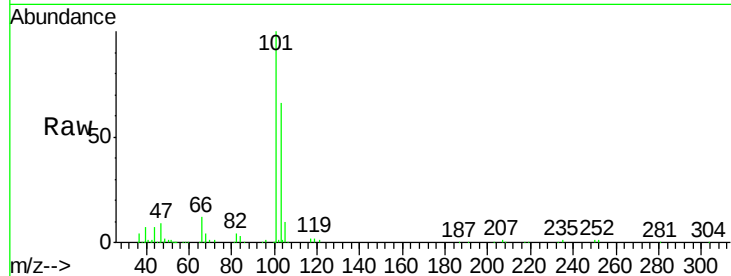
Trichlorofluoromethane
Concen: 22.408 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.2	78.4

Manual Integrations
APPROVED

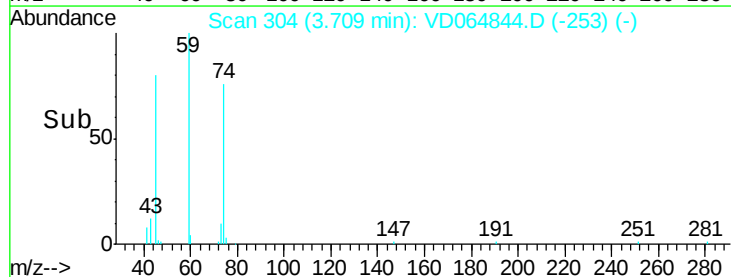
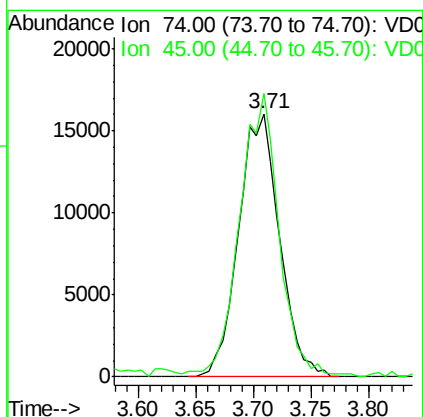
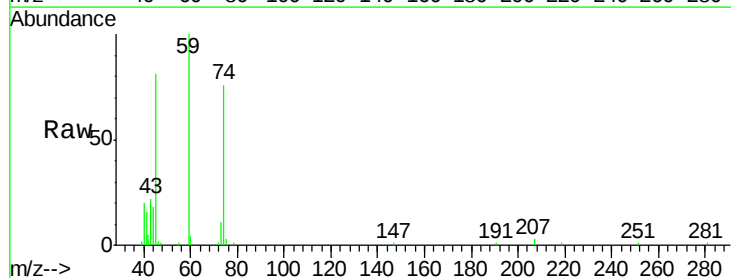
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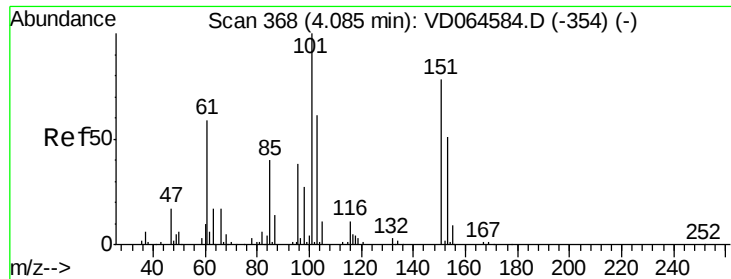


#8

Diethyl Ether
Concen: 23.835 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.387 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

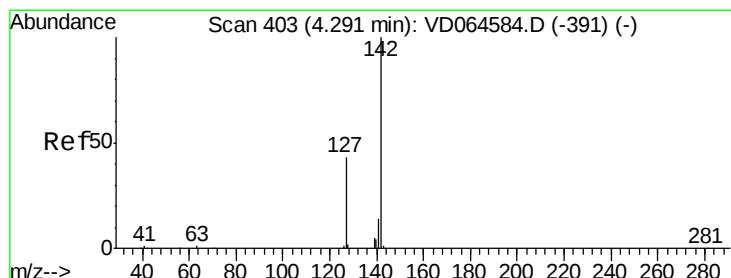
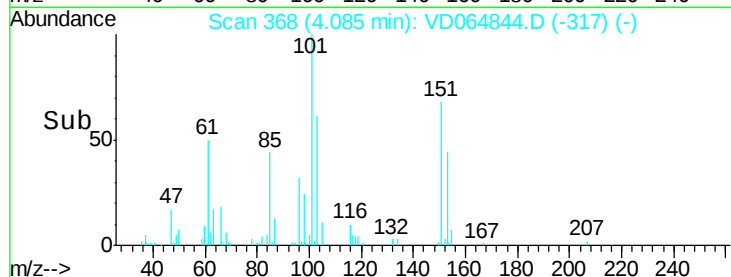
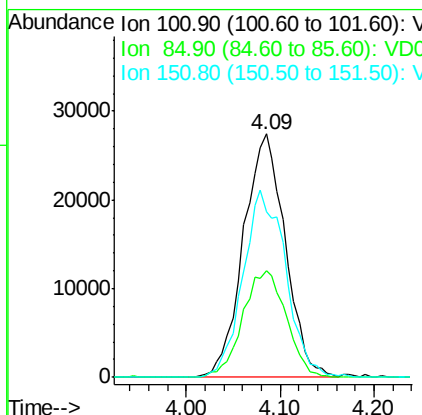
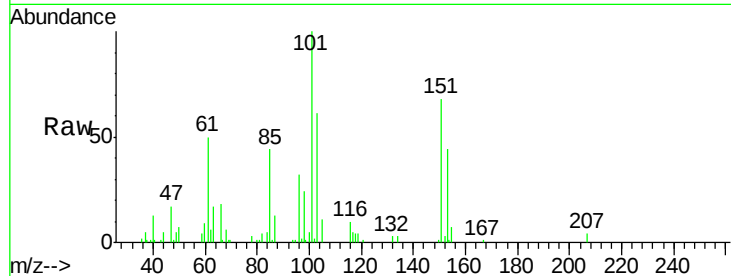
ClientSampleId :

VD0113SBS01

Tot Ion:	101	Resp:	84434
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.2	52.8
151	78.7	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 22.124 ug/l

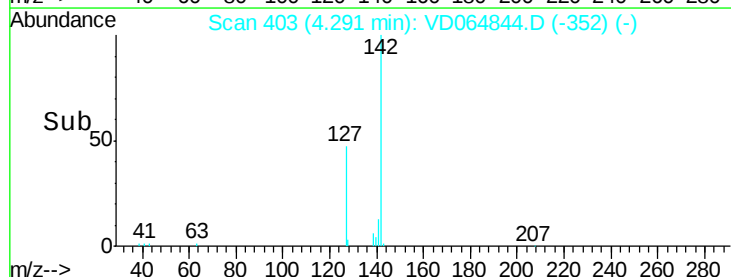
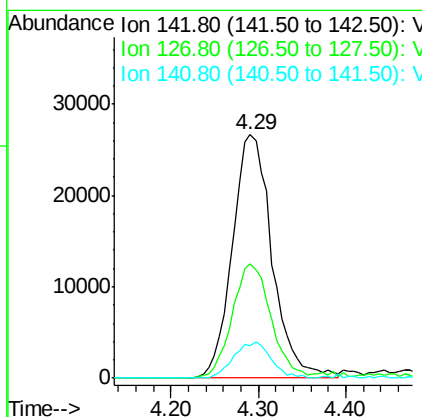
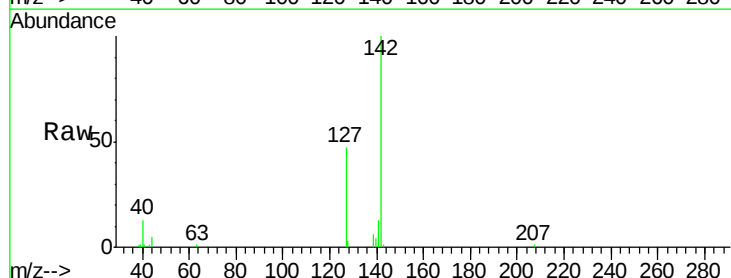
RT: 4.29 min Scan# 403

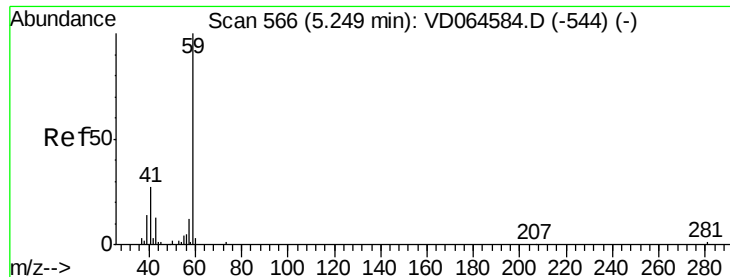
Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion:	142	Resp:	82278
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.2	54.4
141	13.9	11.8	17.8





#11

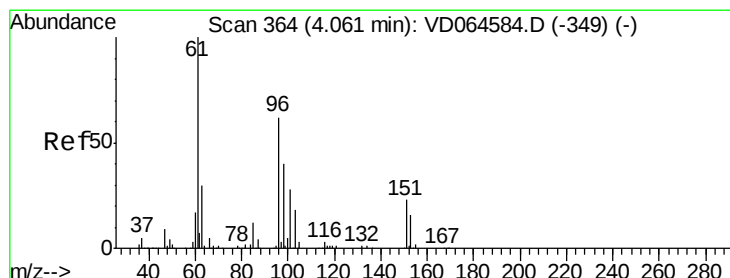
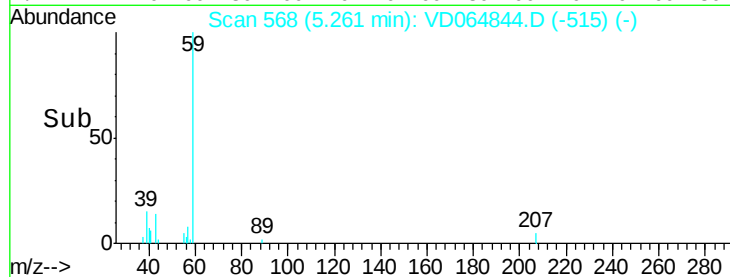
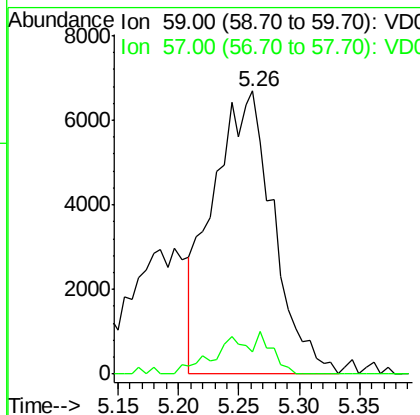
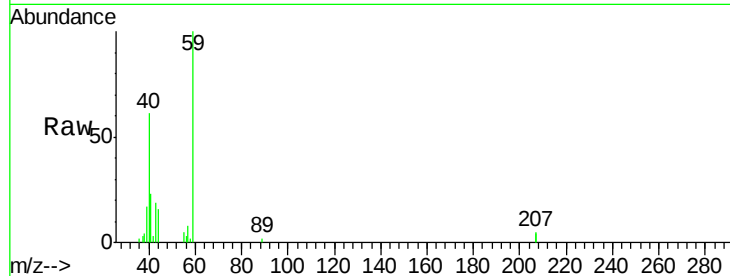
Tert butyl alcohol
 Concen: 123.487 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	8.0	9.3	13.9#

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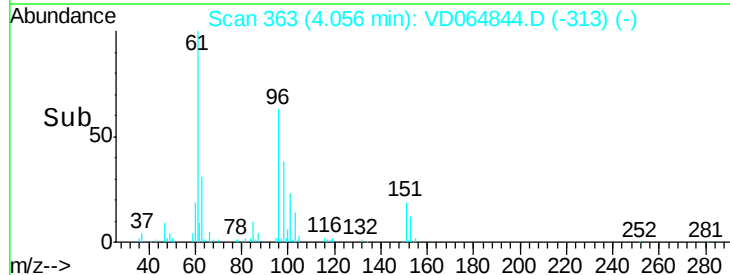
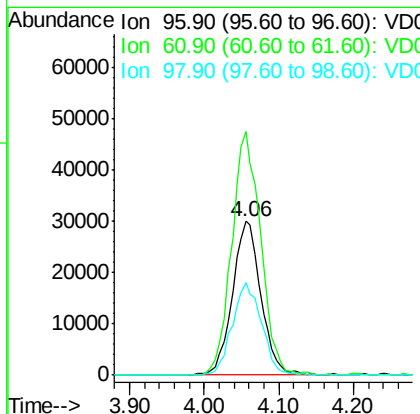
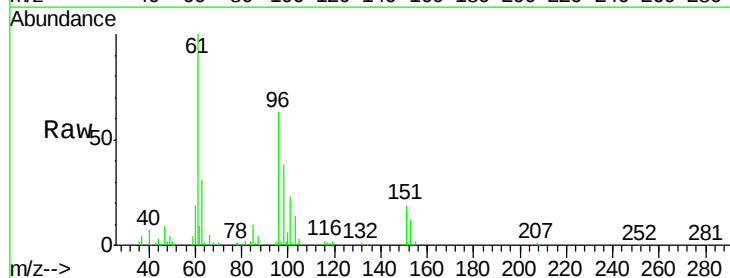
MMDadoda
 1/14/2020 1:28:28 PM

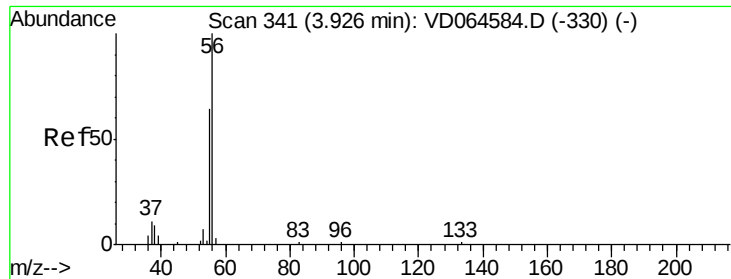


#12

1,1-Dichloroethene
 Concen: 24.306 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	158.3	129.4	194.0
98	98	60.2	51.4	77.0





#13

Acrolein

Concen: 87.049 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tot Ion: 56 Resp: 22970

Ion Ratio Lower Upper

56 100

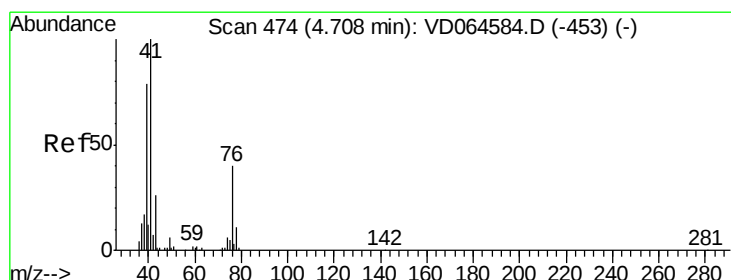
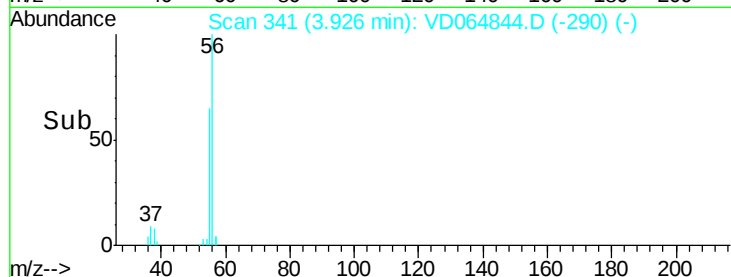
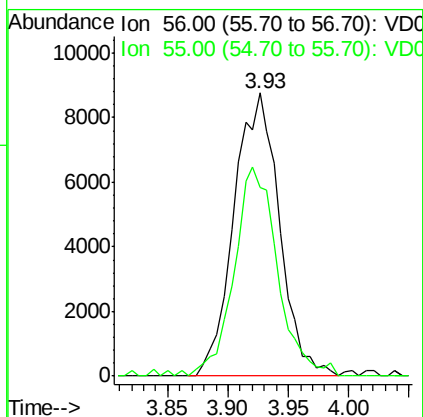
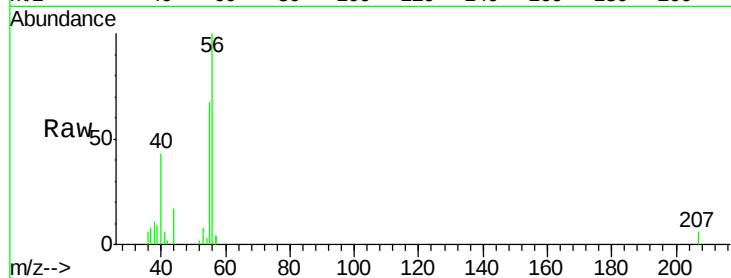
55 70.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 24.343 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

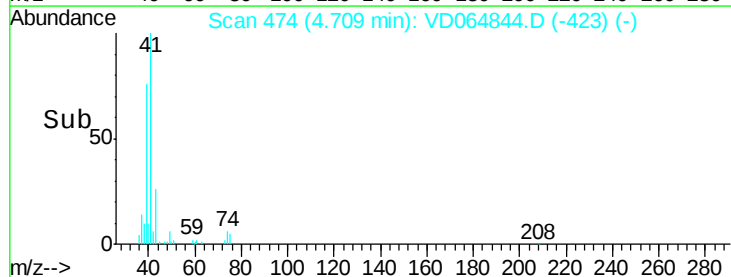
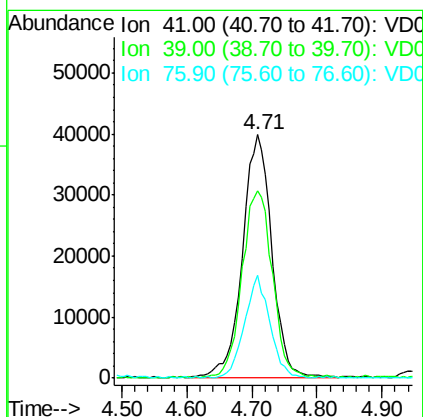
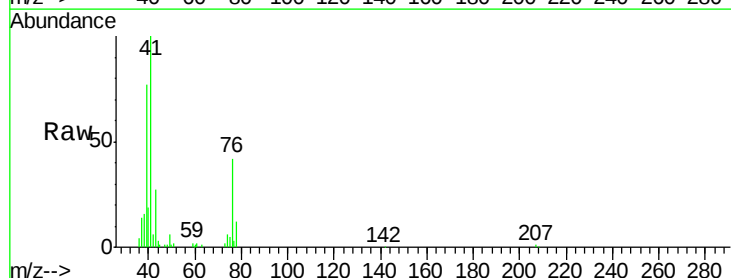
Tgt Ion: 41 Resp: 125103

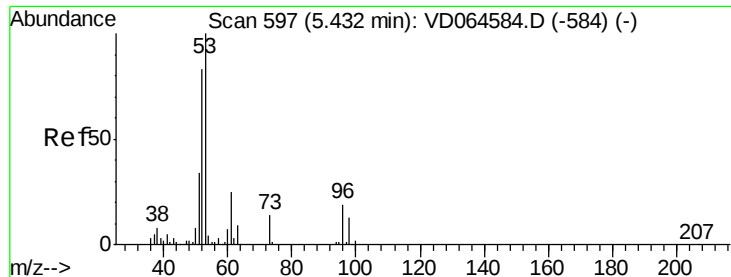
Ion Ratio Lower Upper

41 100

39 79.6 62.3 93.5

76 36.4 29.7 44.5





#15

Acrylonitrile

Concen: 124.428 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

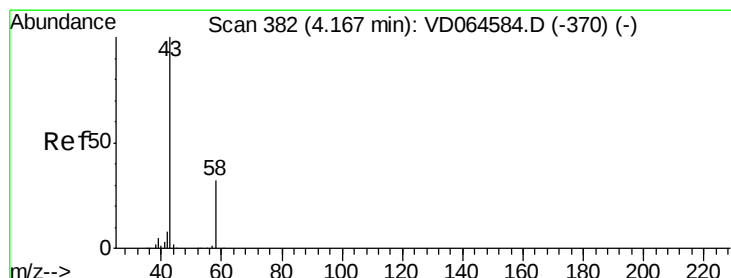
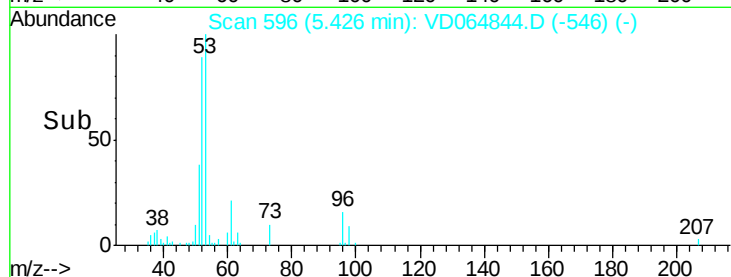
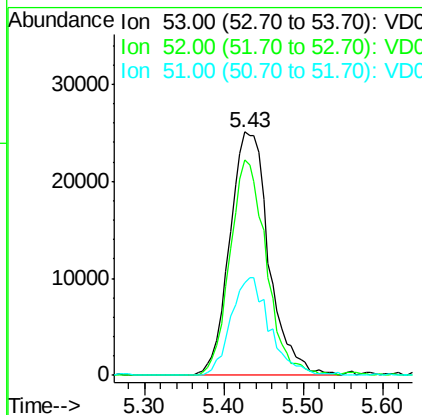
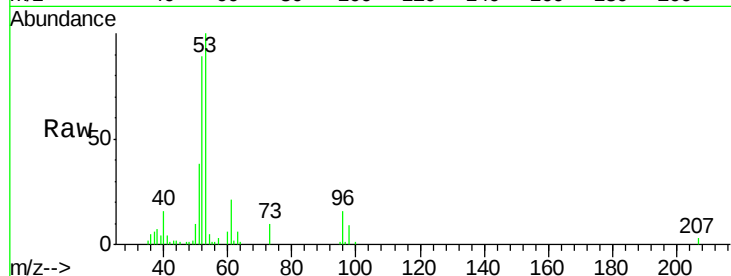
ClientSampleId :

VD0113SBS01

Tot Ion:	53	Resp:	86042
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.2
51	39.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 130.804 ug/l

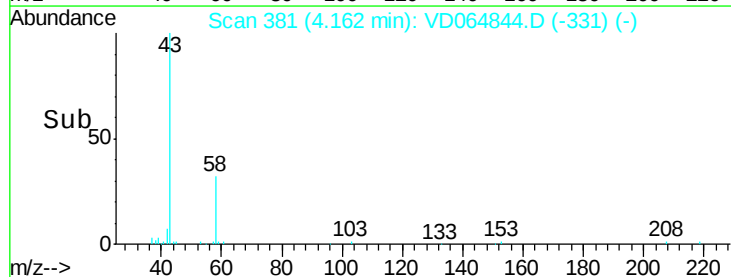
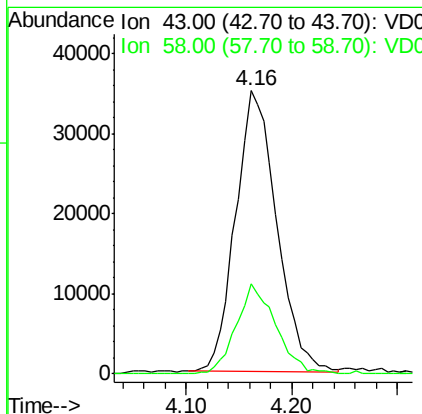
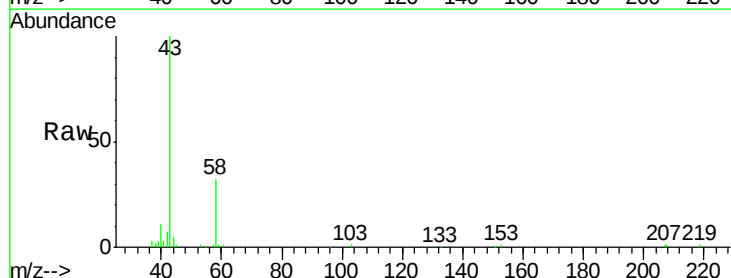
RT: 4.16 min Scan# 381

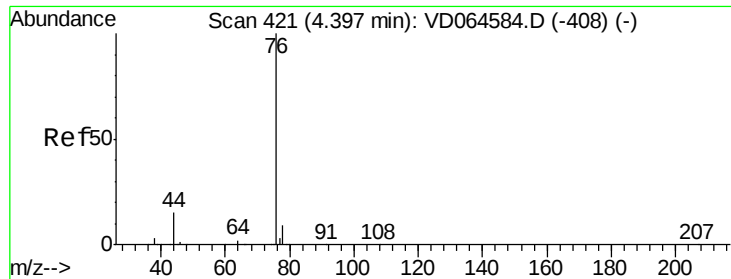
Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion:	43	Resp:	94820
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.8	38.6





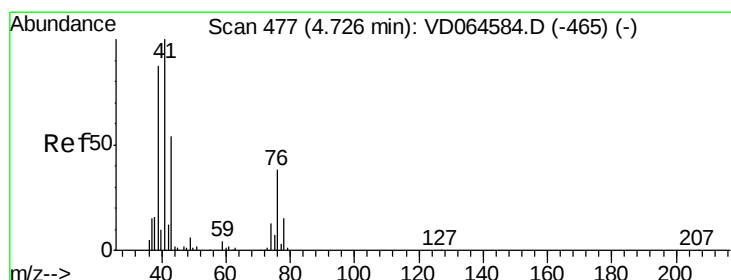
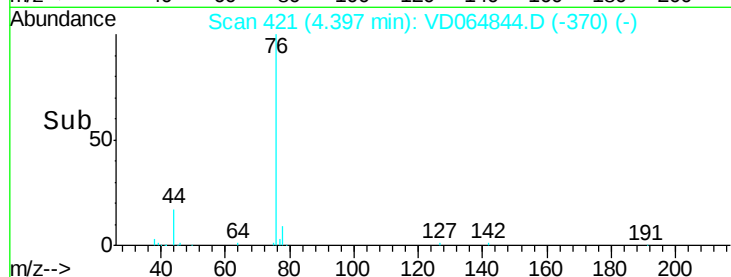
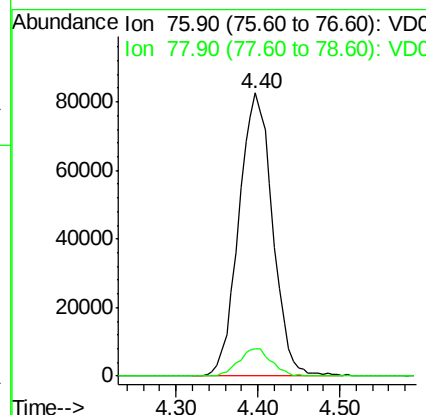
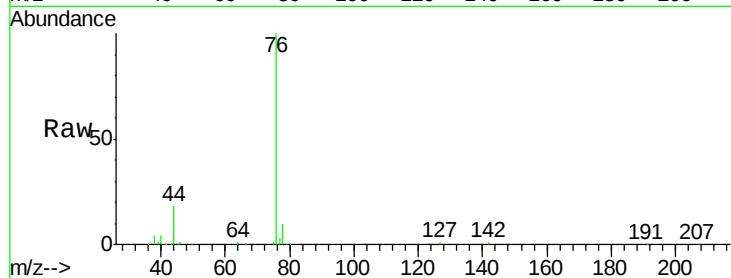
#17
Carbon Disulfide
Concen: 22.244 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

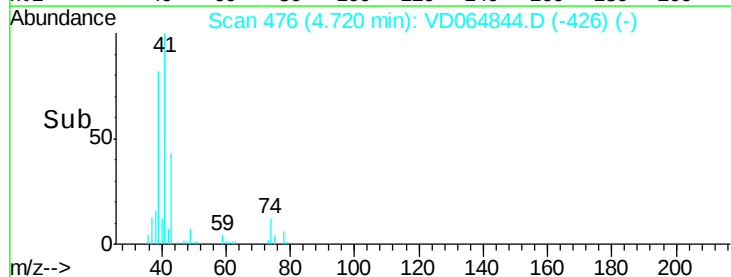
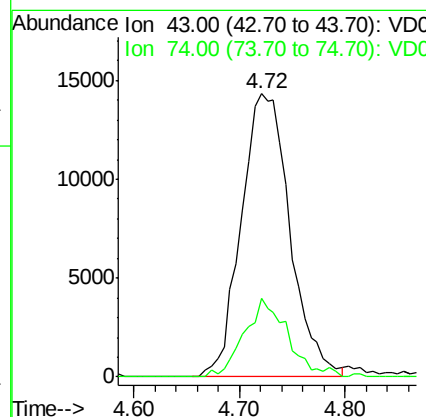
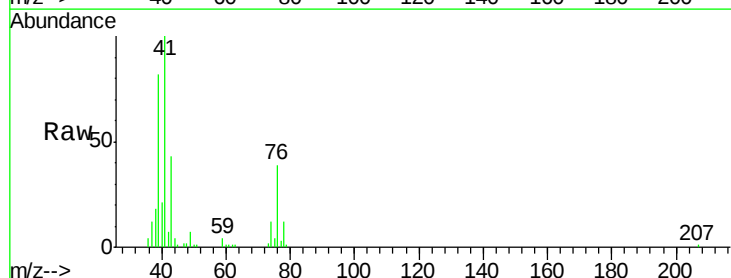
Manual Integrations
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#18
Methyl Acetate
Concen: 24.704 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8





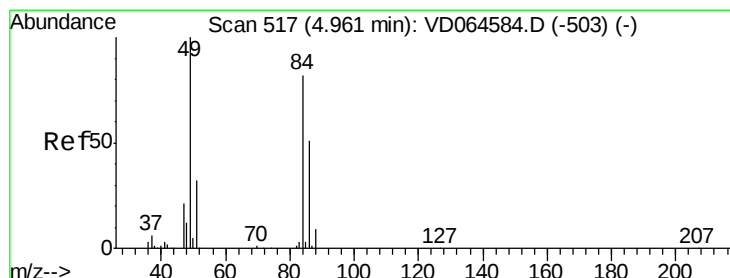
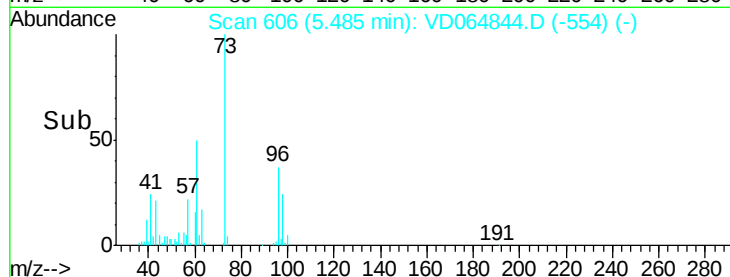
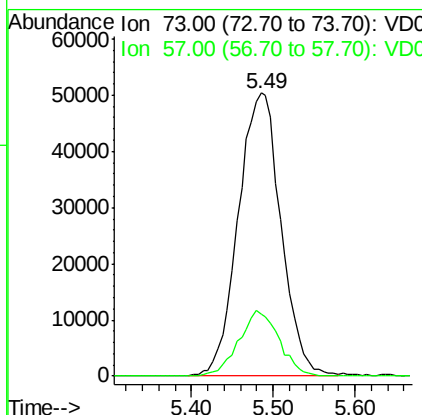
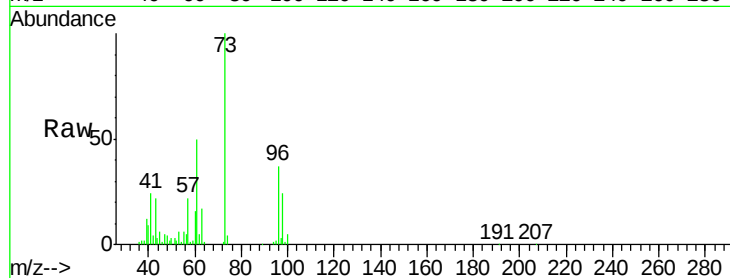
#19
Methyl tert-butyl Ether
Concen: 24.995 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ion	Ratio	Lower	Upper
73	100			
57	22.1	18.6	27.8	

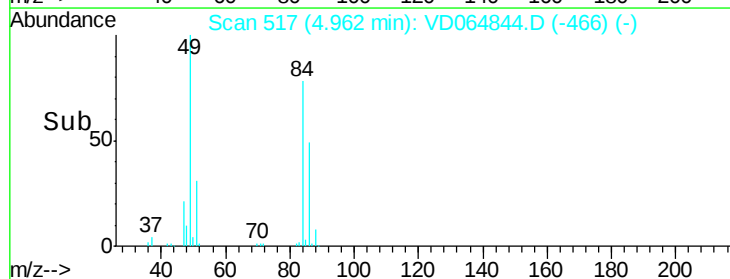
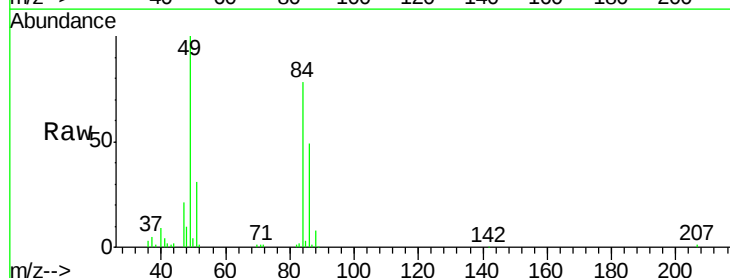
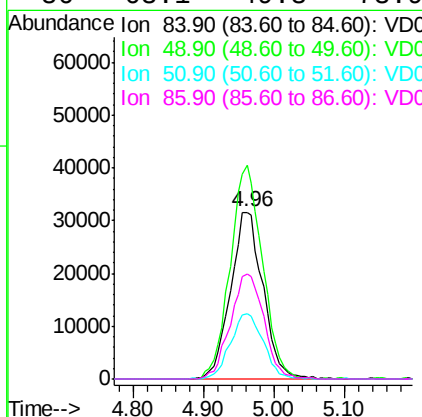
Manual Integrations
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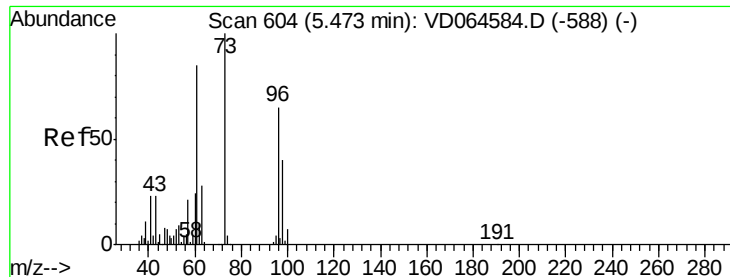
MMDadoda
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#20
Methylene Chloride
Concen: 27.555 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
84	100			
49	128.3	97.2	145.8	
51	39.6	31.4	47.0	
86	63.1	49.3	73.9	





#21

trans-1,2-Dichloroethene

Concen: 23.190 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

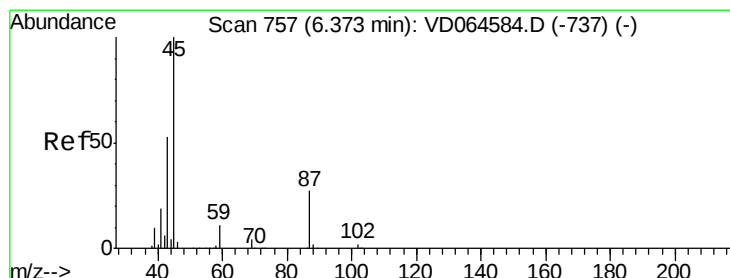
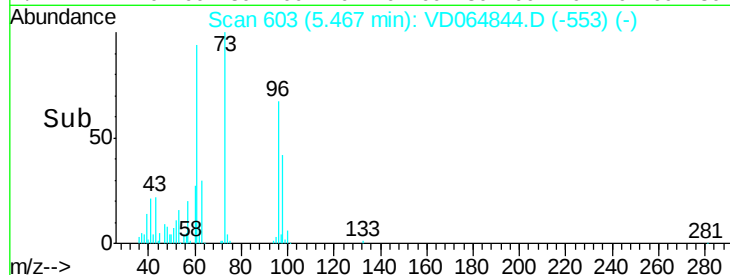
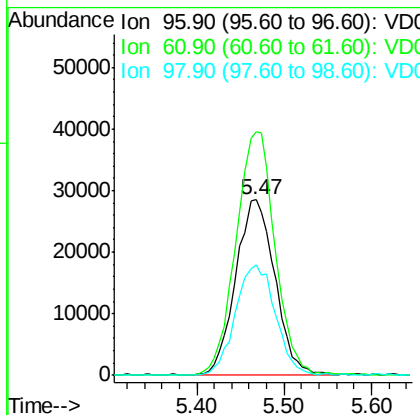
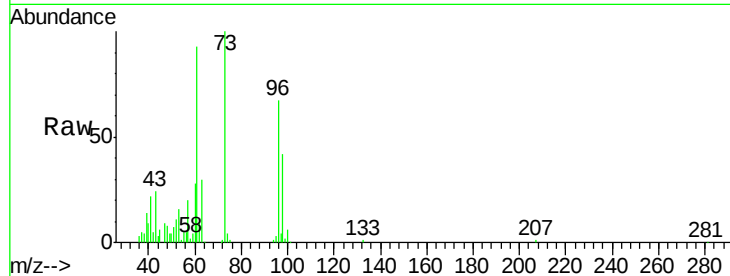
ClientSampleId :

VD0113BSD01

Tot Ion:	96	Resp:	87054
Ion	Ratio	Lower	Upper
96	100		
61	139.0	104.7	157.1
98	62.9	49.4	74.2

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#22

Diisopropyl ether

Concen: 24.567 ug/l

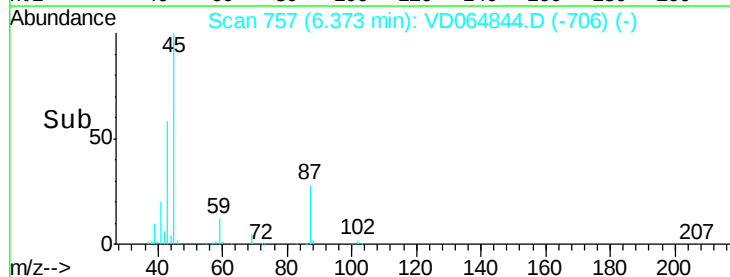
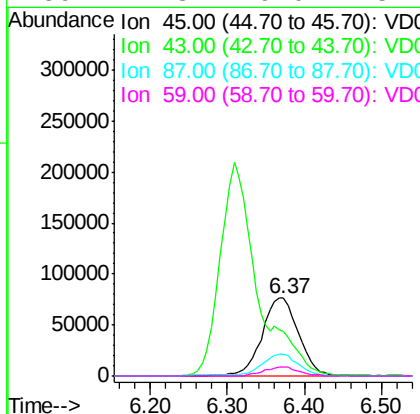
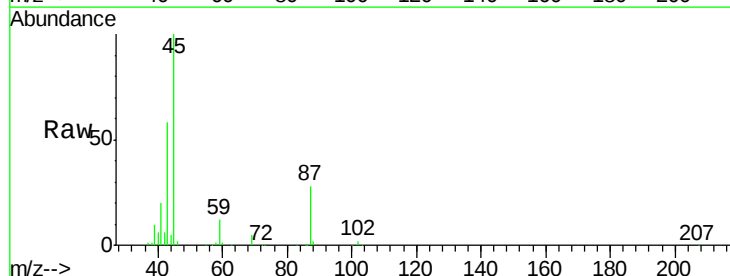
RT: 6.37 min Scan# 757

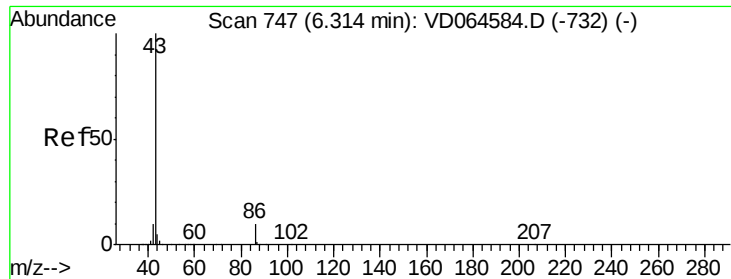
Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion:	45	Resp:	251824
Ion	Ratio	Lower	Upper
45	100		
43	56.6	43.2	64.8
87	27.4	21.9	32.9
59	12.3	9.0	13.4





#23

Vinyl Acetate

Concen: 121.381 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113BSD01

Tot Ion: 43 Resp: 705809

Ion Ratio Lower Upper

43 100

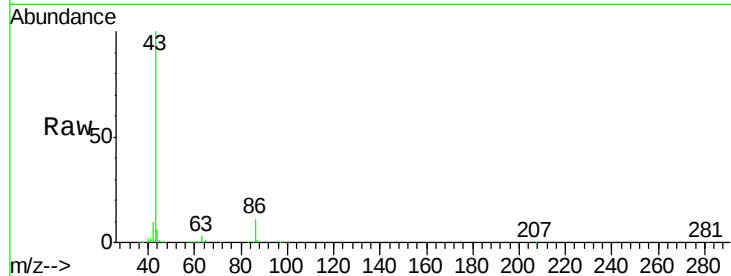
86 11.2 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

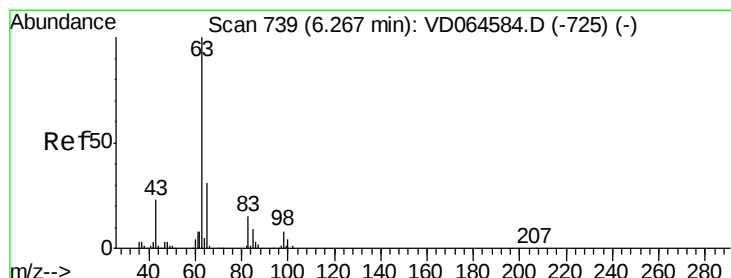
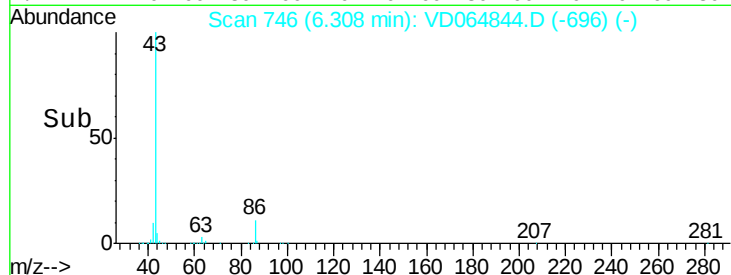
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 24.837 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

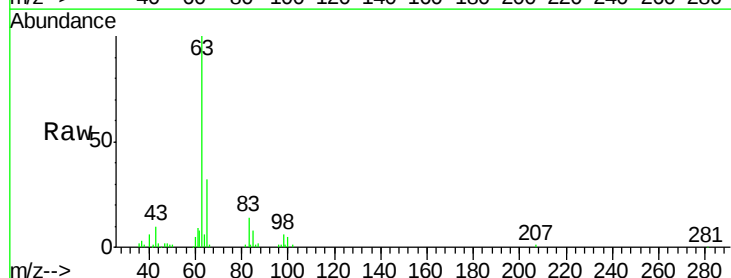
Tgt Ion: 63 Resp: 152844

Ion Ratio Lower Upper

63 100

98 5.7 4.1 12.3

100 5.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

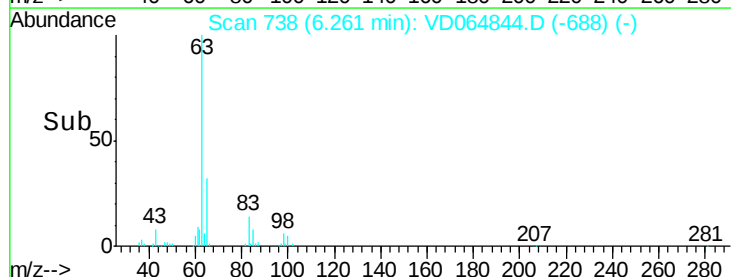
40000

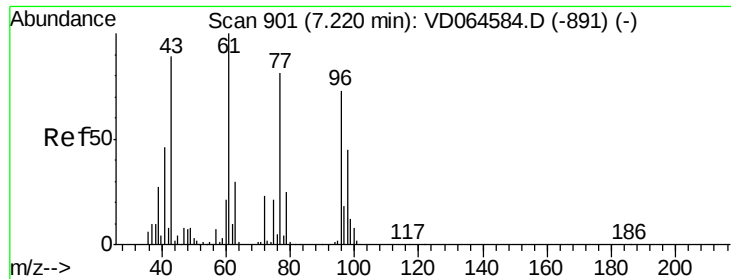
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 131.831 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 43 Resp: 119719

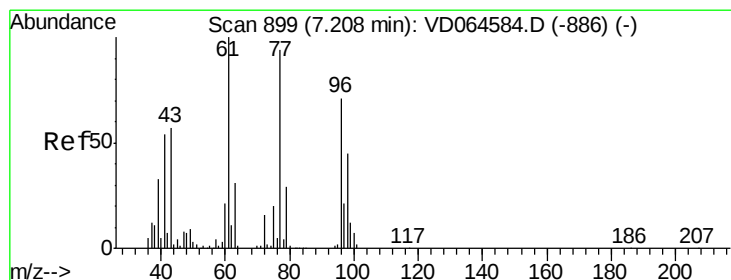
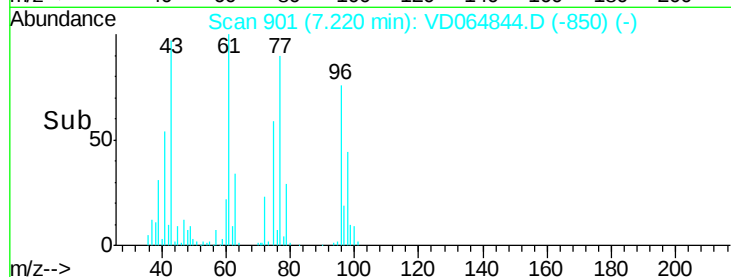
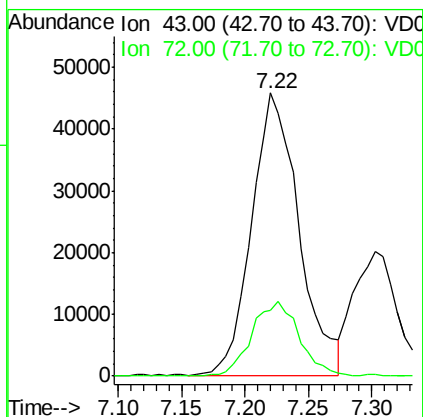
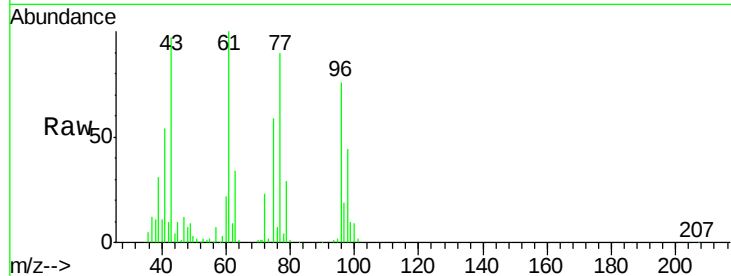
Ion Ratio Lower Upper

43 100

72 23.2 20.7 31.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 25.423 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064844.D

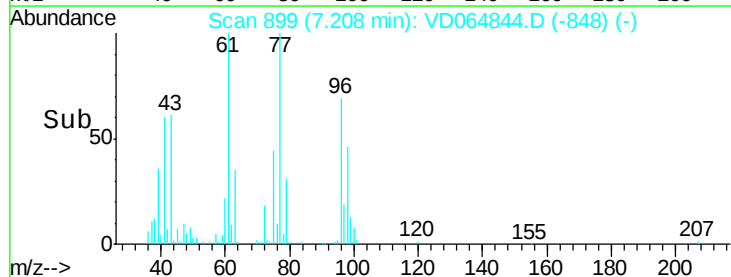
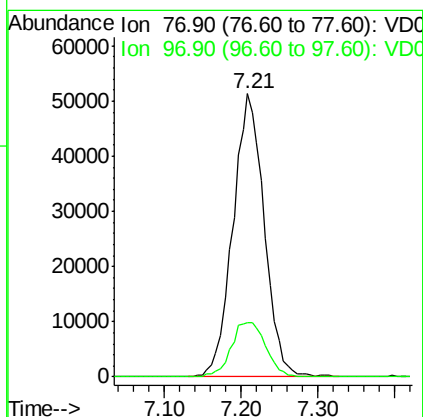
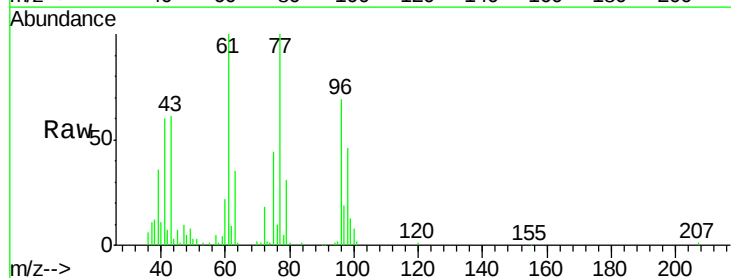
Acq: 13 Jan 2020 12:42

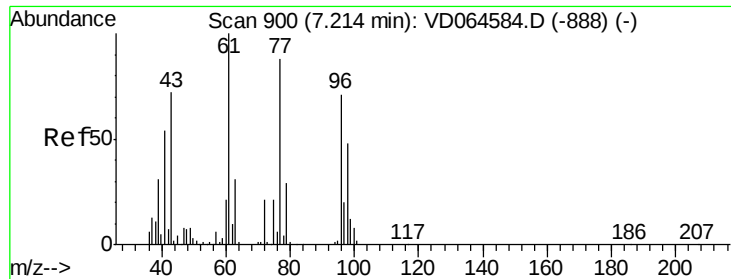
Tgt Ion: 77 Resp: 145459

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.6





#27

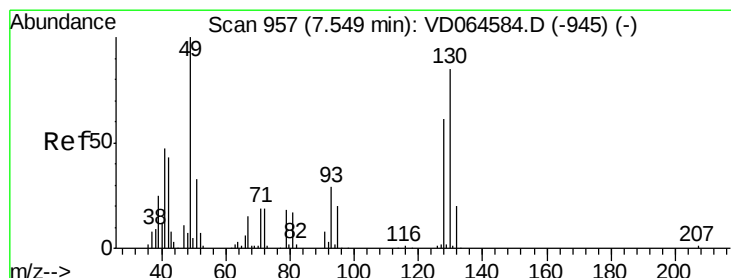
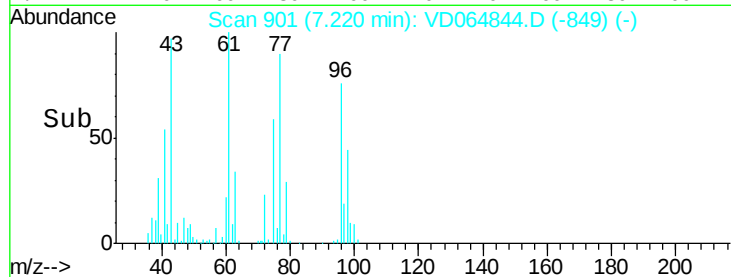
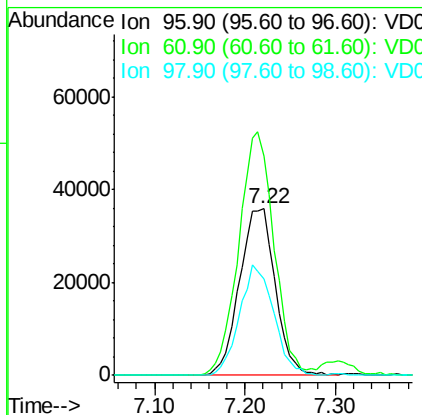
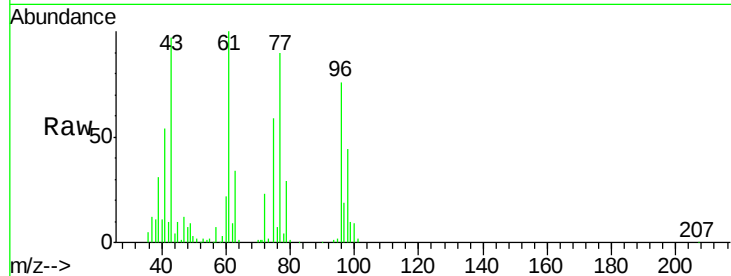
cis-1,2-Dichloroethene
Concen: 24.357 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	282.6
98	62.9	0.0	130.8

Manual Integrations
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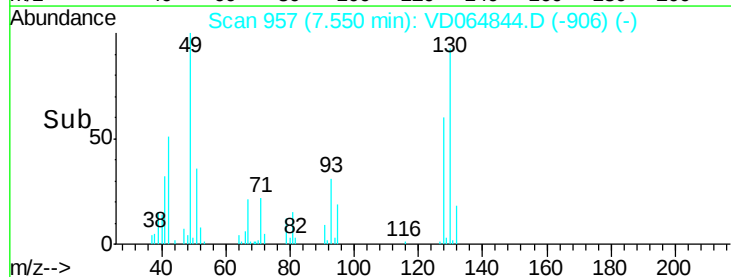
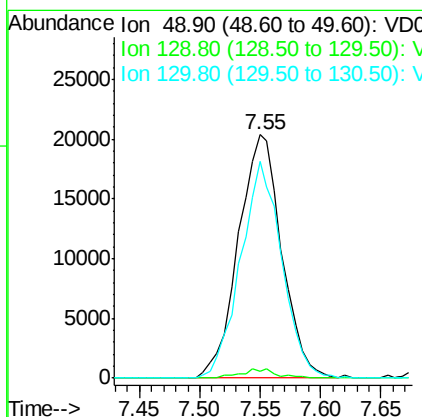
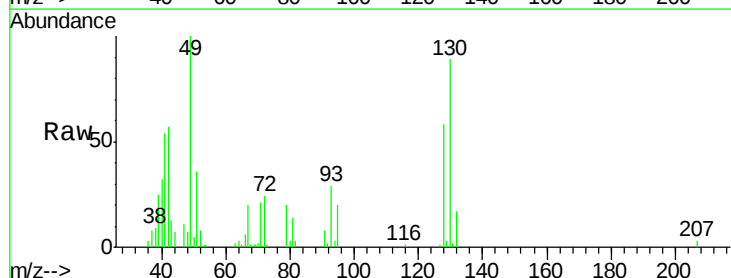
MMDadoda
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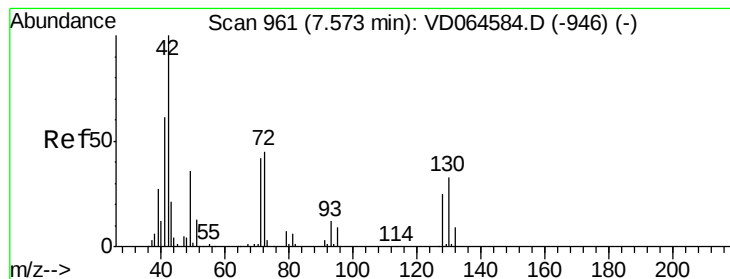


#28

Bromochloromethane
Concen: 21.200 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.8
130	85.1	65.0	97.6





#29

Tetrahydrofuran

Concen: 123.570 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

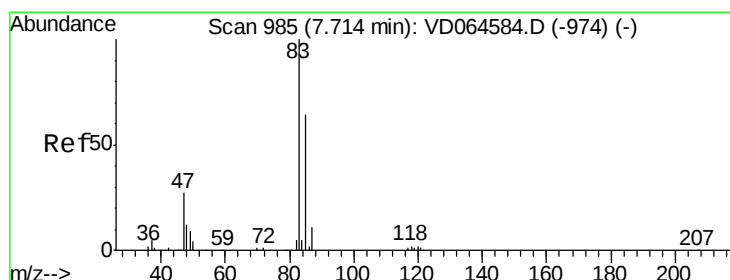
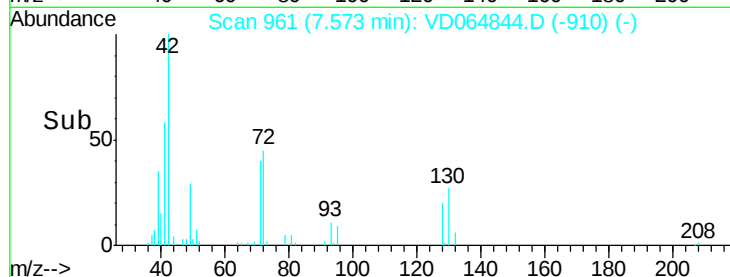
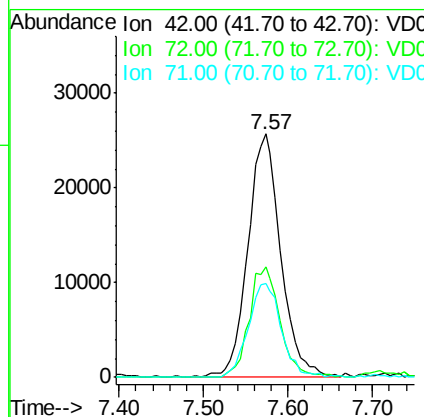
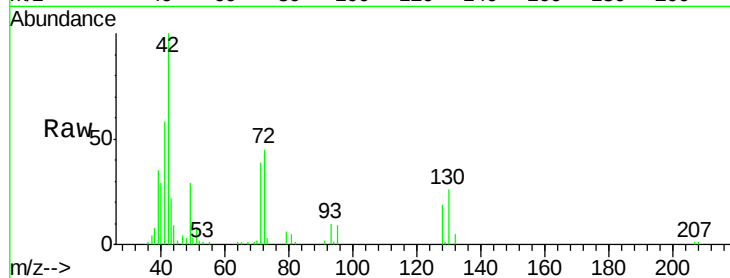
ClientSampleId :

VD0113SBS001

Tot Ion:	42	Resp:	69785
Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.0	52.4
71	38.5	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 25.102 ug/l

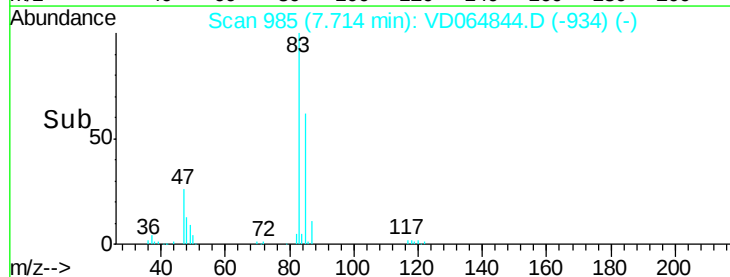
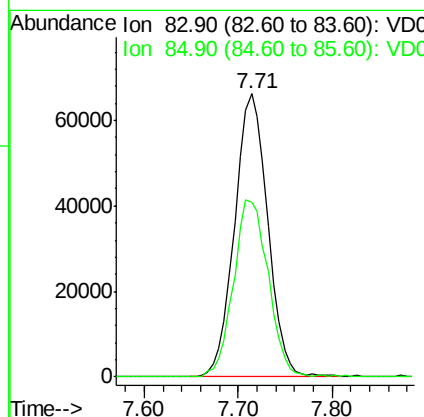
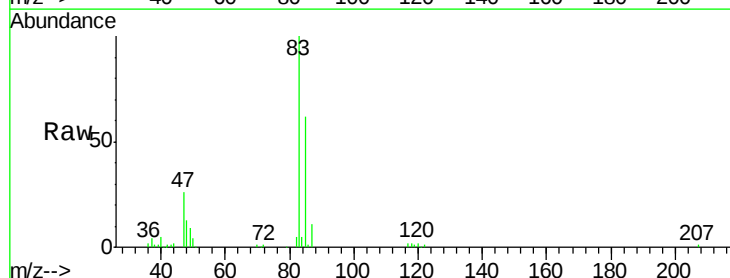
RT: 7.71 min Scan# 985

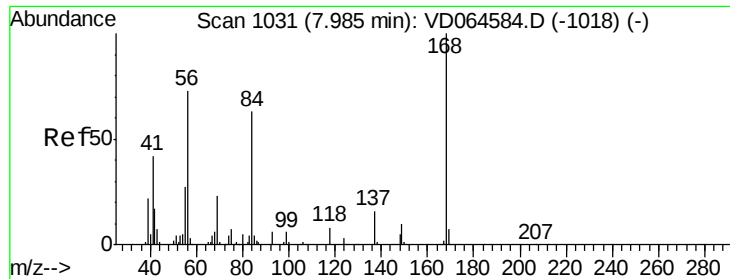
Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion:	83	Resp:	162070
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.1	76.7





#31

Cyclohexane

Concen: 23.184 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 56 Resp: 142816

Ion Ratio Lower Upper

56 100

69 38.0 24.7 37.1#

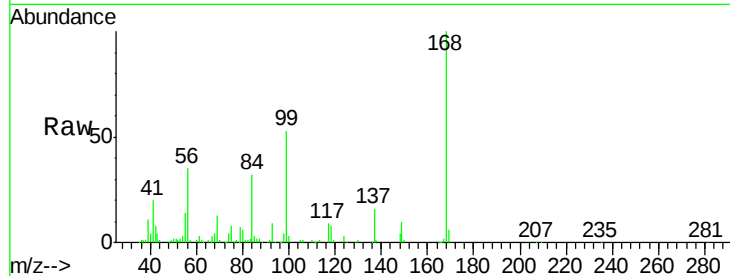
84 89.0 69.4 104.2

Manual Integrations

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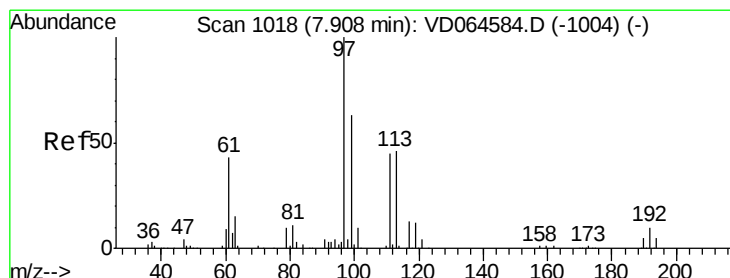
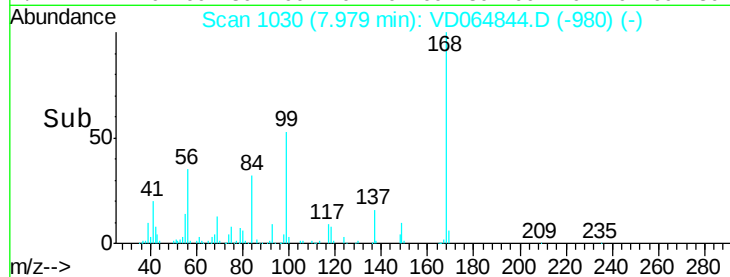
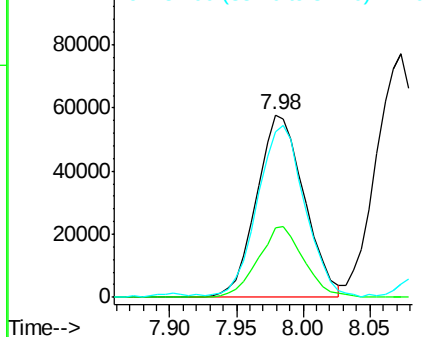


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 24.575 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

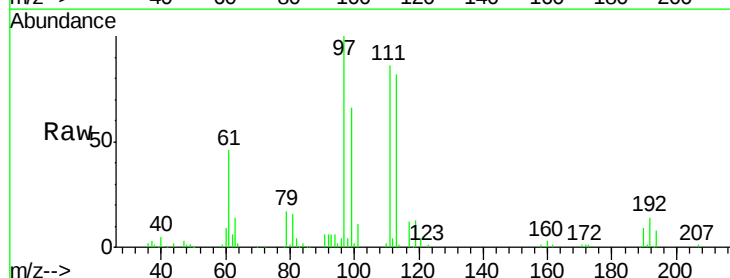
Tgt Ion: 97 Resp: 149032

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 45.0 35.4 53.0

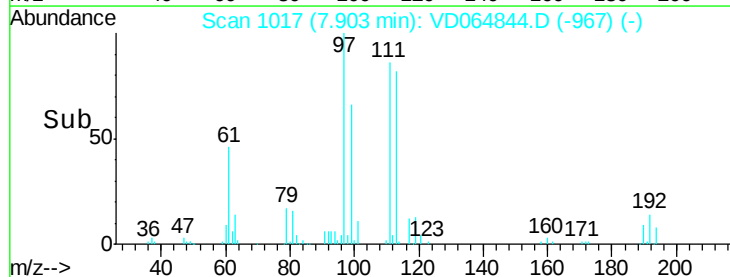
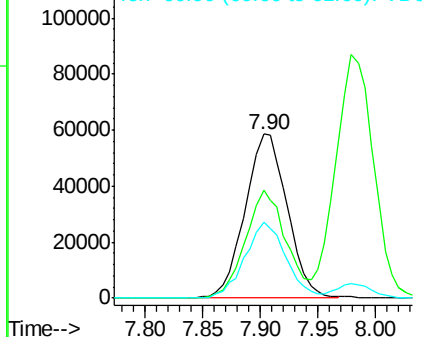


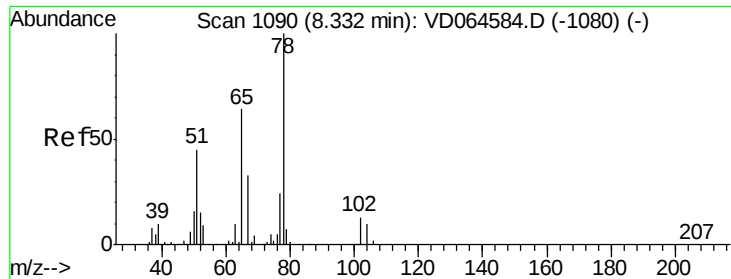
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 61.228 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 65 Resp: 202283

Ion Ratio Lower Upper

65 100

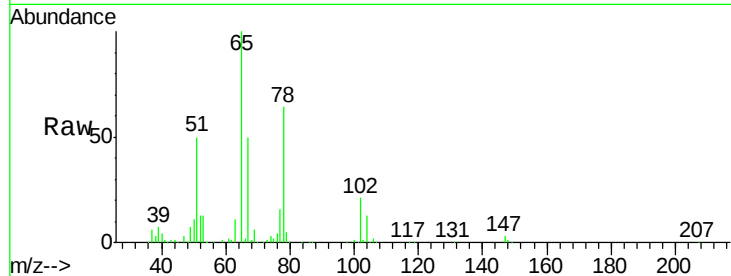
67 50.2 0.0 106.2

Manual Integrations

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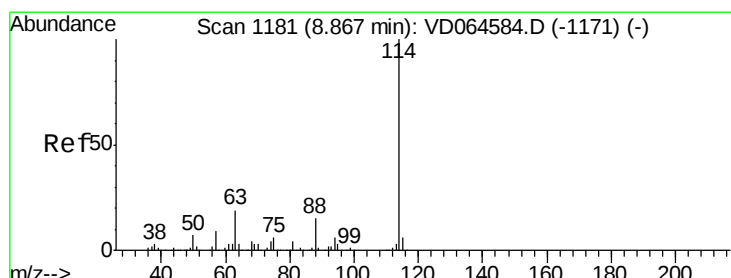
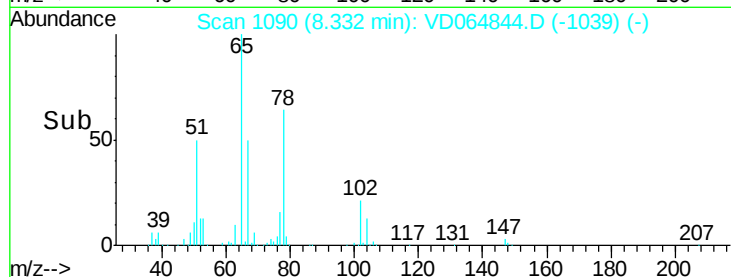
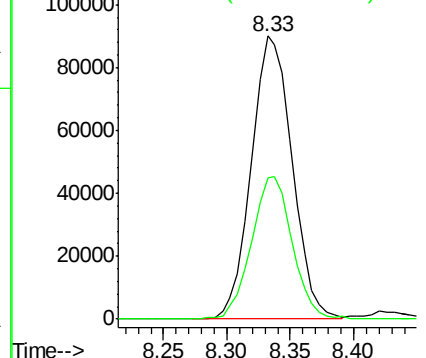
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

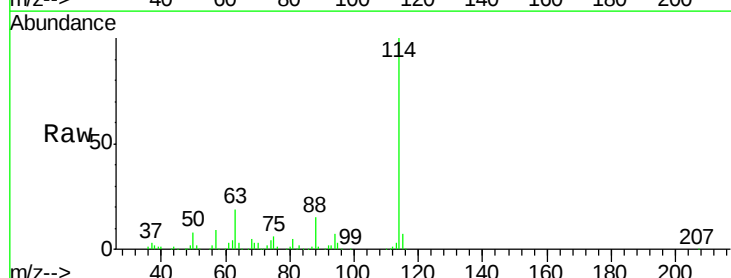
Tgt Ion: 114 Resp: 559486

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.0

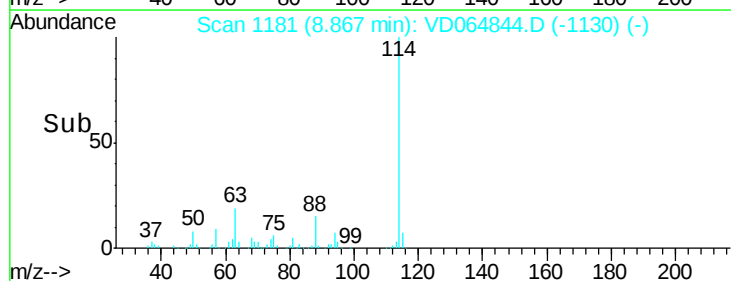
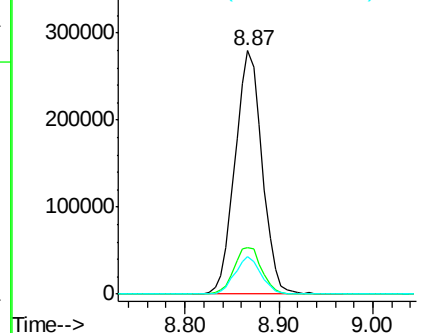
88 15.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





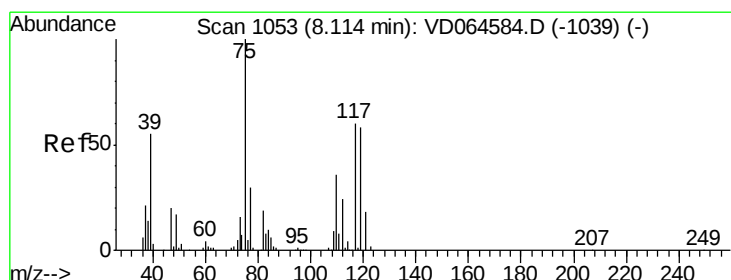
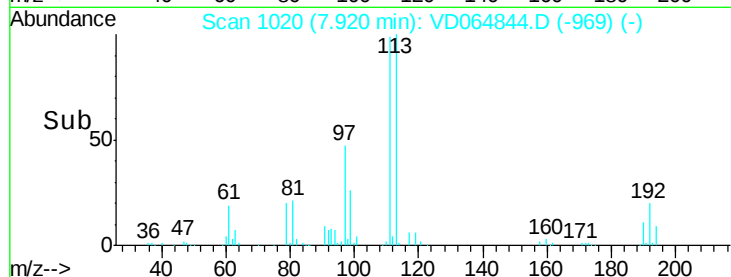
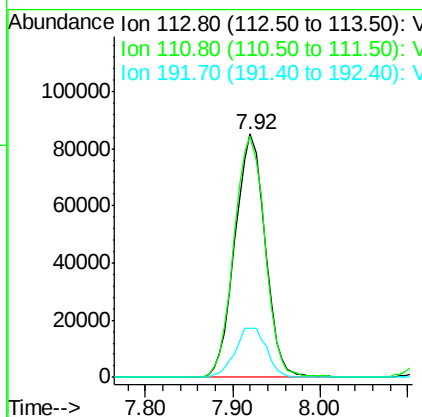
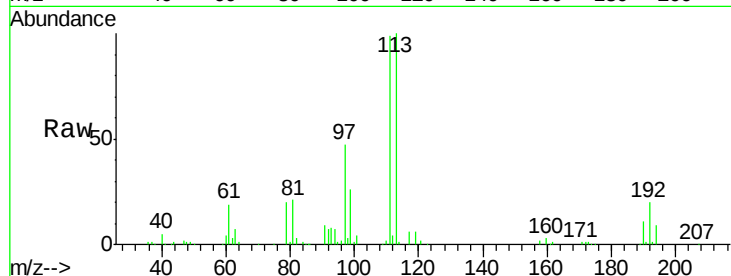
#35
 Dibromofluoromethane
 Concen: 58.281 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200051		
111	101.1	80.6	121.0	
192	21.2	17.9	26.9	

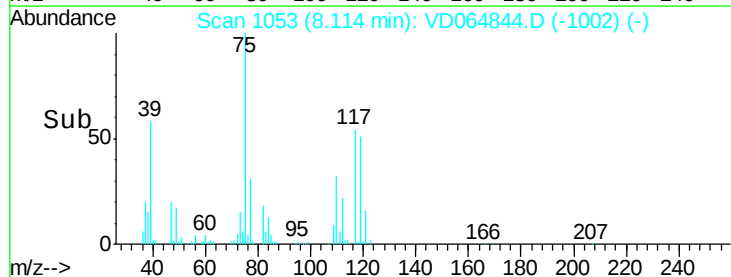
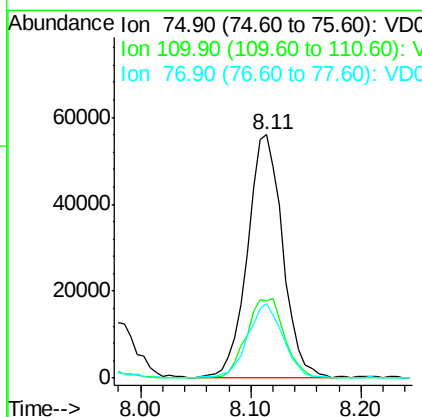
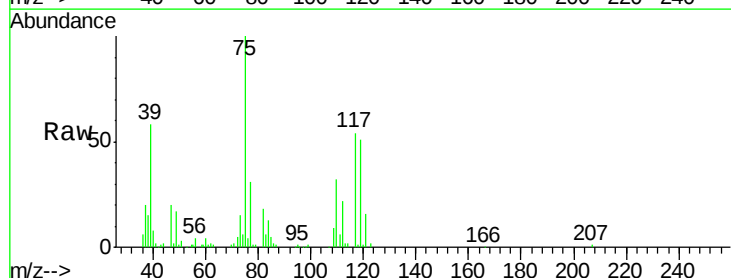
Manual Integrations
 APPROVED

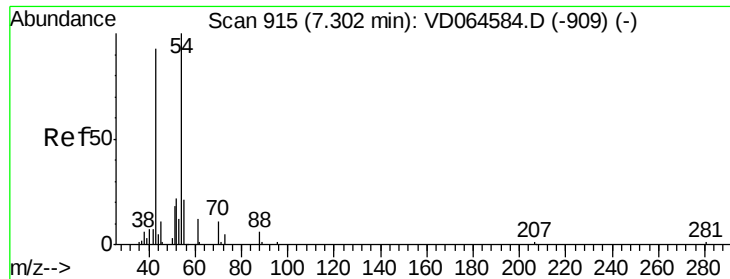
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#36
 1,1-Dichloropropene
 Concen: 23.396 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125991		
110	35.3	18.1	54.1	
77	31.0	24.2	36.4	





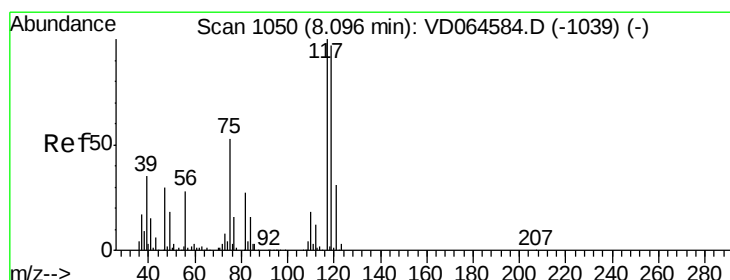
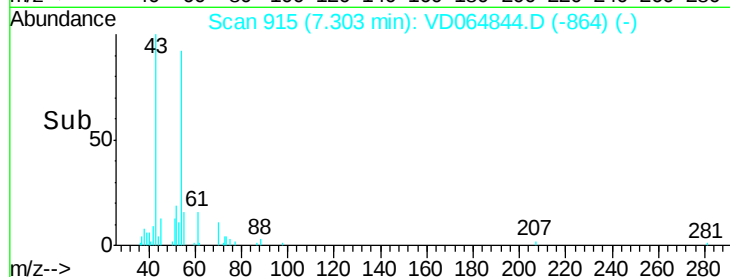
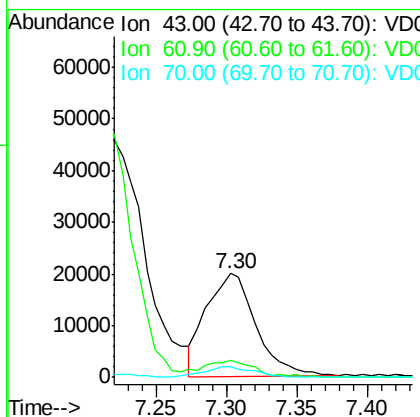
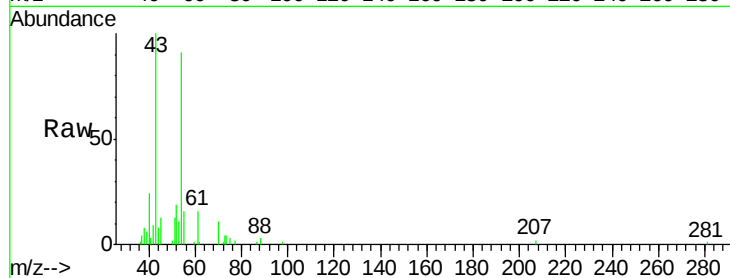
#37
Ethyl Acetate
Concen: 22.832 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	10.3	15.5#
70	10.6	7.6	11.4

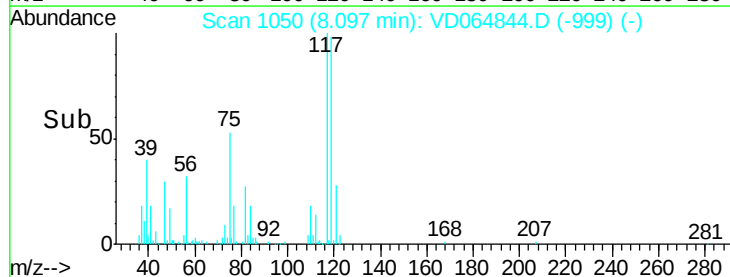
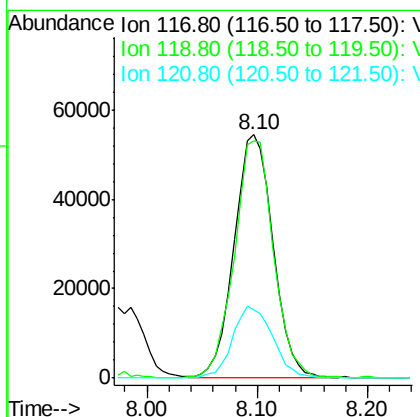
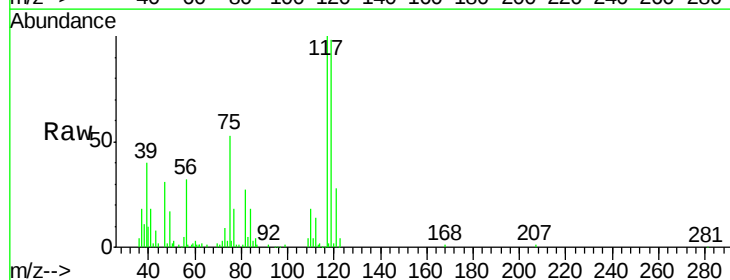
Manual Integrations
APPROVED

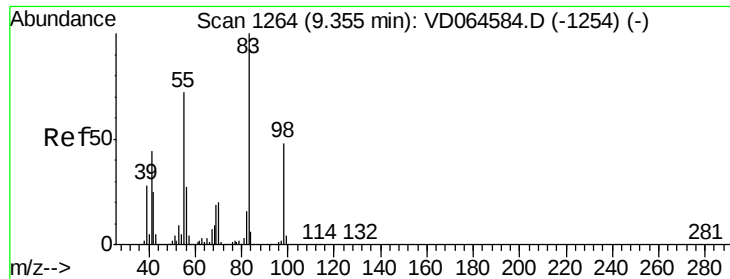
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#38
Carbon Tetrachloride
Concen: 23.585 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.3	115.9
121	28.1	25.0	37.6





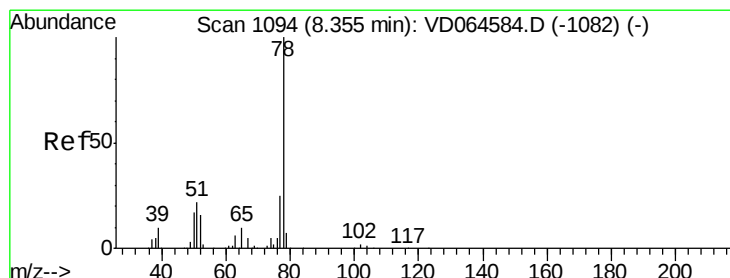
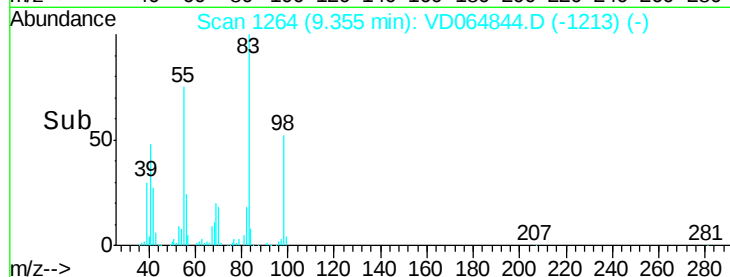
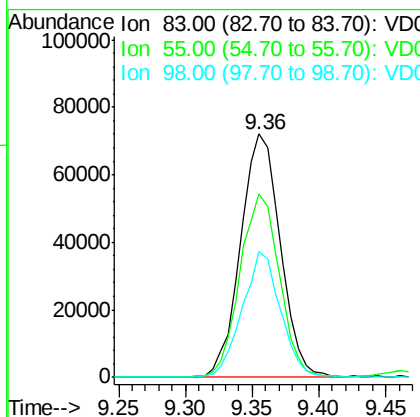
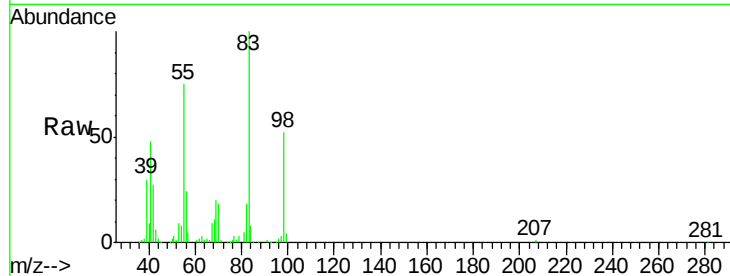
#39
Methvlcvclohexane
Concen: 22.780 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	57.8	86.6
98	51.6	38.7	58.1

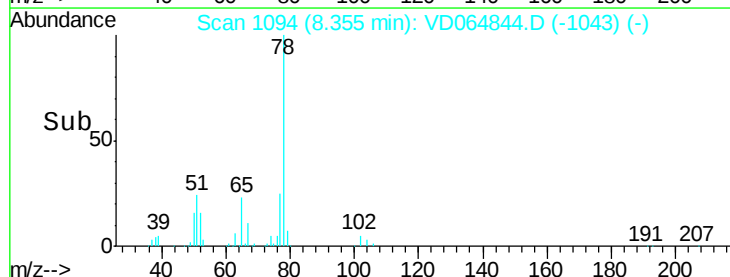
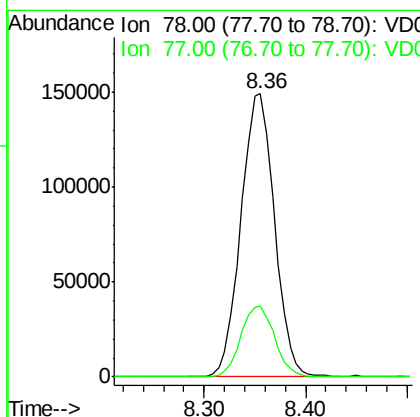
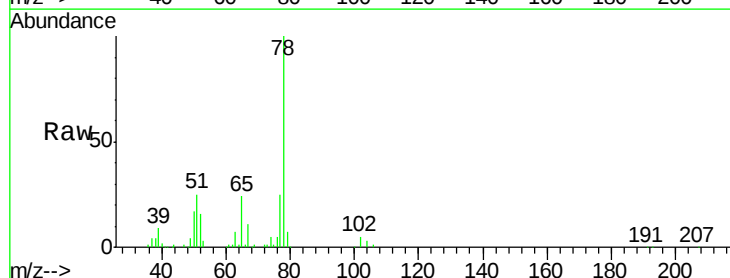
Manual Integrations
APPROVED

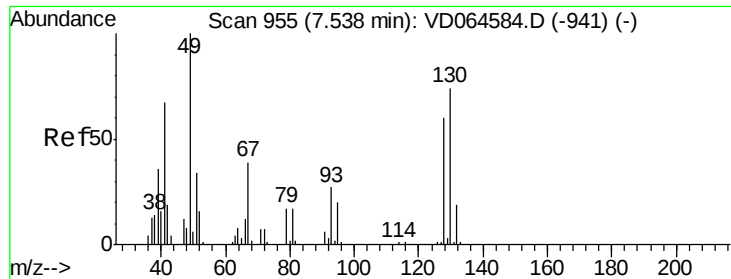
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#40
Benzene
Concen: 23.364 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.9	29.9





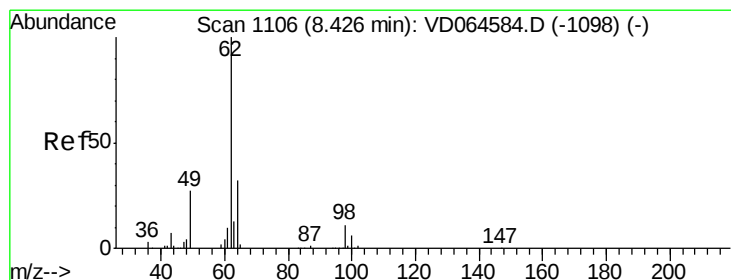
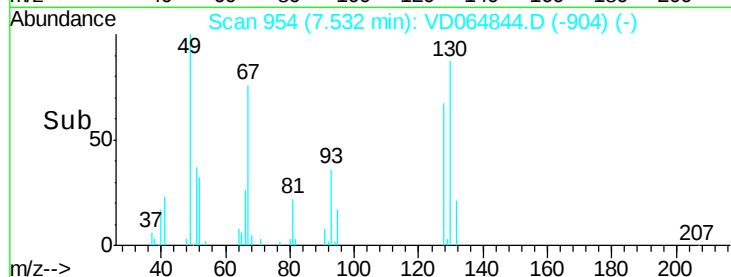
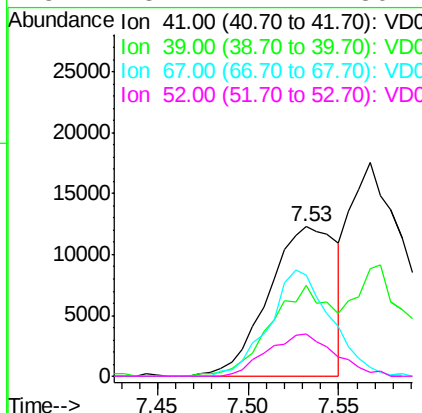
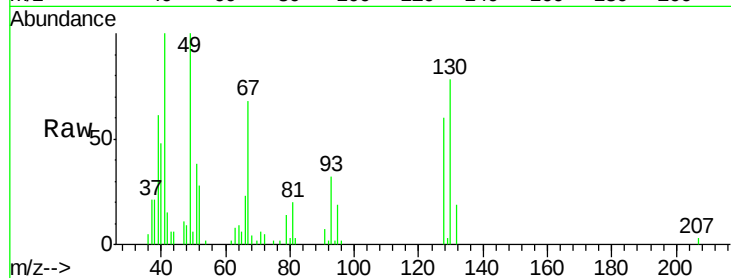
#41
Methacrylonitrile
Concen: 26.226 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	41	Resp	32190
Ion	Ratio	Lower	Upper
41	100		
39	54.7	46.7	70.1
67	64.7	52.5	78.7
52	28.1	24.1	36.1

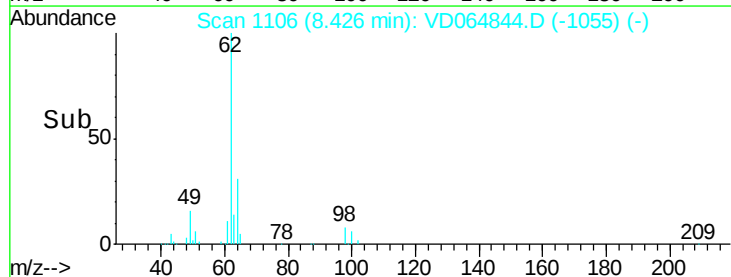
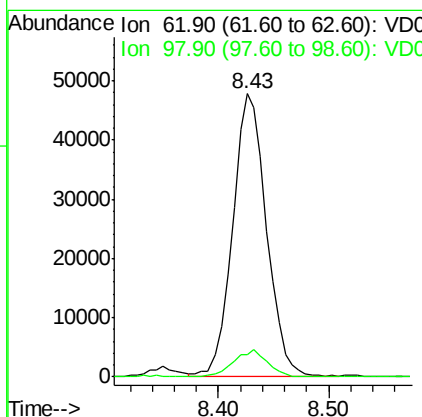
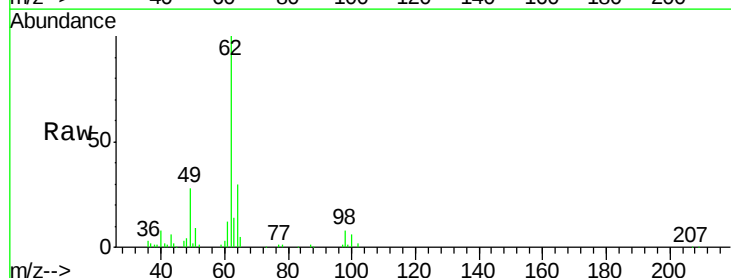
Manual Integrations
APPROVED

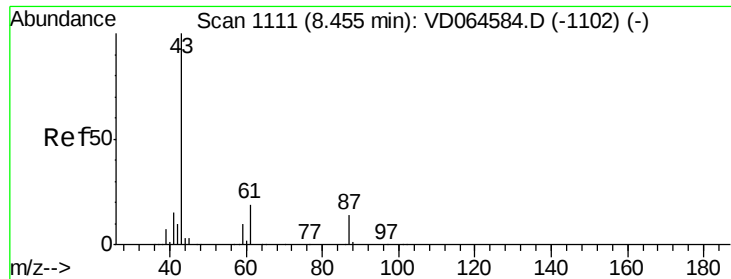
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1/14/2020 1:28:28 PM



#42
1,2-Dichloroethane
Concen: 24.021 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	62	Resp	102042
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





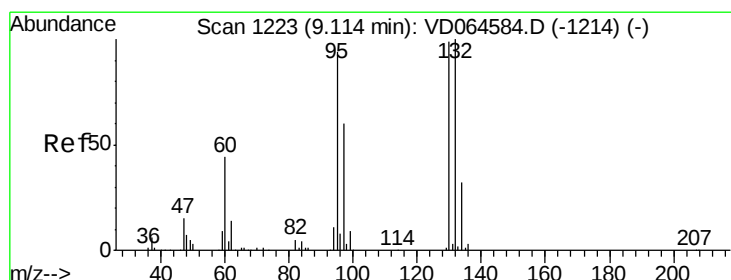
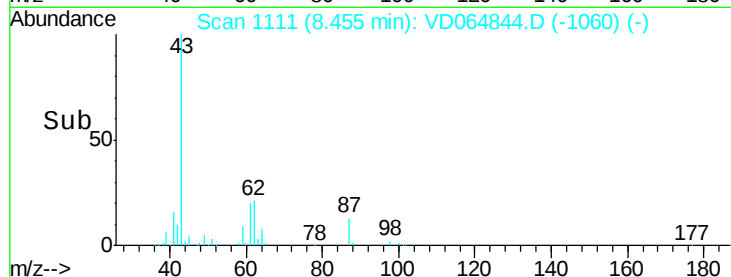
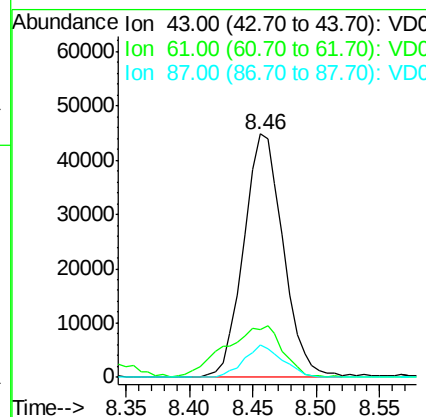
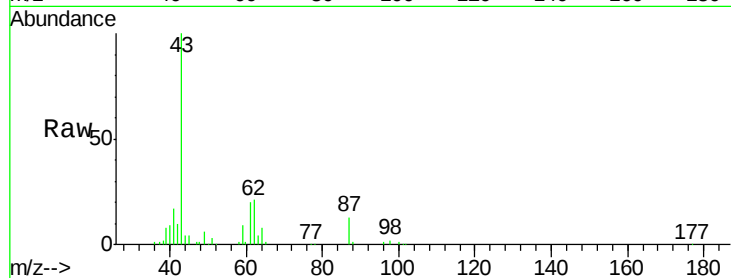
#43
Isopropyl Acetate
Concen: 23.104 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.7	35.5
87	12.8	10.5	15.7

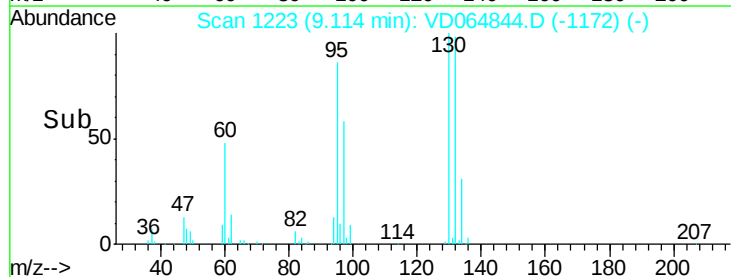
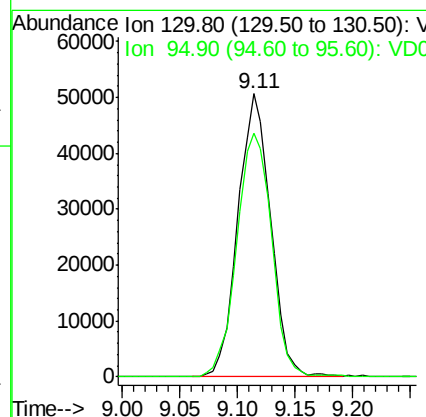
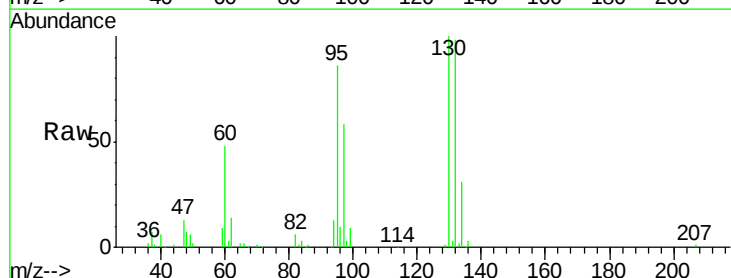
Manual Integrations
APPROVED

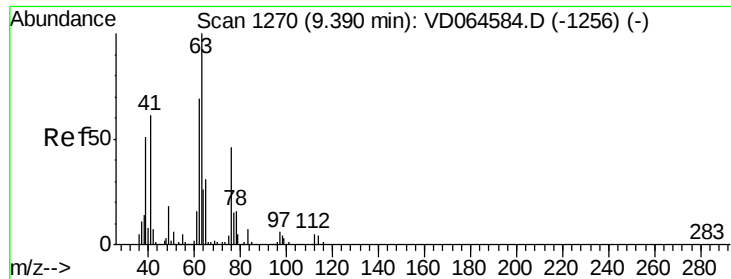
MMDadoda
1/14/2020 1:28:28 PM



#44
Trichloroethene
Concen: 23.087 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.2	0.0	190.2





#45

1,2-Dichloropropane

Concen: 23.892 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 63 Resp: 83858

Ion Ratio Lower Upper

63 100

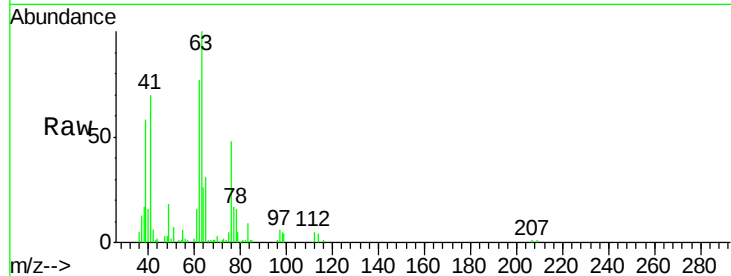
65 30.5 25.2 37.8

Manual Integrations

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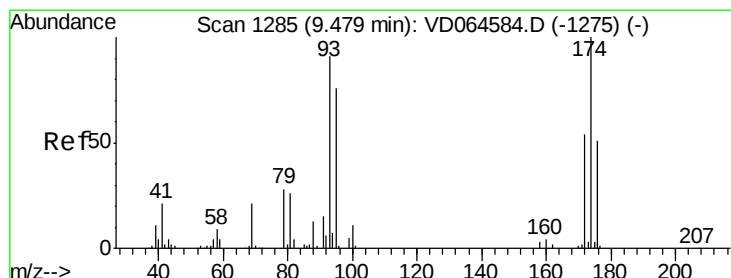
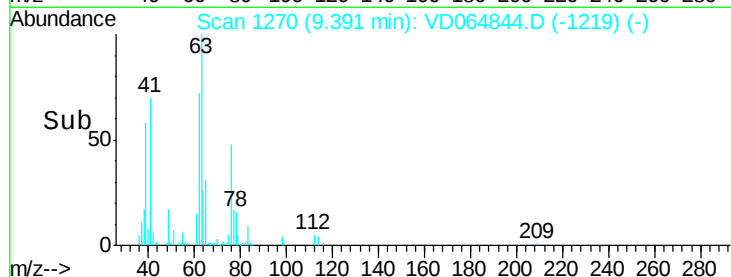
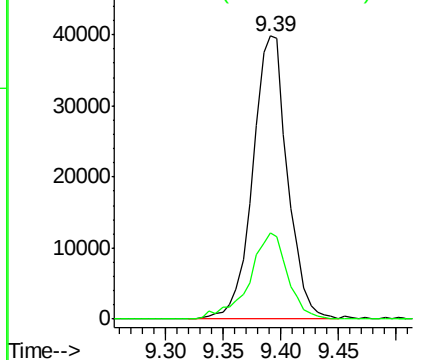
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 23.575 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

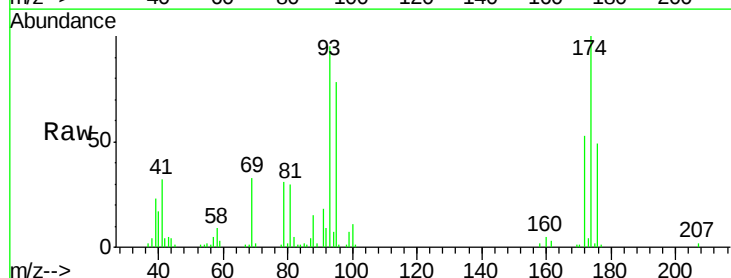
Tgt Ion: 93 Resp: 46135

Ion Ratio Lower Upper

93 100

95 82.4 64.6 97.0

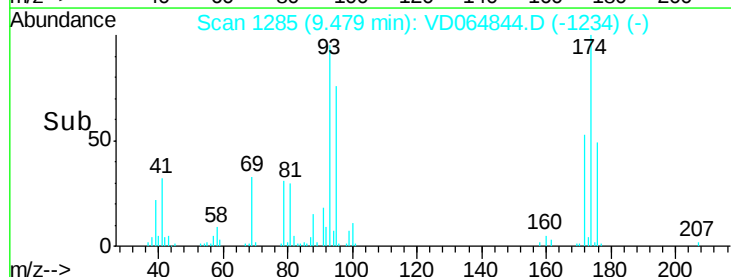
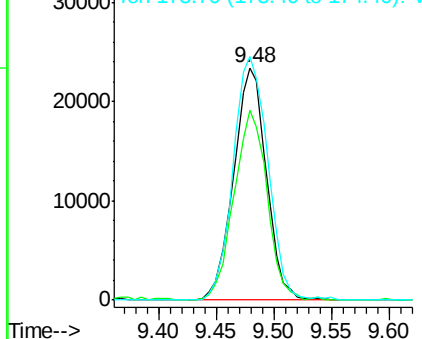
174 110.9 88.1 132.1

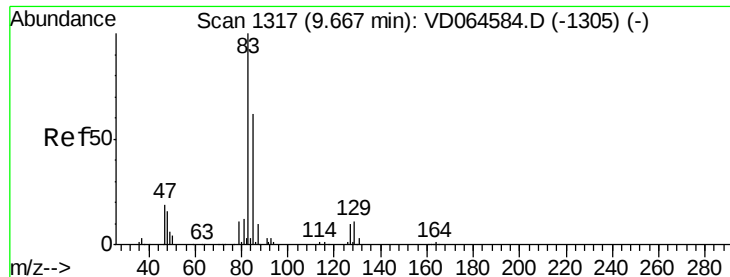


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.840 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

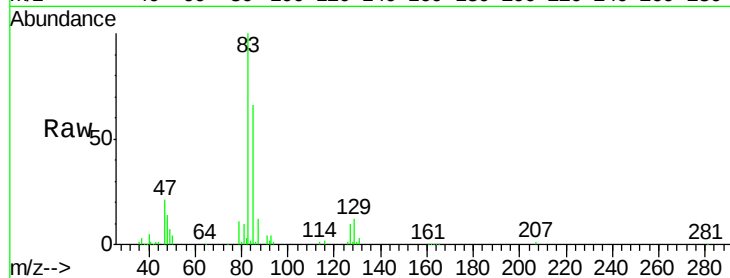
ClientSampleId :

VD0113SBS01

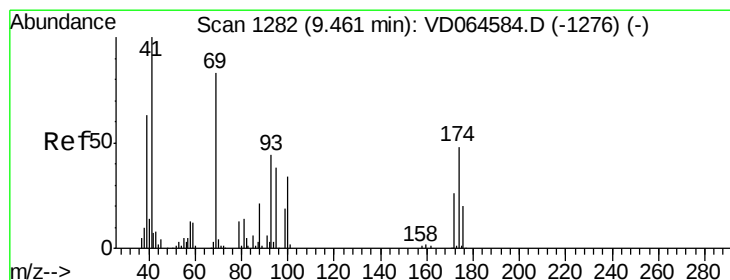
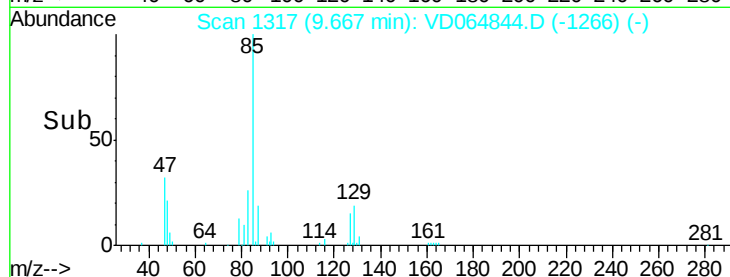
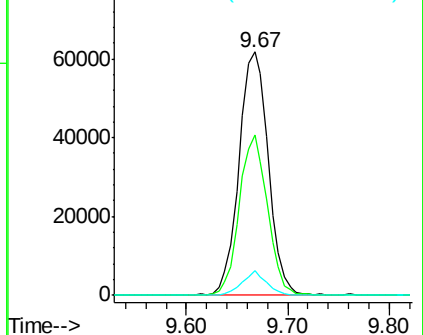
Tot Ion:	83	Resp:	124140
Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.5	74.3
127	10.2	7.8	11.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.191 ug/l

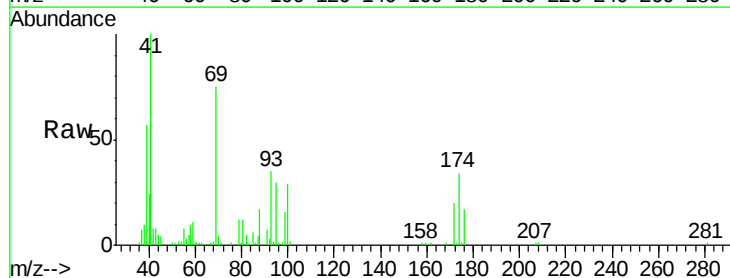
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

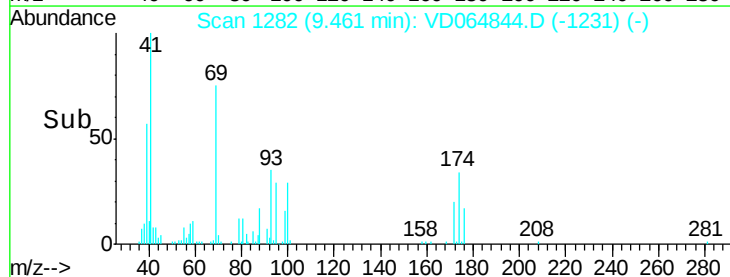
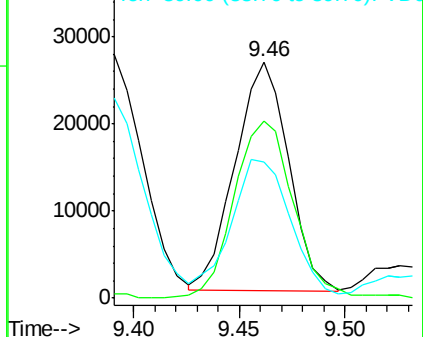
Lab File: VD064844.D

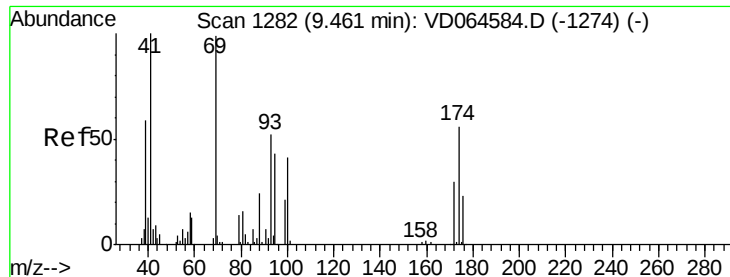
Acq: 13 Jan 2020 12:42

Tgt Ion:	41	Resp:	45979
Ion	Ratio	Lower	Upper
41	100		
69	85.9	63.0	94.6
39	68.8	47.4	71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





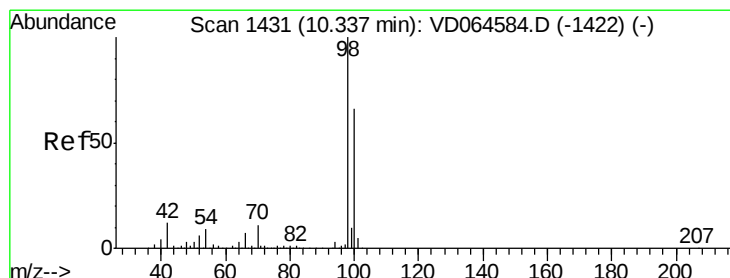
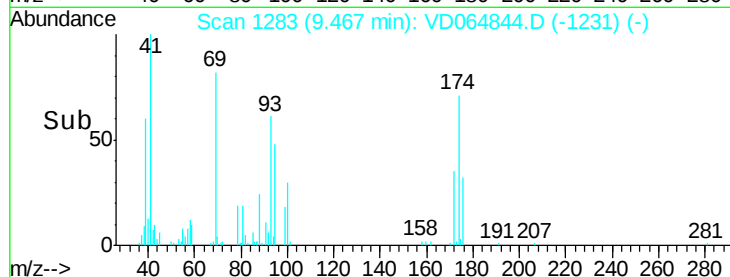
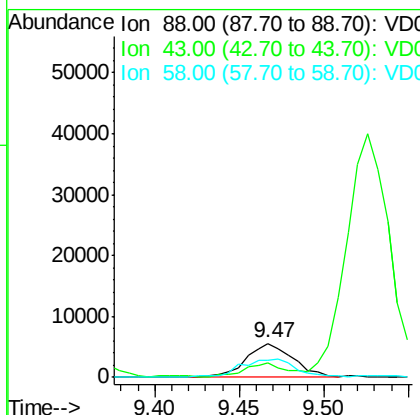
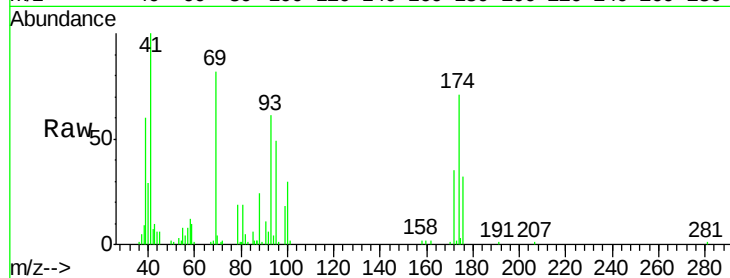
#49
1,4-Dioxane
Concen: 472.820 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	88	Resp	10669
Ion Ratio	Lower	Upper	
88	100		
43	38.4	27.7	41.5
58	64.8	53.8	80.6

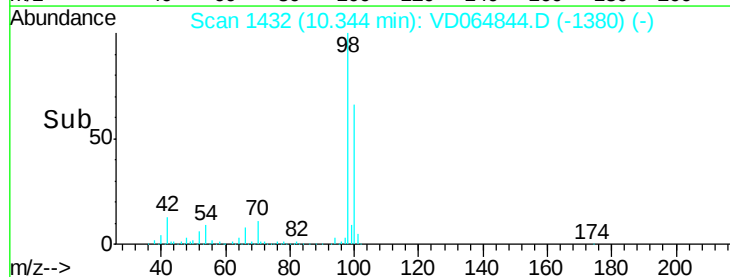
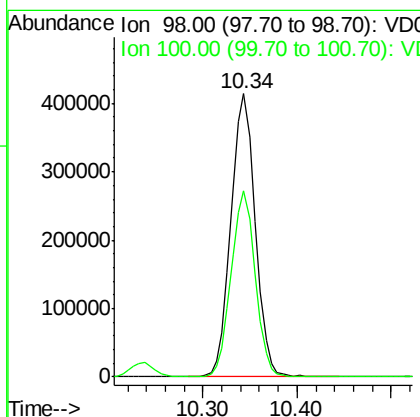
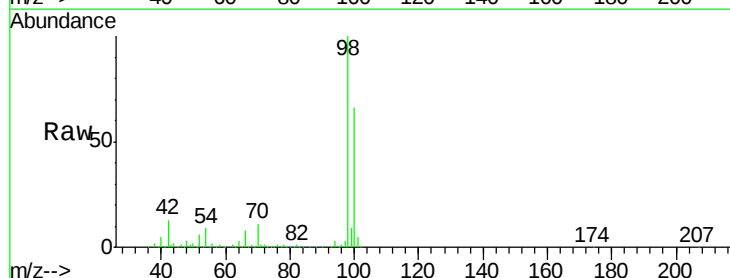
Manual Integrations
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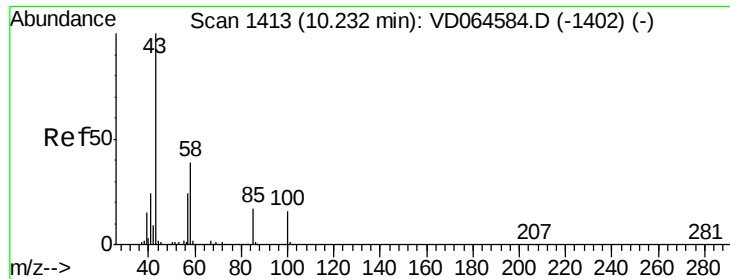
MMDadoda
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#50
Toluene-d8
Concen: 56.687 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	98	Resp	745226
Ion Ratio	Lower	Upper	
98	100		
100	65.1	51.7	77.5





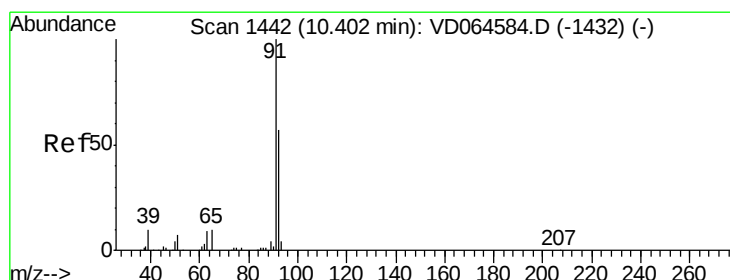
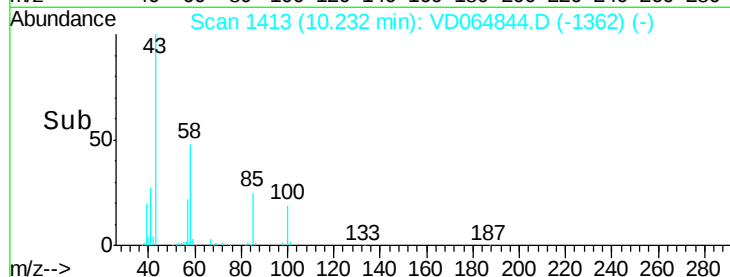
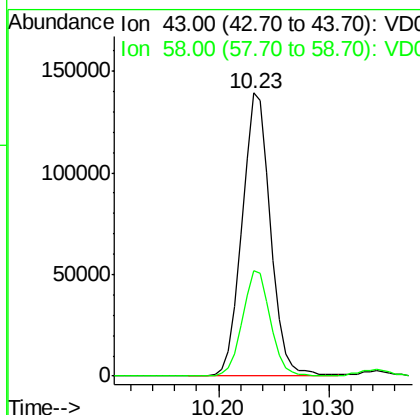
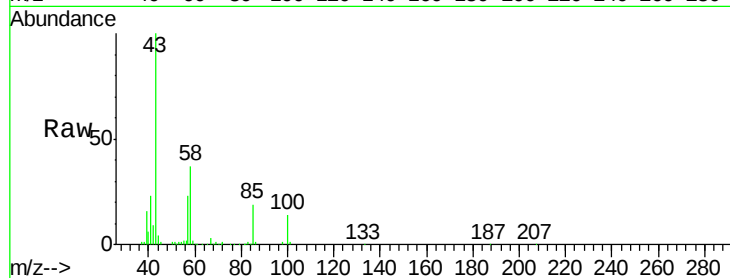
#51
4-Methyl-2-Pentanone
Concen: 121.117 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.2	45.2

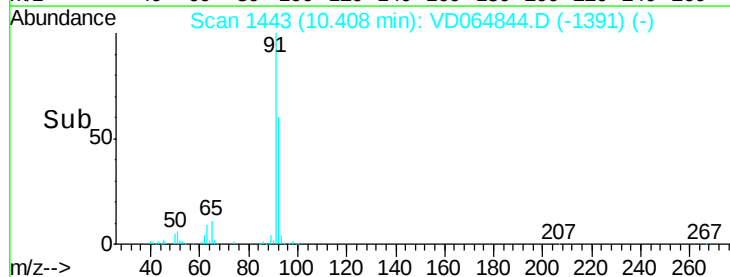
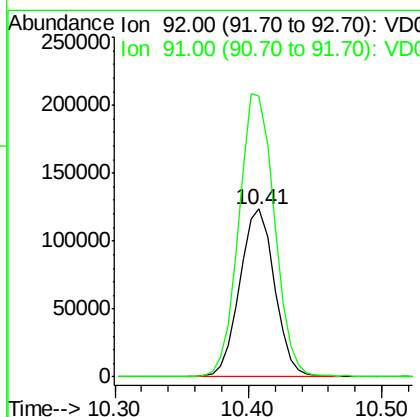
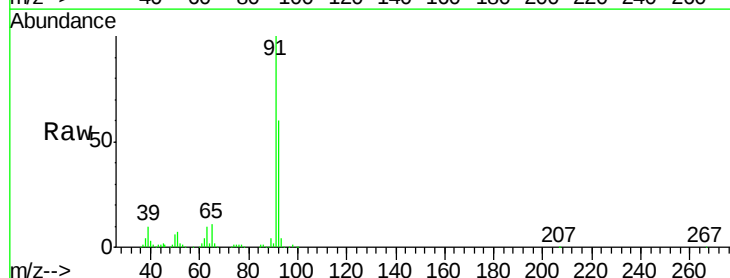
Manual Integrations
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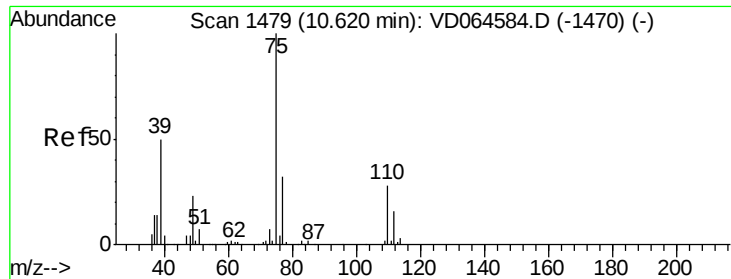
MMDadoda
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#52
Toluene
Concen: 23.174 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.7	208.1





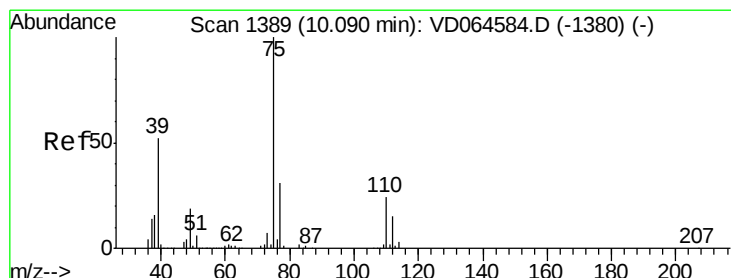
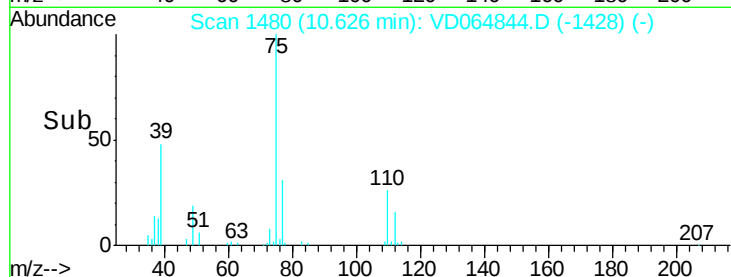
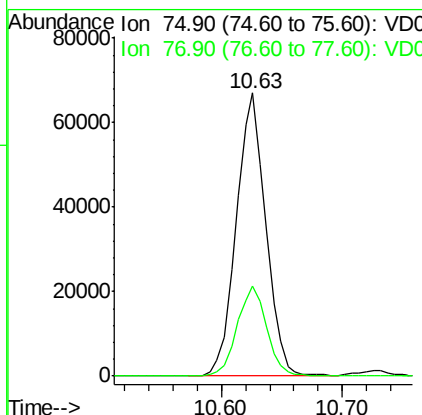
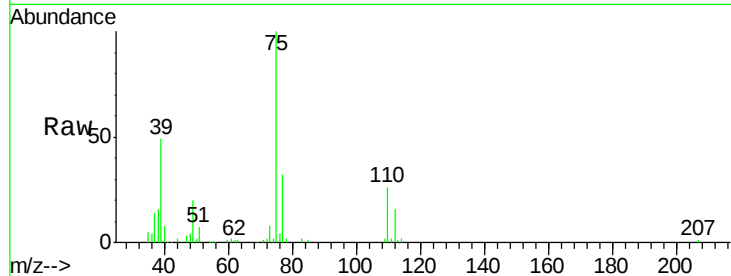
#53
t-1,3-Dichloropropene
Concen: 23.609 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion: 75 Resp: 114618
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

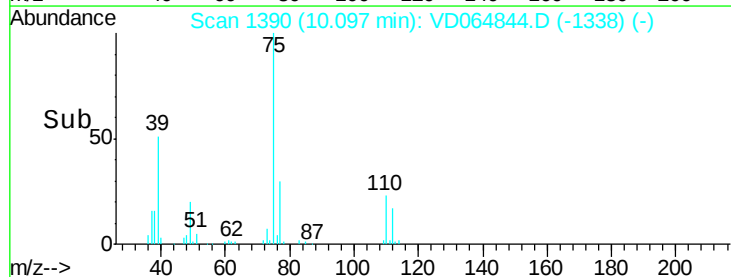
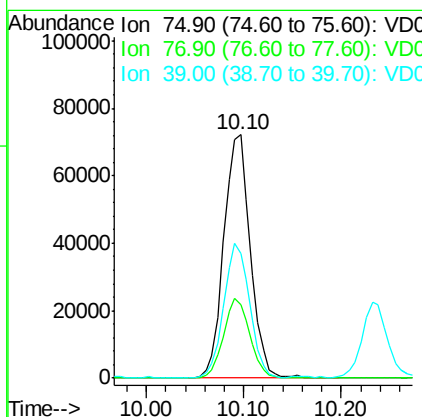
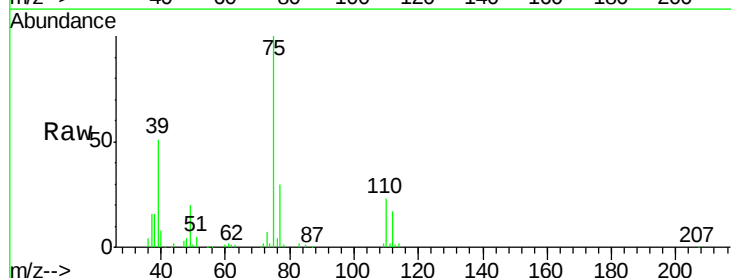
Manual Integrations
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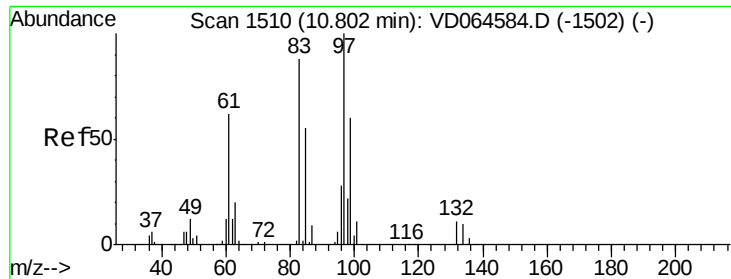
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1/14/2020 1:28:28 PM



#54
cis-1,3-Dichloropropene
Concen: 23.706 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 75 Resp: 135706
Ion Ratio Lower Upper
75 100
77 30.3 24.6 36.8
39 51.3 41.4 62.2





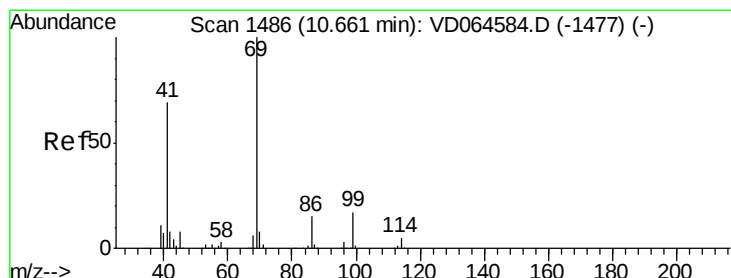
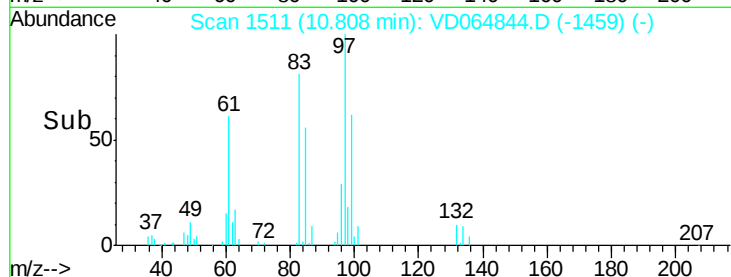
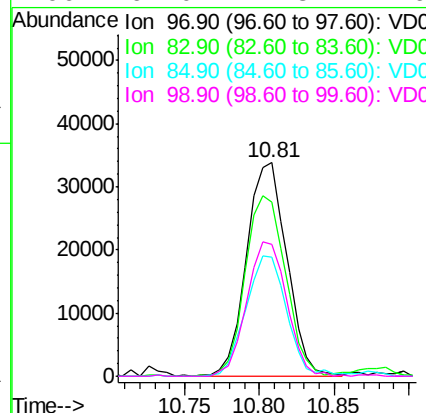
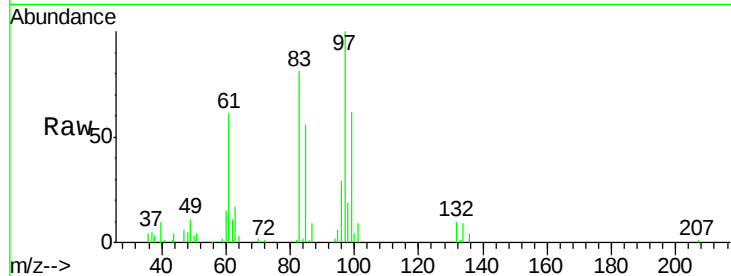
#55
 1,1,2-Trichloroethane
 Concen: 23.970 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.5	70.2	105.4
85	55.9	44.0	66.0
99	62.0	47.8	71.6

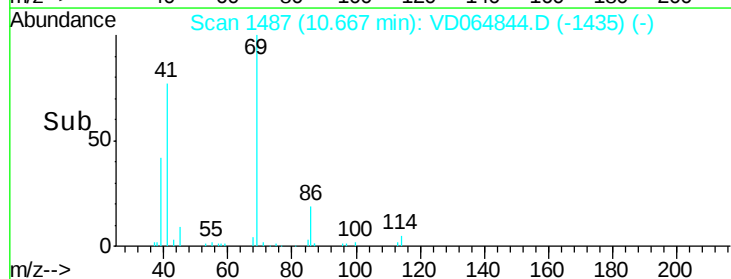
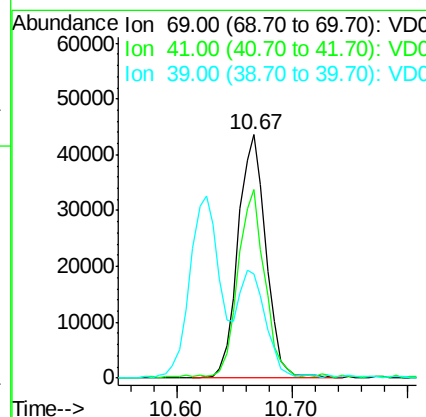
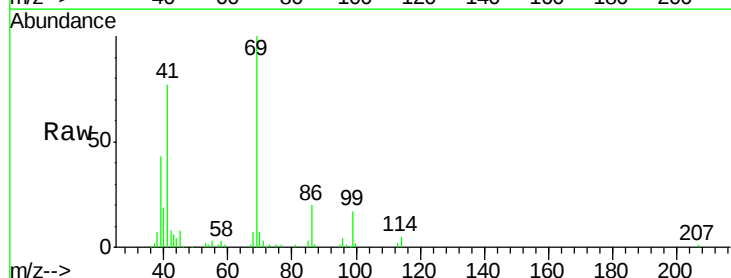
Manual Integrations
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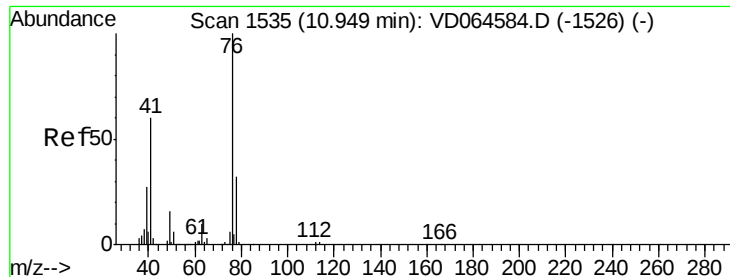
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 1/14/2020 1:28:28 PM



#56
 Ethyl methacrylate
 Concen: 22.178 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.9	55.3	82.9
39	41.9	33.8	50.8





#57

1,3-Dichloropropane

Concen: 23.752 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tot Ion: 76 Resp: 107854

Ion Ratio Lower Upper

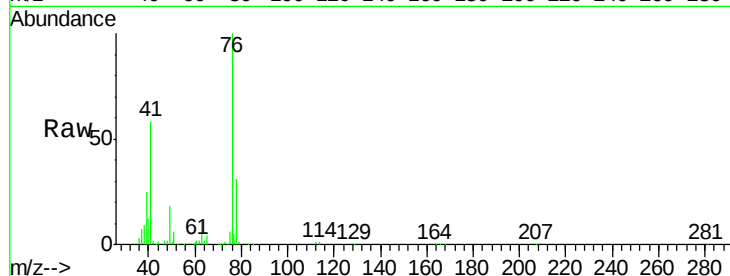
76 100

78 33.0 26.2 39.4

Manual Integrations
APPROVED

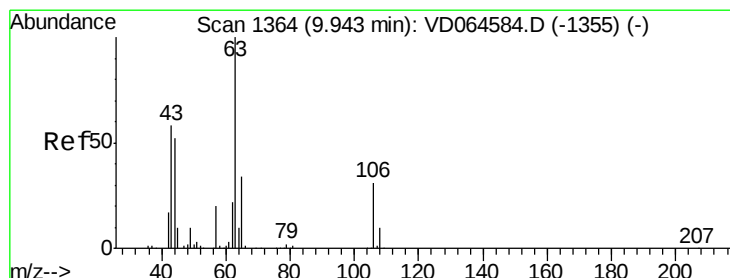
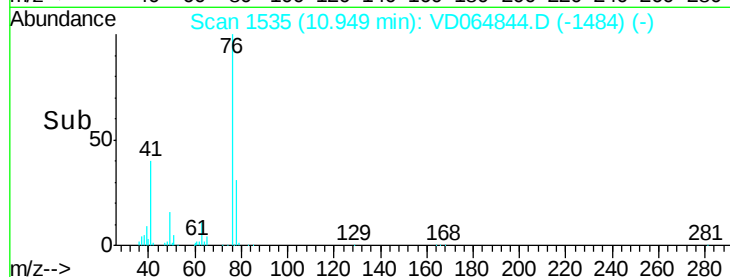
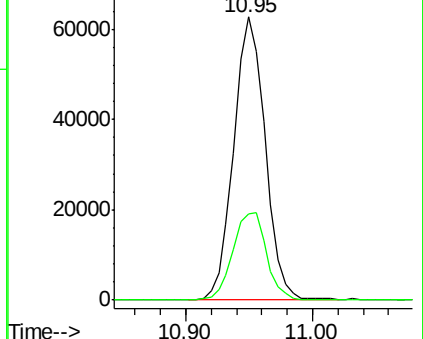
MMDadoda

1/14/2020 1:28:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 127.131 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064844.D

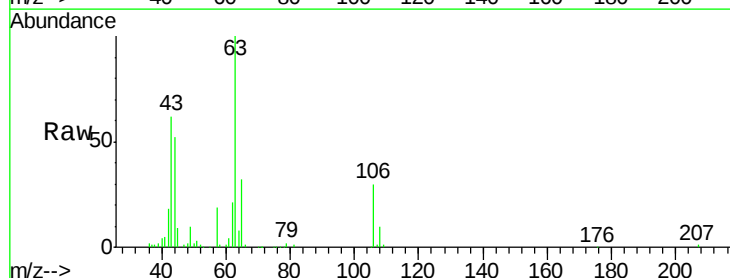
Acq: 13 Jan 2020 12:42

Tgt Ion: 63 Resp: 159529

Ion Ratio Lower Upper

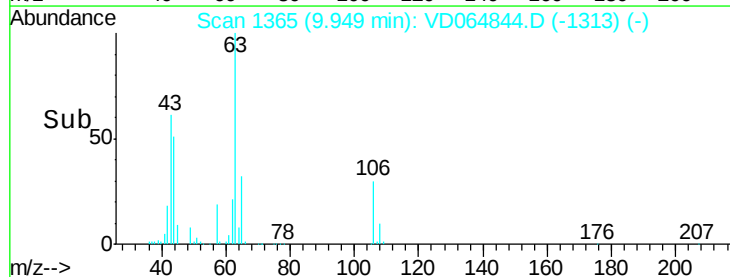
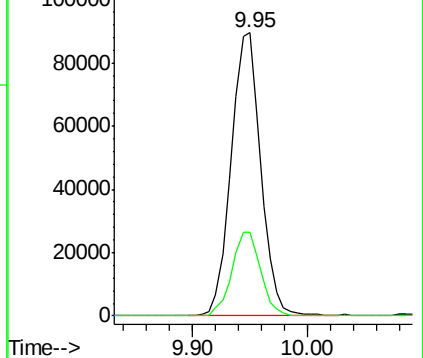
63 100

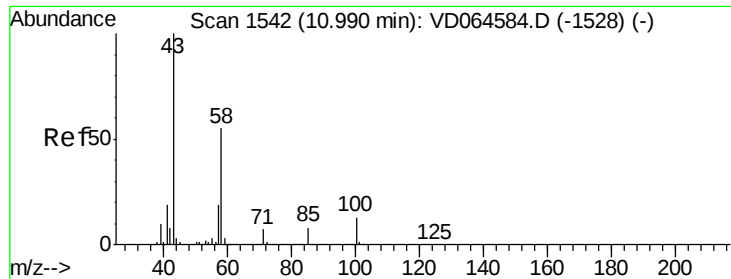
106 28.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





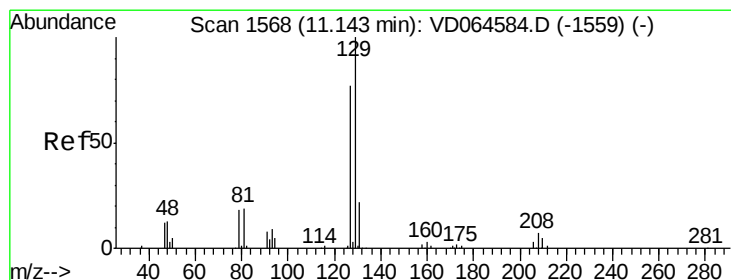
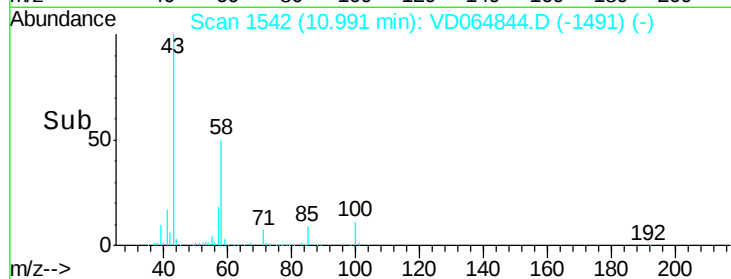
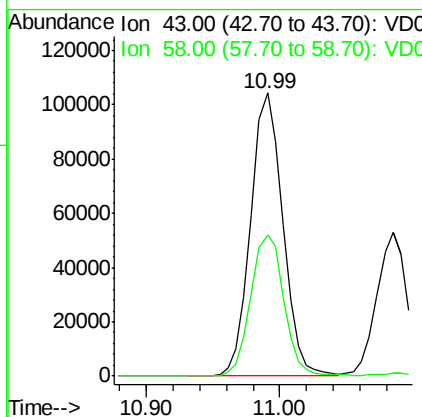
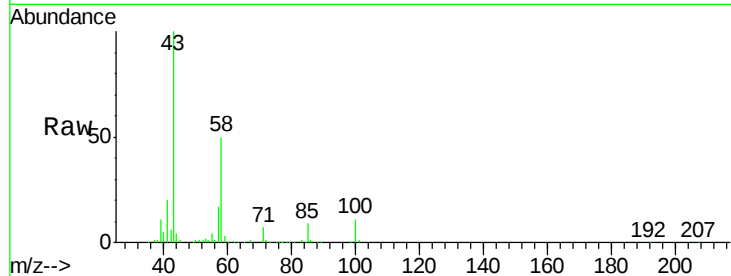
#59
2-Hexanone
Concen: 123.196 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion: 43 Resp: 174029
Ion Ratio Lower Upper
43 100
58 51.5 26.4 79.0

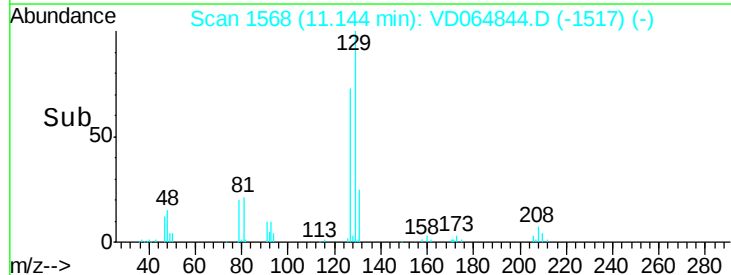
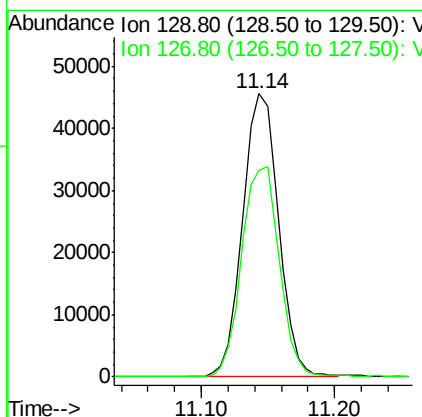
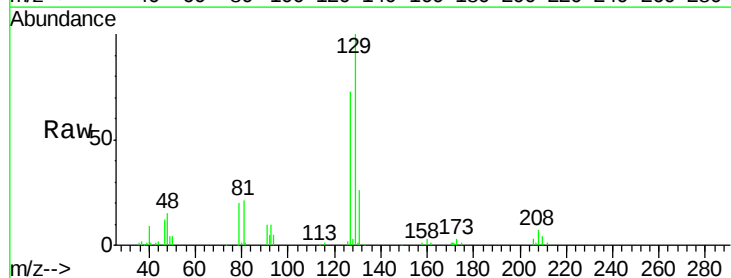
Manual Integrations
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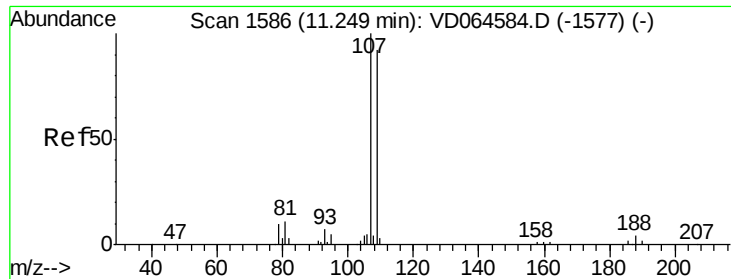
MMDadoda
1/14/2020 1:28:28 PM



#60
Dibromochloromethane
Concen: 23.234 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 129 Resp: 84736
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2





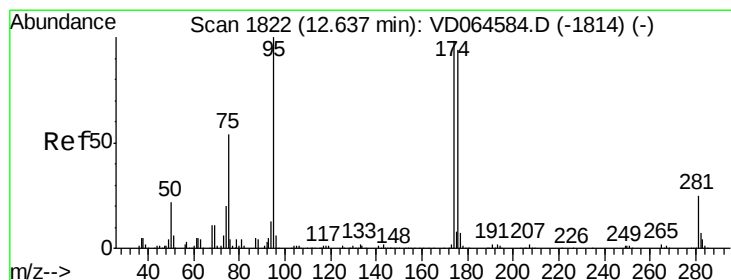
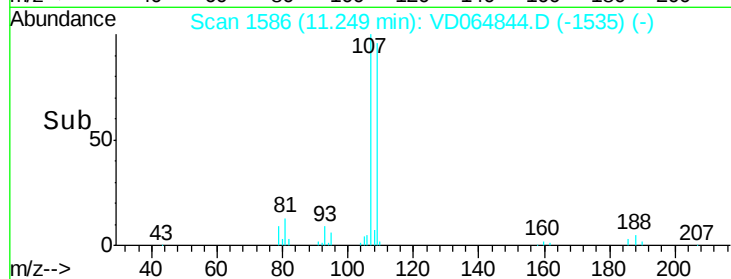
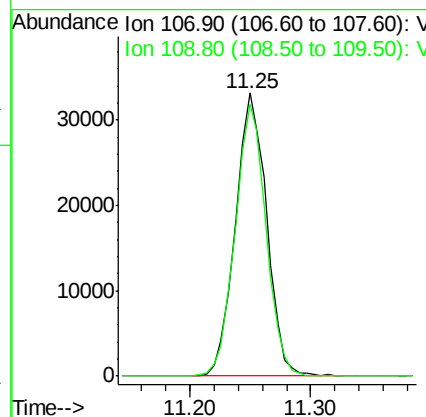
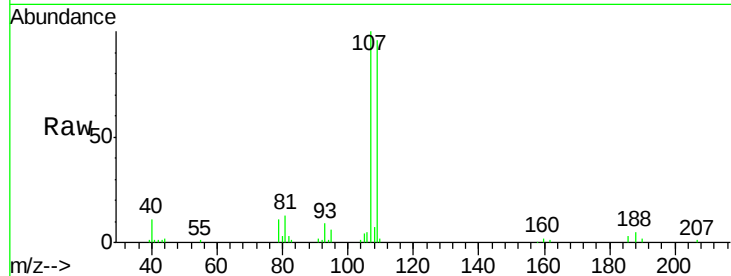
#61
 1,2-Dibromoethane
 Concen: 22.979 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion: 107 Resp: 59774
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.6 113.4

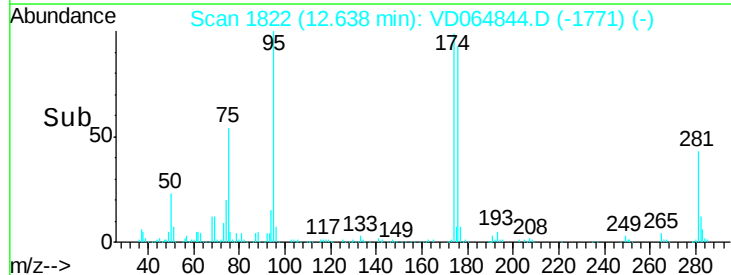
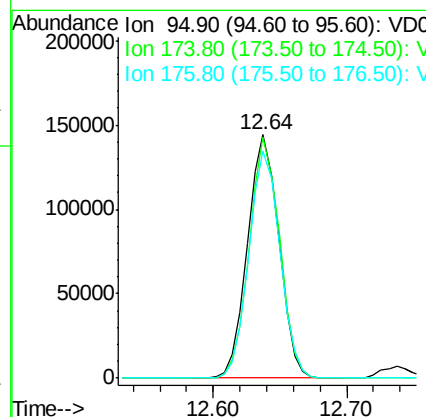
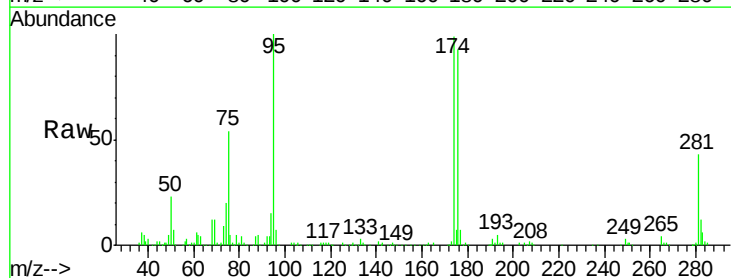
Manual Integrations
 APPROVED

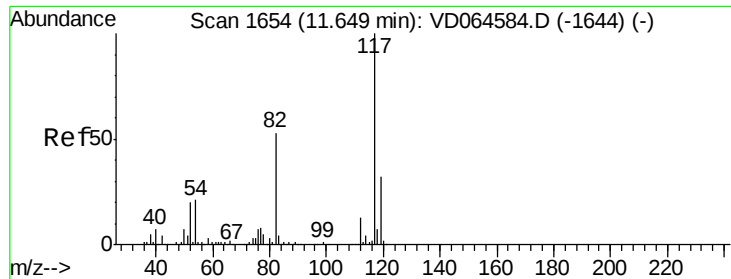
MMDadoda
 1/14/2020 1:28:28 PM



#62
 4-Bromofluorobenzene
 Concen: 56.278 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 95 Resp: 233949
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 193.2
 176 92.3 0.0 184.2





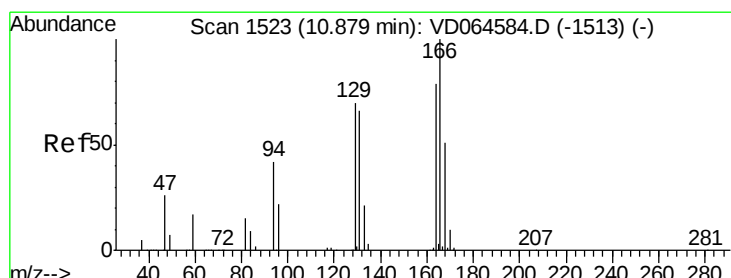
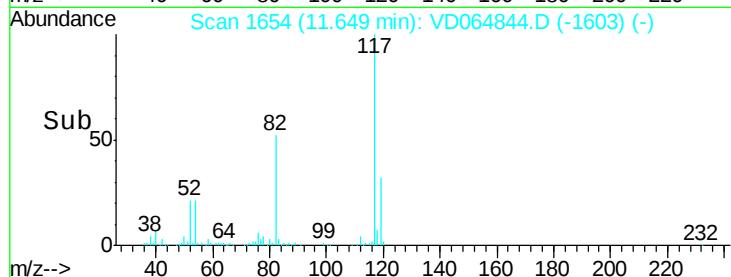
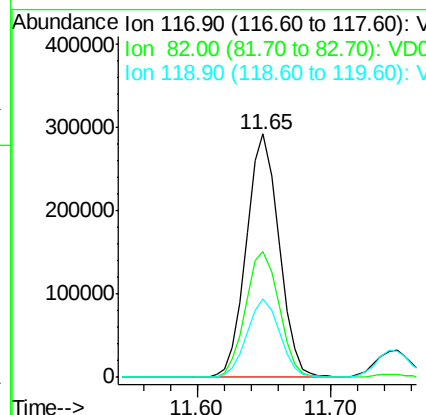
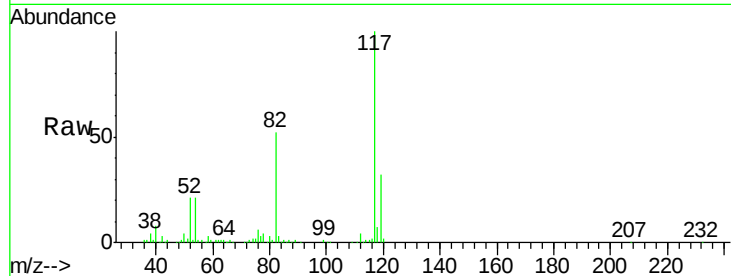
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.2	63.4
119	32.5	26.0	39.0

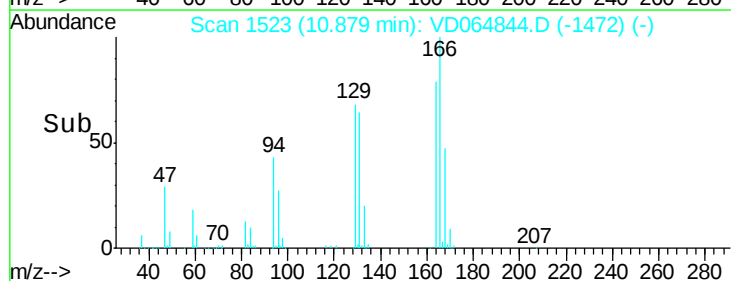
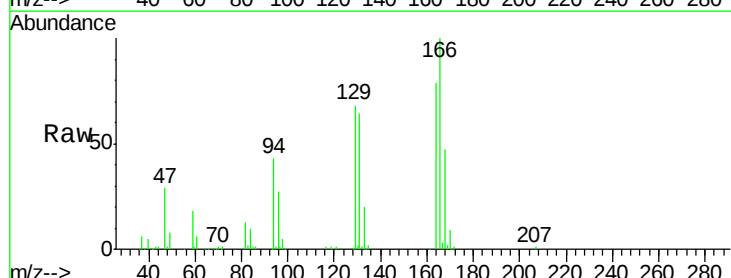
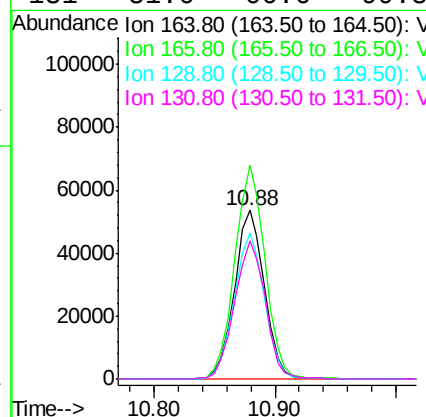
Manual Integrations
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#64
Tetrachloroethene
Concen: 24.314 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.3	151.9
129	86.4	70.5	105.7
131	81.6	66.6	99.8





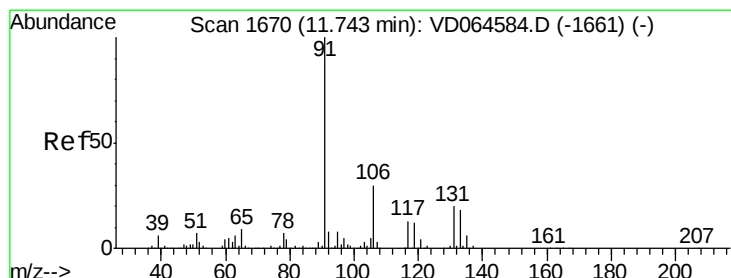
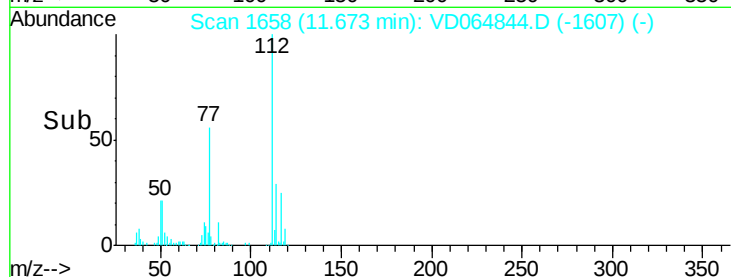
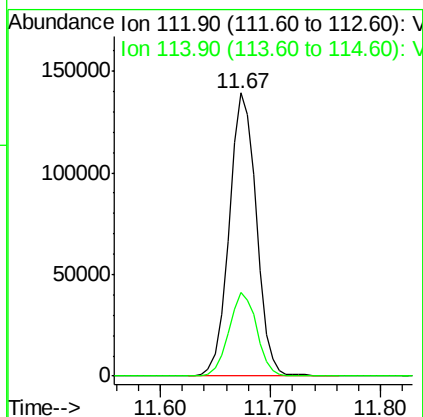
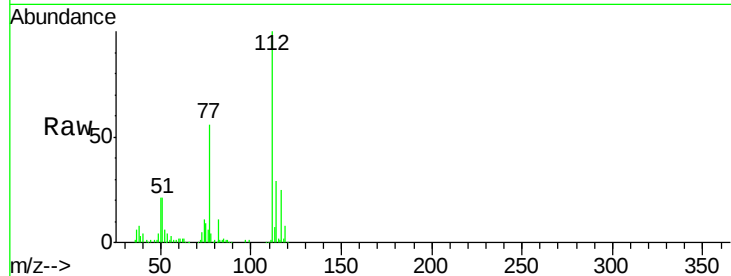
#65
Chlorobenzene
Concen: 23.370 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.4	24.8	37.2

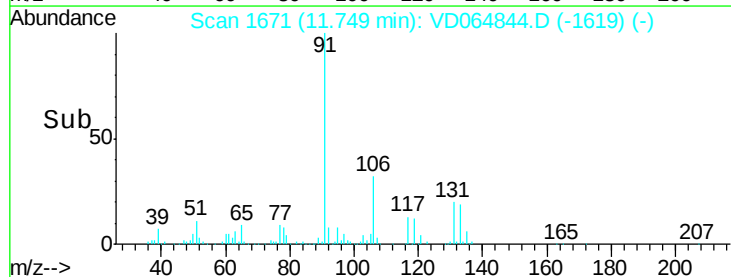
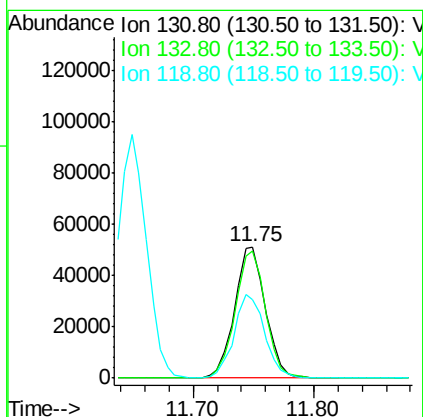
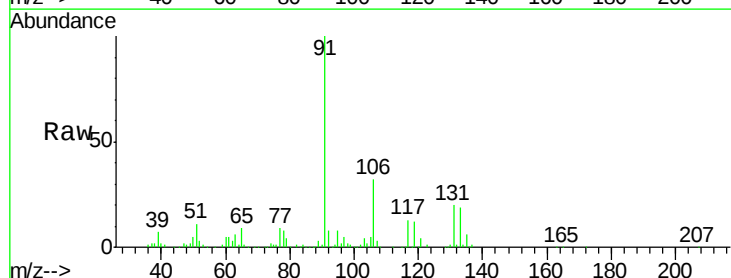
Manual Integrations
APPROVED

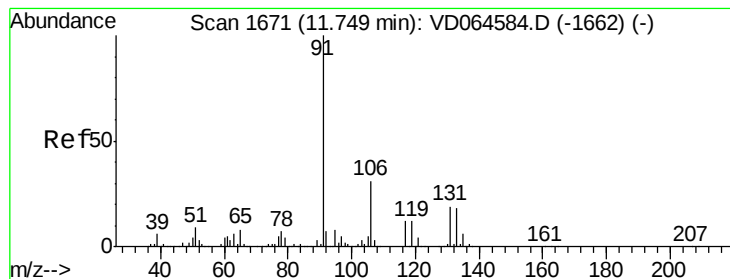
MMDadoda
1/14/2020 1:28:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.516 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.3	144.8
119	63.8	32.1	96.3





#67

Ethyl Benzene

Concen: 22.840 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 91 Resp: 425947

Ion Ratio Lower Upper

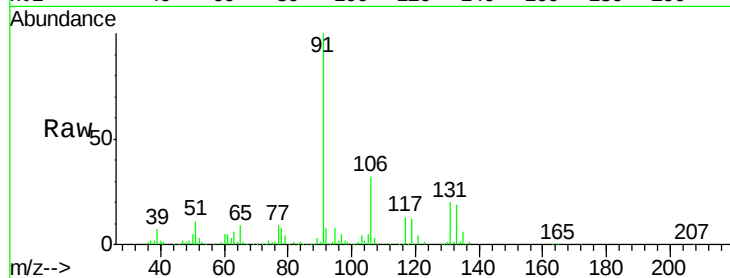
91 100

106 31.7 24.6 36.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

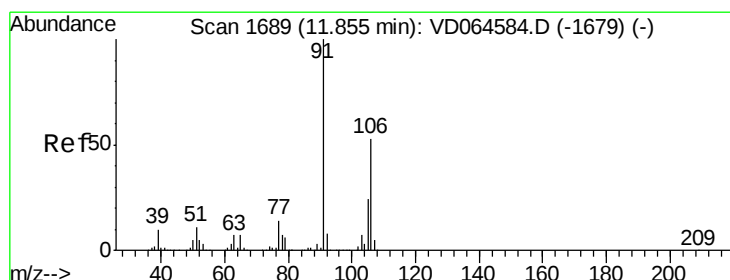
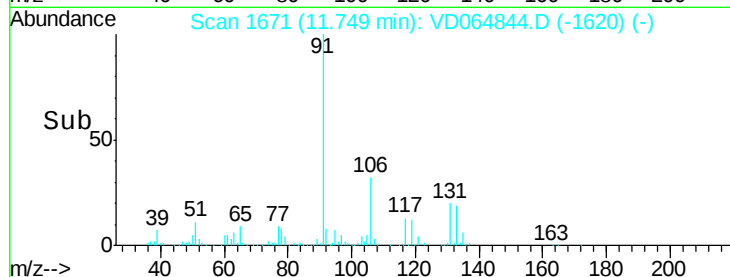
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 45.213 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064844.D

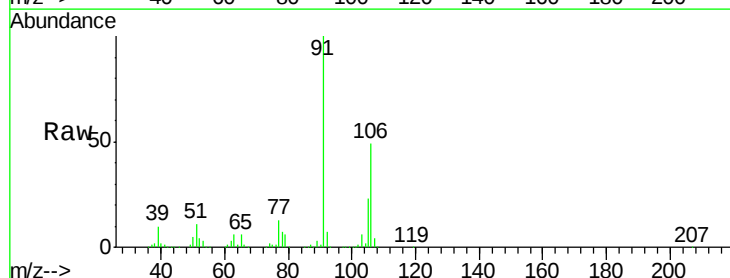
Acq: 13 Jan 2020 12:42

Tgt Ion: 106 Resp: 325451

Ion Ratio Lower Upper

106 100

91 198.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

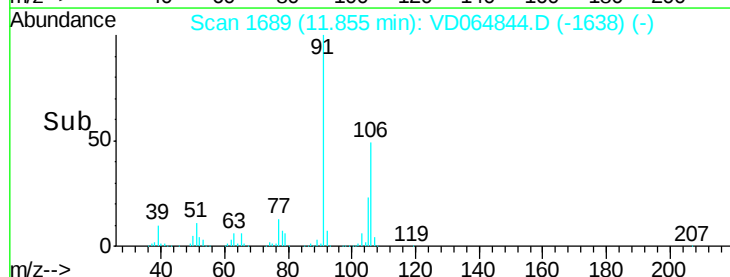
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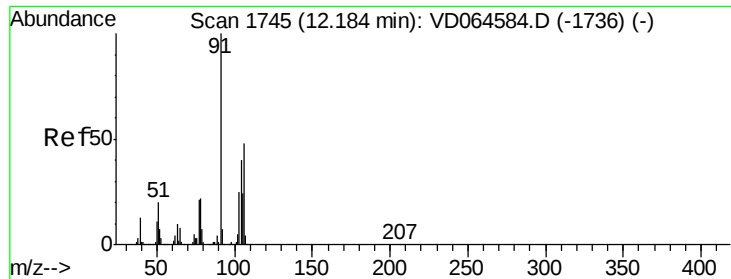
0

11.86

11.90

Time-->





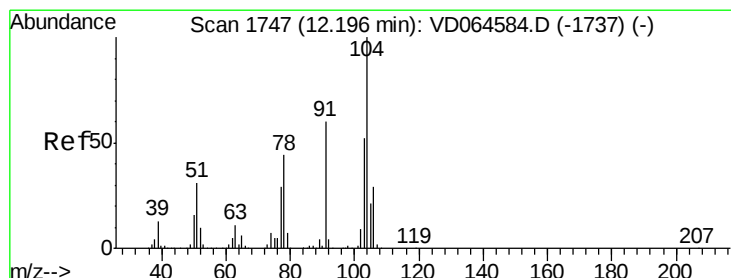
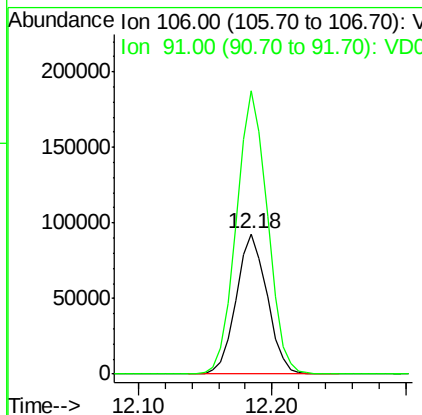
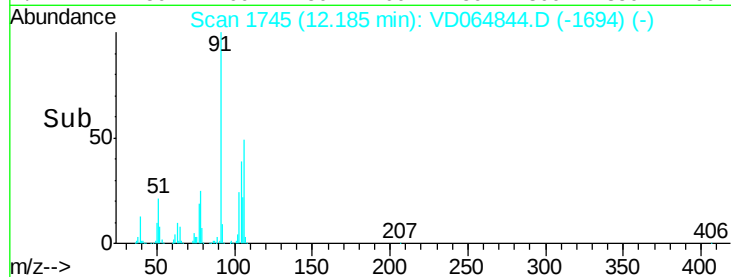
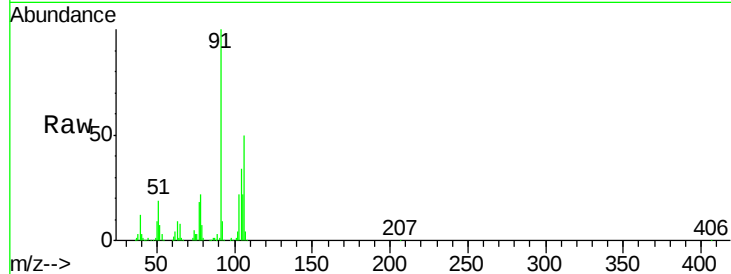
#69
o-Xylene
Concen: 22.846 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion:106 Resp: 148536
Ion Ratio Lower Upper
106 100
91 203.4 104.8 314.4

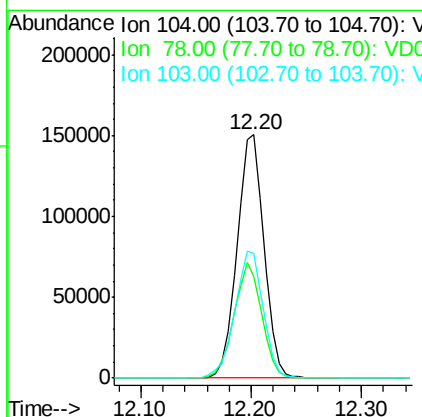
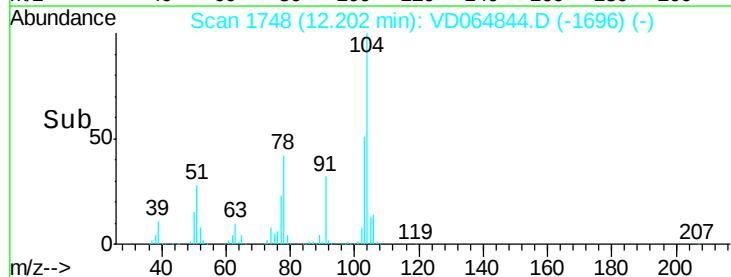
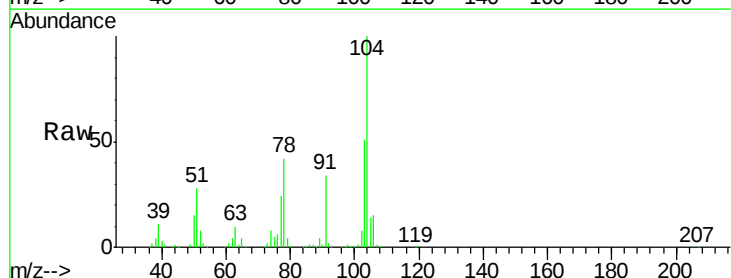
Manual Integrations
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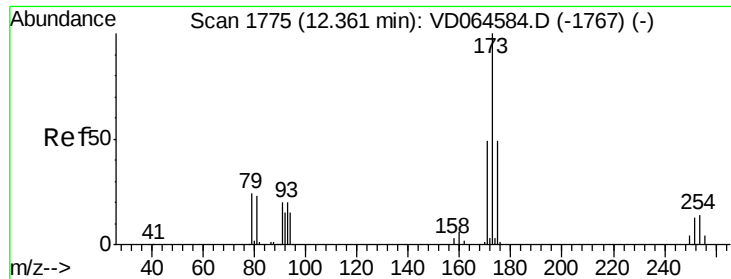
MMDadoda
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#70
Styrene
Concen: 22.630 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion:104 Resp: 258266
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 54.9 44.6 67.0





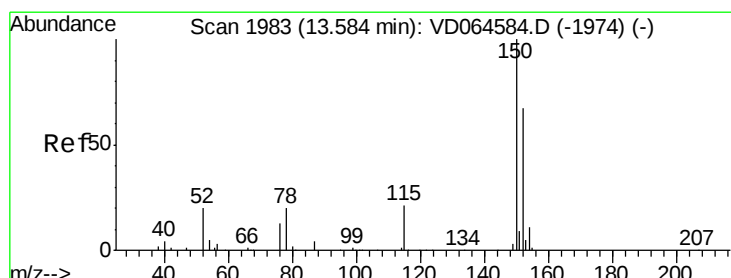
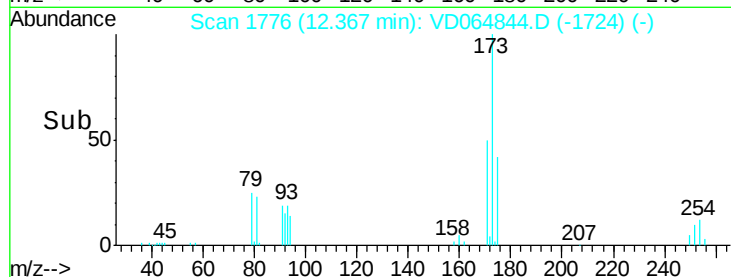
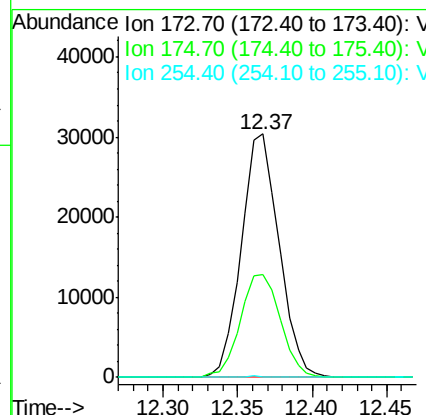
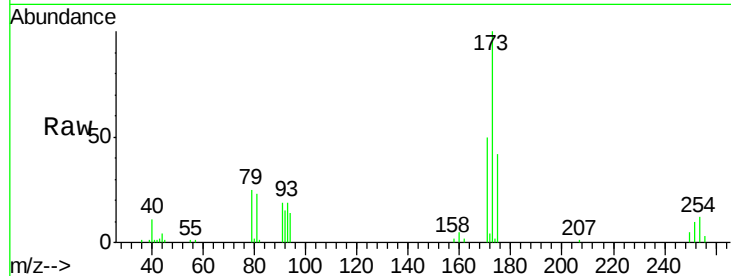
#71
Bromoform
Concen: 24.096 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.1	24.6	73.8
254	0.1	0.1	0.1

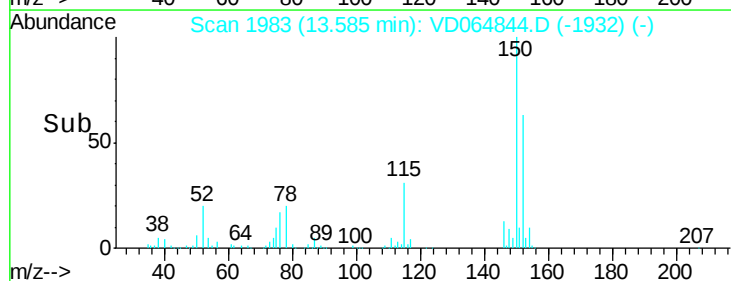
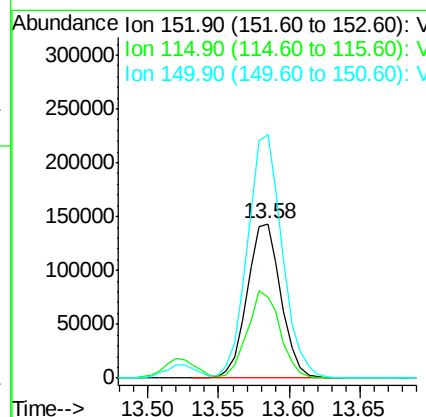
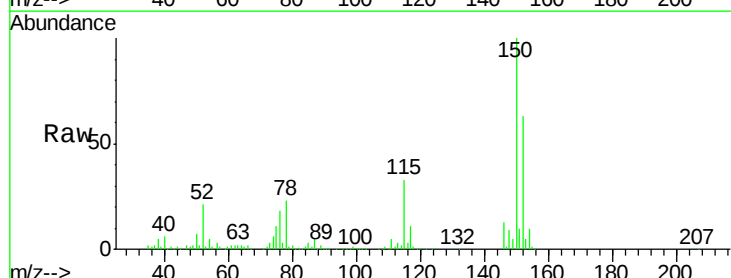
Manual Integrations
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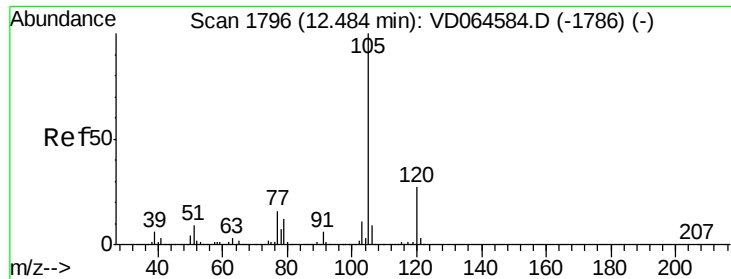
MMDadoda
1/14/2020 1:28:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	164.1	0.0	351.4





#73

Isopropylbenzene

Concen: 23.635 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 105 Resp: 403606

Ion Ratio Lower Upper

105 100

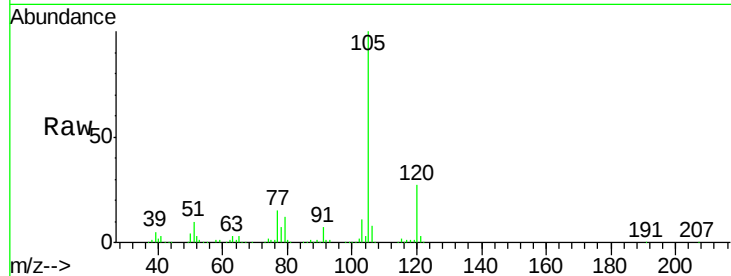
120 25.8 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

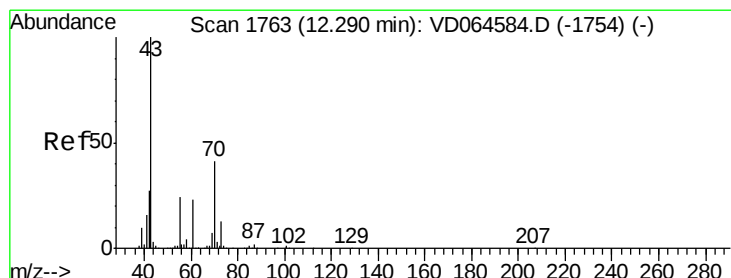
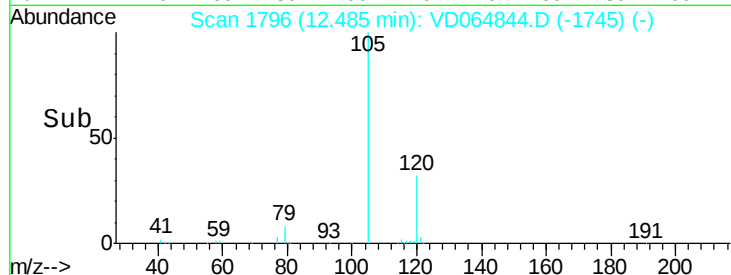
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 23.814 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion: 43 Resp: 86930

Ion Ratio Lower Upper

43 100

70 42.9 33.4 50.0

55 26.7 19.4 29.0

61 23.2 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

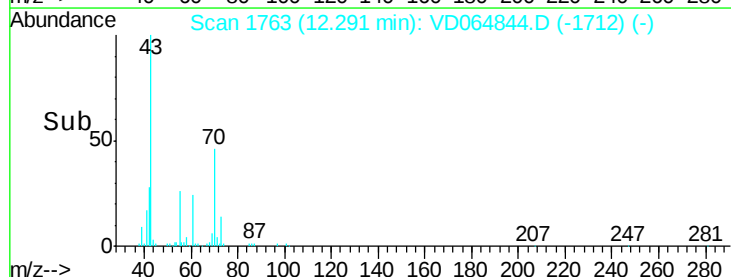
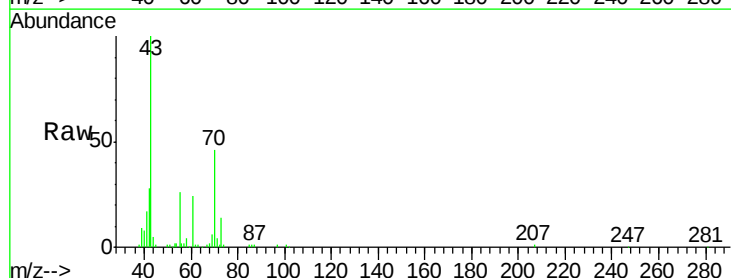
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.618 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

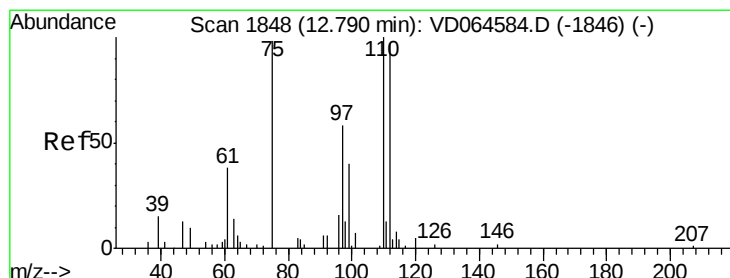
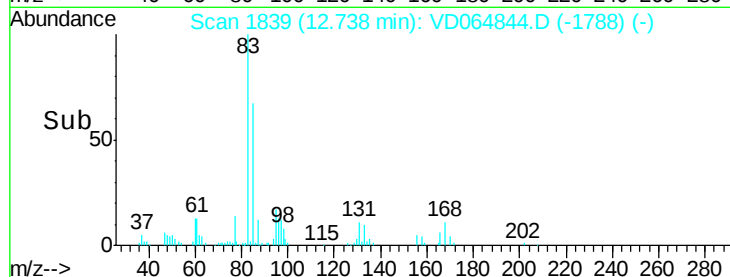
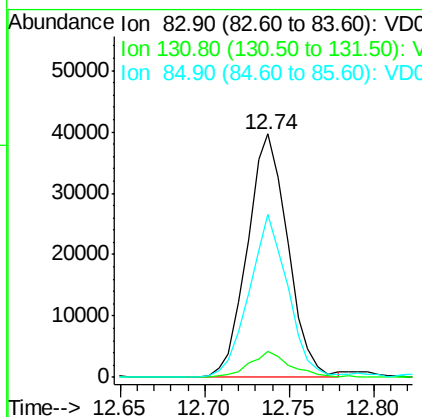
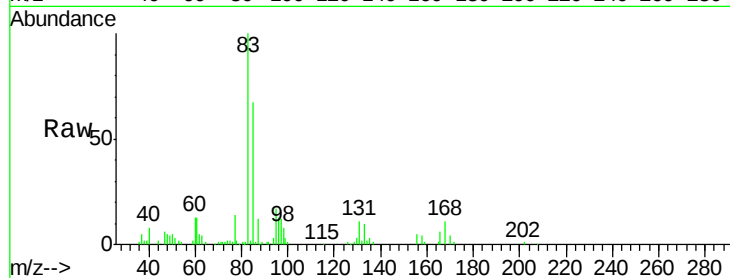
ClientSampleId :

VD0113SBSD01

Tot Ion:	83	Resp:	66040
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.8	17.4
85	64.2	32.3	96.9

Manual Integrations
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1/14/2020 1:28:28 PM



#76

1,2,3-Trichloropropane

Concen: 21.432 ug/l m

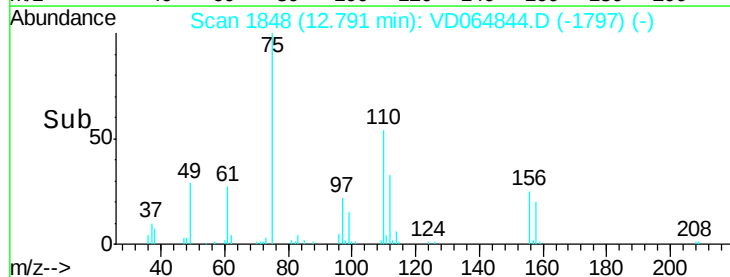
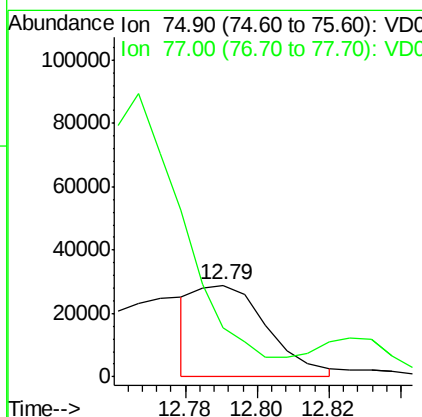
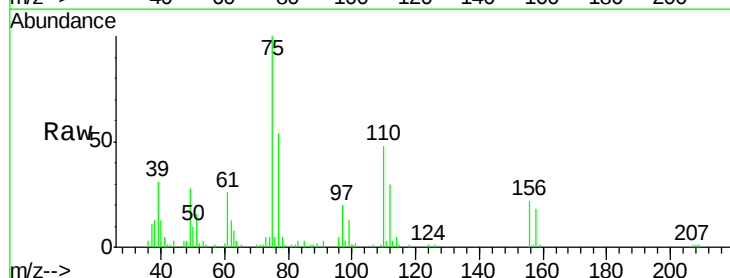
RT: 12.79 min Scan# 1848

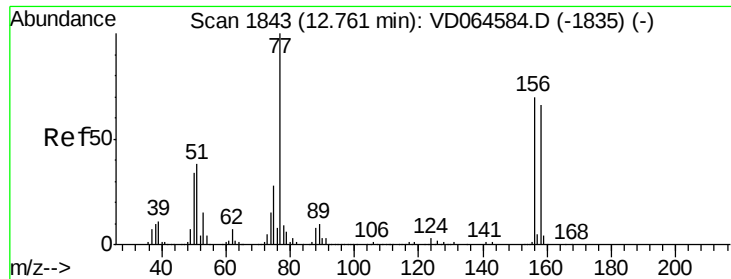
Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion:	75	Resp:	40442
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.892 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

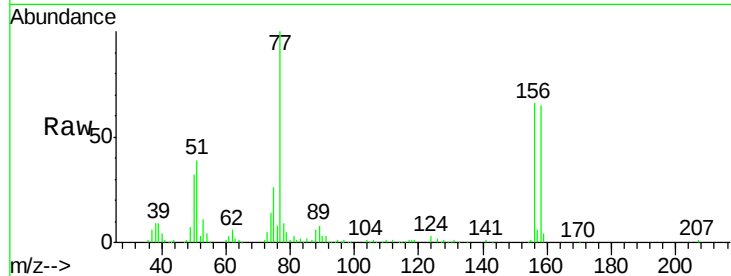
ClientSampleId :

VD0113SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	170.9	80.9	242.7		
158	98.3	48.0	144.2		

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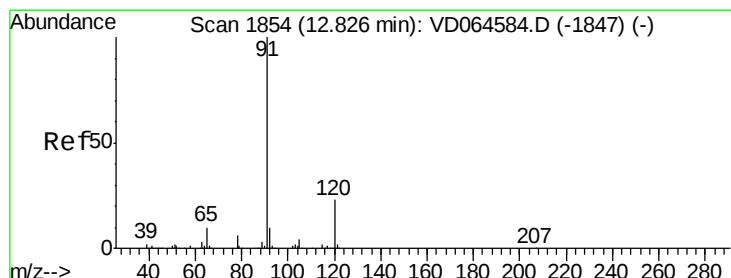
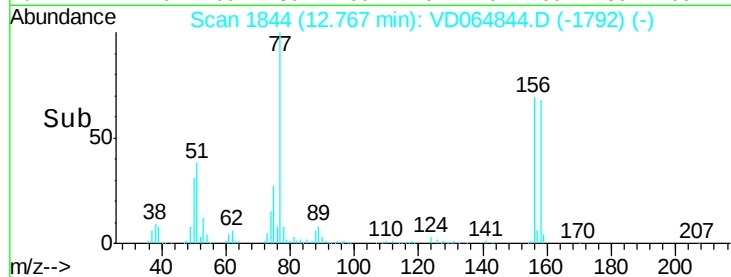
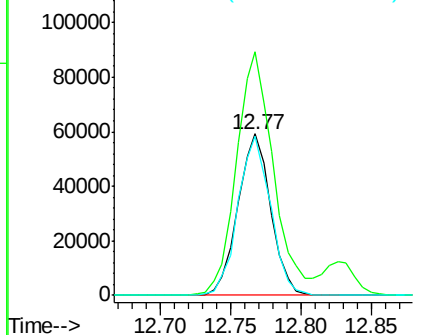
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.823 ug/l

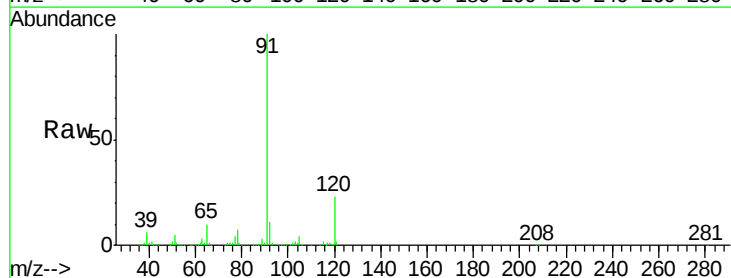
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064844.D

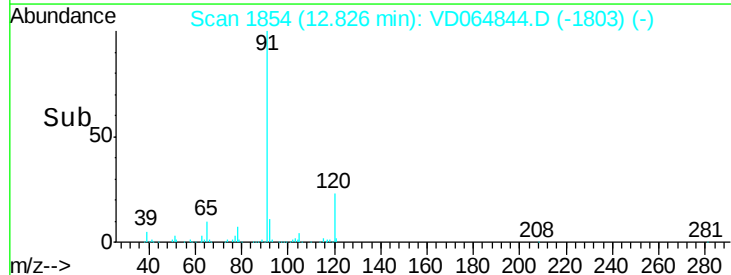
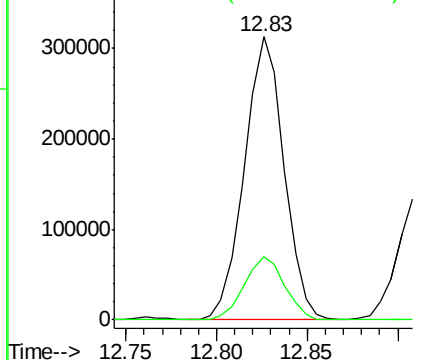
Acq: 13 Jan 2020 12:42

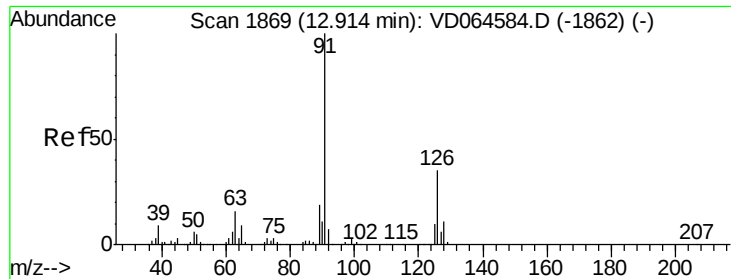
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.8	11.9	35.9		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.547 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 91 Resp: 257699

Ion Ratio Lower Upper

91 100

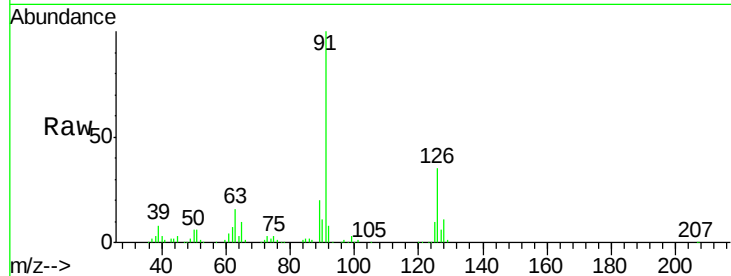
126 35.6 17.8 53.5

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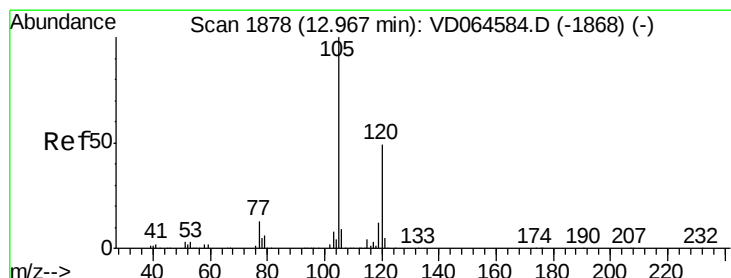
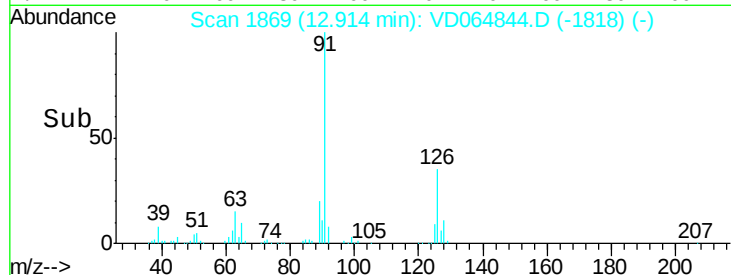
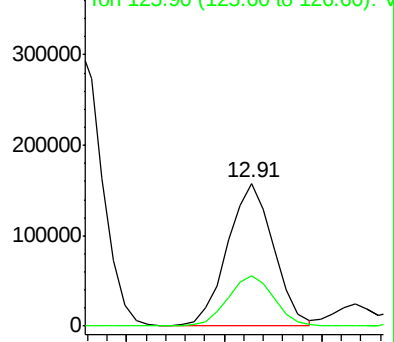
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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.389 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064844.D

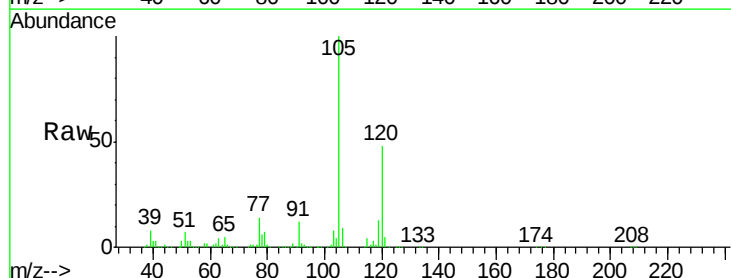
Acq: 13 Jan 2020 12:42

Tgt Ion: 105 Resp: 328091

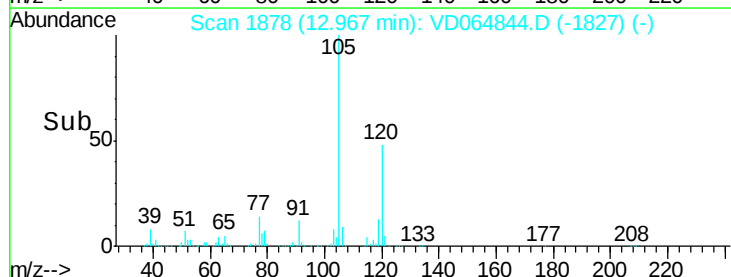
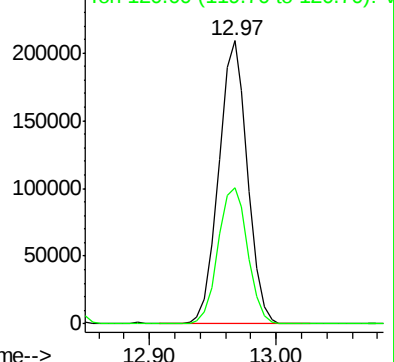
Ion Ratio Lower Upper

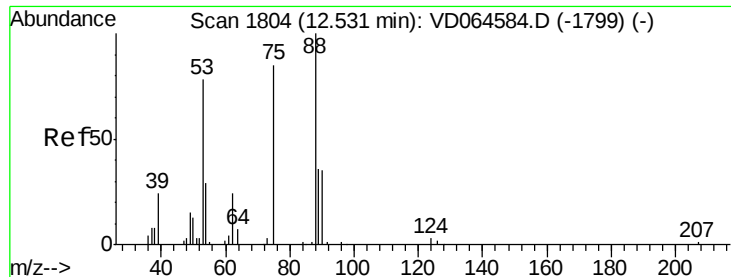
105 100

120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 24.486 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 75 Resp: 22092

Ion Ratio Lower Upper

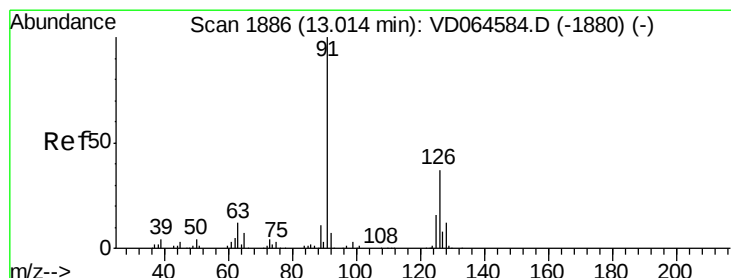
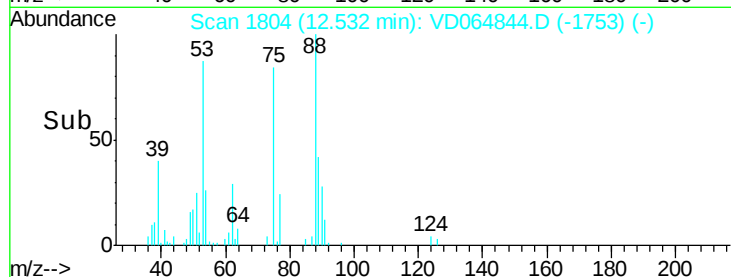
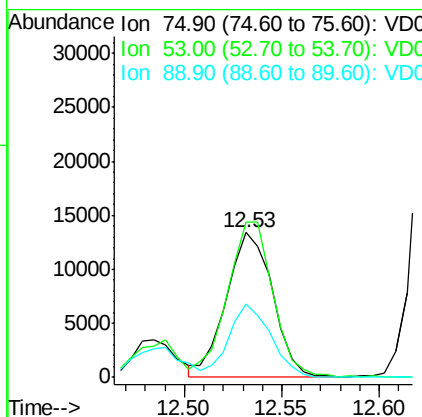
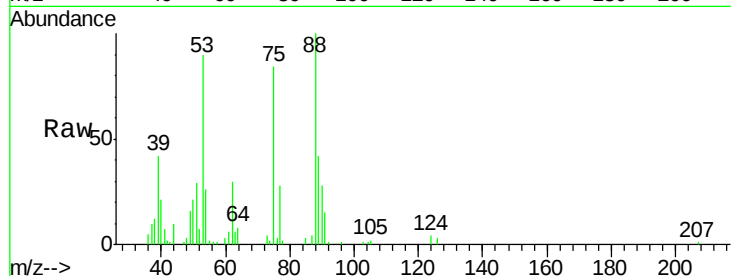
75 100

53 105.9 78.8 118.2

89 45.8 38.3 57.5

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#82

4-Chlorotoluene

Concen: 23.525 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064844.D

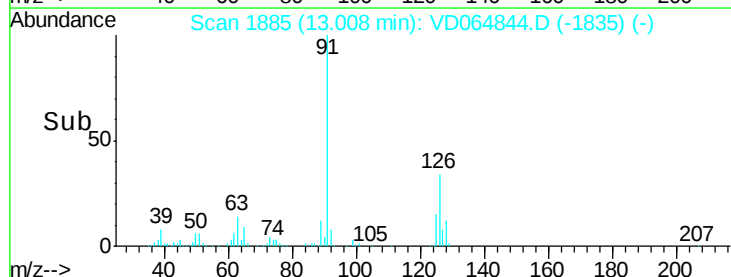
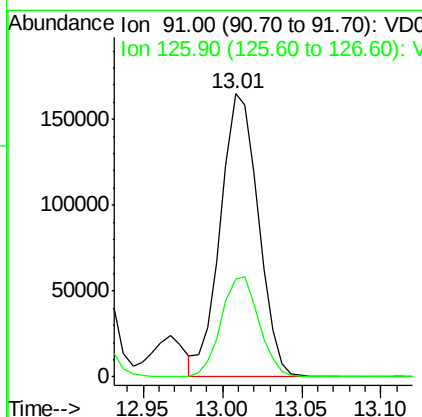
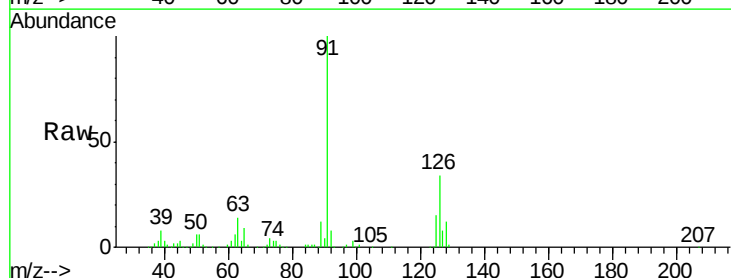
Acq: 13 Jan 2020 12:42

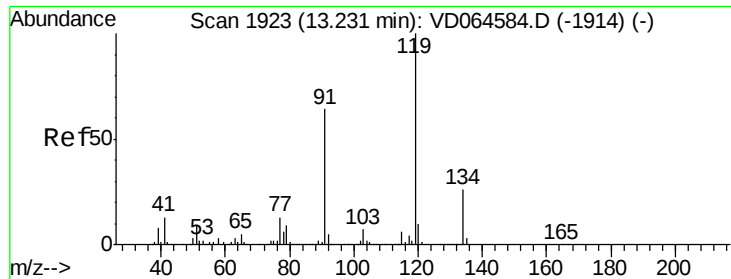
Tgt Ion: 91 Resp: 273978

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5





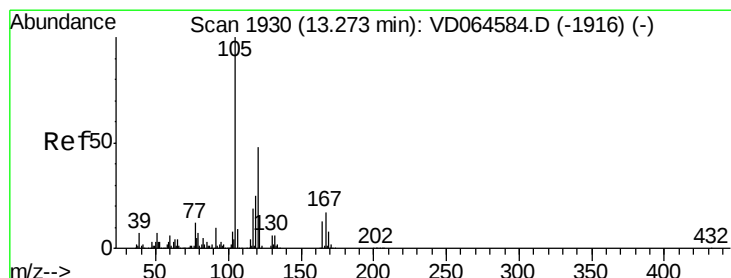
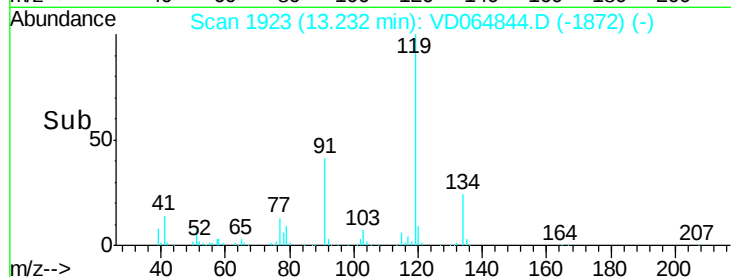
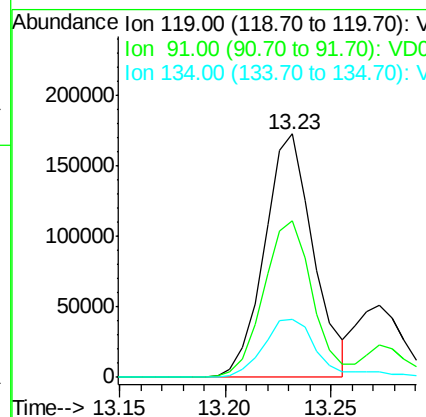
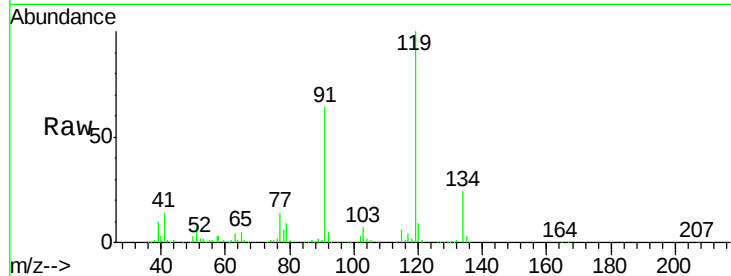
#83
 tert-Butylbenzene
 Concen: 22.836 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	30.8	92.4
134	27.0	12.8	38.3

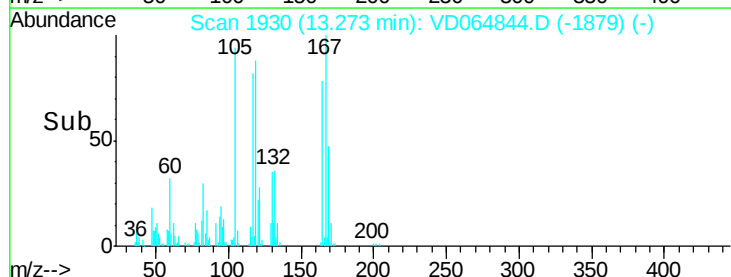
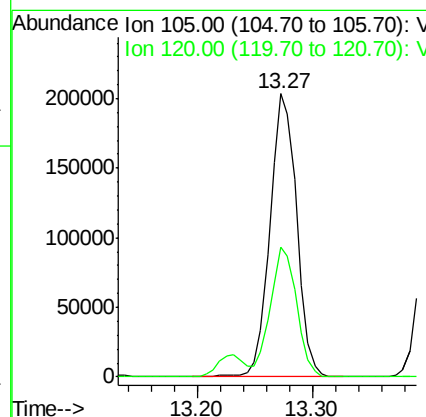
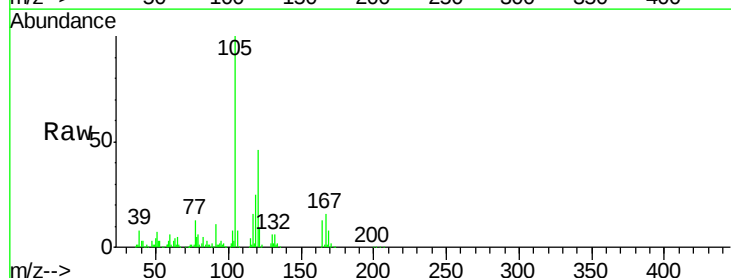
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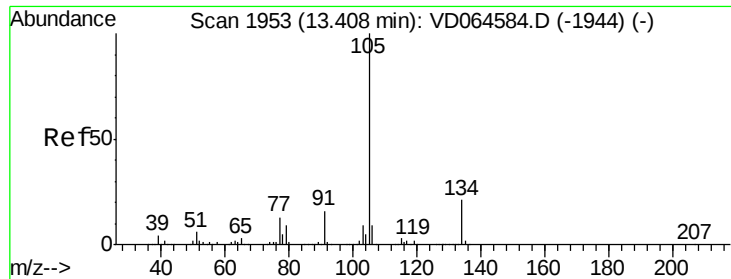
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.502 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.8	71.2





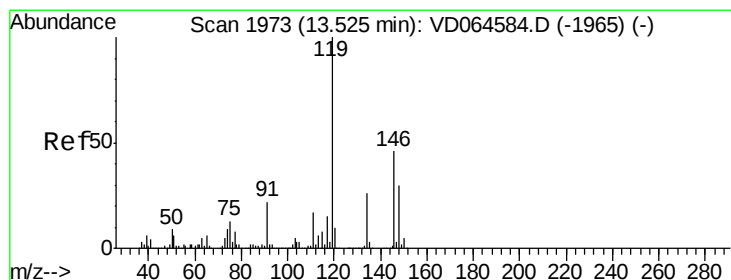
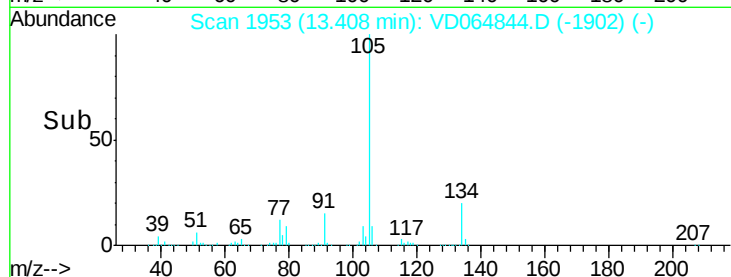
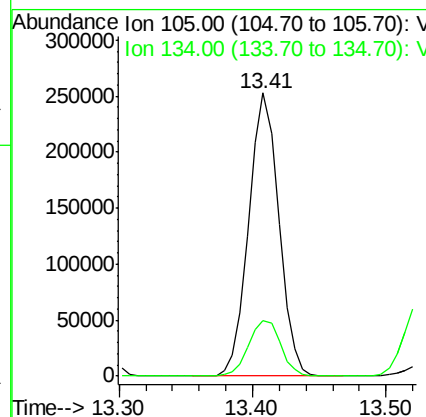
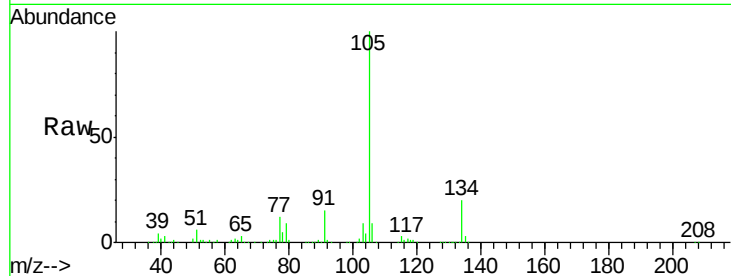
#85
 sec-Butylbenzene
 Concen: 23.508 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8

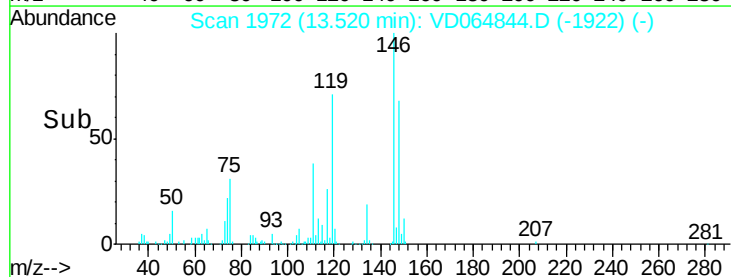
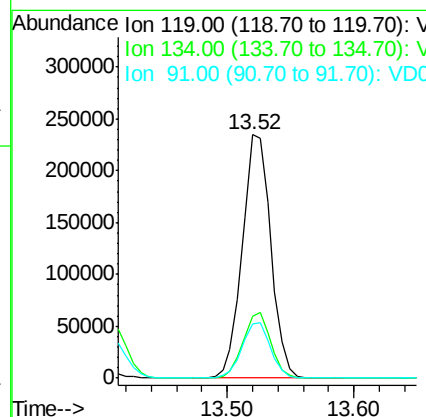
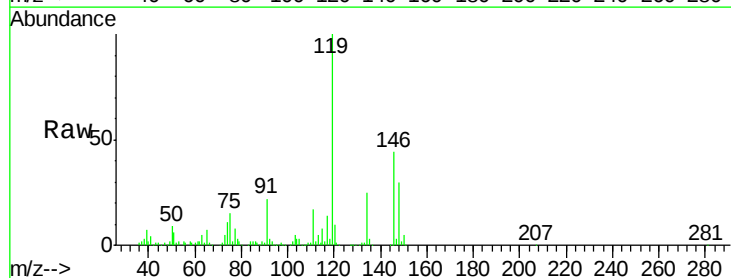
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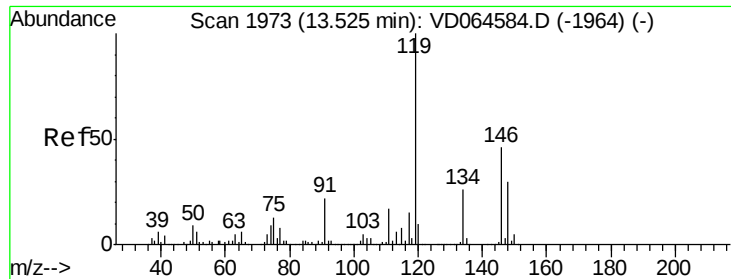
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#86
 p-Isopropyltoluene
 Concen: 22.789 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	22.7	11.2	33.6





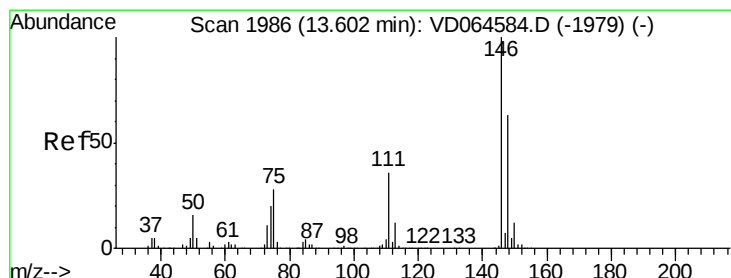
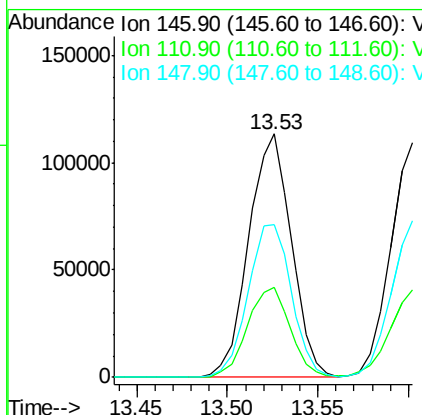
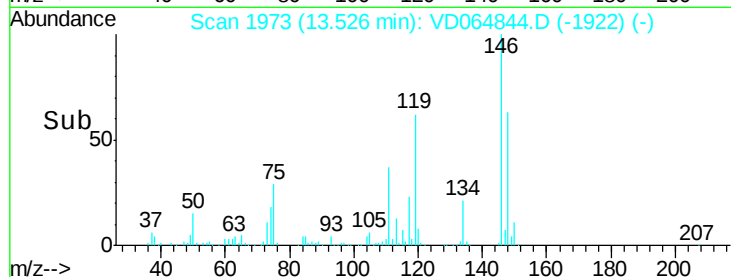
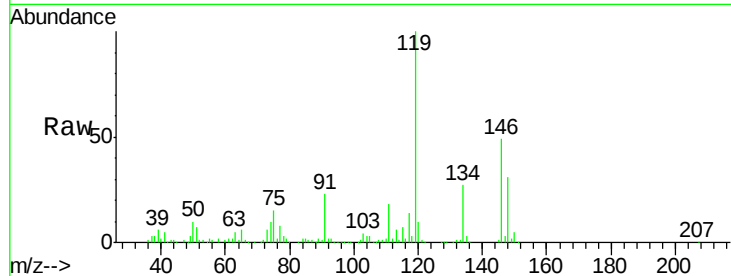
#87
 1,3-Dichlorobenzene
 Concen: 23.172 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185347		
111	36.9	18.8	56.4	
148	64.0	32.5	97.5	

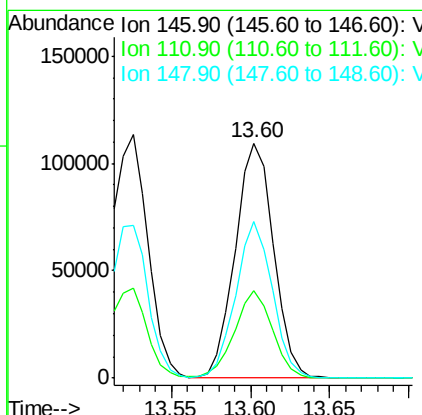
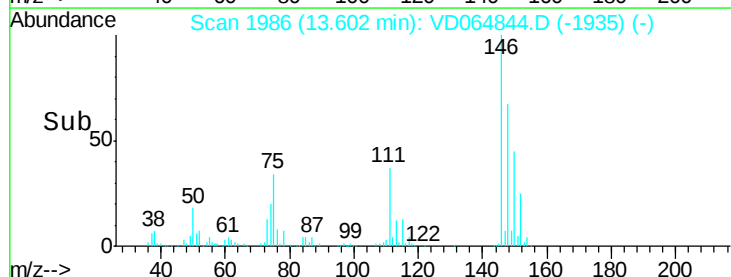
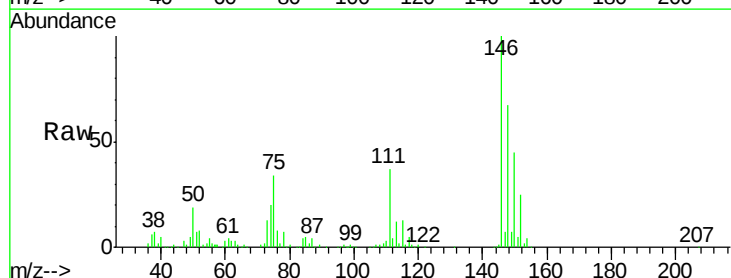
Manual Integrations
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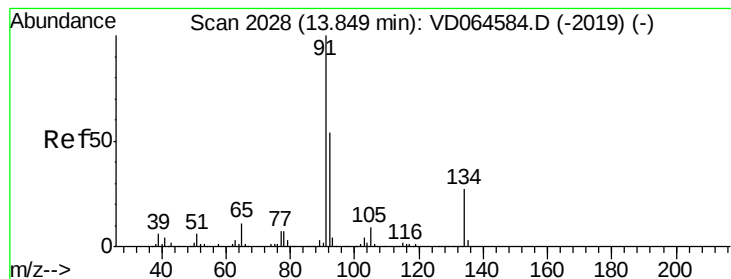
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#88
 1,4-Dichlorobenzene
 Concen: 23.429 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184106		
111	36.9	18.1	54.1	
148	63.6	32.3	96.9	





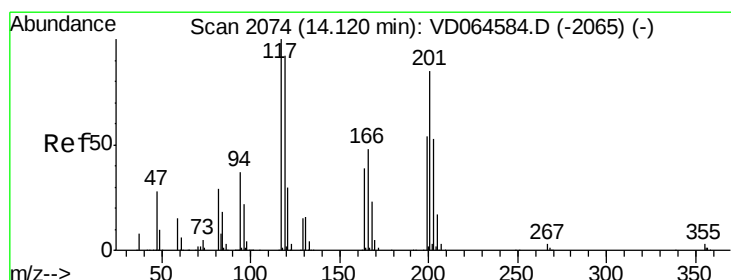
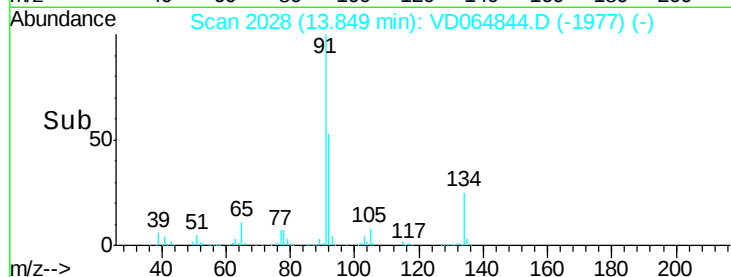
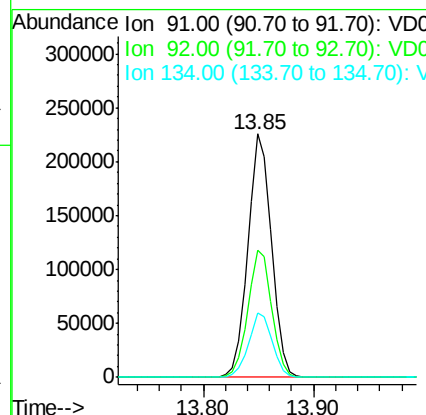
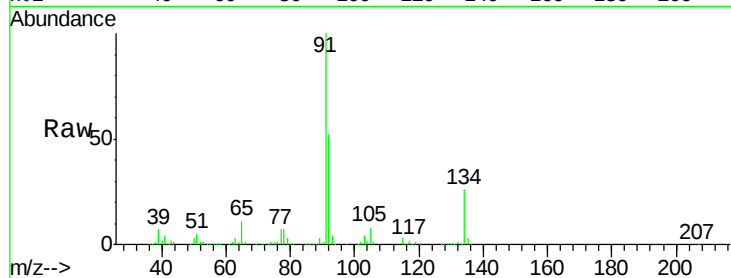
#89
n-Butylbenzene
Concen: 23.507 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.8	80.4	
134	26.3	14.0	41.9	

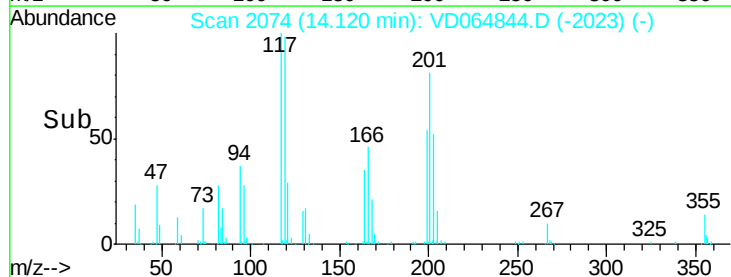
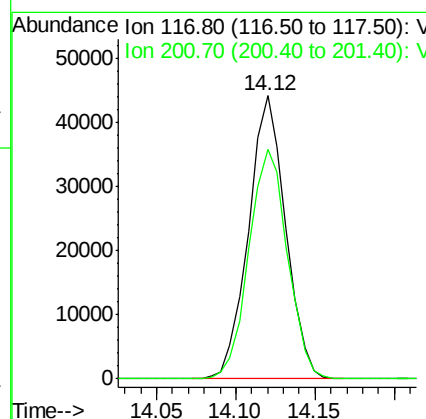
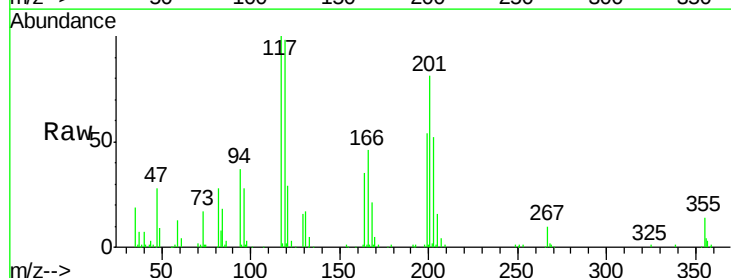
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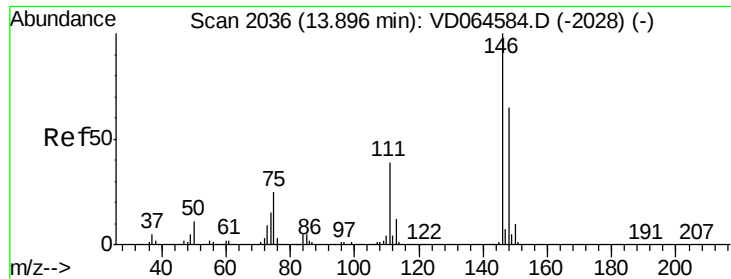
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#90
Hexachloroethane
Concen: 23.561 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.4	44.0	131.8	





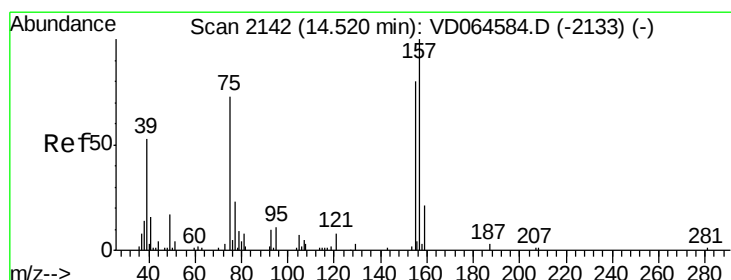
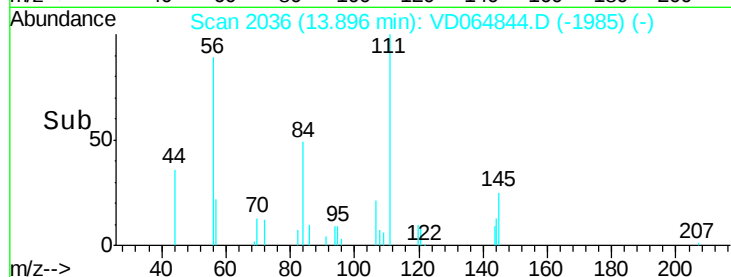
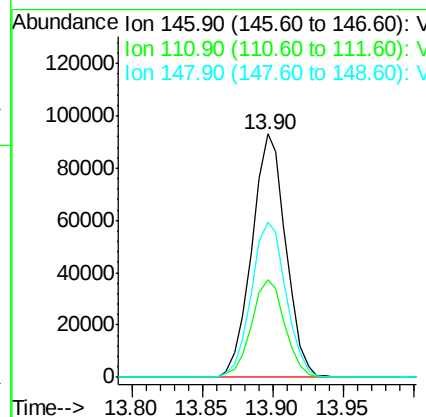
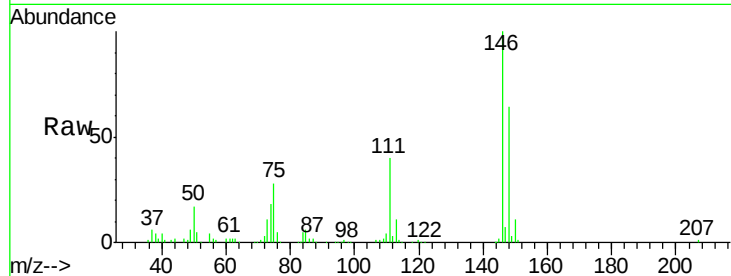
#91
 1,2-Dichlorobenzene
 Concen: 23.006 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	65.1	31.9	95.5

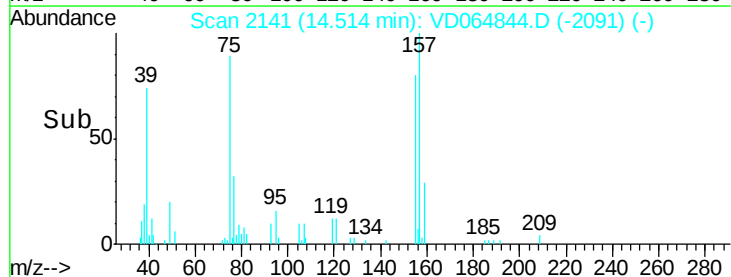
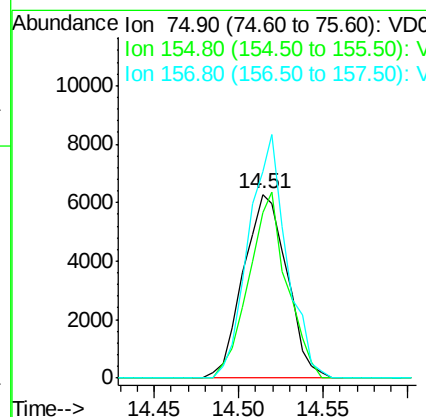
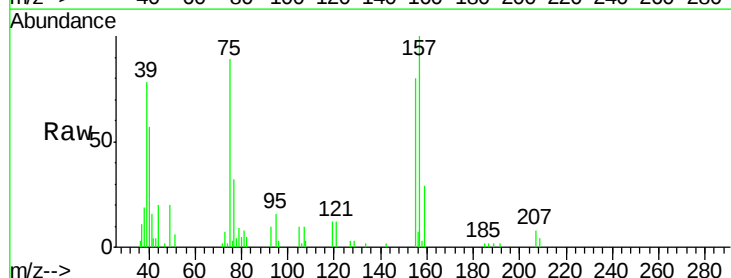
Manual Integrations
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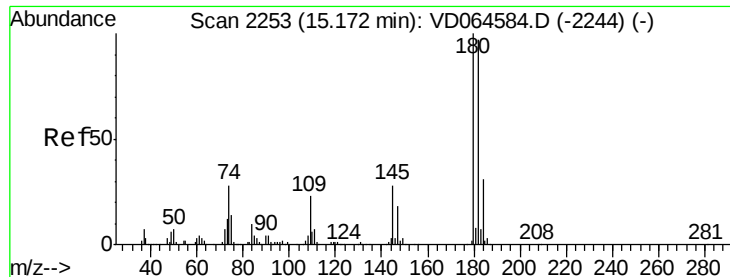
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.906 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	48.0	144.0
157	115.9	64.1	192.3





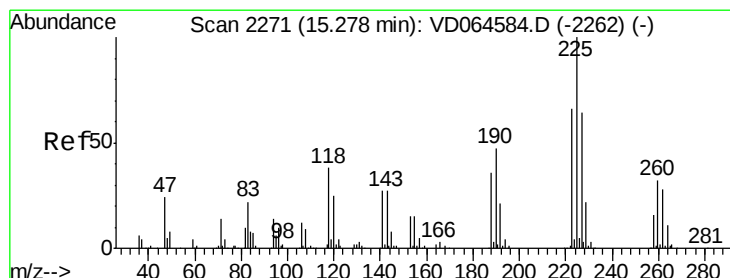
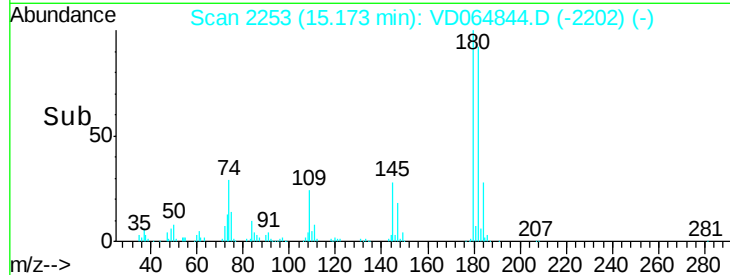
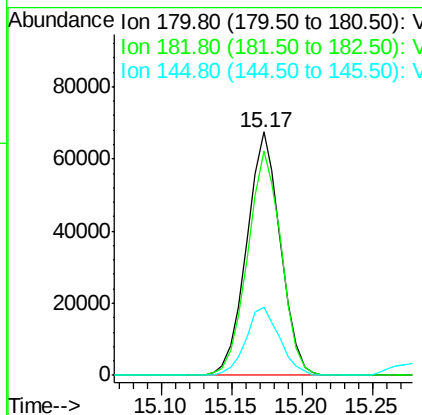
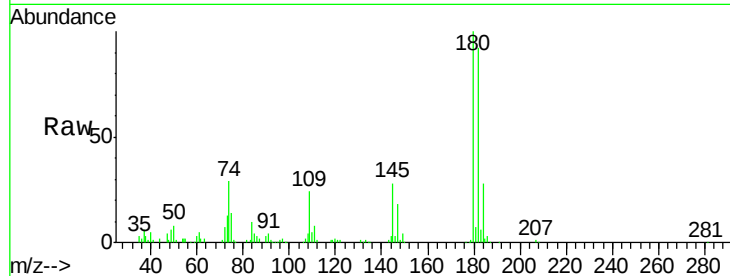
#93
 1,2,4-Trichlorobenzene
 Concen: 22.438 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.3	48.0	144.2	
145	28.2	13.8	41.4	

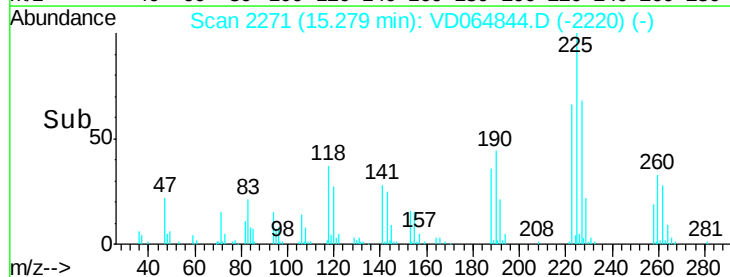
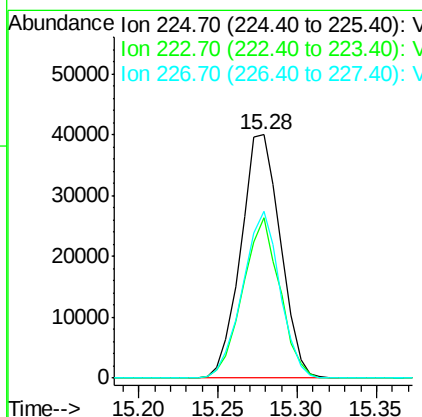
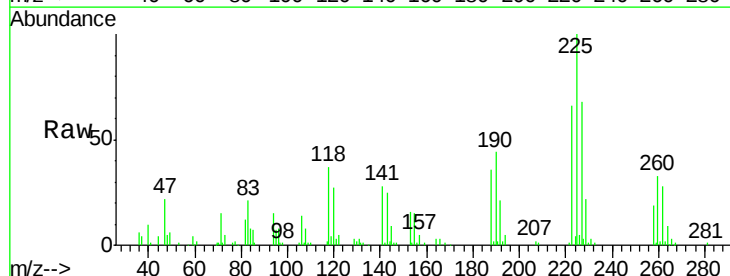
Manual Integrations
 APPROVED

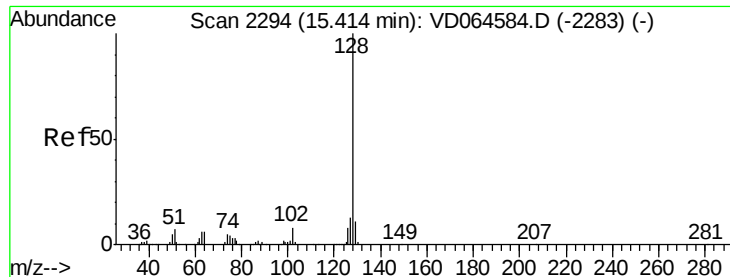
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#94
 Hexachlorobutadiene
 Concen: 21.961 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.1	93.2	
227	64.6	30.9	92.7	





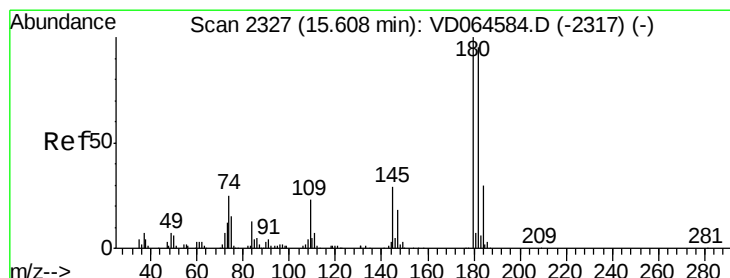
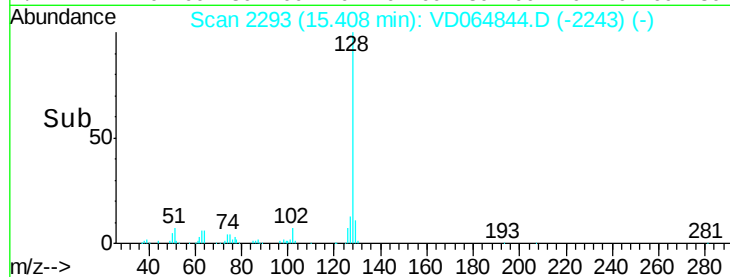
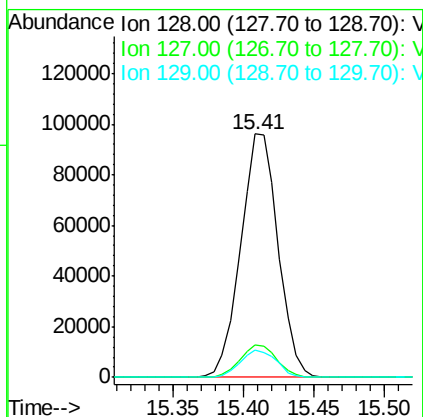
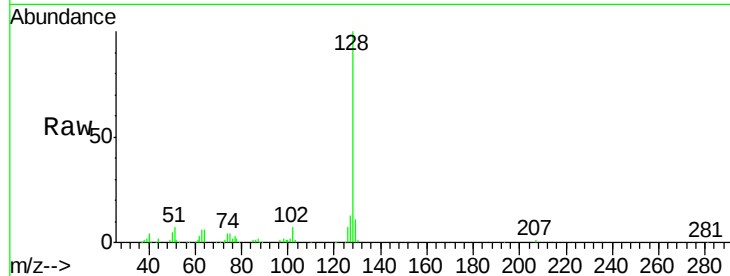
#95
Naphthalene
Concen: 22.440 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 22.391 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	30.7	14.9	44.7

