

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065054.D
 Acq On : 03 Feb 2020 15:13
 Operator : VA/SY
 Sample : L1346-04
 Misc : 8.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(30-32)

Quant Time: Feb 03 15:30:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	739308	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.88	114	1176606	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.66	117	1116311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.60	152	1813375	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	80752	11.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	22.78%	
35) Dibromofluoromethane	7.93	113	311475	42.13	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	84.26%	
50) Toluene-d8	10.37	98	14977461	524.83	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	1049.66%	
62) 4-Bromofluorobenzene	12.64	95	1915921	219.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	438.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	10067	25.689	ug/l #	74
13) Acrolein	4.14	56	1741031	3543.942	ug/l #	70
15) Acrylonitrile	5.50	53	6837309	4830.335	ug/l #	41
16) Acetone	4.14	43	5487182	Below Cal	#	55
17) Carbon Disulfide	4.40	76	136441	6.442	ug/l	96
19) Methyl tert-butyl Ether	5.50	73	44717	3.110	ug/l #	1
20) Methylene Chloride	4.82	84	40926	Below Cal	#	11
23) Vinyl Acetate	6.35	43	267200	22.311	ug/l #	79
24) 1,1-Dichloroethane	6.36	63	99049	7.887	ug/l #	84
25) 2-Butanone	7.22	43	3253628	1698.235	ug/l #	50
26) 2,2-Dichloropropane	7.05	77	441095	38.720	ug/l #	53
28) Bromochloromethane	7.58	49	15505	3.087	ug/l #	12
29) Tetrahydrofuran	7.59	42	415357	351.370	ug/l #	34
30) Chloroform	7.69	83	23129196	1781.529	ug/l #	18
31) Cyclohexane	7.85	56	756947	61.266	ug/l #	1
32) 1,1,1-Trichloroethane	7.91	97	28567	2.365	ug/l #	41
36) 1,1-Dichloropropene	8.11	75	38934	3.432	ug/l #	1
37) Ethyl Acetate	7.22	43	3253628	694.259	ug/l #	69
38) Carbon Tetrachloride	7.99	117	62060	5.175	ug/l #	18
39) Methylcyclohexane	9.56	83	11270569	849.672	ug/l #	1
40) Benzene	8.39	78	34898	1.117	ug/l #	1
41) Methacrylonitrile	7.58	41	5017127	1987.306	ug/l #	57
42) 1,2-Dichloroethane	8.40	62	48238	5.182	ug/l #	1
43) Isopropyl Acetate	8.47	43	39612779	4449.811	ug/l #	52
45) 1,2-Dichloropropane	9.39	63	1670524	220.524	ug/l #	1
46) Dibromomethane	9.46	93	502947	121.610	ug/l #	1
47) Bromodichloromethane	9.67	83	23265131	2161.859	ug/l #	31
48) Methyl methacrylate	9.56	41	23176071	5657.350	ug/l #	43
49) 1,4-Dioxane	9.53	88	224	4.670	ug/l #	1
51) 4-Methyl-2-Pentanone	10.31	43	9243837	2075.265	ug/l #	80
52) Toluene	10.43	92	232045	11.518	ug/l #	34
53) t-1,3-Dichloropropene	10.62	75	14997	1.463	ug/l #	1
54) cis-1,3-Dichloropropene	10.15	75	14564	1.213	ug/l #	1
55) 1,1,2-Trichloroethane	10.79	97	3618922	649.615	ug/l #	29

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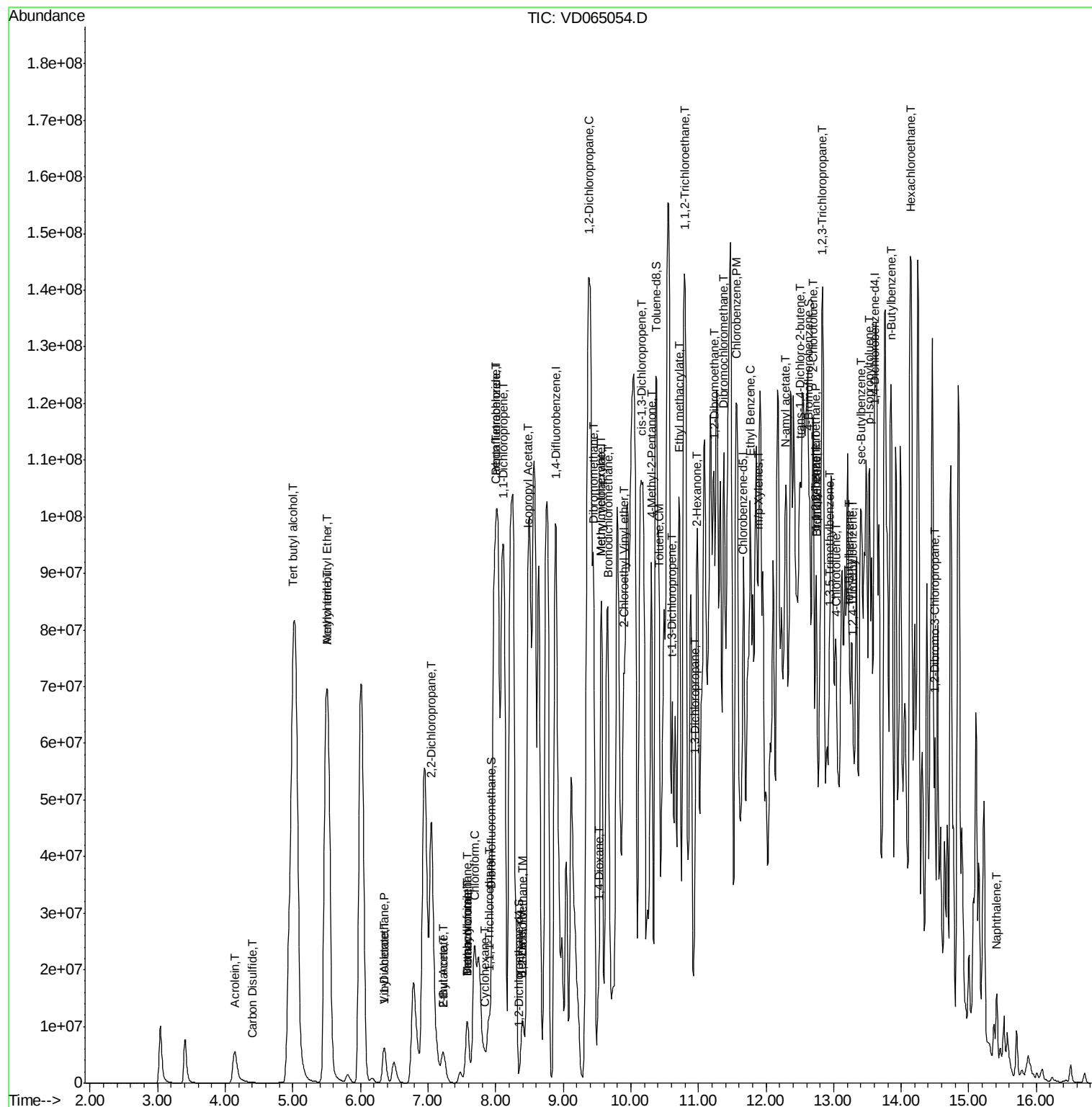
56) Ethyl methacrylate	10.72	69	12202401	1831.703	ug/l #	55
57) 1,3-Dichloropropane	10.95	76	28664	3.000	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.89	63	825927	373.183	ug/l #	46
59) 2-Hexanone	10.97	43	3374981	1098.467	ug/l	75
60) Dibromochloromethane	11.38	129	121501	16.318	ug/l	62
61) 1,2-Dibromoethane	11.24	107	377879	70.445	ug/l #	1
65) Chlorobenzene	11.57	112	1048006	46.238	ug/l #	61
67) Ethyl Benzene	11.77	91	6707567	166.695	ug/l	99
68) m/p-Xylenes	11.88	106	333610	21.533	ug/l #	1
74) N-amyl acetate	12.28	43	15824399	570.571	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.74	83	1546377	74.234	ug/l #	1
76) 1,2,3-Trichloropropane	12.84	75	1104295	73.369	ug/l #	100
77) Bromobenzene	12.75	156	59811	1.972	ug/l #	1
78) n-propylbenzene	12.74	91	463501	3.145	ug/l #	52
79) 2-Chlorotoluene	12.68	91	788197	9.748	ug/l	88
80) 1,3,5-Trimethylbenzene	12.93	105	13996360	137.800	ug/l	76
81) trans-1,4-Dichloro-2-buten	12.50	75	451187	64.008	ug/l #	1
82) 4-Chlorotoluene	13.04	91	254220	2.965	ug/l #	1
83) tert-Butylbenzene	13.24	119	383235	4.446	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.28	105	1092946	10.622	ug/l	97
85) sec-Butylbenzene	13.41	105	20902955	171.274	ug/l #	3
86) p-Isopropyltoluene	13.54	119	8167954	71.521	ug/l	94
89) n-Butylbenzene	13.84	91	2893132	27.759	ug/l #	1
90) Hexachloroethane	14.14	117	15885017	721.278	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.50	75	157517	47.251	ug/l #	1
95) Naphthalene	15.41	128	11133748	201.871	ug/l	97

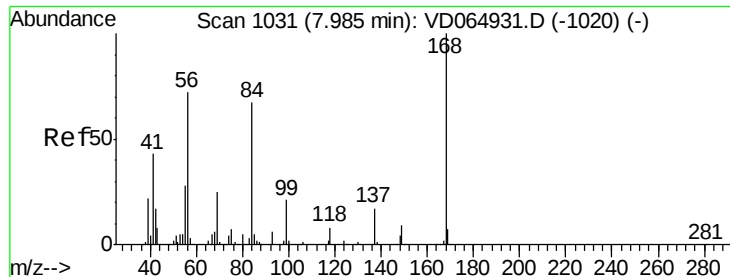
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

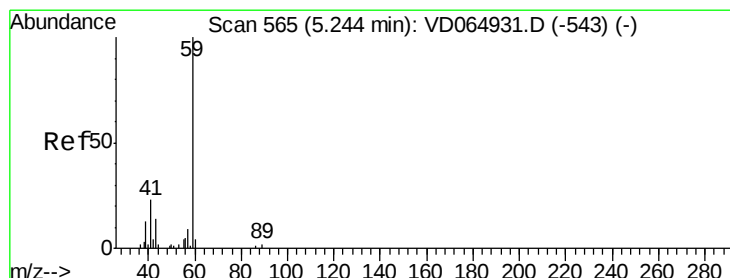
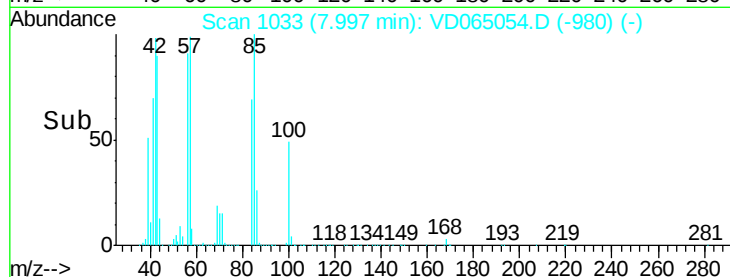
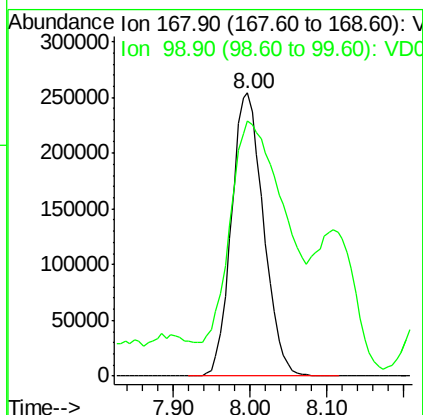
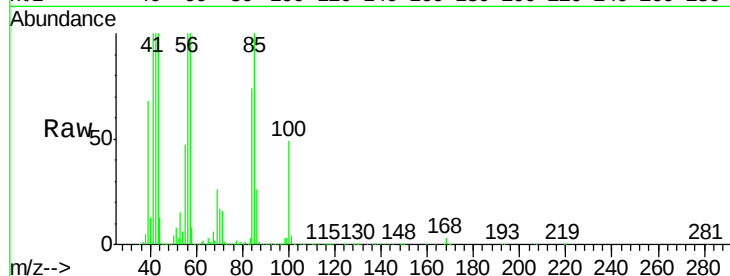
PD-3-(30-32)

Tot Ion:168 Resp: 739308

Ion Ratio Lower Upper

168 100

99 78.1 43.3 64.9#



#11

Tert butyl alcohol

Concen: 25.689 ug/l

RT: 5.00 min Scan# 524

Delta R.T. -0.24 min

Lab File: VD065054.D

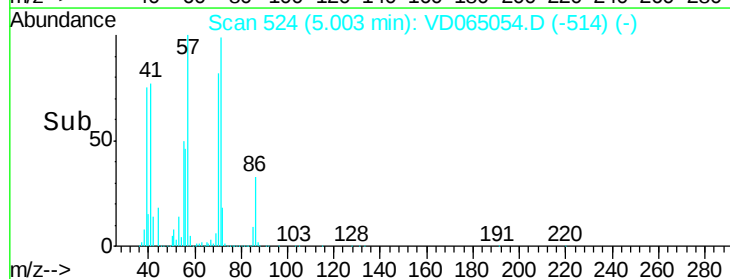
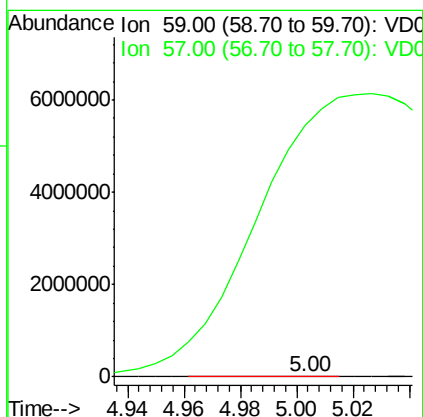
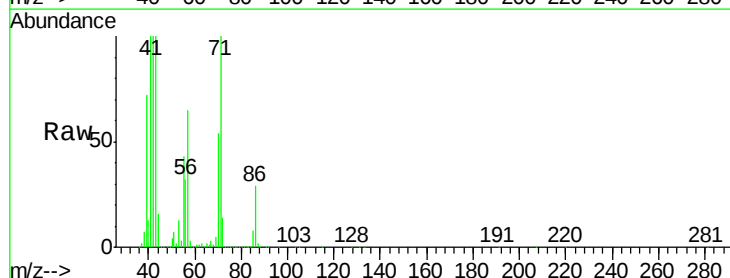
Acq: 03 Feb 2020 15:13

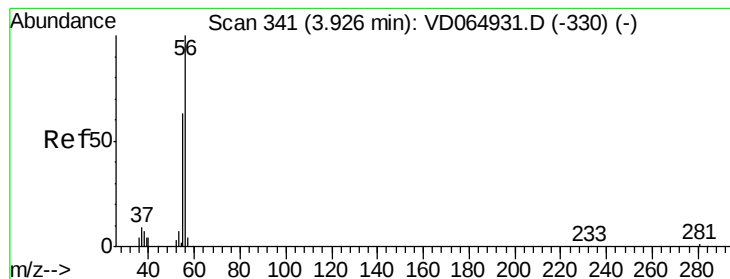
Tgt Ion: 59 Resp: 10067

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: 3543.942 ug/l

RT: 4.14 min Scan# 377

Delta R.T. 0.21 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

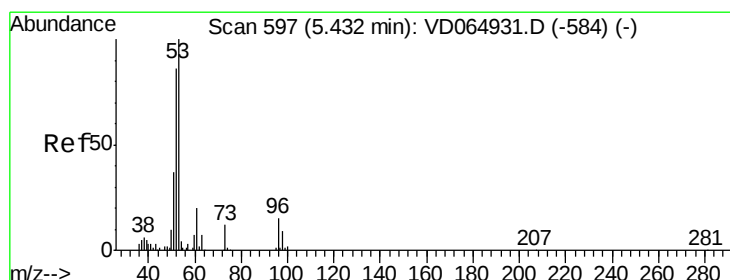
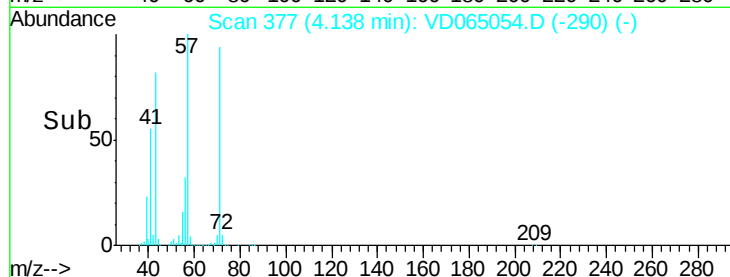
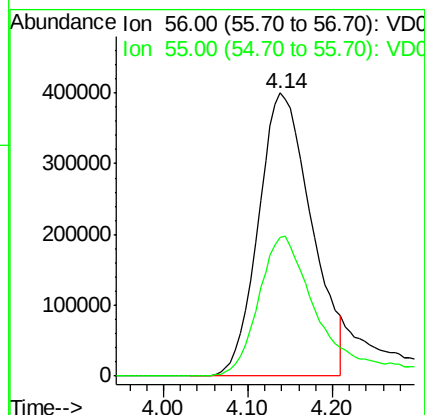
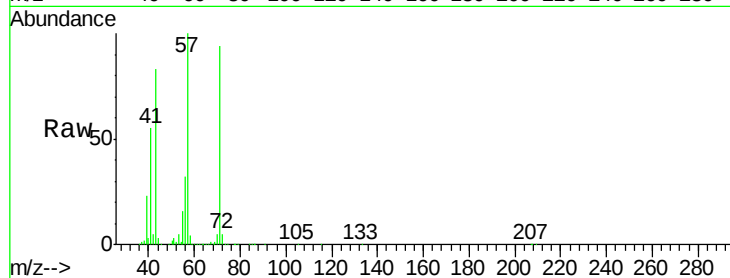
PD-3-(30-32)

Tot Ion: 56 Resp: 1741031

Ion Ratio Lower Upper

56 100

55 48.9 59.7 89.5#



#15

Acrylonitrile

Concen: 4830.335 ug/l

RT: 5.50 min Scan# 609

Delta R.T. 0.07 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

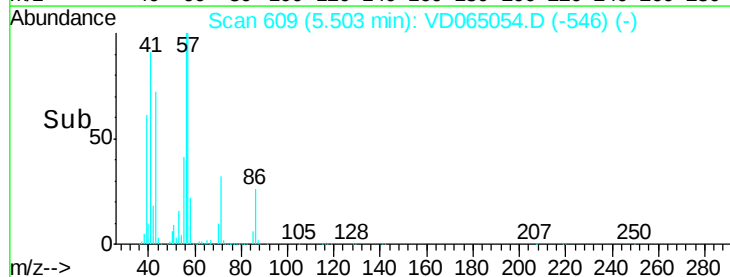
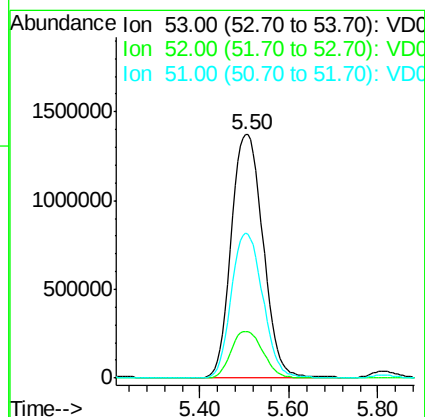
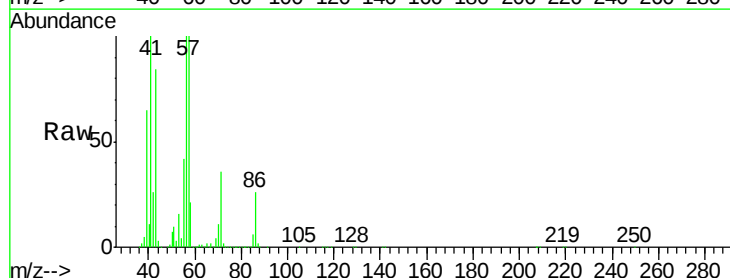
Tgt Ion: 53 Resp: 6837309

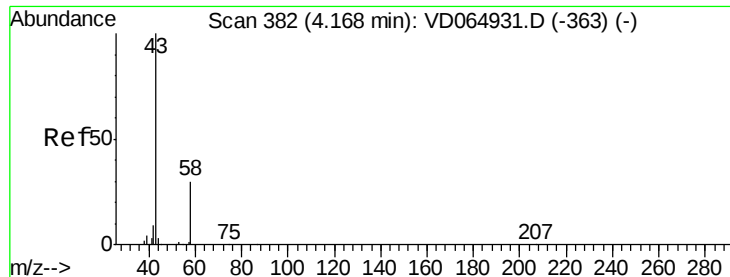
Ion Ratio Lower Upper

53 100

52 19.3 66.7 100.1#

51 58.9 31.1 46.7#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 378

Delta R.T. -0.02 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

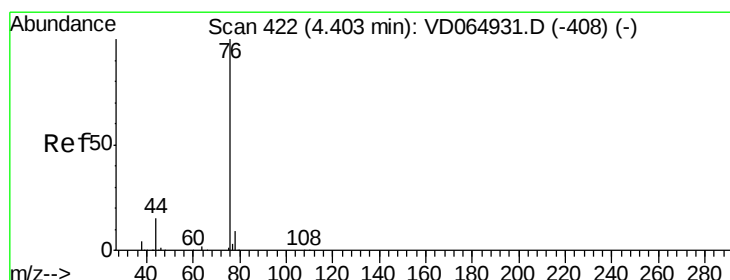
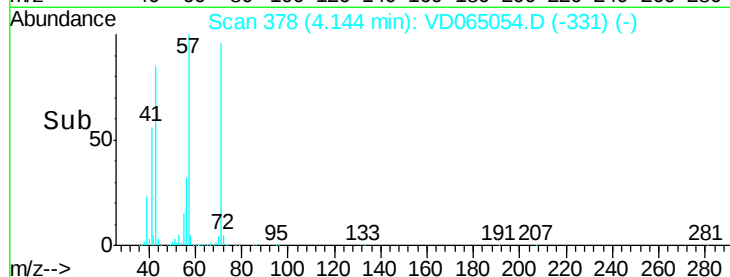
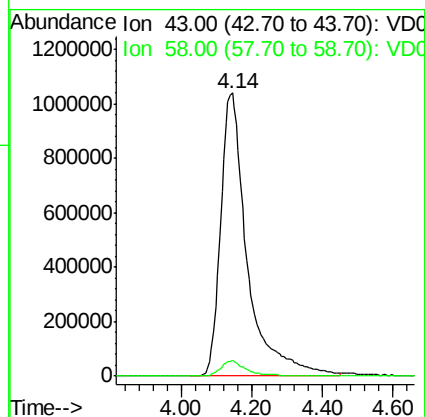
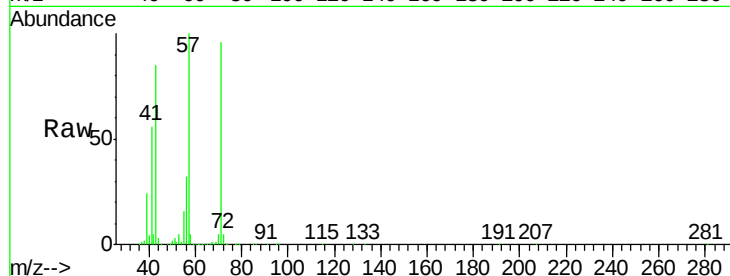
PD-3-(30-32)

Tot Ion: 43 Resp: 5487182

Ion Ratio Lower Upper

43 100

58 5.4 23.8 35.8#



#17

Carbon Disulfide

Concen: 6.442 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065054.D

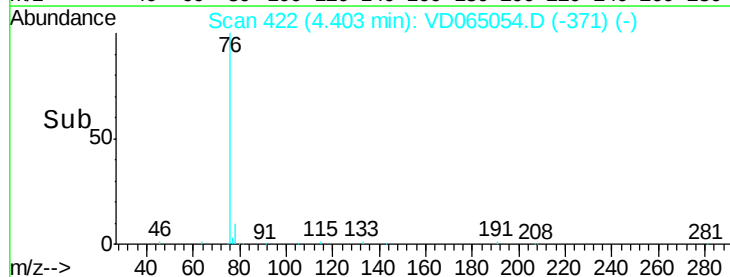
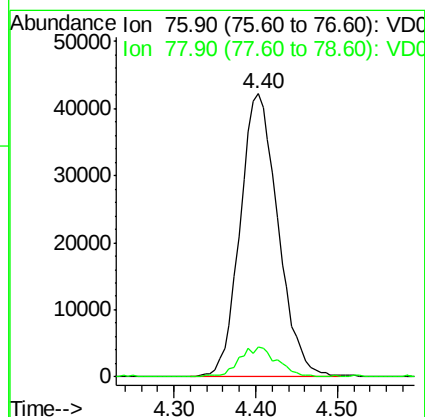
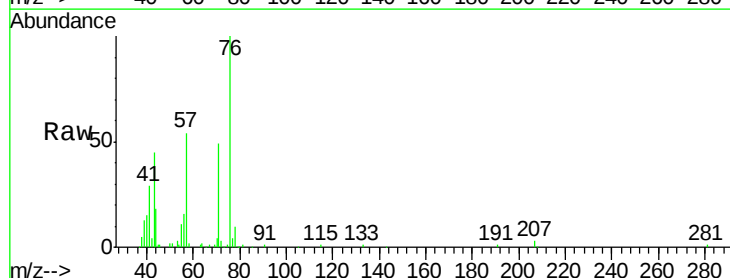
Acq: 03 Feb 2020 15:13

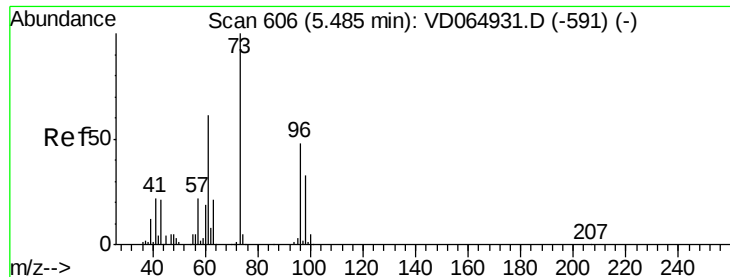
Tgt Ion: 76 Resp: 136441

Ion Ratio Lower Upper

76 100

78 10.4 7.1 10.7



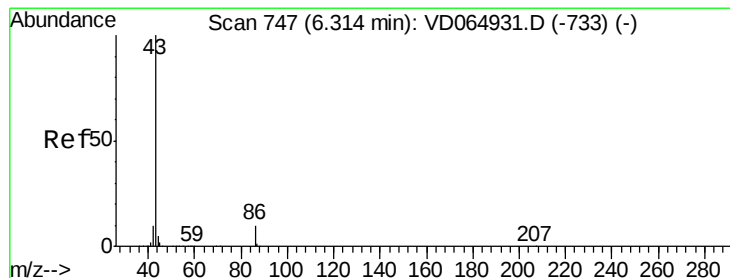
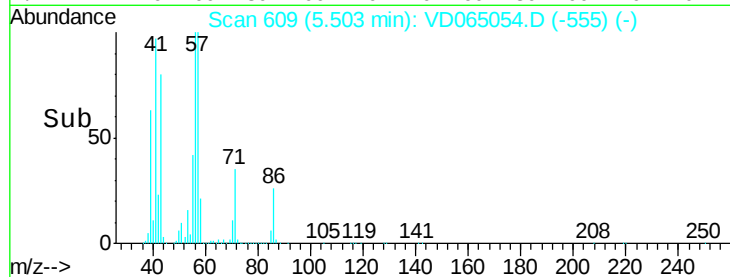
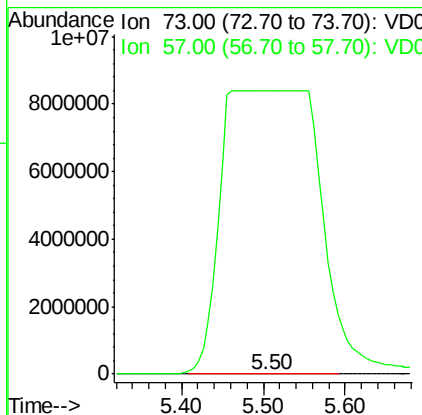
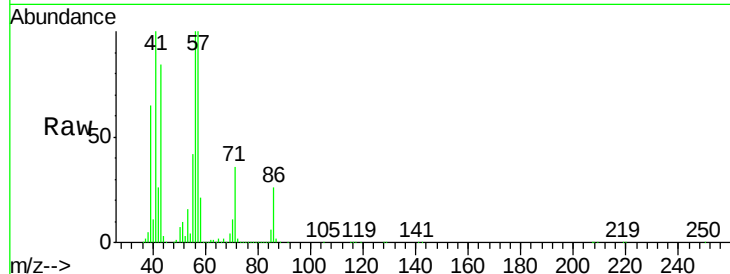


#19

Methyl tert-butyl Ether
 Concen: 3.110 ug/l
 RT: 5.50 min Scan# 609
 Delta R.T. 0.02 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

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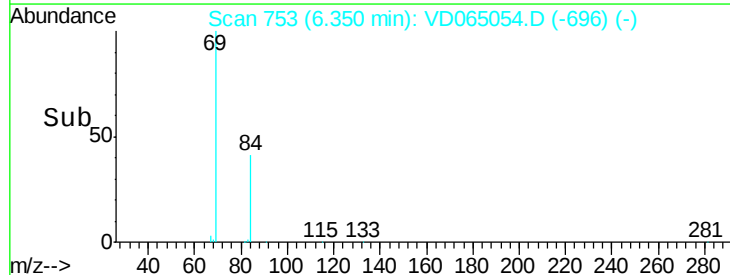
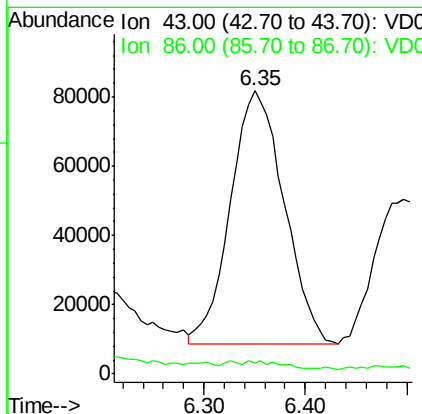
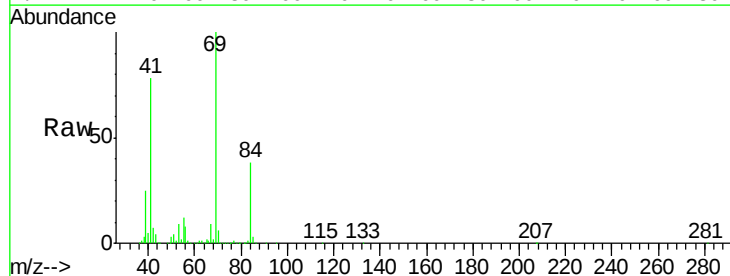
Tot Ion: 73 Resp: 44717
 Ion Ratio Lower Upper
 73 100
 57 81275.8 17.9 26.9#

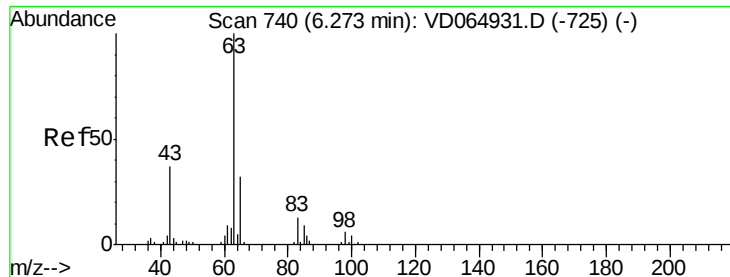


#23

Vinyl Acetate
 Concen: 22.311 ug/l
 RT: 6.35 min Scan# 753
 Delta R.T. 0.04 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

Tgt Ion: 43 Resp: 267200
 Ion Ratio Lower Upper
 43 100
 86 2.6 8.3 12.5#





#24

1,1-Dichloroethane

Concen: 7.887 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.08 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

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ClientSampleId :

PD-3-(30-32)

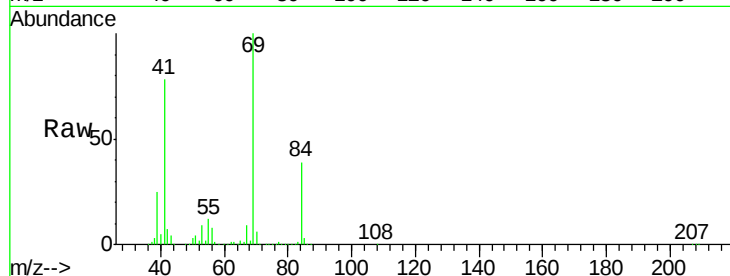
Tot Ion: 63 Resp: 99049

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.3#

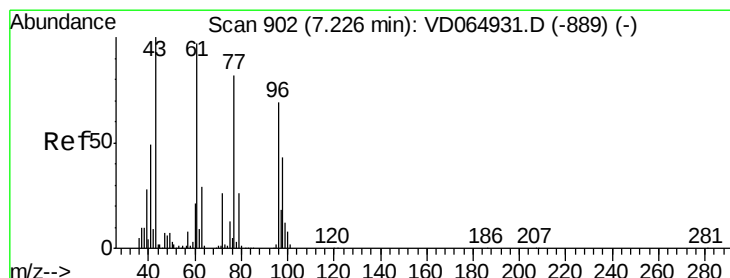
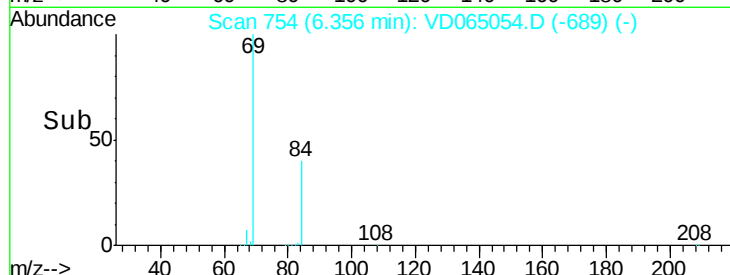
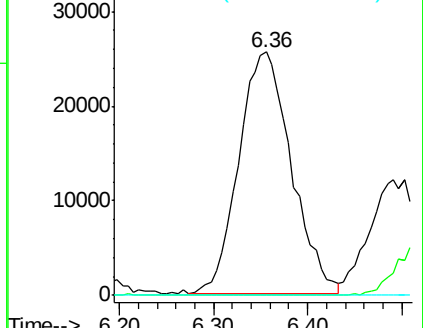
100 0.0 2.3 6.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



#25

2-Butanone

Concen: 1698.235 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065054.D

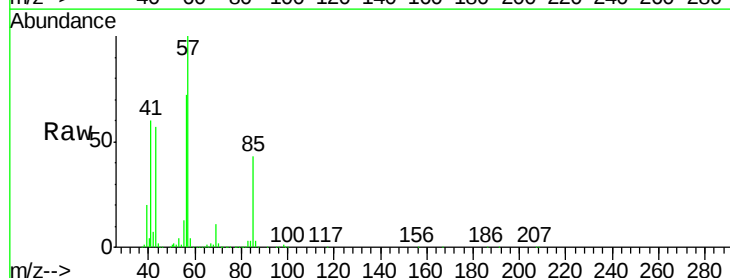
Acq: 03 Feb 2020 15:13

Tgt Ion: 43 Resp: 3253628

Ion Ratio Lower Upper

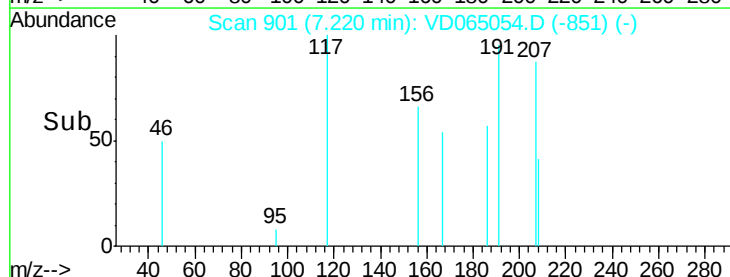
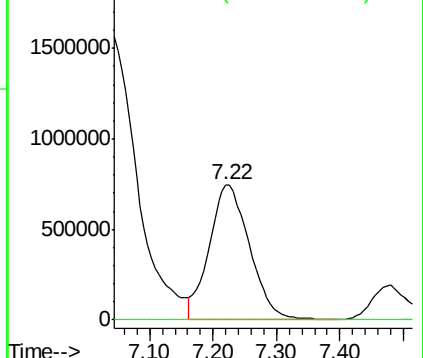
43 100

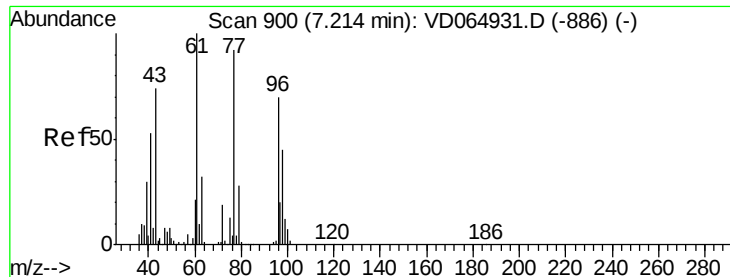
72 0.2 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 38.720 ug/l

RT: 7.05 min Scan# 872

Delta R.T. -0.16 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

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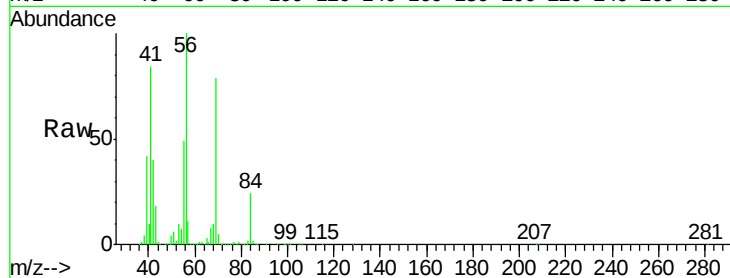
PD-3-(30-32)

Tot Ion: 77 Resp: 441095

Ion Ratio Lower Upper

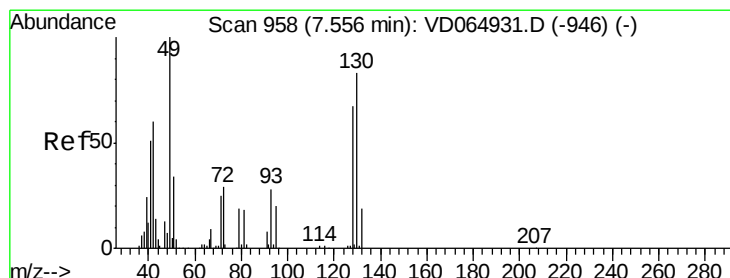
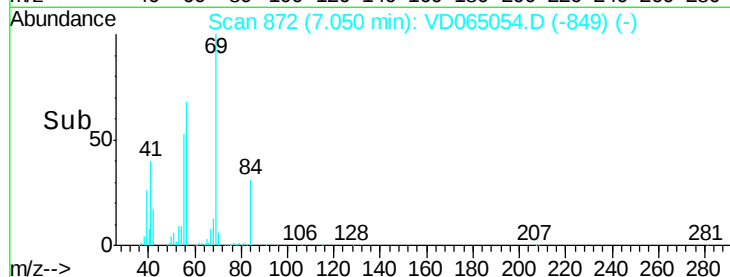
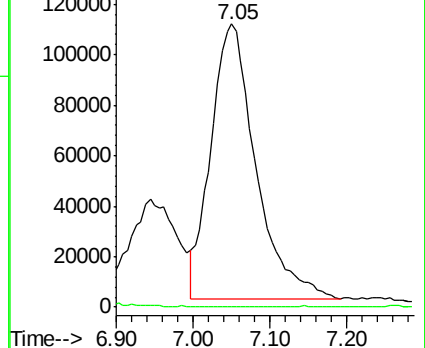
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#28

Bromochloromethane

Concen: 3.087 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.02 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

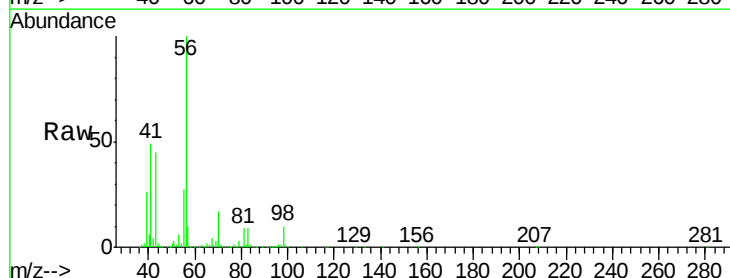
Tgt Ion: 49 Resp: 15505

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.4

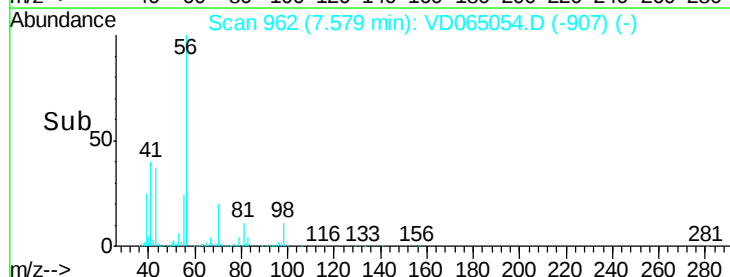
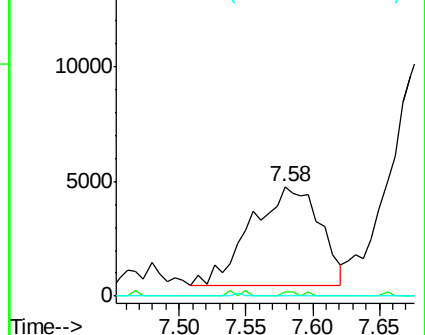
130 0.0 63.8 95.8#

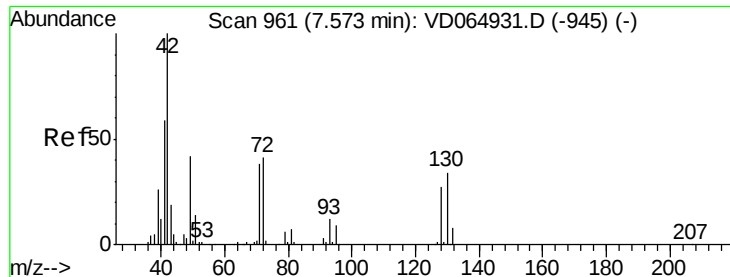


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

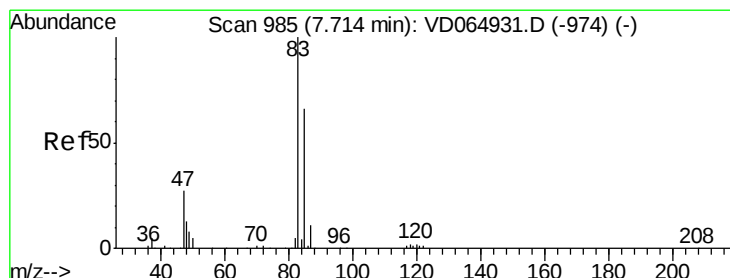
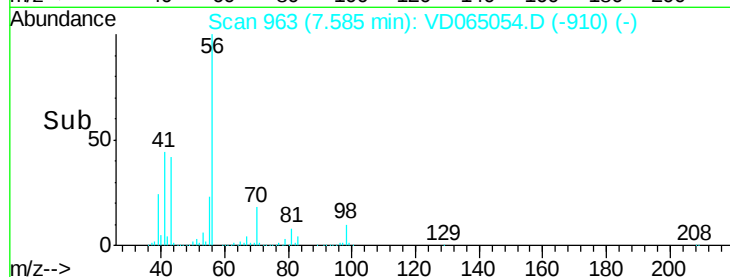
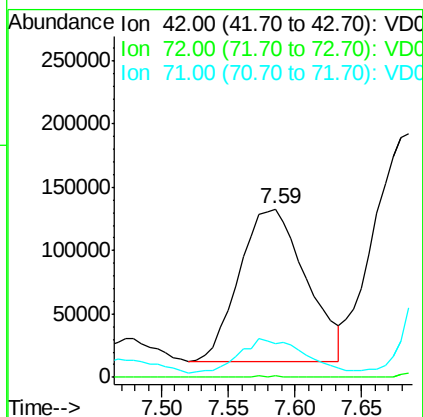
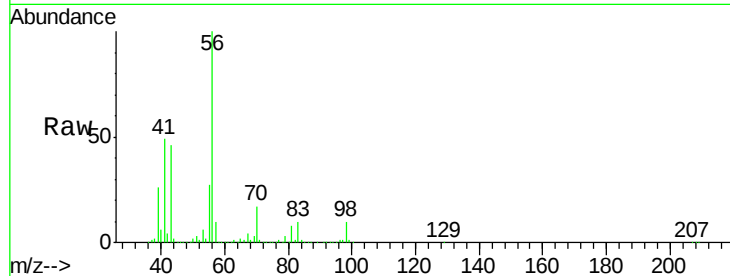




#29
Tetrahydrofuran
Concen: 351.370 ug/l
RT: 7.59 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

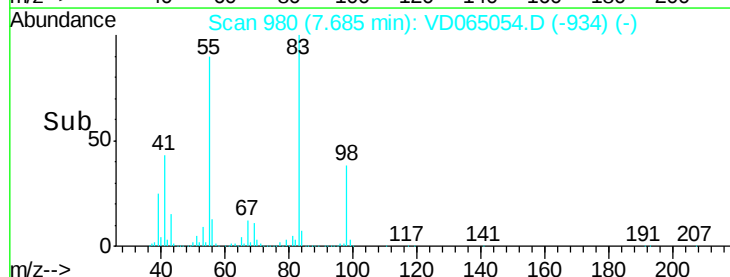
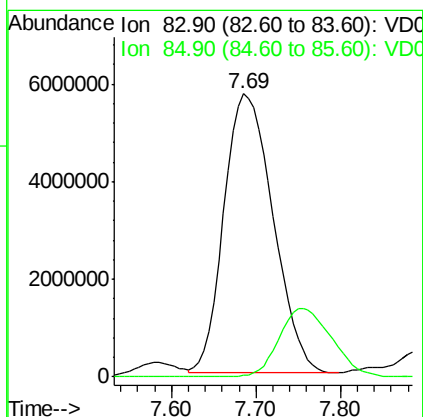
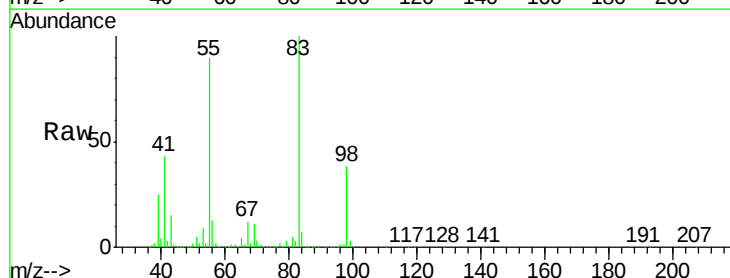
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

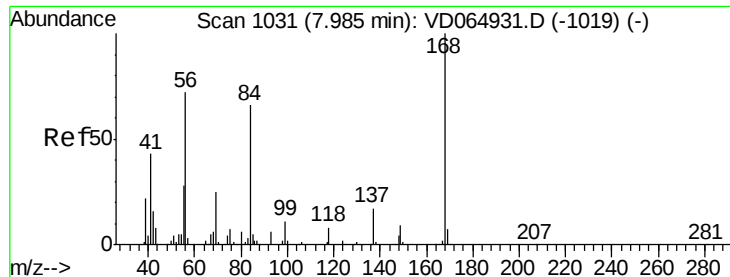
Tot Ion: 42 Resp: 415357
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#30
Chloroform
Concen: 1781.529 ug/l
RT: 7.69 min Scan# 980
Delta R.T. -0.03 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 83 Resp: 23129196
Ion Ratio Lower Upper
83 100
85 0.5 52.4 78.6#

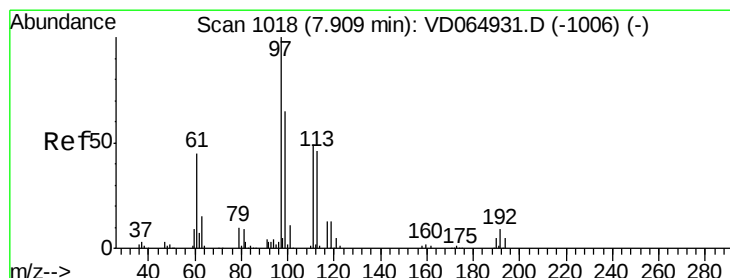
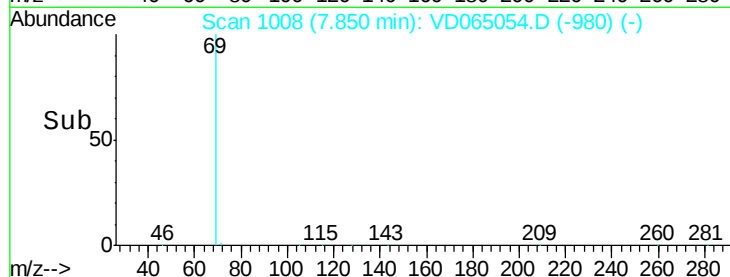
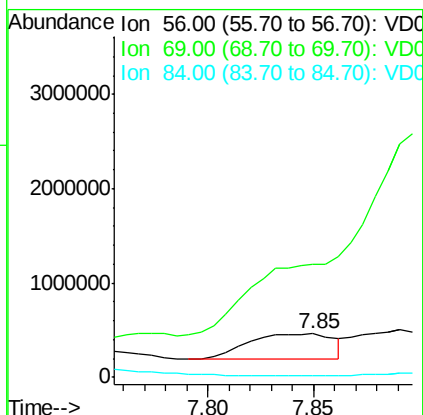
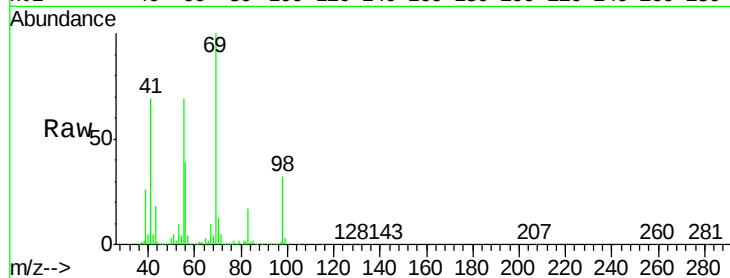




#31
Cyclohexane
Concen: 61.266 ug/l
RT: 7.85 min Scan# 1008
Delta R.T. -0.14 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

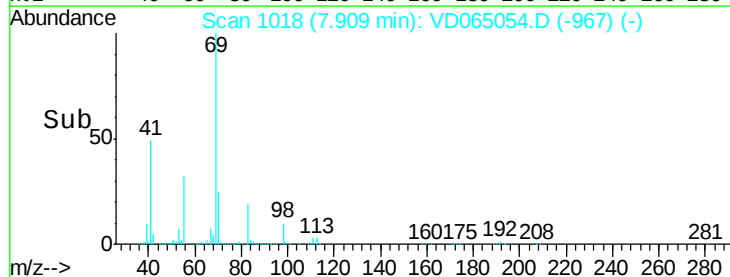
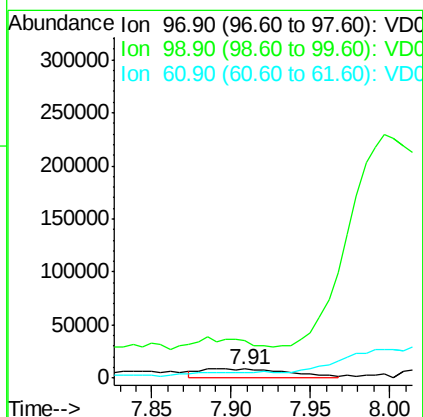
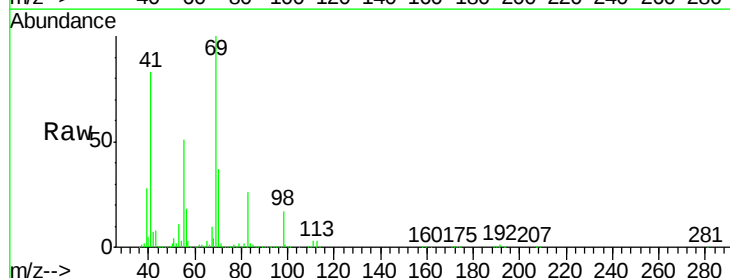
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

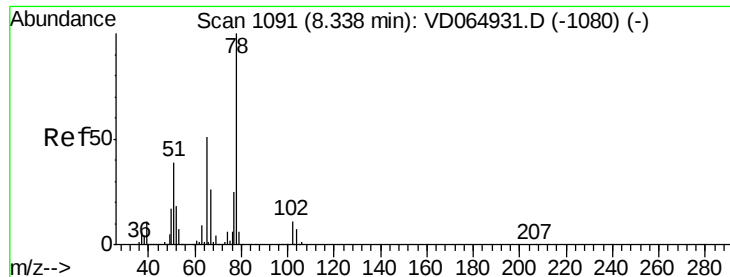
Tot Ion: 56 Resp: 756947
Ion Ratio Lower Upper
56 100
69 277.0 27.9 41.9#
84 0.0 72.8 109.2#



#32
1,1,1-Trichloroethane
Concen: 2.365 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 97 Resp: 28567
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 26.8 35.7 53.5#





#33

1,2-Dichloroethane-d4

Concen: 11.387 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

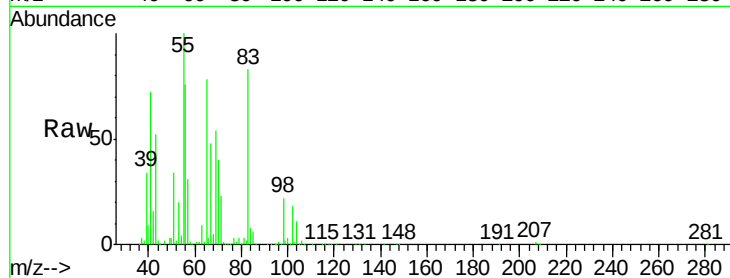
PD-3-(30-32)

Tot Ion: 65 Resp: 80752

Ion Ratio Lower Upper

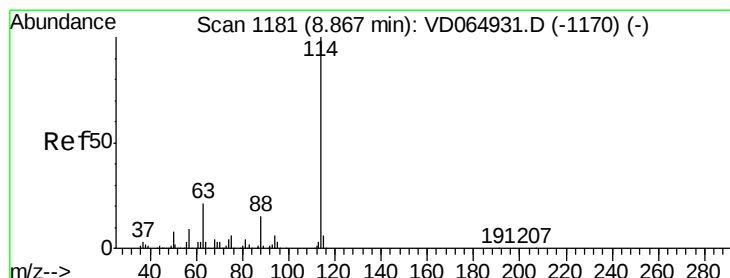
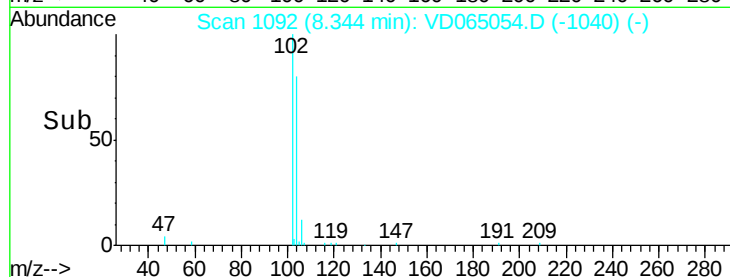
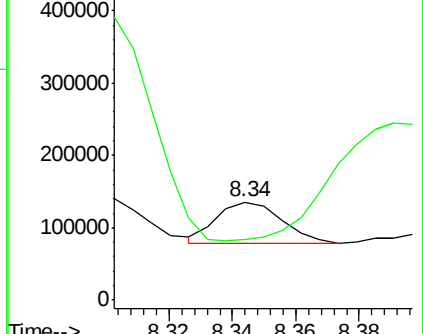
65 100

67 0.0 0.0 103.6



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: 8.88 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

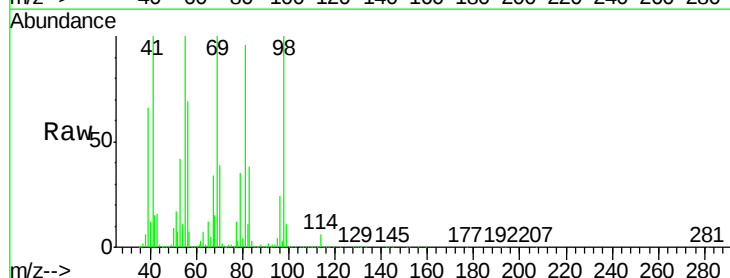
Tgt Ion: 114 Resp: 1176606

Ion Ratio Lower Upper

114 100

63 103.1 0.0 42.0#

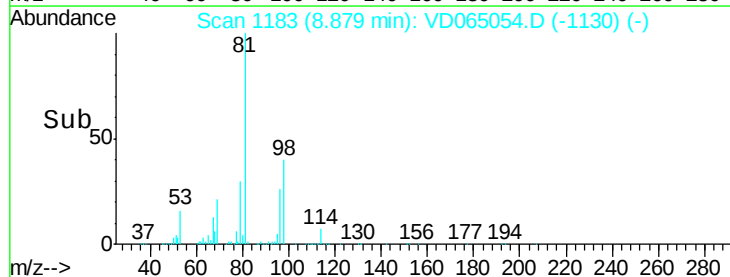
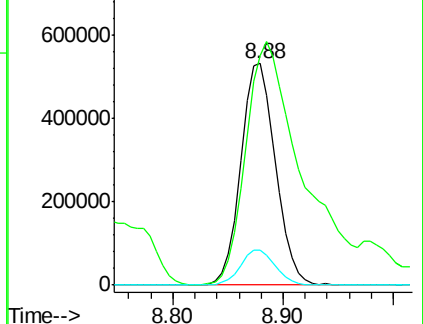
88 15.8 0.0 29.4

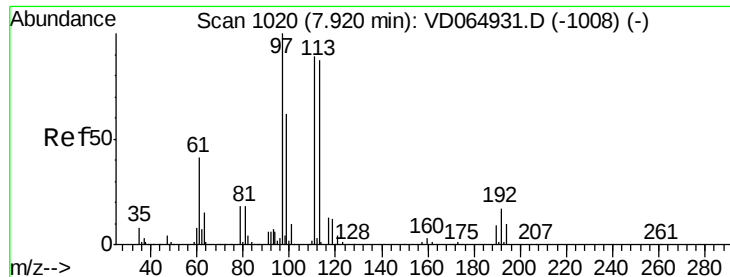


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

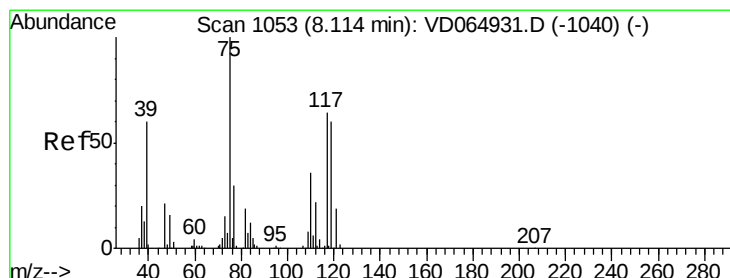
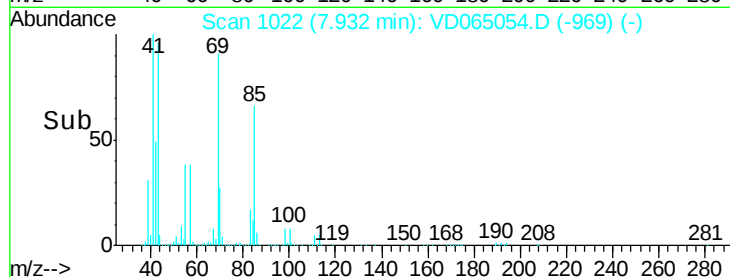
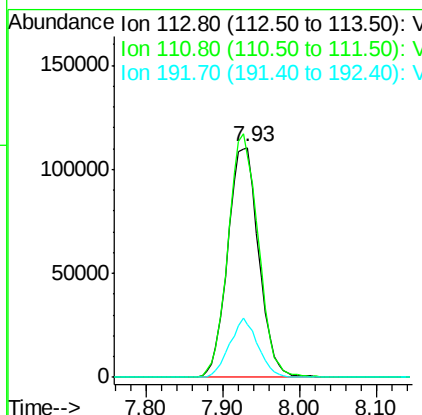
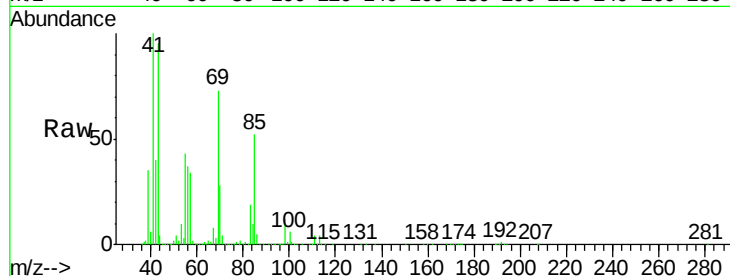




#35
 Dibromofluoromethane
 Concen: 42.126 ug/l
 RT: 7.93 min Scan# 1022
 Delta R.T. 0.01 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

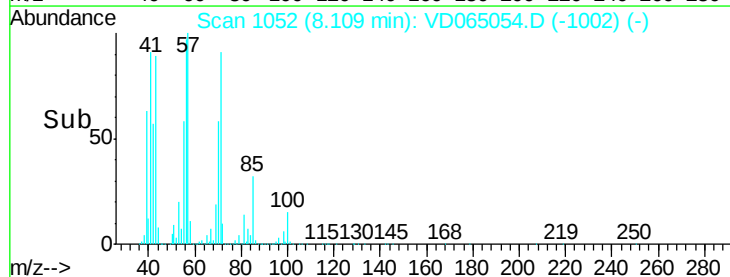
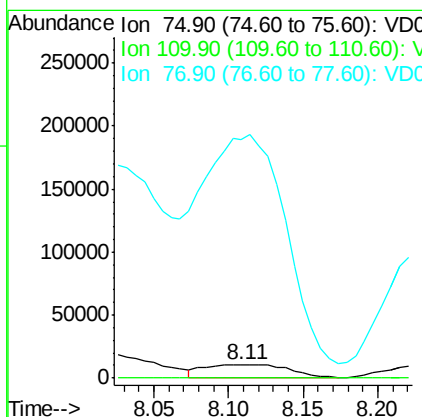
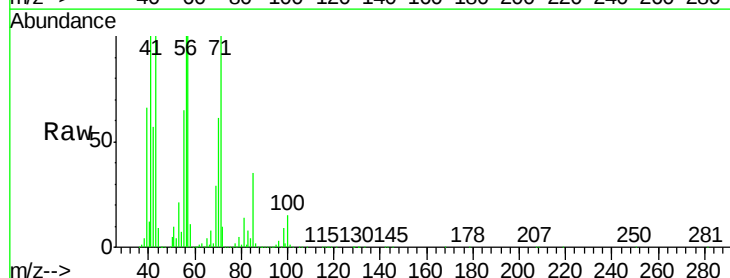
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(30-32)

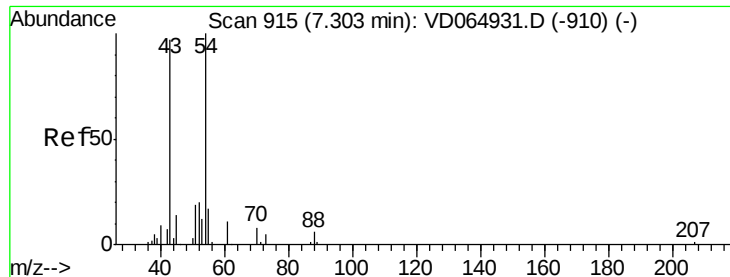
Tot Ion:113 Resp: 311475
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 23.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 3.432 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

Tgt Ion: 75 Resp: 38934
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.3 52.0#
 77 1743.3 24.7 37.1#

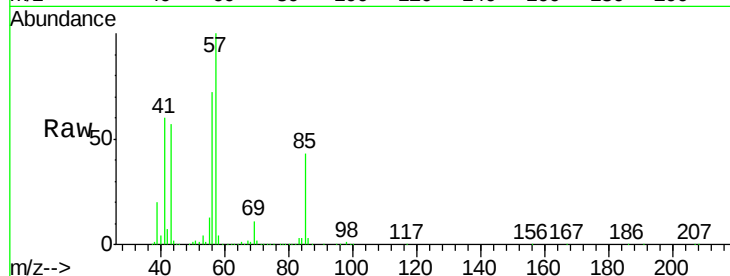




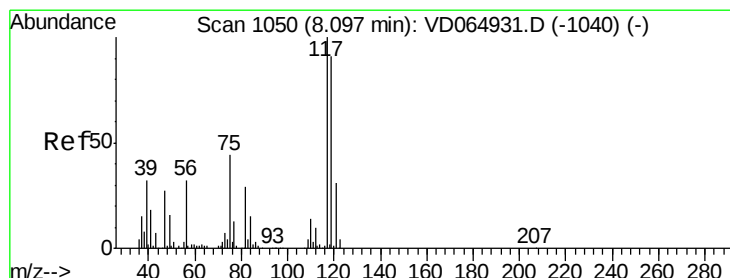
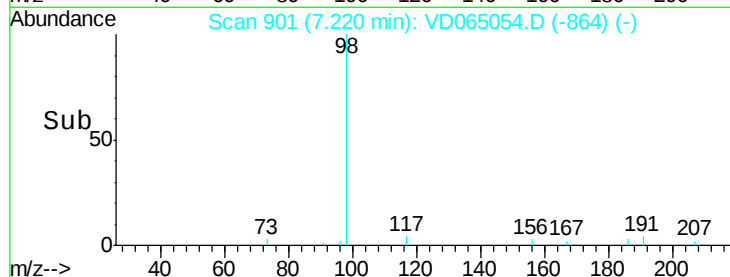
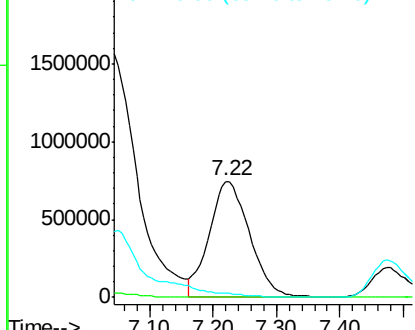
#37
Ethyl Acetate
Concen: 694.259 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

Tot Ion: 43 Resp: 3253628
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 7.5 11.3#

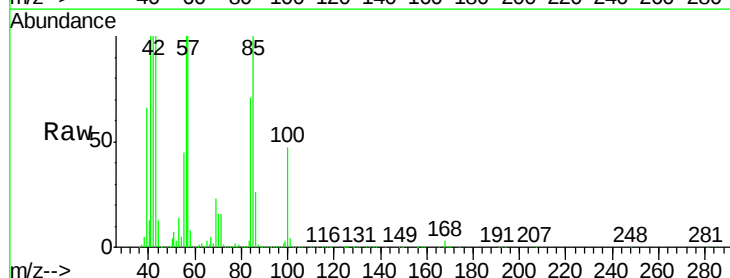


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

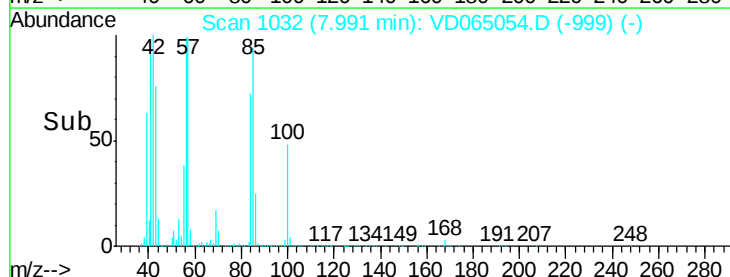
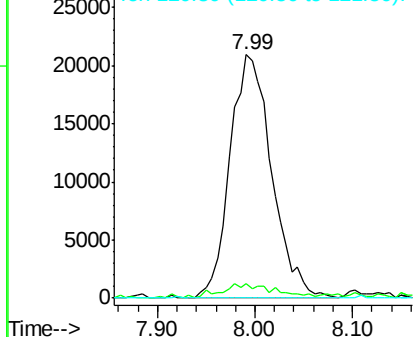


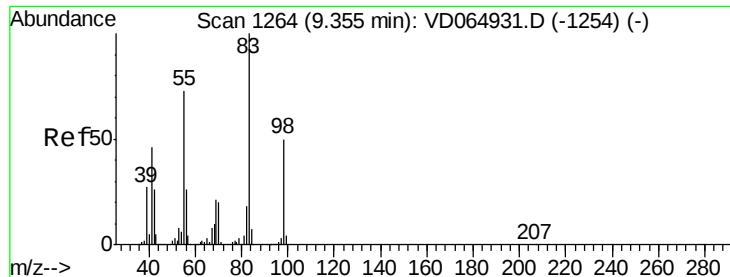
#38
Carbon Tetrachloride
Concen: 5.175 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 117 Resp: 62060
Ion Ratio Lower Upper
117 100
119 4.6 73.2 109.8#
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

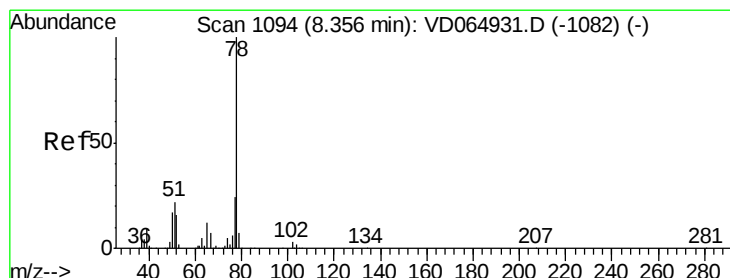
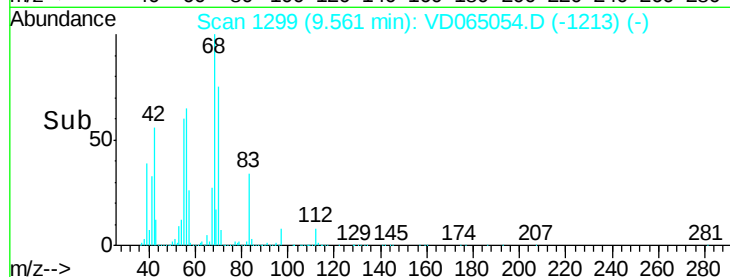
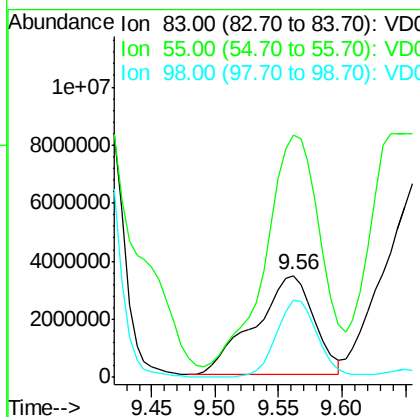
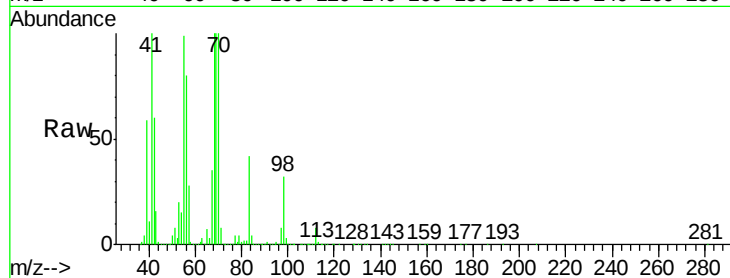




#39
Methvlcvclohexane
Concen: 849.672 ug/l
RT: 9.56 min Scan# 1299
Delta R.T. 0.21 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

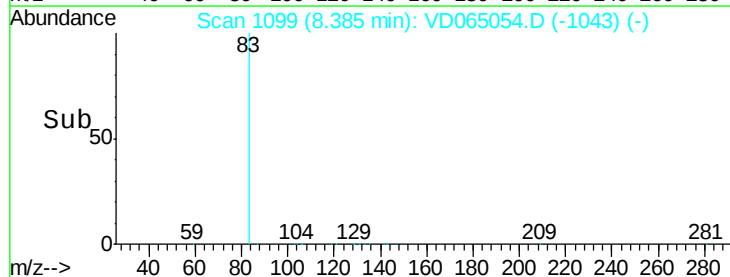
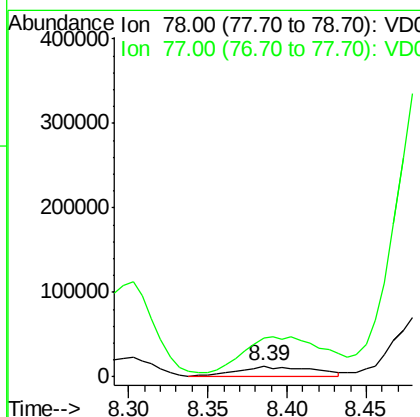
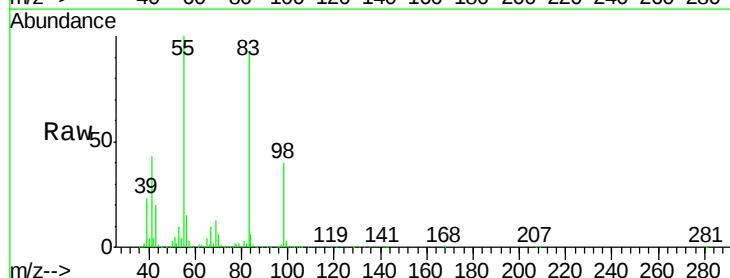
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

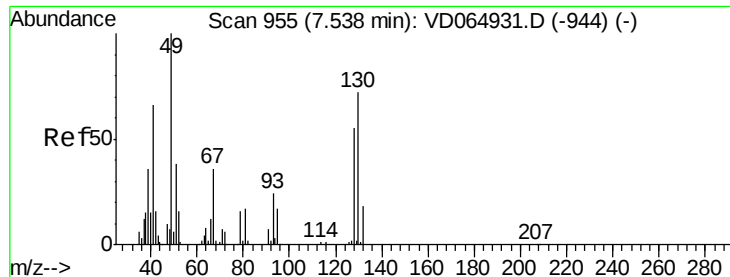
Tot Ion: 83 Resp: 11270569
Ion Ratio Lower Upper
83 100
55 224.2 58.7 88.1#
98 76.9 40.2 60.2#



#40
Benzene
Concen: 1.117 ug/l
RT: 8.39 min Scan# 1099
Delta R.T. 0.03 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 78 Resp: 34898
Ion Ratio Lower Upper
78 100
77 321.5 19.2 28.8#

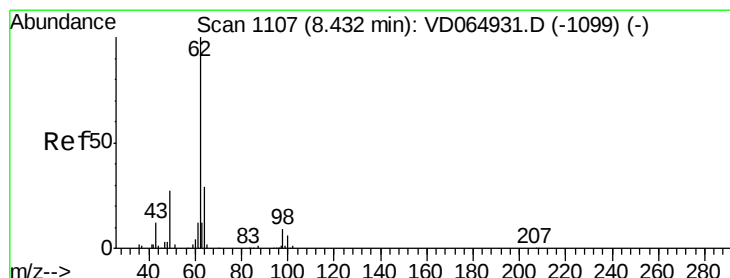
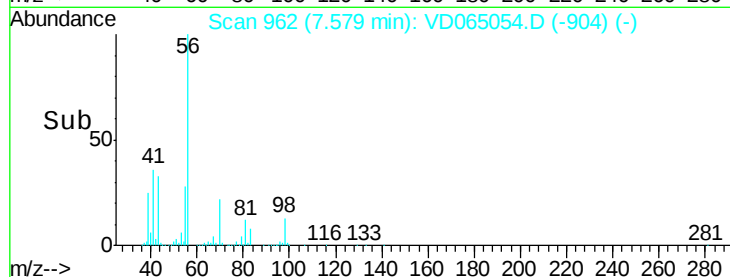
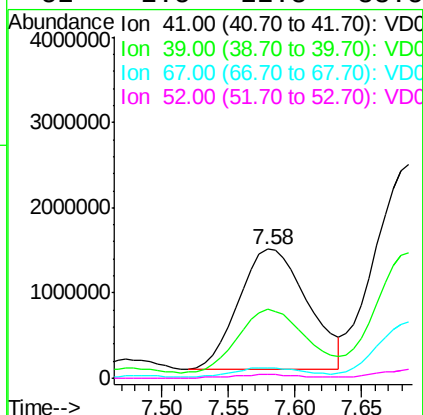
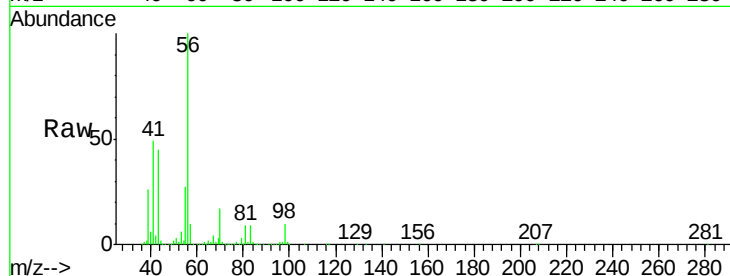




#41
Methacrylonitrile
Concen: 1987.306 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.04 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

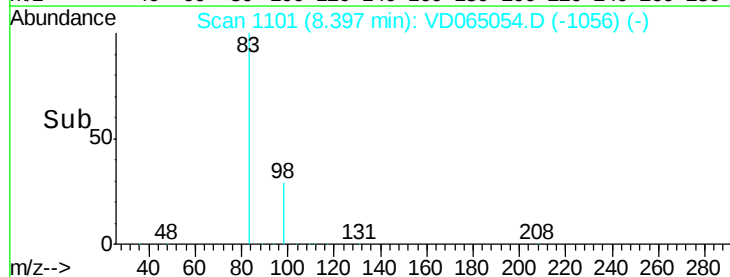
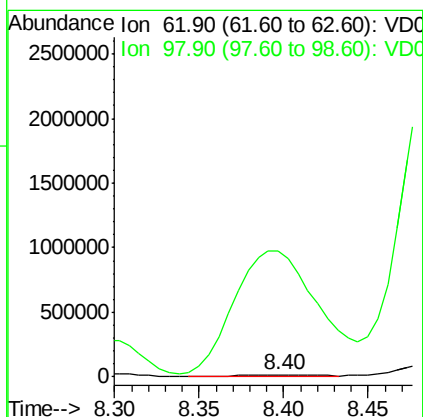
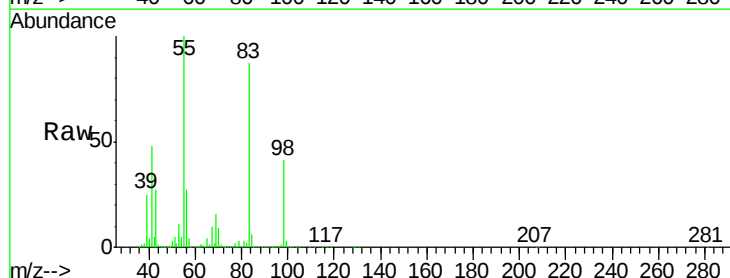
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

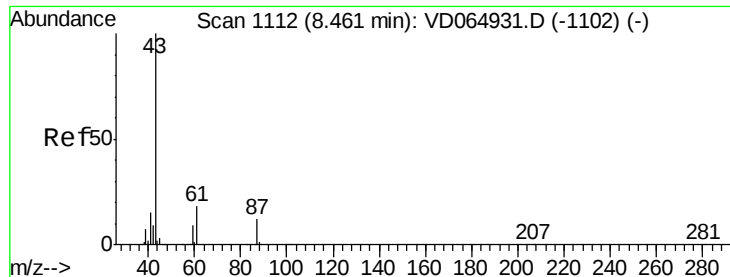
Tot Ion: 41 Resp: 5017127
Ion Ratio Lower Upper
41 100
39 52.9 49.3 73.9
67 7.6 51.0 76.6#
52 2.5 22.3 33.5#



#42
1,2-Dichloroethane
Concen: 5.182 ug/l
RT: 8.40 min Scan# 1101
Delta R.T. -0.04 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 62 Resp: 48238
Ion Ratio Lower Upper
62 100
98 6851.3 0.0 17.8#





#43

Isopropyl Acetate

Concen: 4449.811 ug/l

RT: 8.47 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampled :

PD-3-(30-32)

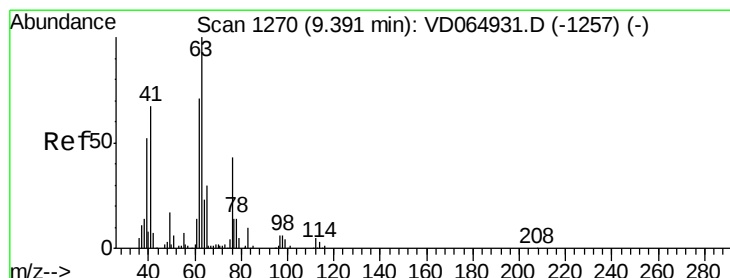
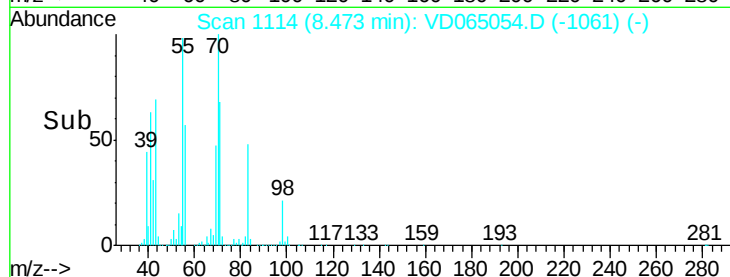
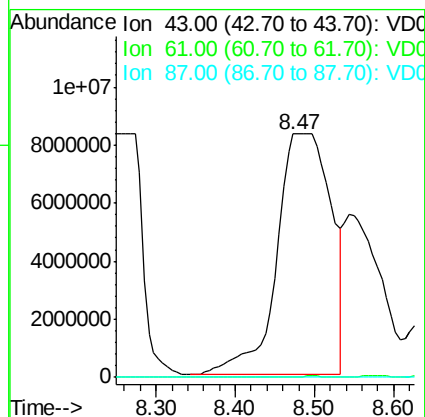
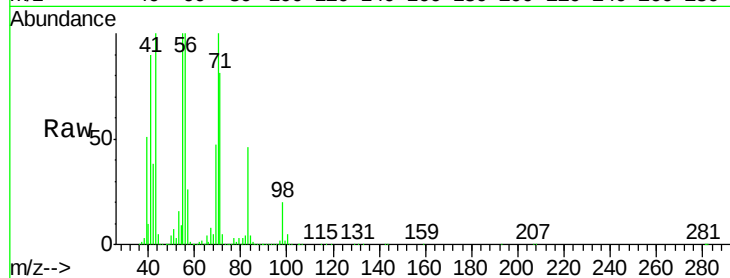
Tot Ion: 43 Resp:39612779

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.6#

87 0.0 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 220.524 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065054.D

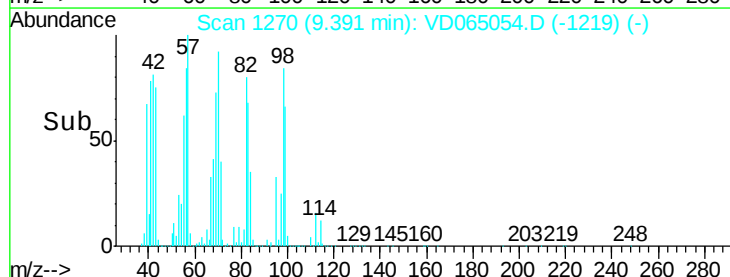
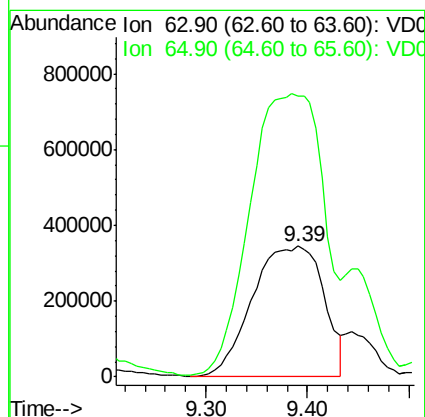
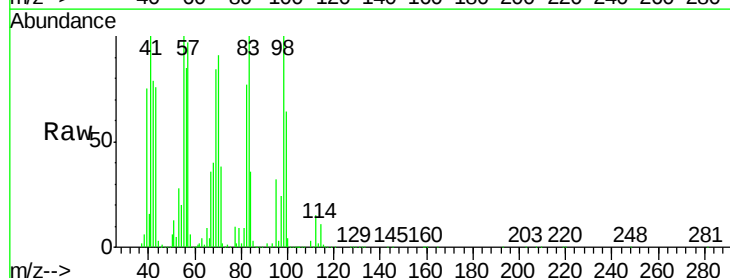
Acq: 03 Feb 2020 15:13

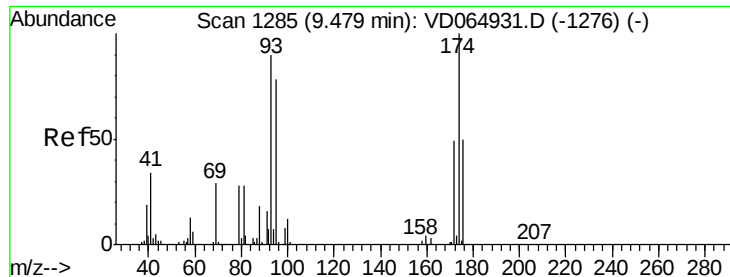
Tgt Ion: 63 Resp: 1670524

Ion Ratio Lower Upper

63 100

65 213.5 24.3 36.5#





#46

Dibromomethane

Concen: 121.610 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.02 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(30-32)

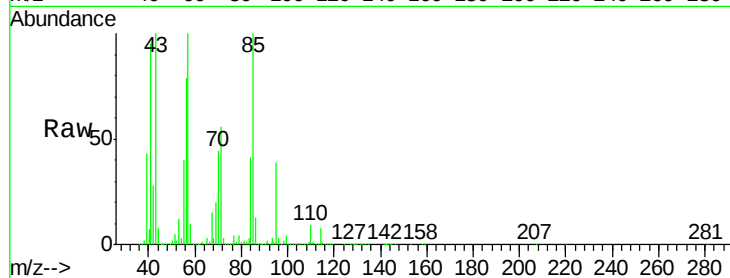
Tot Ion: 93 Resp: 502947

Ion Ratio Lower Upper

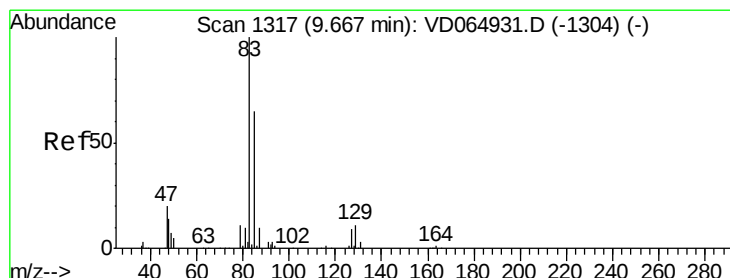
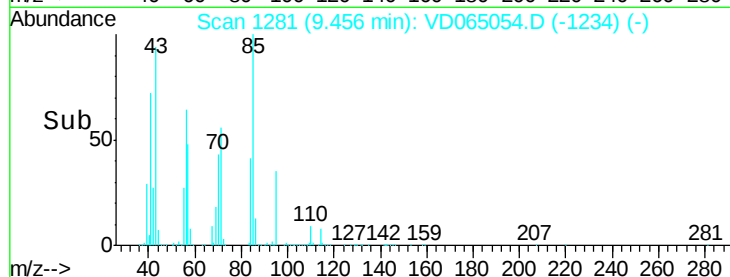
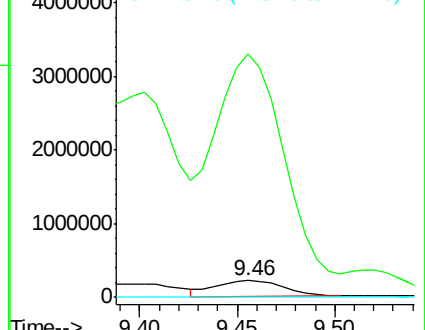
93 100

95 1441.4 67.5 101.3#

174 0.1 88.4 132.6#



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: 2161.859 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

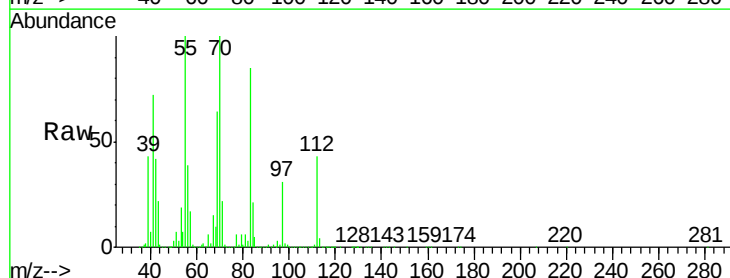
Tgt Ion: 83 Resp: 23265131

Ion Ratio Lower Upper

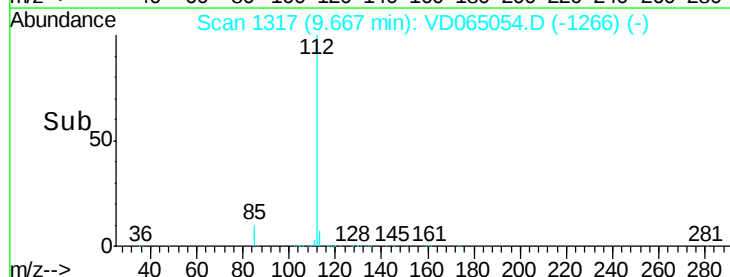
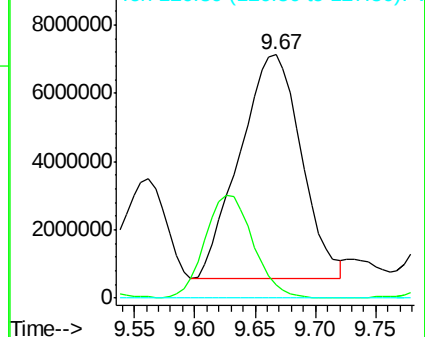
83 100

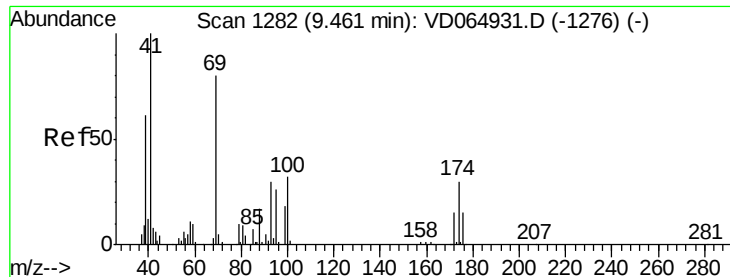
85 5.8 52.0 78.0#

127 0.0 7.3 10.9#



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

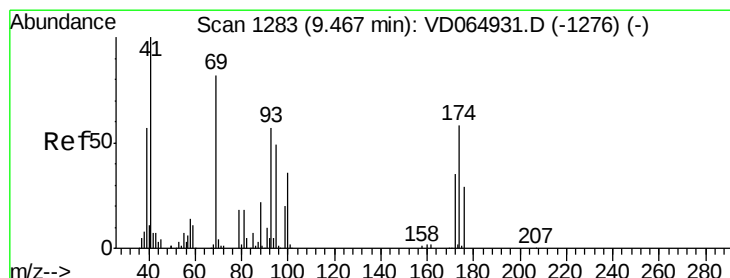
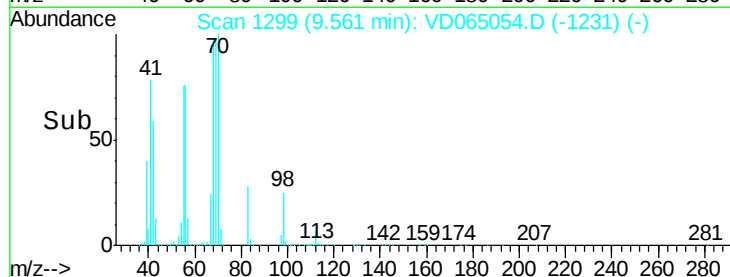
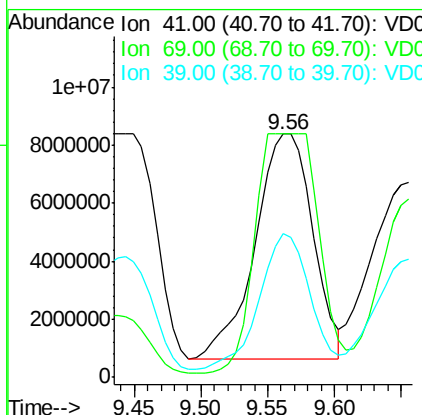
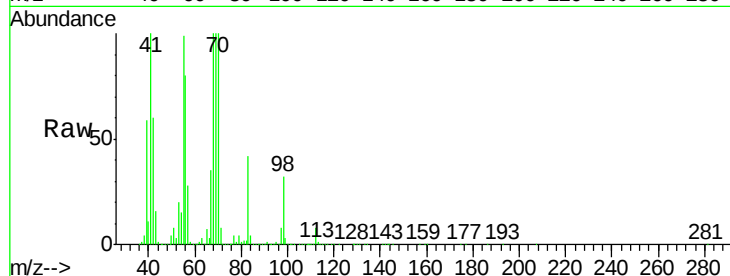




#48
Methvl methacrylate
Concen: 5657.350 ug/l
RT: 9.56 min Scan# 1299
Delta R.T. 0.10 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

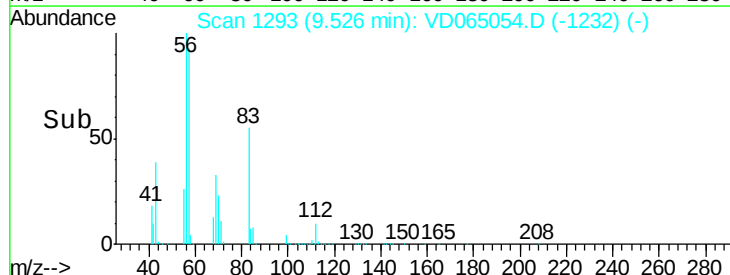
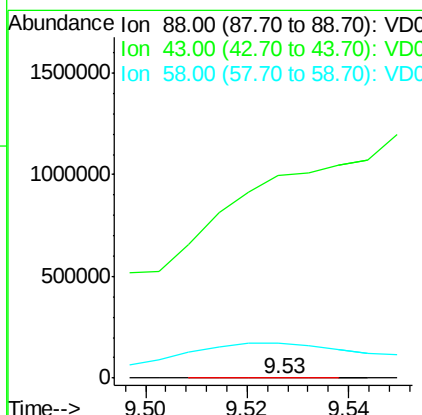
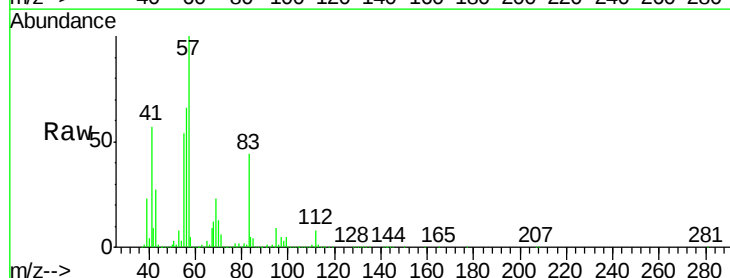
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

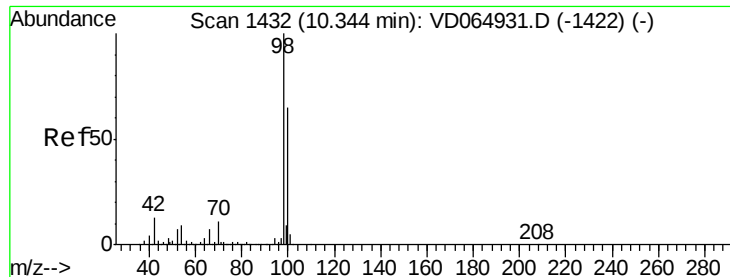
Tot Ion: 41 Resp: 23176071
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 53.3 49.4 74.0



#49
1,4-Dioxane
Concen: 4.670 ug/l
RT: 9.53 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.4#
58 270300.0 50.3 75.5#





#50

Toluene-d8

Concen: 524.827 ug/l

RT: 10.37 min Scan# 1437

Delta R.T. 0.03 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

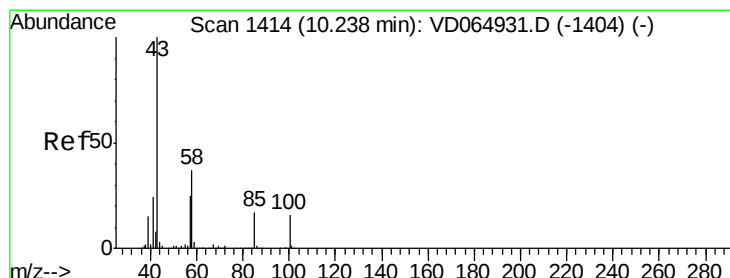
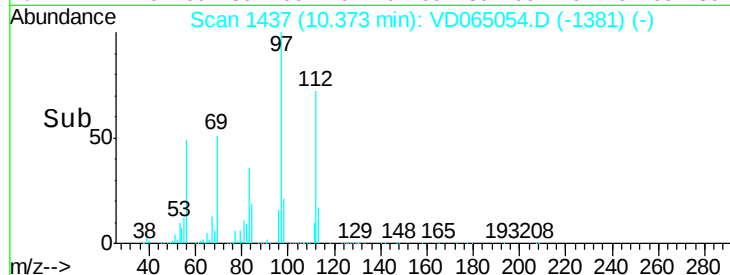
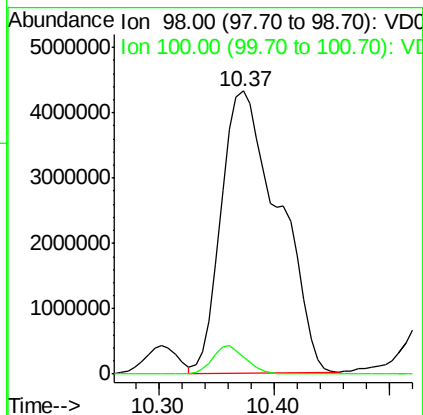
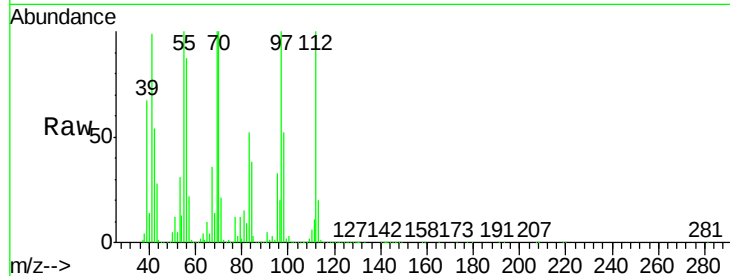
PD-3-(30-32)

Tot Ion: 98 Resp:14977461

Ion Ratio Lower Upper

98 100

100 5.7 52.3 78.5#



#51

4-Methyl-2-Pentanone

Concen: 2075.265 ug/l

RT: 10.31 min Scan# 1426

Delta R.T. 0.07 min

Lab File: VD065054.D

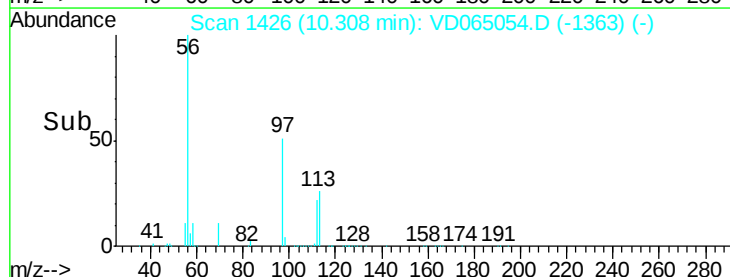
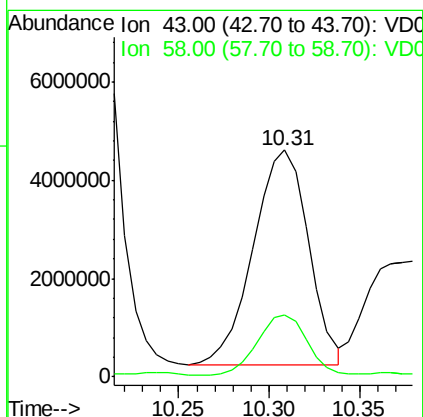
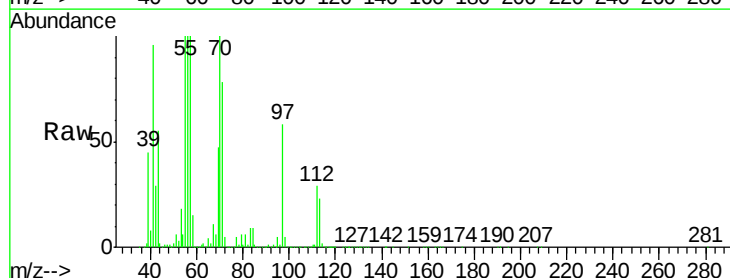
Acq: 03 Feb 2020 15:13

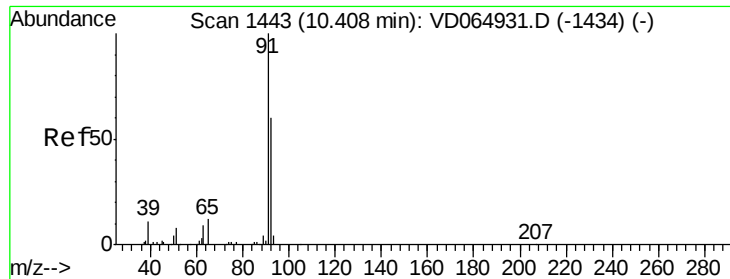
Tgt Ion: 43 Resp: 9243837

Ion Ratio Lower Upper

43 100

58 25.7 30.4 45.6#





#52

Toluene

Concen: 11.518 ug/l

RT: 10.43 min Scan# 1446

Delta R.T. 0.02 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

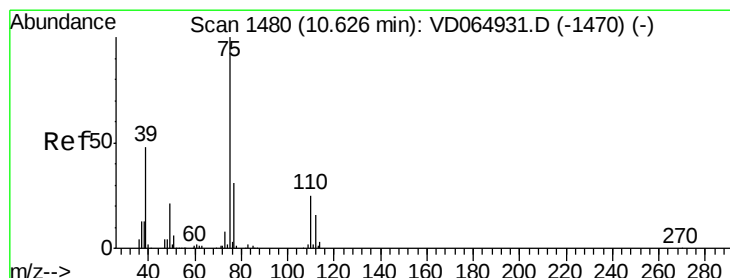
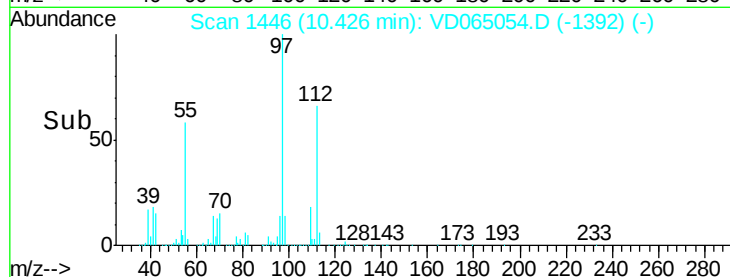
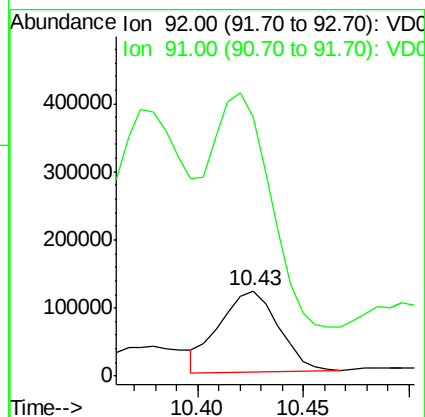
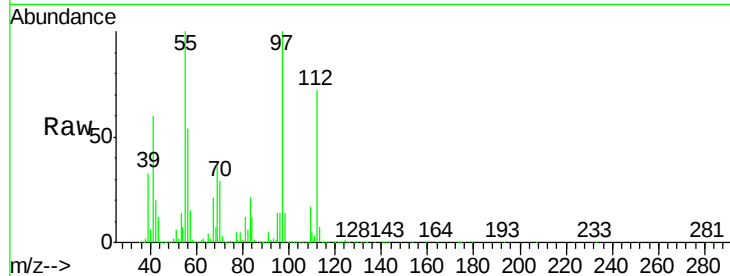
PD-3-(30-32)

Tot Ion: 92 Resp: 232045

Ion Ratio Lower Upper

92 100

91 262.0 136.8 205.2#



#53

t-1,3-Dichloropropene

Concen: 1.463 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065054.D

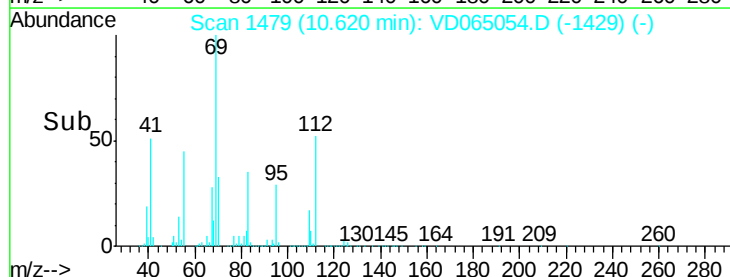
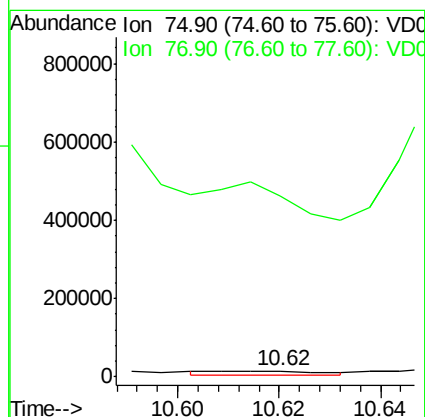
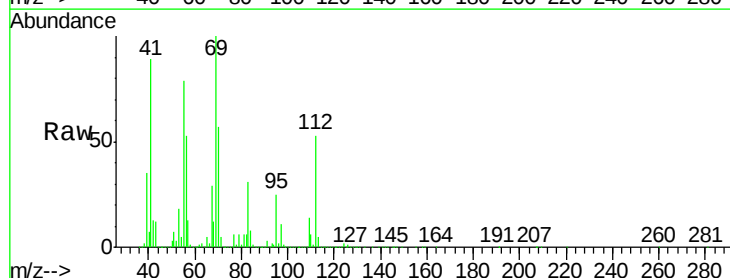
Acq: 03 Feb 2020 15:13

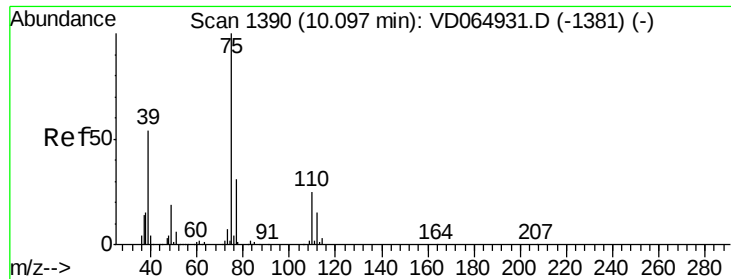
Tgt Ion: 75 Resp: 14997

Ion Ratio Lower Upper

75 100

77 1381.2 25.0 37.6#





#54

cis-1,3-Dichloropropene

Concen: 1.213 ug/l

RT: 10.15 min Scan# 1399

Delta R.T. 0.05 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(30-32)

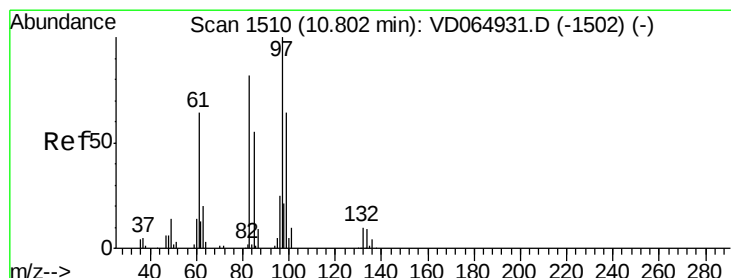
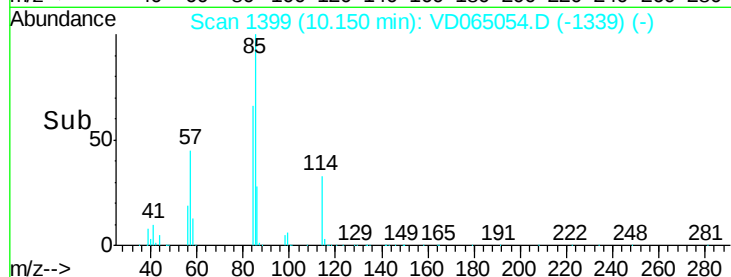
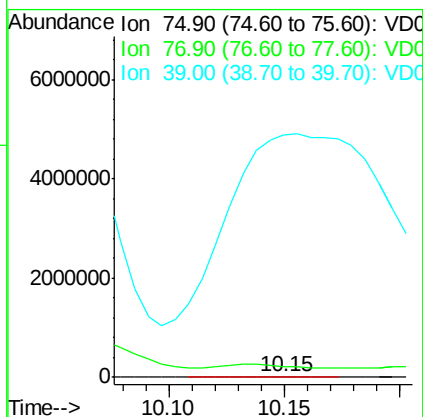
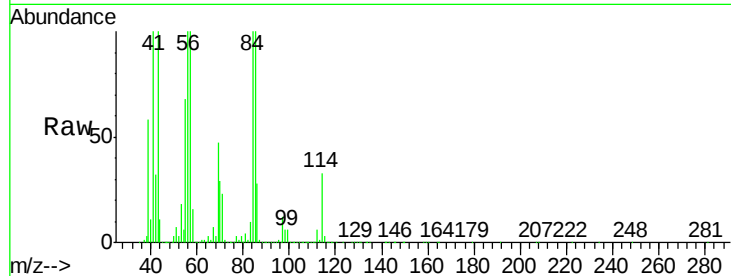
Tot Ion: 75 Resp: 14564

Ion Ratio Lower Upper

75 100

77 931.5 25.1 37.7#

39 65014.2 43.0 64.6#



#55

1,1,2-Trichloroethane

Concen: 649.615 ug/l

RT: 10.79 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Tgt Ion: 97 Resp: 3618922

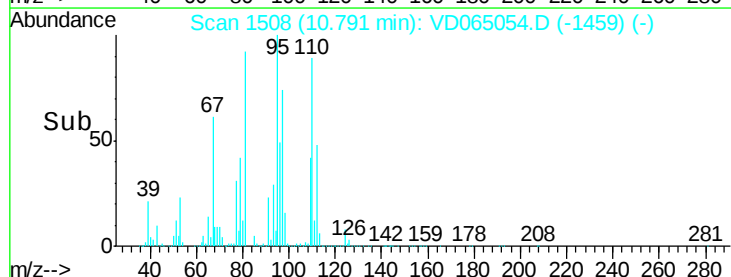
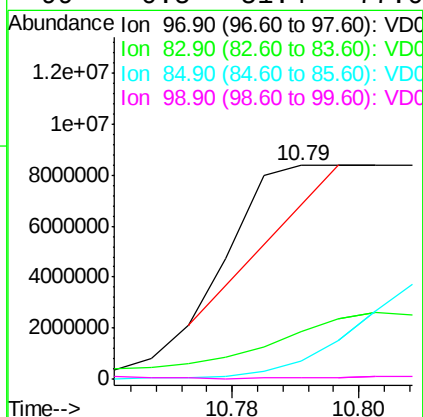
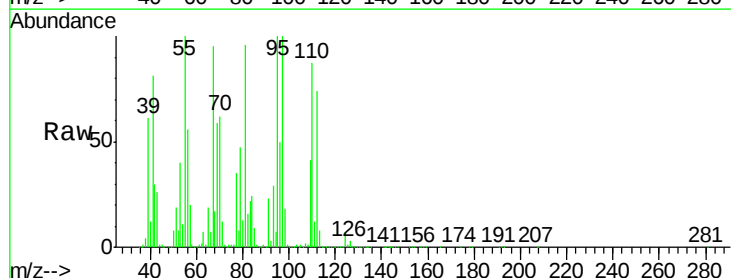
Ion Ratio Lower Upper

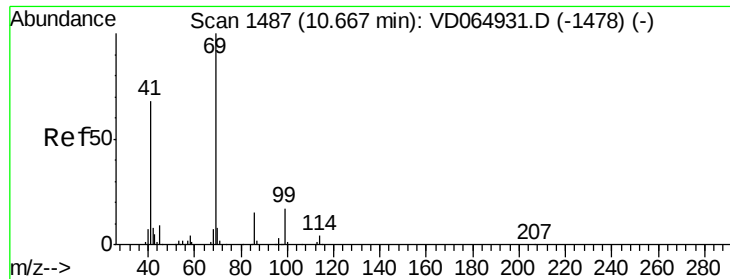
97 100

83 20.2 66.0 99.0#

85 10.6 44.4 66.6#

99 0.5 51.4 77.0#





#56

Ethyl methacrylate

Concen: 1831.703 ug/l

RT: 10.72 min Scan# 1496

Delta R.T. 0.05 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(30-32)

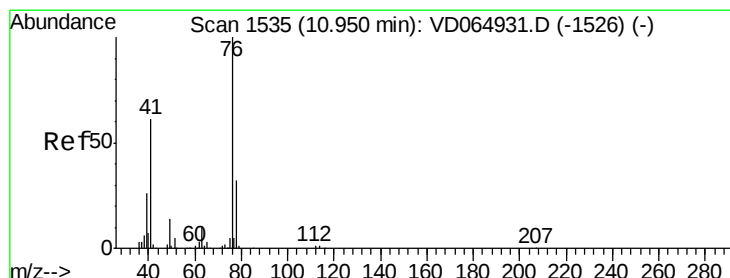
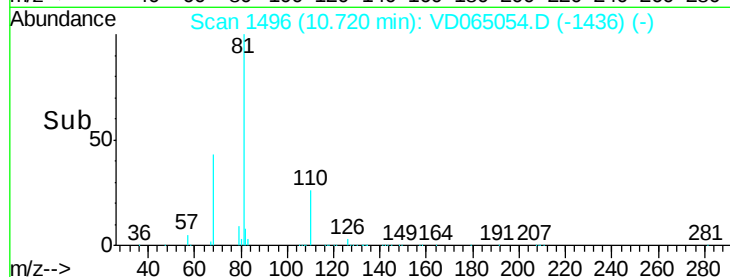
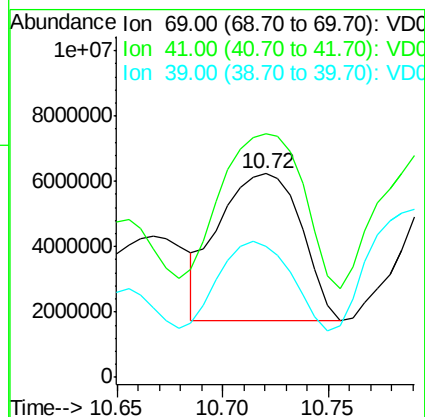
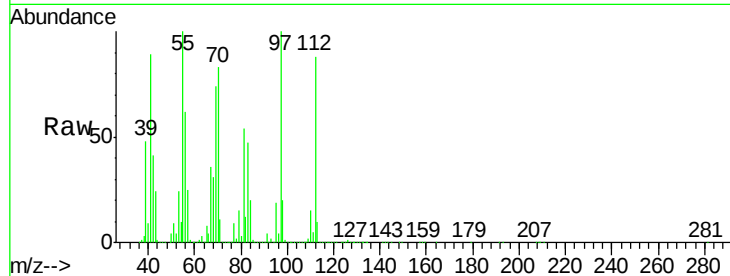
Tot Ion: 69 Resp:12202401

Ion Ratio Lower Upper

69 100

41 108.7 56.4 84.6#

39 64.9 30.6 46.0#



#57

1,3-Dichloropropane

Concen: 3.000 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065054.D

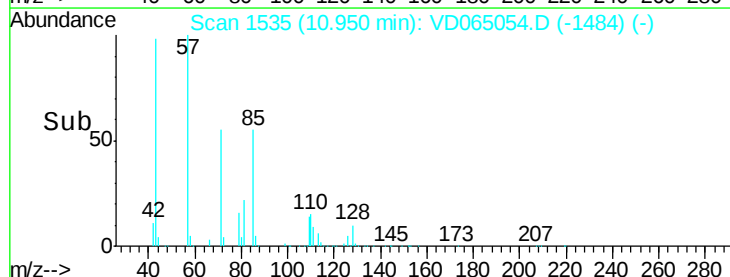
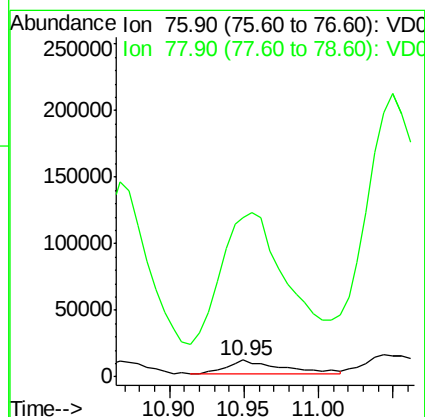
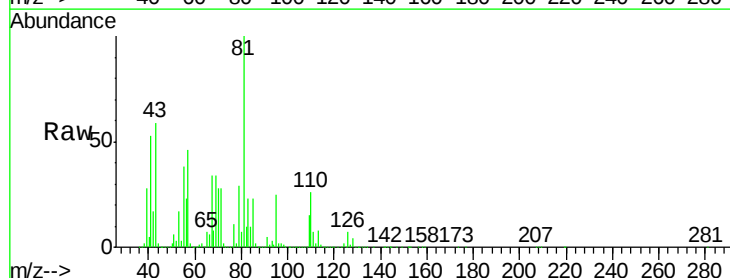
Acq: 03 Feb 2020 15:13

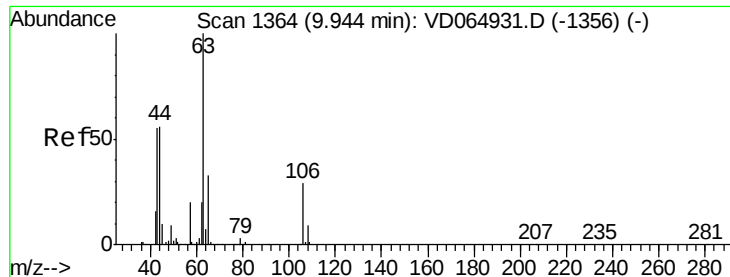
Tgt Ion: 76 Resp: 28664

Ion Ratio Lower Upper

76 100

78 1027.8 25.7 38.5#

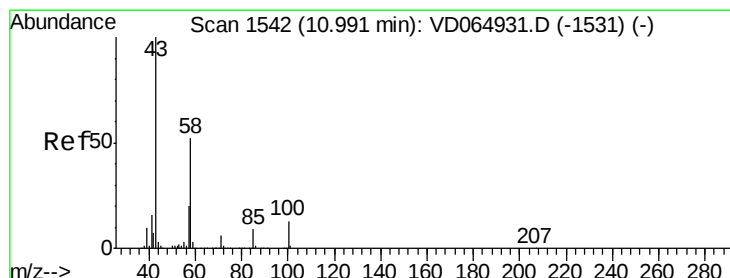
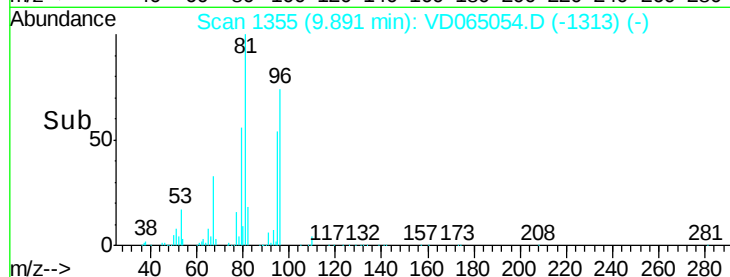
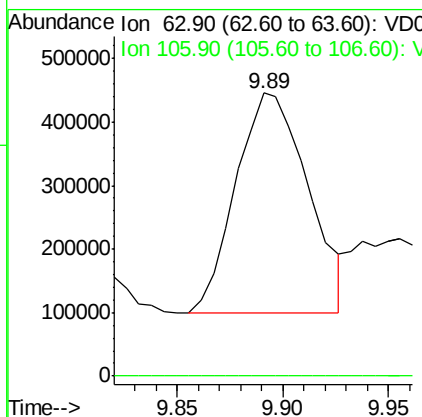
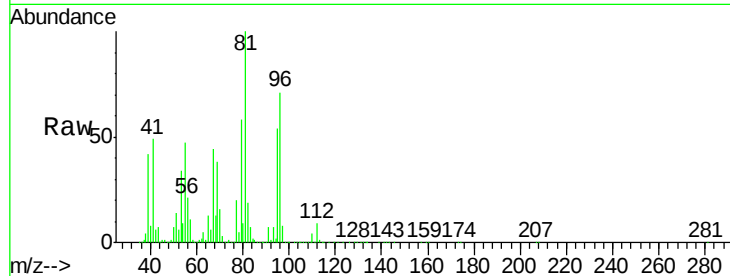




#58
 2-Chloroethyl Vinyl ether
 Concen: 373.183 ug/l
 RT: 9.89 min Scan# 1355
 Delta R.T. -0.05 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

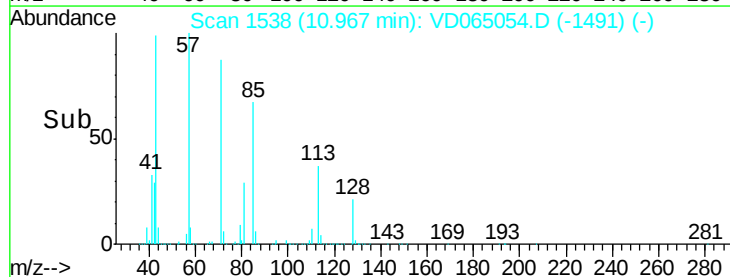
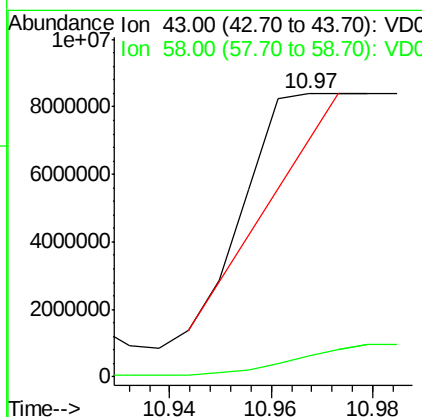
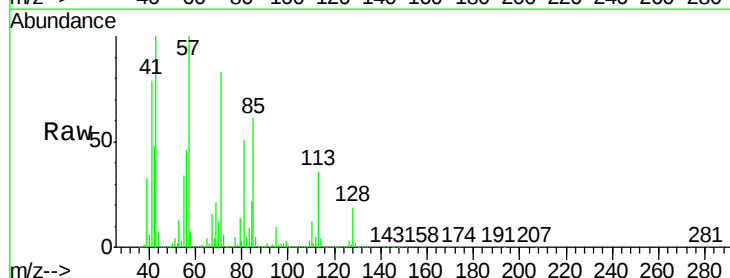
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(30-32)

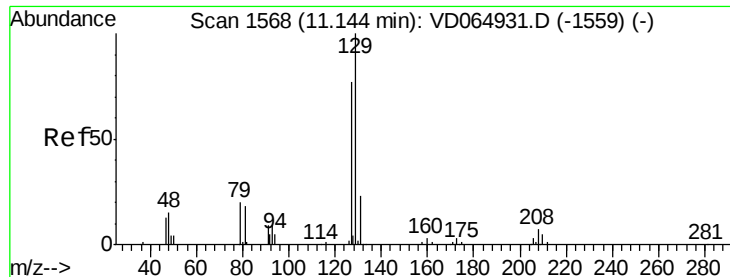
Tot Ion: 63 Resp: 825927
 Ion Ratio Lower Upper
 63 100
 106 0.1 23.0 34.4#



#59
 2-Hexanone
 Concen: 1098.467 ug/l
 RT: 10.97 min Scan# 1538
 Delta R.T. -0.02 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

Tgt Ion: 43 Resp: 3374981
 Ion Ratio Lower Upper
 43 100
 58 70.3 26.5 79.4





#60

Dibromochloromethane

Concen: 16.318 ug/l

RT: 11.38 min Scan# 1609

Delta R.T. 0.24 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

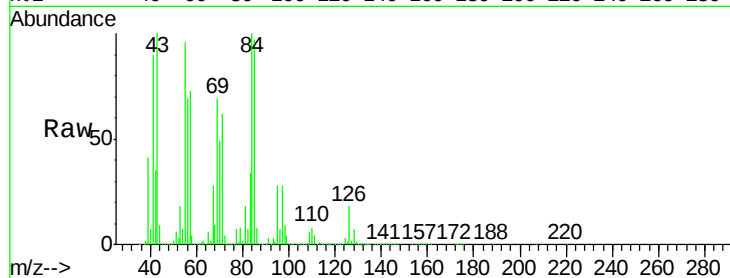
PD-3-(30-32)

Tot Ion:129 Resp: 121501

Ion Ratio Lower Upper

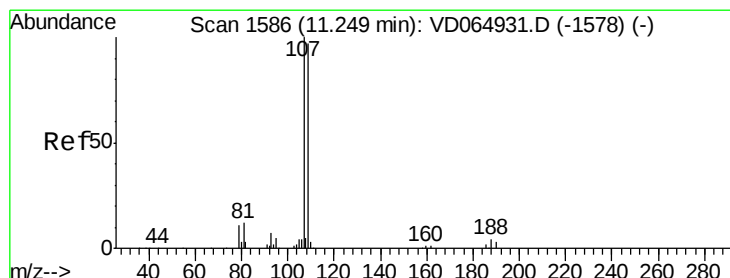
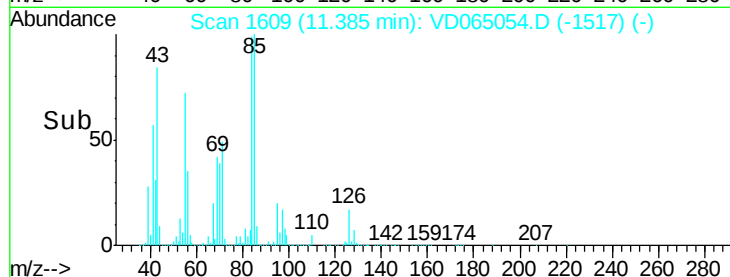
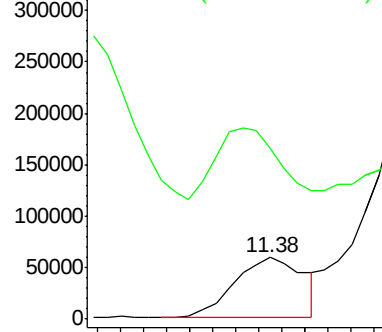
129 100

127 109.2 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 70.445 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.01 min

Lab File: VD065054.D

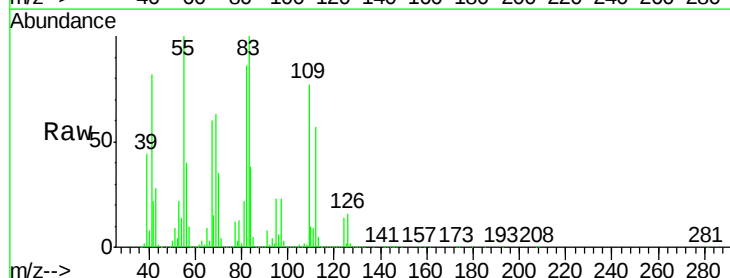
Acq: 03 Feb 2020 15:13

Tgt Ion:107 Resp: 377879

Ion Ratio Lower Upper

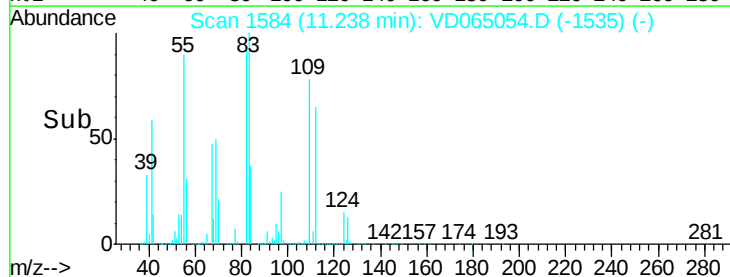
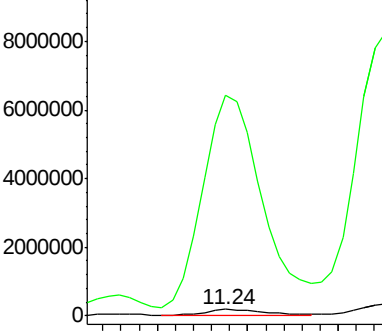
107 100

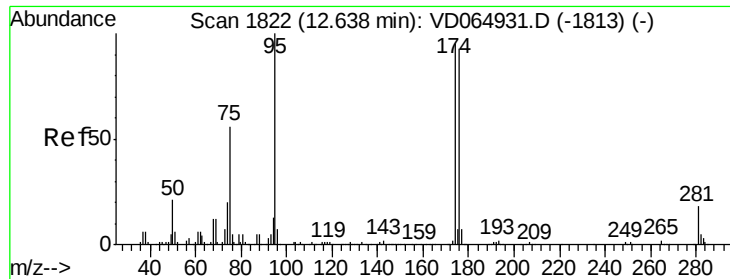
109 3692.9 77.1 115.7#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

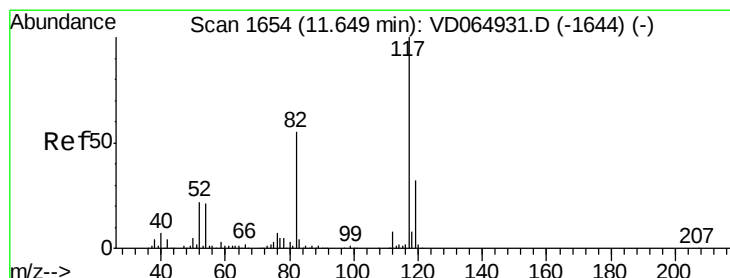
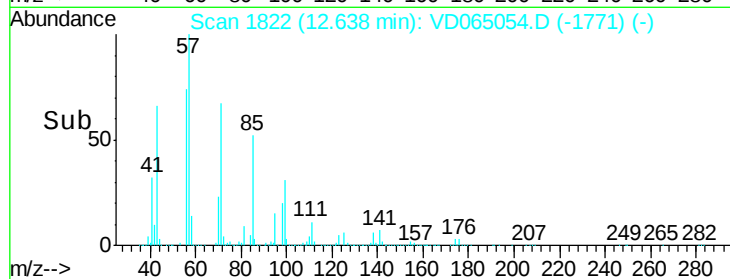
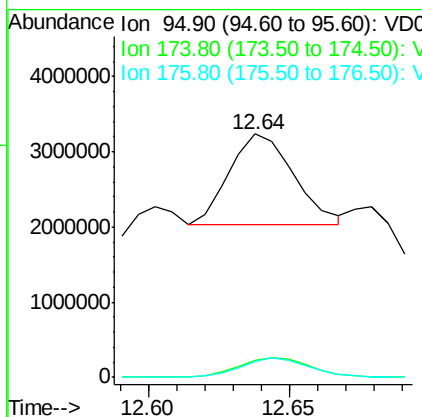
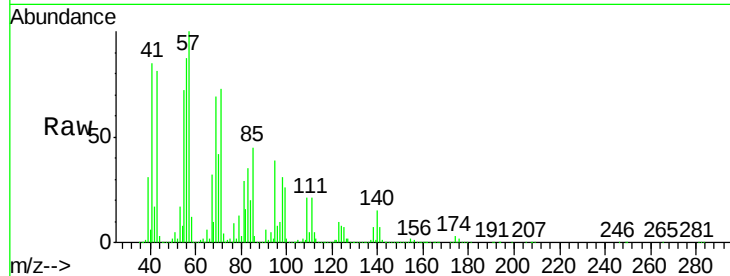




#62
4-Bromofluorobenzene
Concen: 219.384 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

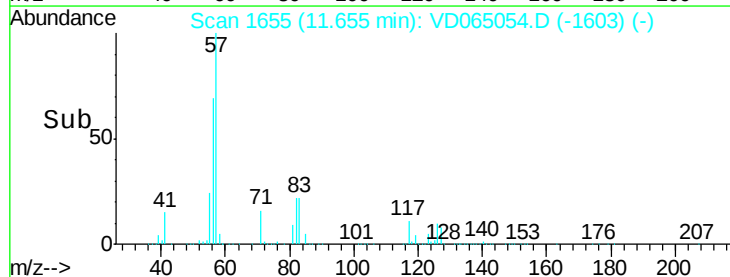
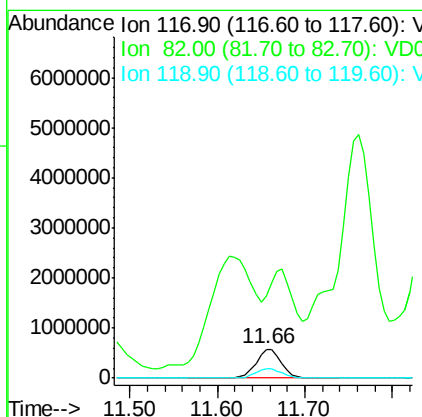
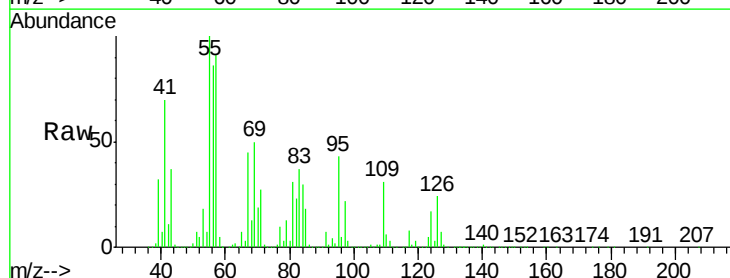
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

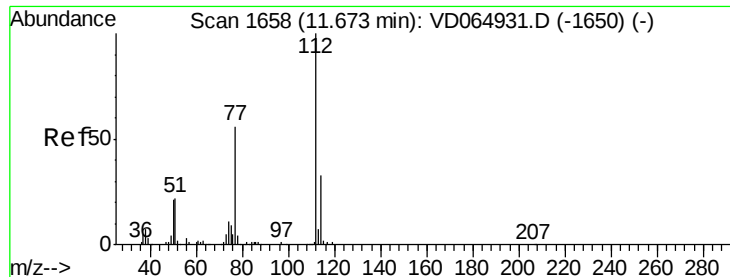
Tot Ion: 95 Resp: 1915921
Ion Ratio Lower Upper
95 100
174 23.8 0.0 186.8
176 22.7 0.0 183.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 117 Resp: 1116311
Ion Ratio Lower Upper
117 100
82 230.1 43.6 65.4#
119 32.8 25.2 37.8

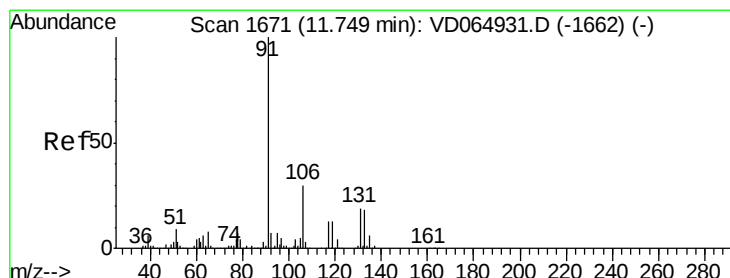
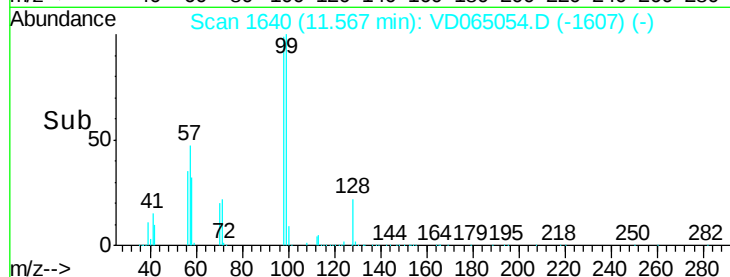
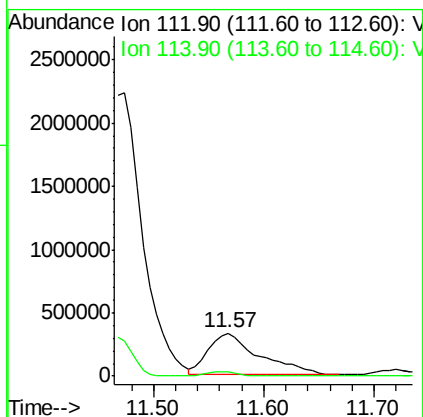
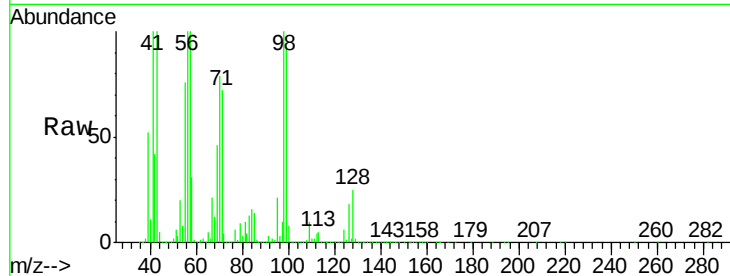




#65
Chlorobenzene
Concen: 46.238 ug/l
RT: 11.57 min Scan# 1640
Delta R.T. -0.11 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

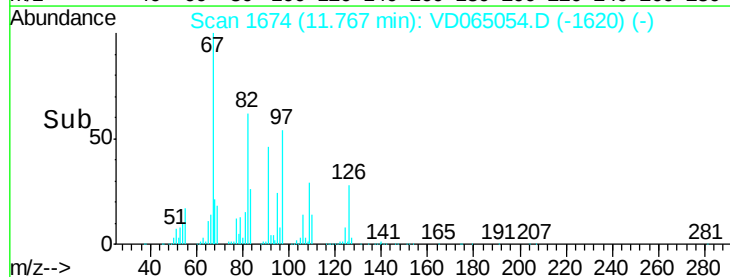
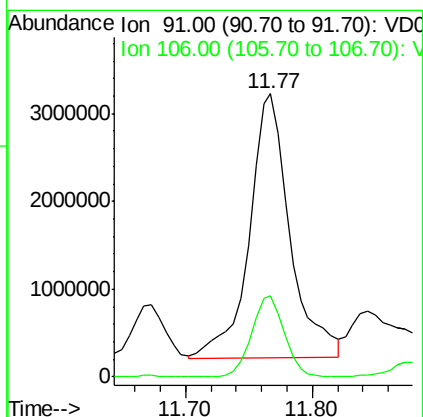
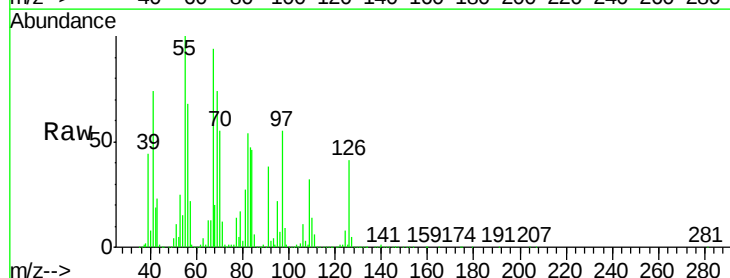
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

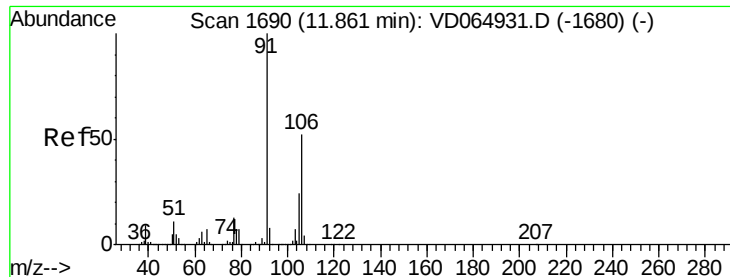
Tot Ion:112 Resp: 1048006
Ion Ratio Lower Upper
112 100
114 10.9 26.2 39.4#



#67
Ethyl Benzene
Concen: 166.695 ug/l
RT: 11.77 min Scan# 1674
Delta R.T. 0.02 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 91 Resp: 6707567
Ion Ratio Lower Upper
91 100
106 31.1 24.3 36.5

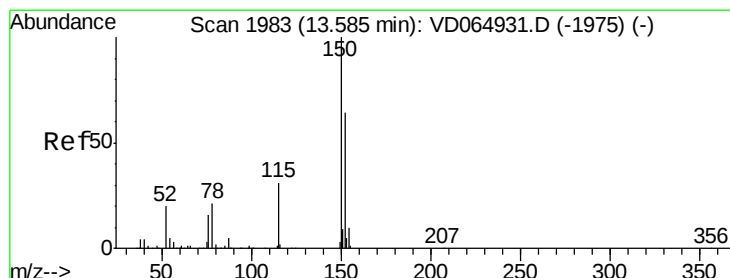
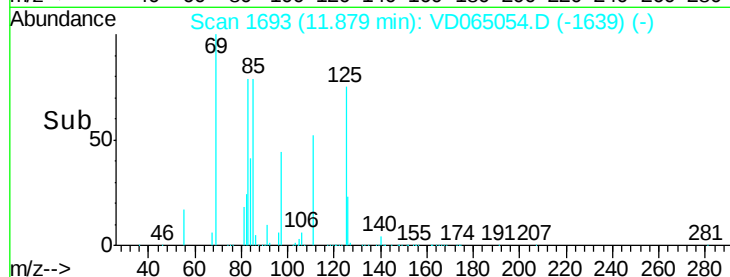
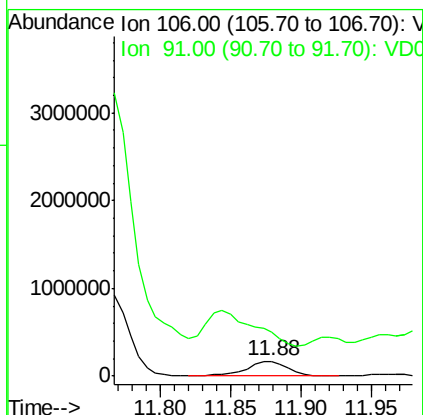
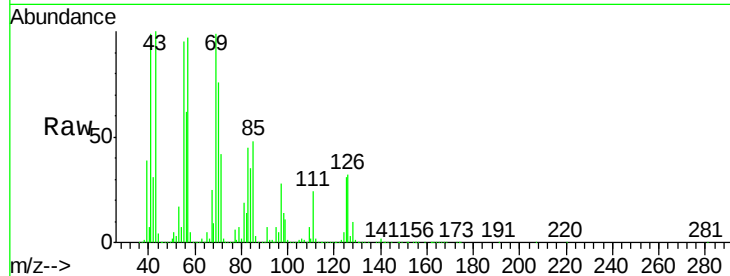




#68
m/p-Xvlenes
Concen: 21.533 ug/l
RT: 11.88 min Scan# 1693
Delta R.T. 0.02 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

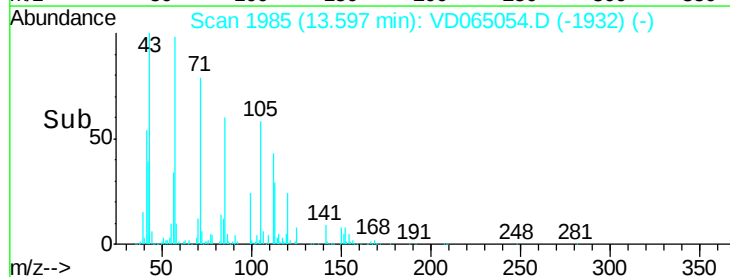
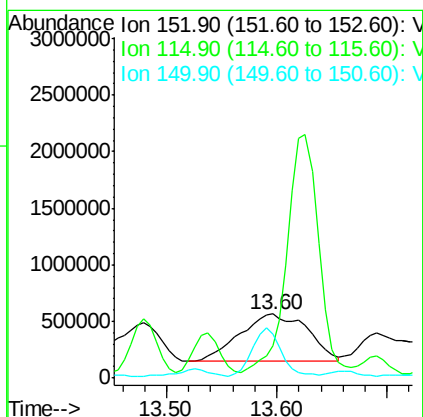
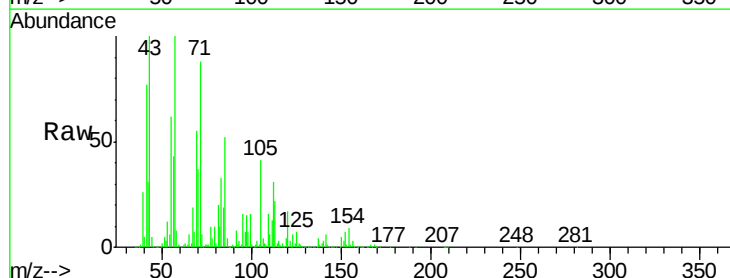
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

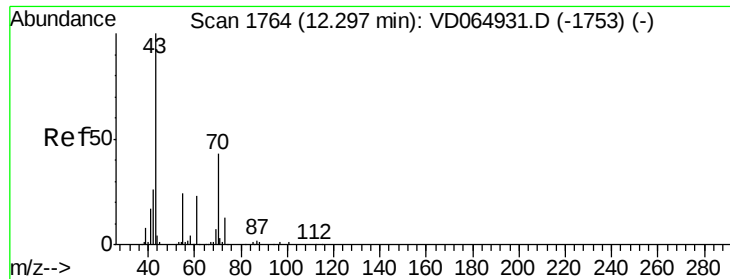
Tot Ion:106 Resp: 333610
Ion Ratio Lower Upper
106 100
91 0.0 159.0 238.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion:152 Resp: 1813375
Ion Ratio Lower Upper
152 100
115 0.0 28.1 84.4#
150 44.6 0.0 350.4





#74

N-amvl acetate

Concen: 570.571 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(30-32)

Tot Ion: 43 Resp:15824399

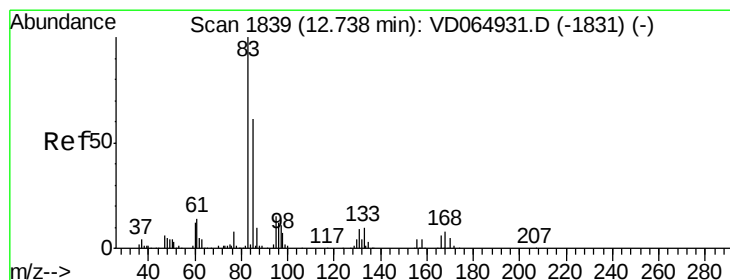
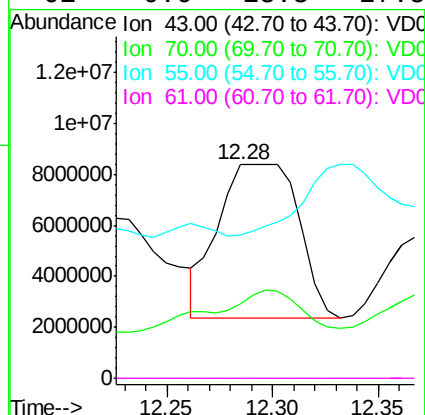
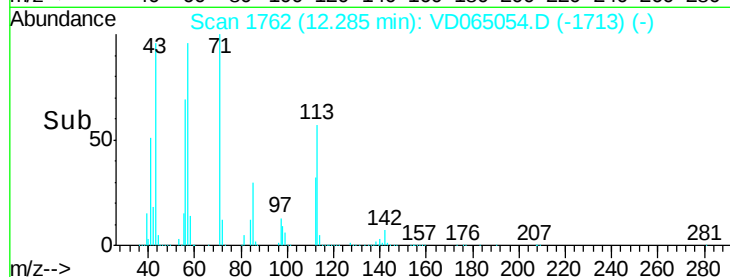
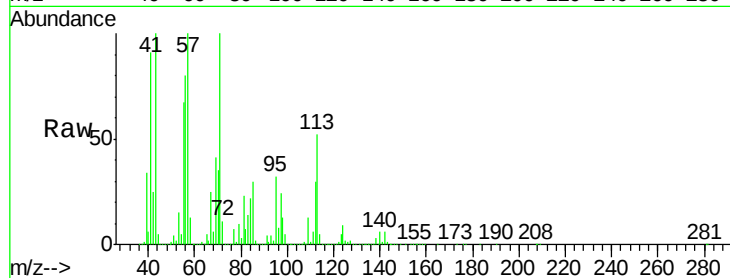
Ion Ratio Lower Upper

43 100

70 31.5 32.6 49.0#

55 0.0 19.9 29.9#

61 0.0 18.3 27.5#



#75

1,1,2,2-Tetrachloroethane

Concen: 74.234 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

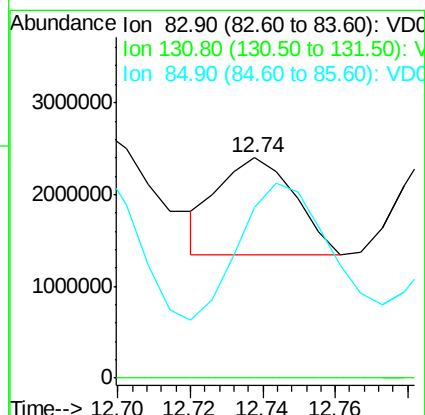
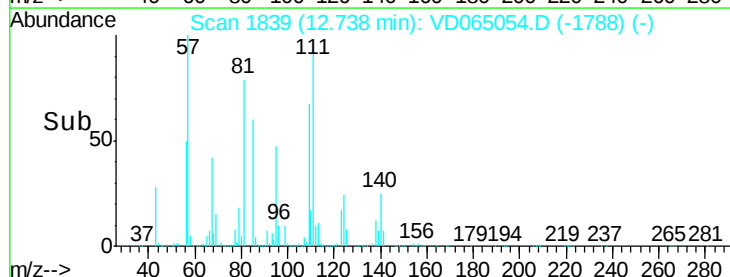
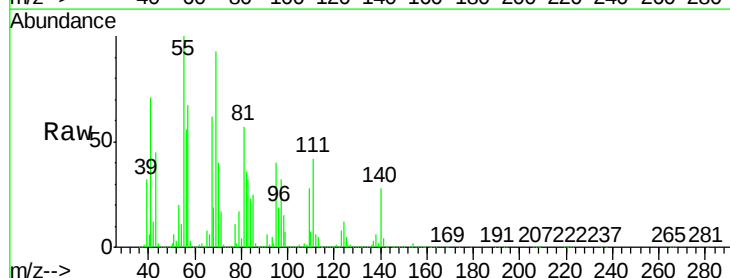
Tgt Ion: 83 Resp: 1546377

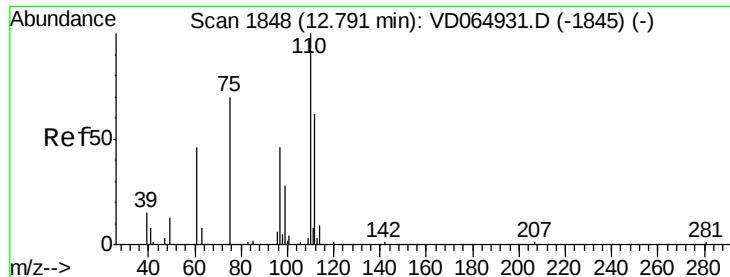
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 221.9 31.6 94.7#





#76

1,2,3-Trichloropropane

Concen: 73.369 ug/l

RT: 12.84 min Scan# 1857

Delta R.T. 0.05 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

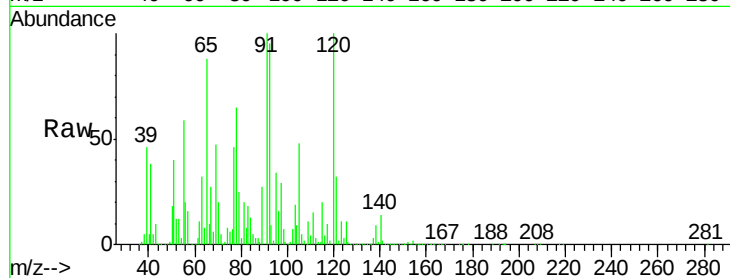
PD-3-(30-32)

Tot Ion: 75 Resp: 1104295

Ion Ratio Lower Upper

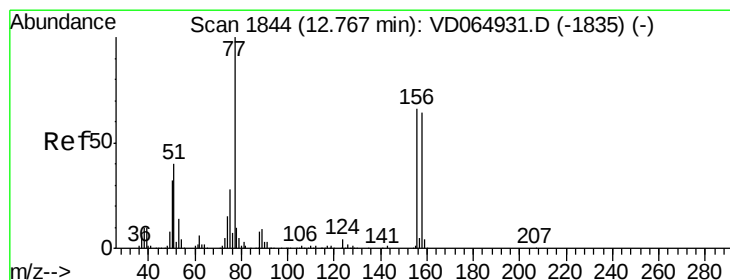
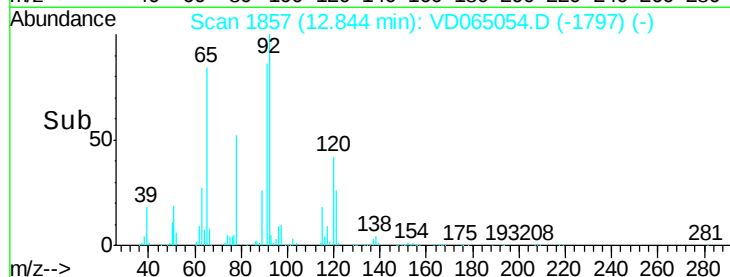
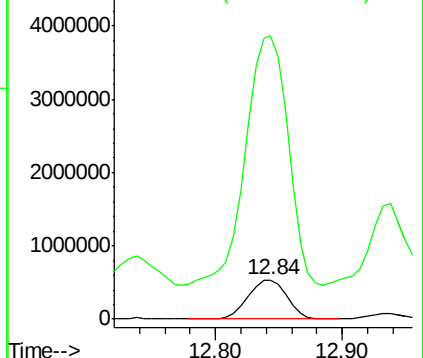
75 100

77 713.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#77

Bromobenzene

Concen: 1.972 ug/l

RT: 12.75 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

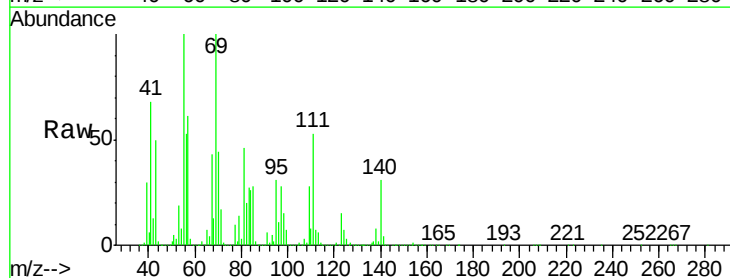
Tgt Ion: 156 Resp: 59811

Ion Ratio Lower Upper

156 100

77 1288.4 84.2 252.5#

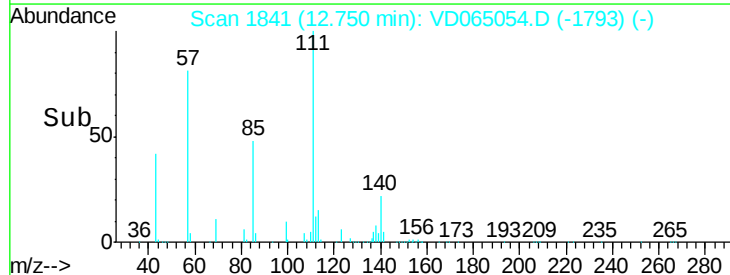
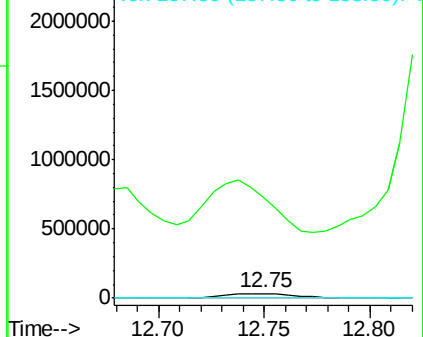
158 1.1 48.1 144.4#

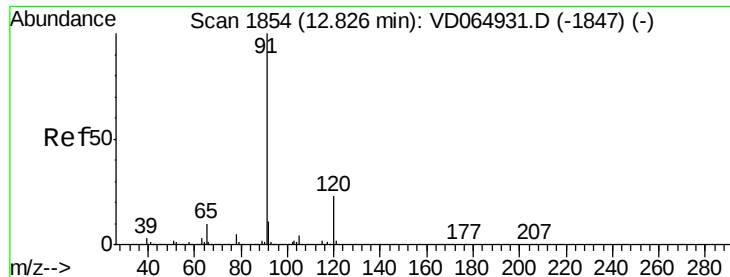


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 3.145 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.09 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

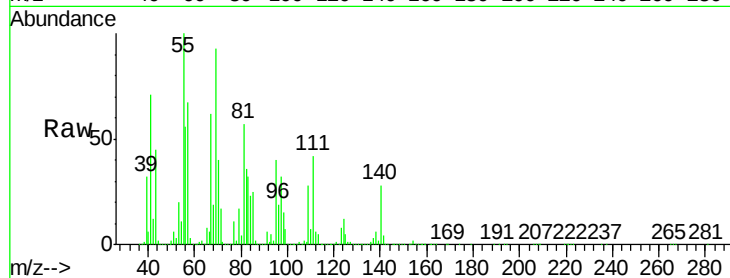
PD-3-(30-32)

Tot Ion: 91 Resp: 463501

Ion Ratio Lower Upper

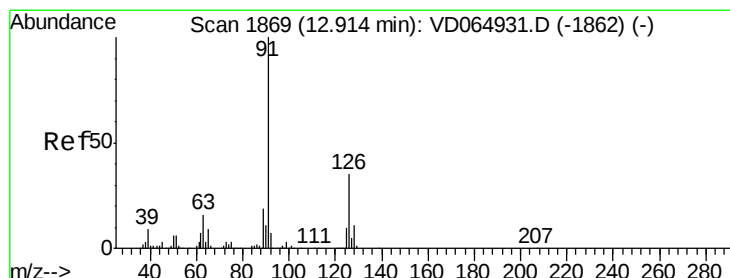
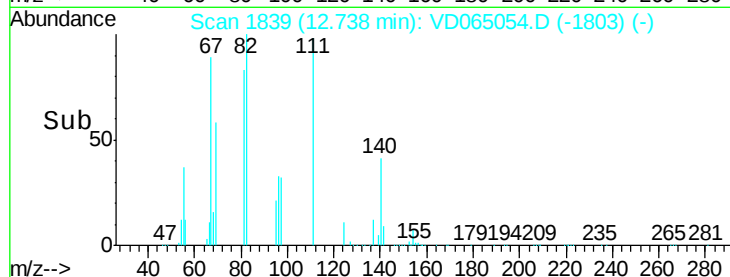
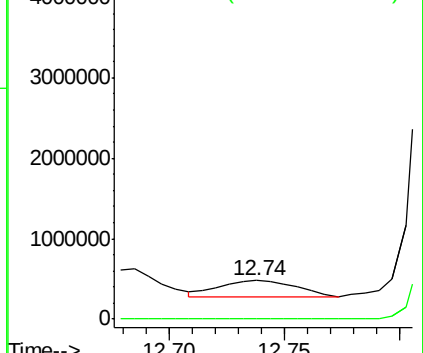
91 100

120 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC



#79

2-Chlorotoluene

Concen: 9.748 ug/l

RT: 12.68 min Scan# 1830

Delta R.T. -0.23 min

Lab File: VD065054.D

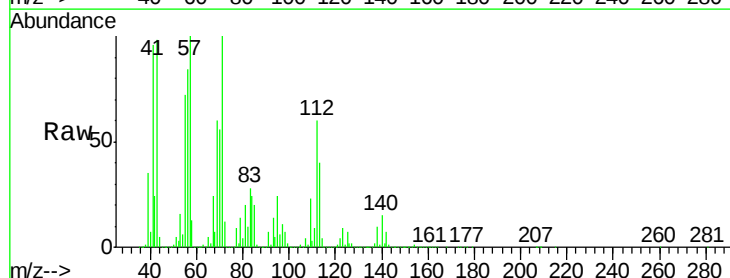
Acq: 03 Feb 2020 15:13

Tgt Ion: 91 Resp: 788197

Ion Ratio Lower Upper

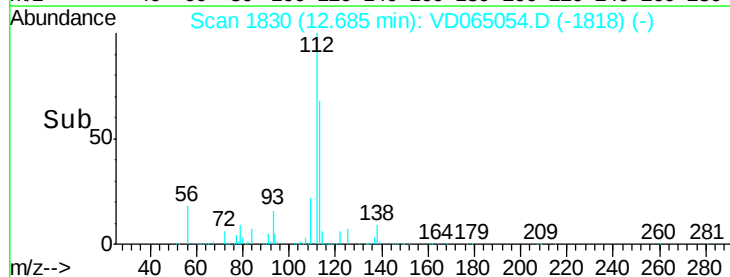
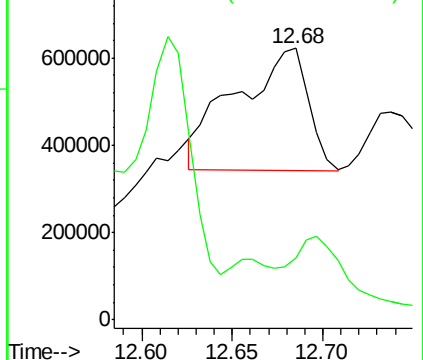
91 100

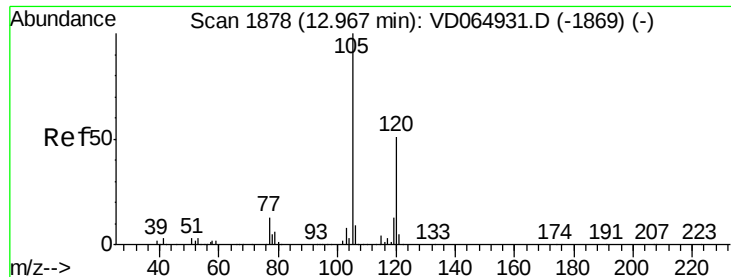
126 42.8 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

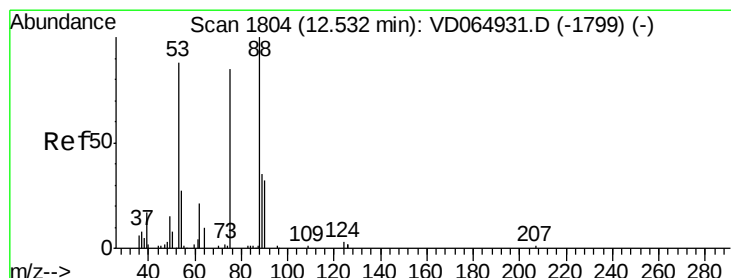
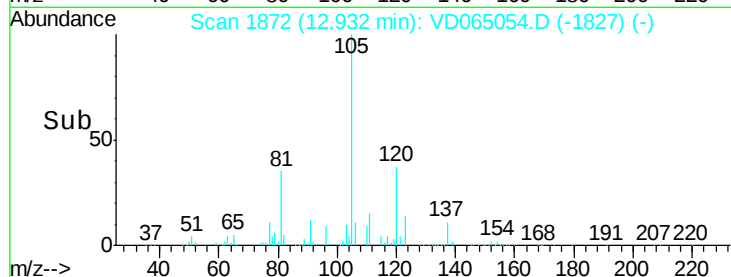
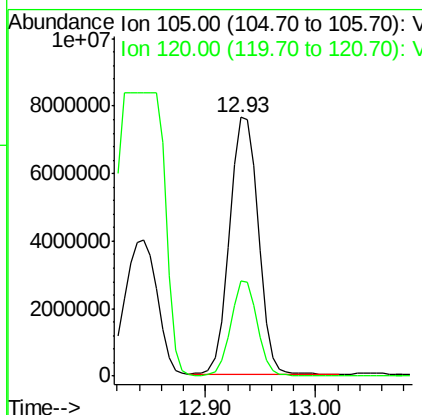
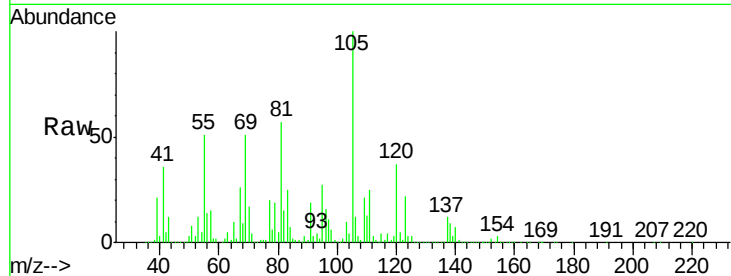




#80
 1,3,5-Trimethylbenzene
 Concen: 137.800 ug/l
 RT: 12.93 min Scan# 1872
 Delta R.T. -0.04 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

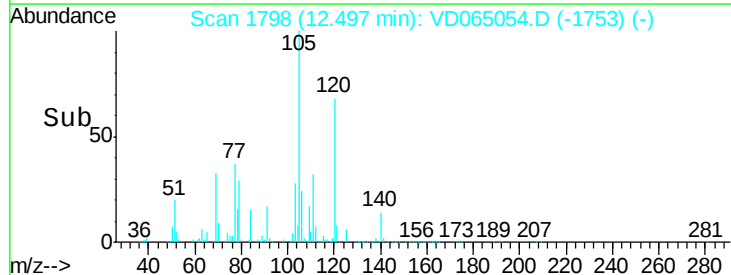
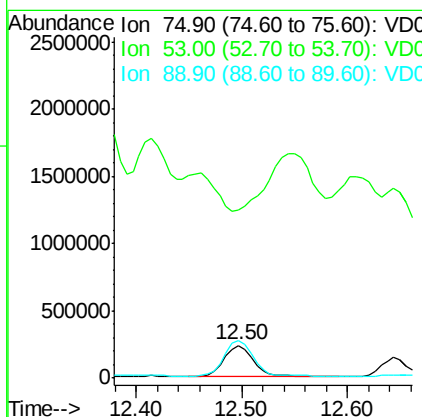
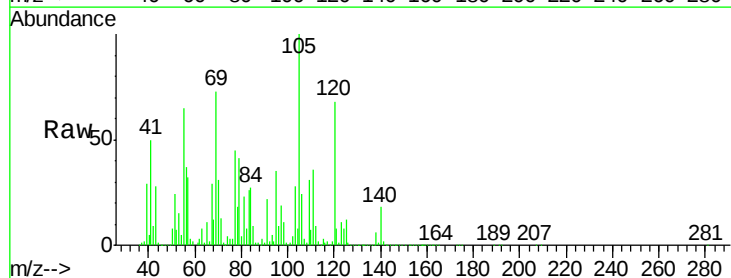
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(30-32)

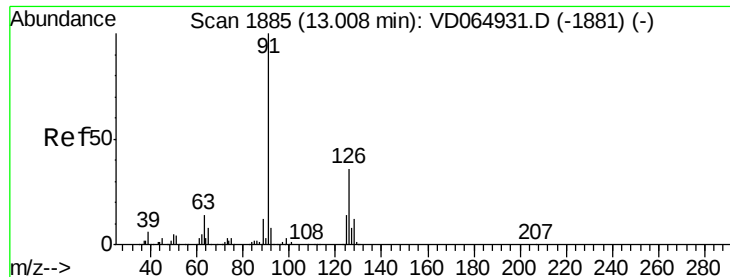
Tot Ion:105 Resp:13996360
 Ion Ratio Lower Upper
 105 100
 120 34.1 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.008 ug/l
 RT: 12.50 min Scan# 1798
 Delta R.T. -0.04 min
 Lab File: VD065054.D
 Acq: 03 Feb 2020 15:13

Tgt Ion: 75 Resp: 451187
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 120.2 36.2 54.4#

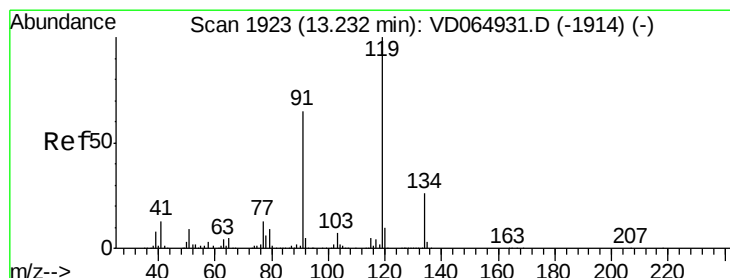
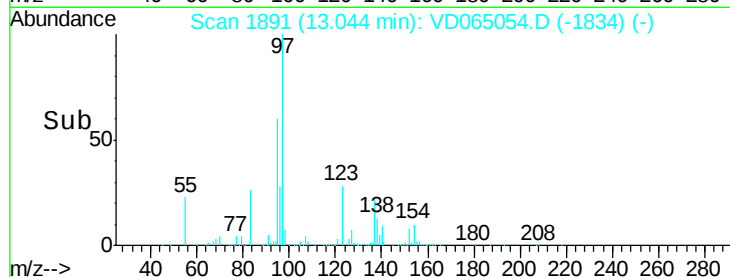
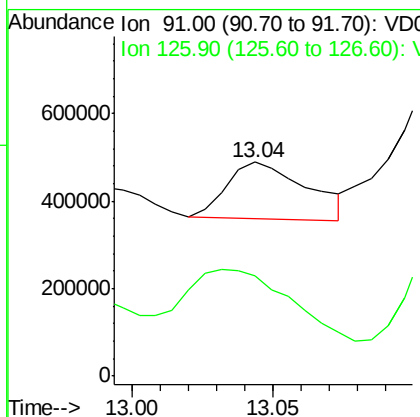
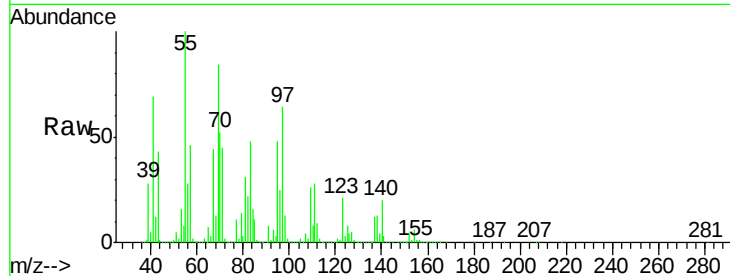




#82
4-Chlorotoluene
Concen: 2.965 ug/l
RT: 13.04 min Scan# 1891
Delta R.T. 0.04 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

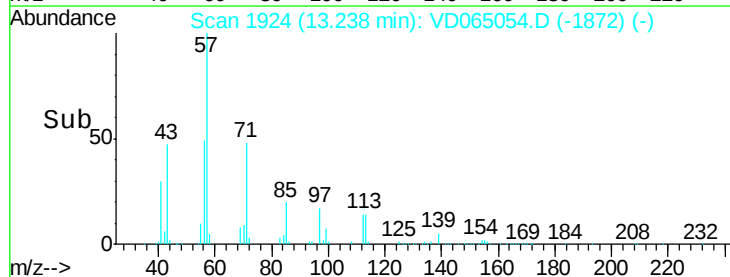
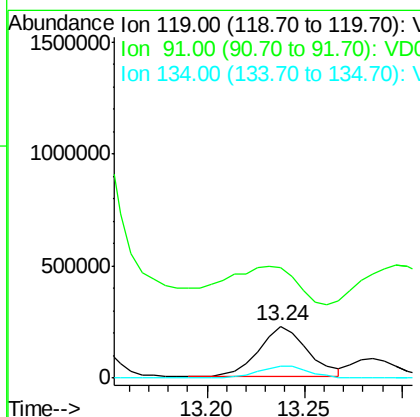
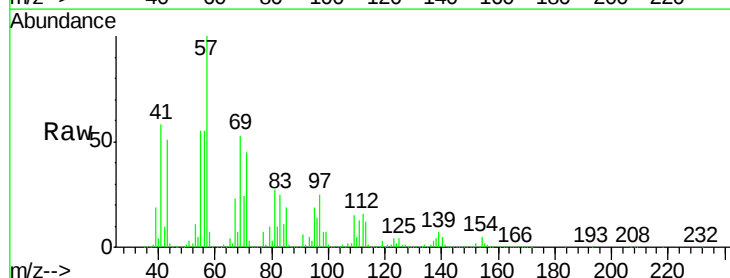
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

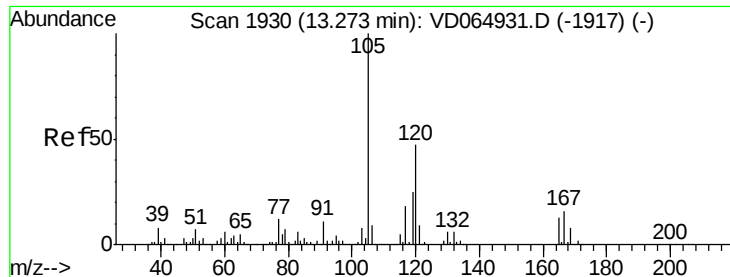
Tot Ion: 91 Resp: 254220
Ion Ratio Lower Upper
91 100
126 162.8 18.0 54.0#



#83
tert-Butylbenzene
Concen: 4.446 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 119 Resp: 383235
Ion Ratio Lower Upper
119 100
91 0.0 32.0 96.0#
134 0.0 13.9 41.6#





#84

1,2,4-Trimethylbenzene

Concen: 10.622 ug/l

RT: 13.28 min Scan# 1932

Delta R.T. 0.01 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

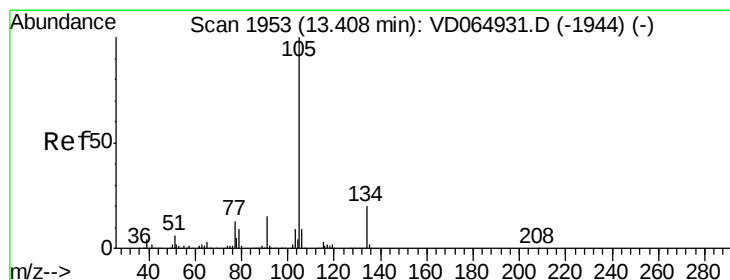
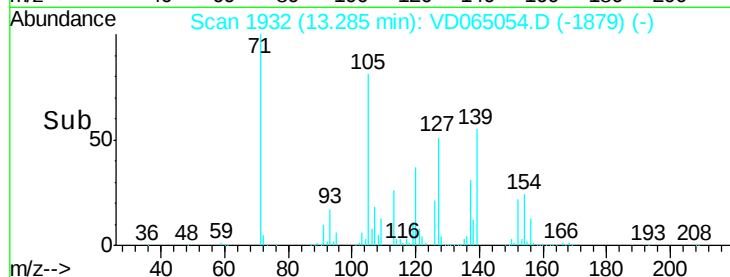
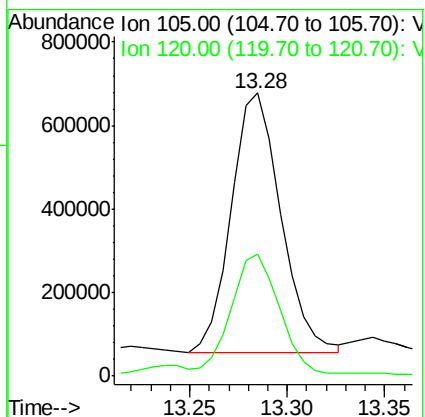
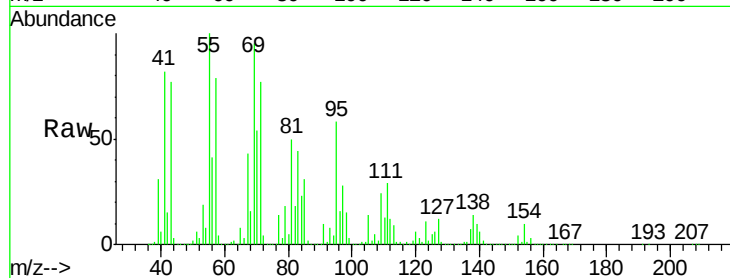
PD-3-(30-32)

Tot Ion:105 Resp: 1092946

Ion Ratio Lower Upper

105 100

120 44.2 23.1 69.3



#85

sec-Butylbenzene

Concen: 171.274 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065054.D

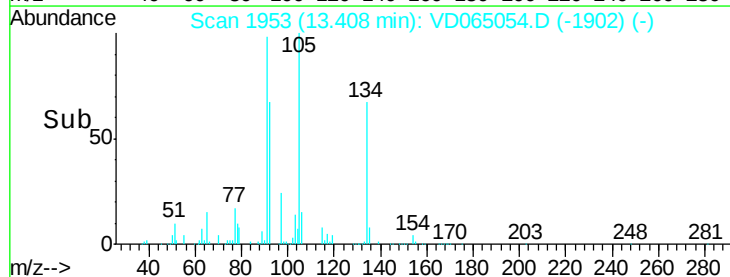
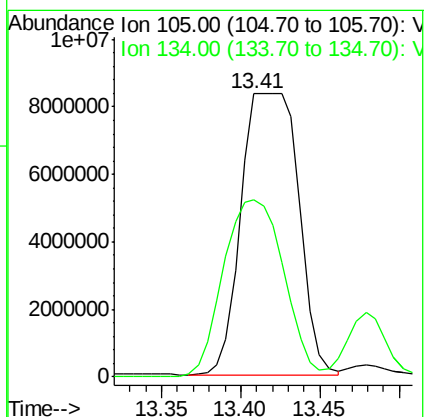
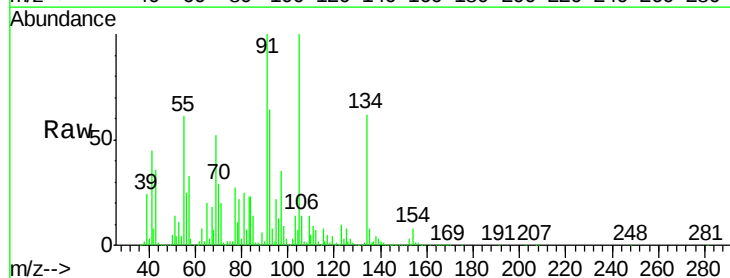
Acq: 03 Feb 2020 15:13

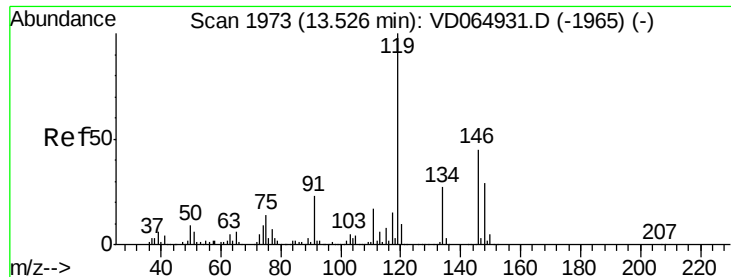
Tgt Ion:105 Resp:20902955

Ion Ratio Lower Upper

105 100

134 66.3 10.4 31.4#

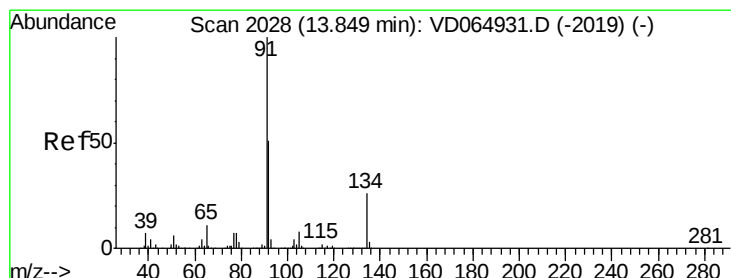
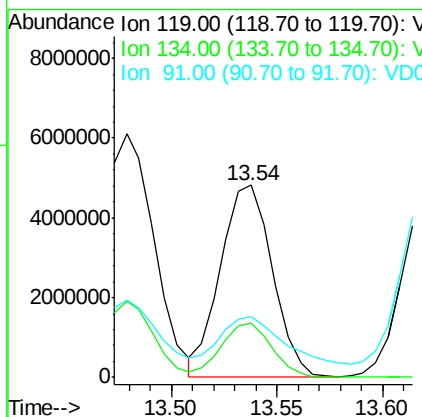
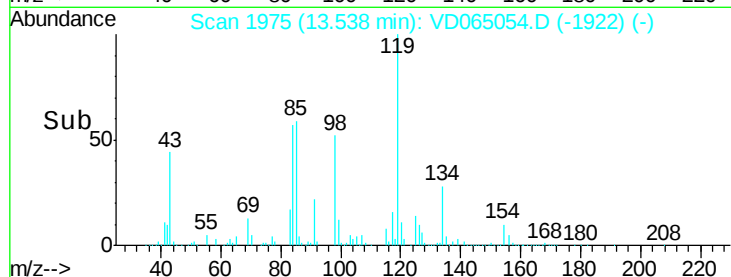
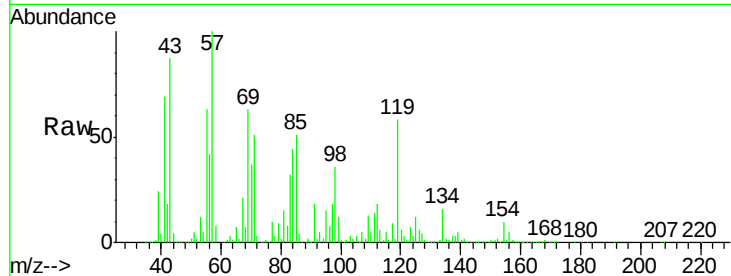




#86
p-Isopropyltoluene
Concen: 71.521 ug/l
RT: 13.54 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

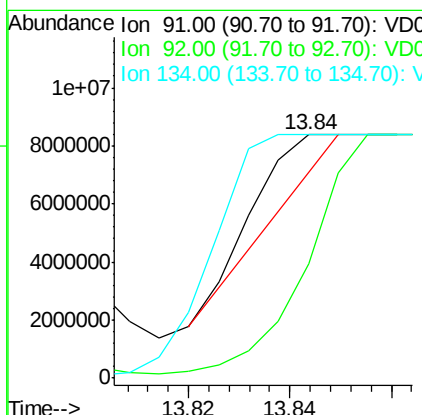
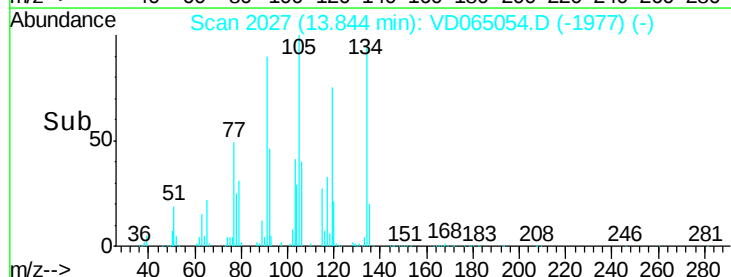
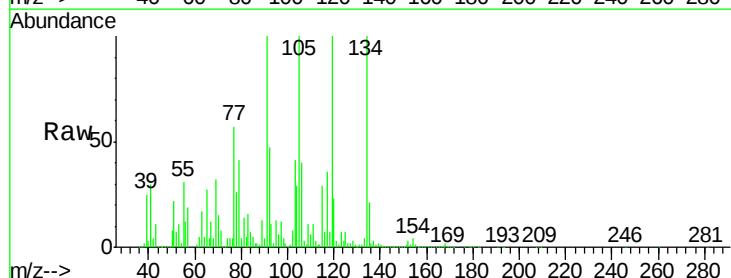
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

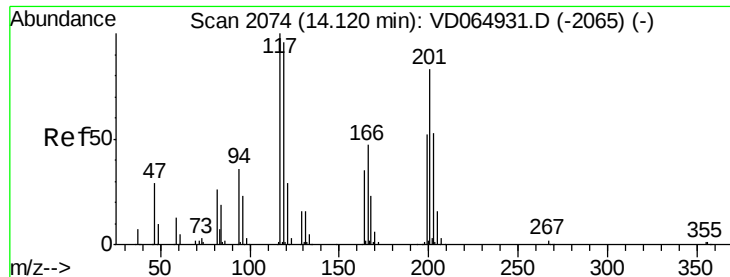
Tot Ion:119 Resp: 8167954
Ion Ratio Lower Upper
119 100
134 27.5 13.3 39.9
91 28.3 11.4 34.2



#89
n-Butylbenzene
Concen: 27.759 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 91 Resp: 2893132
Ion Ratio Lower Upper
91 100
92 708.2 26.4 79.0#
134 129.9 13.3 39.9#

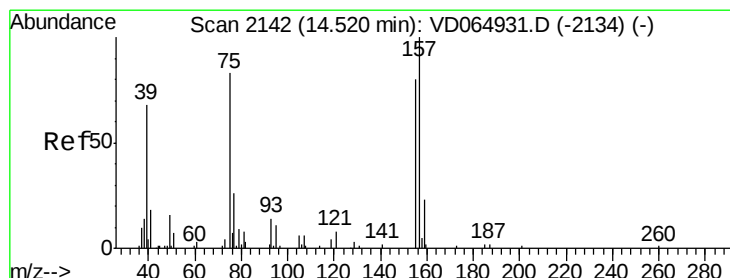
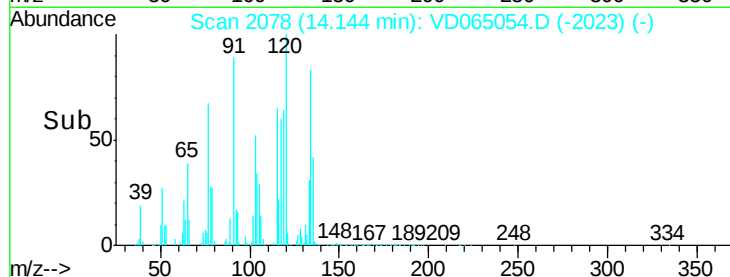
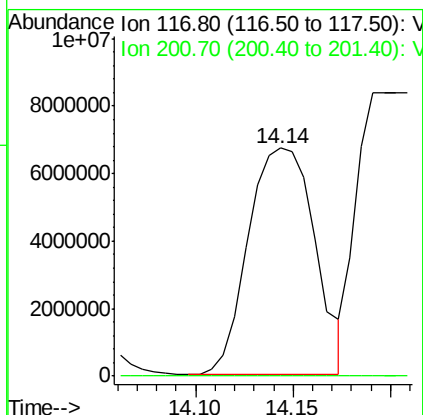
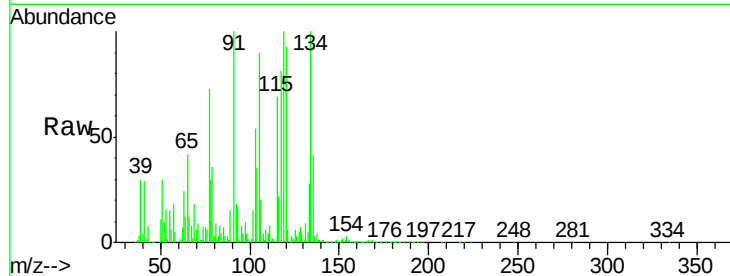




#90
Hexachloroethane
Concen: 721.278 ug/l
RT: 14.14 min Scan# 2078
Delta R.T. 0.02 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

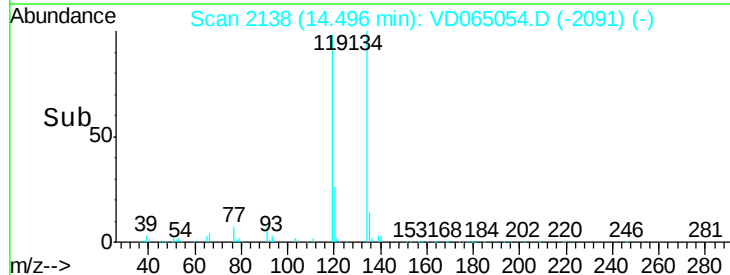
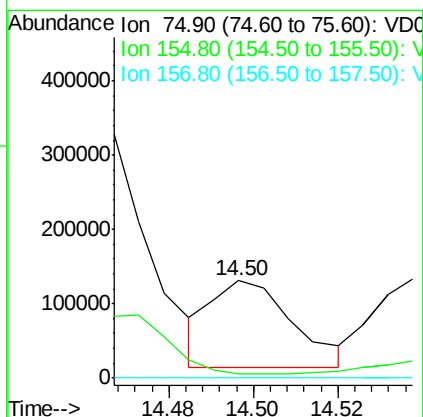
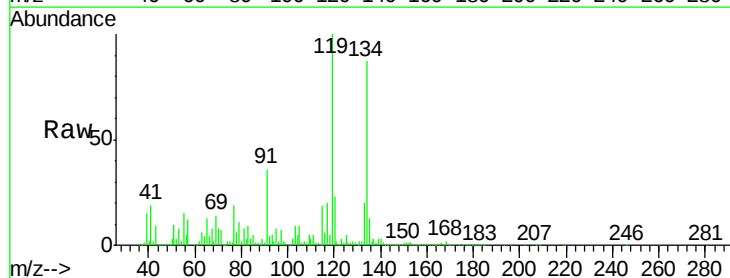
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(30-32)

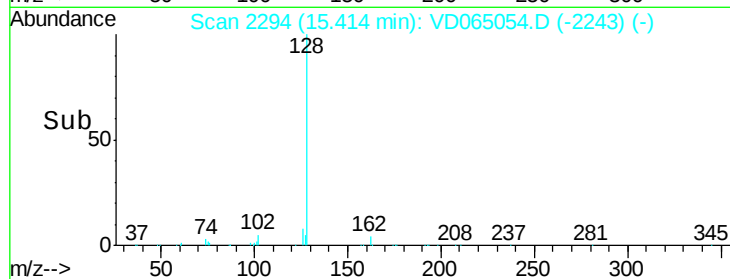
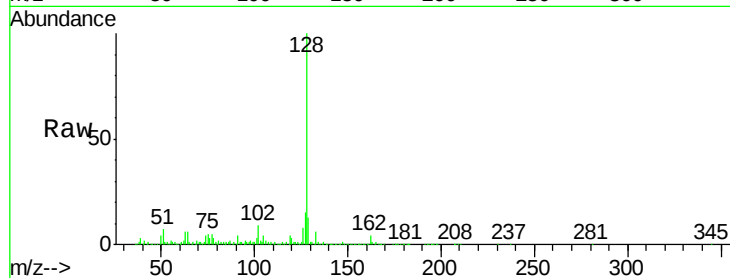
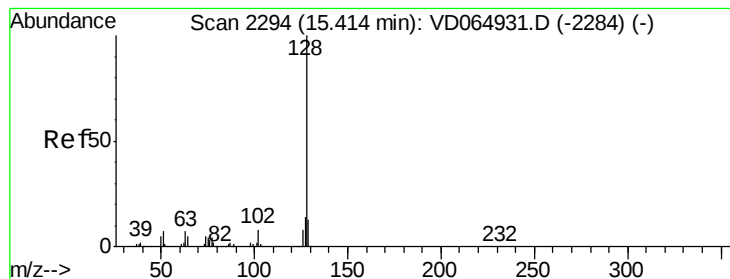
Tot Ion:117 Resp:15885017
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.251 ug/l
RT: 14.50 min Scan# 2138
Delta R.T. -0.02 min
Lab File: VD065054.D
Acq: 03 Feb 2020 15:13

Tgt Ion: 75 Resp: 157517
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.7#
157 0.3 58.9 176.6#





#95

Naphthalene

Concen: 201.871 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065054.D

Acq: 03 Feb 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(30-32)

Tot Ion:128 Resp:11133748

Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	10.0	9.3	13.9

