

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065055.D
 Acq On : 03 Feb 2020 15:42
 Operator : VA/SY
 Sample : L1346-05
 Misc : 8.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(35-37)

Quant Time: Feb 03 15:59:13 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	7.98	168	865623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1301536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1189407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	724409	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	342206	41.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.42%	
35) Dibromofluoromethane	7.92	113	366646	44.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.66%	
50) Toluene-d8	10.34	98	3941953	124.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	249.74%	
62) 4-Bromofluorobenzene	12.64	95	1261104	130.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	261.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.01	59	5026	10.954	ug/l #	1
13) Acrolein	4.12	56	314735	547.169	ug/l #	69
15) Acrylonitrile	5.49	53	1192772	719.691	ug/l #	41
16) Acetone	4.13	43	828248	517.252	ug/l #	54
17) Carbon Disulfide	4.40	76	45611	1.839	ug/l #	92
20) Methylene Chloride	4.96	84	23602	Below Cal	#	1
23) Vinyl Acetate	6.34	43	69149	4.931	ug/l #	76
24) 1,1-Dichloroethane	6.34	63	21882	1.488	ug/l #	84
25) 2-Butanone	7.20	43	532758	237.496	ug/l #	50
26) 2,2-Dichloropropane	7.03	77	91119	6.831	ug/l #	53
29) Tetrahydrofuran	7.56	42	80604	58.237	ug/l #	34
30) Chloroform	7.67	83	4276306	281.318	ug/l #	18
31) Cyclohexane	7.97	56	17265992	1193.556	ug/l #	53
37) Ethyl Acetate	7.20	43	532758	102.768	ug/l #	72
38) Carbon Tetrachloride	7.98	117	77527	5.844	ug/l #	18
39) Methylcyclohexane	9.50	83	548754	37.399	ug/l #	54
41) Methacrylonitrile	7.57	41	944715	338.287	ug/l #	57
42) 1,2-Dichloroethane	8.47	62	72868	7.077	ug/l #	1
43) Isopropyl Acetate	8.46	43	9219036	936.196	ug/l #	52
45) 1,2-Dichloropropane	9.37	63	464971	55.489	ug/l #	1
46) Dibromomethane	9.50	93	6126	1.339	ug/l #	1
47) Bromodichloromethane	9.65	83	4664903	391.868	ug/l #	26
48) Methyl methacrylate	9.41	41	5136078	1133.391	ug/l #	42
49) 1,4-Dioxane	9.42	88	443	8.349	ug/l #	1
51) 4-Methyl-2-Pentanone	10.28	43	1499633	304.355	ug/l #	74
52) Toluene	10.41	92	31340	1.406	ug/l #	1
55) 1,1,2-Trichloroethane	10.78	97	9901915	1606.833	ug/l #	23
56) Ethyl methacrylate	10.69	69	2586240	350.957	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.93	63	98732	40.329	ug/l #	46
59) 2-Hexanone	10.96	43	8836636	2600.026	ug/l #	31
60) Dibromochloromethane	10.87	129	9346	1.135	ug/l	89
61) 1,2-Dibromoethane	11.22	107	65454	11.031	ug/l #	1
65) Chlorobenzene	11.58	112	56215	2.328	ug/l #	42
67) Ethyl Benzene	11.75	91	1106339	25.805	ug/l	98

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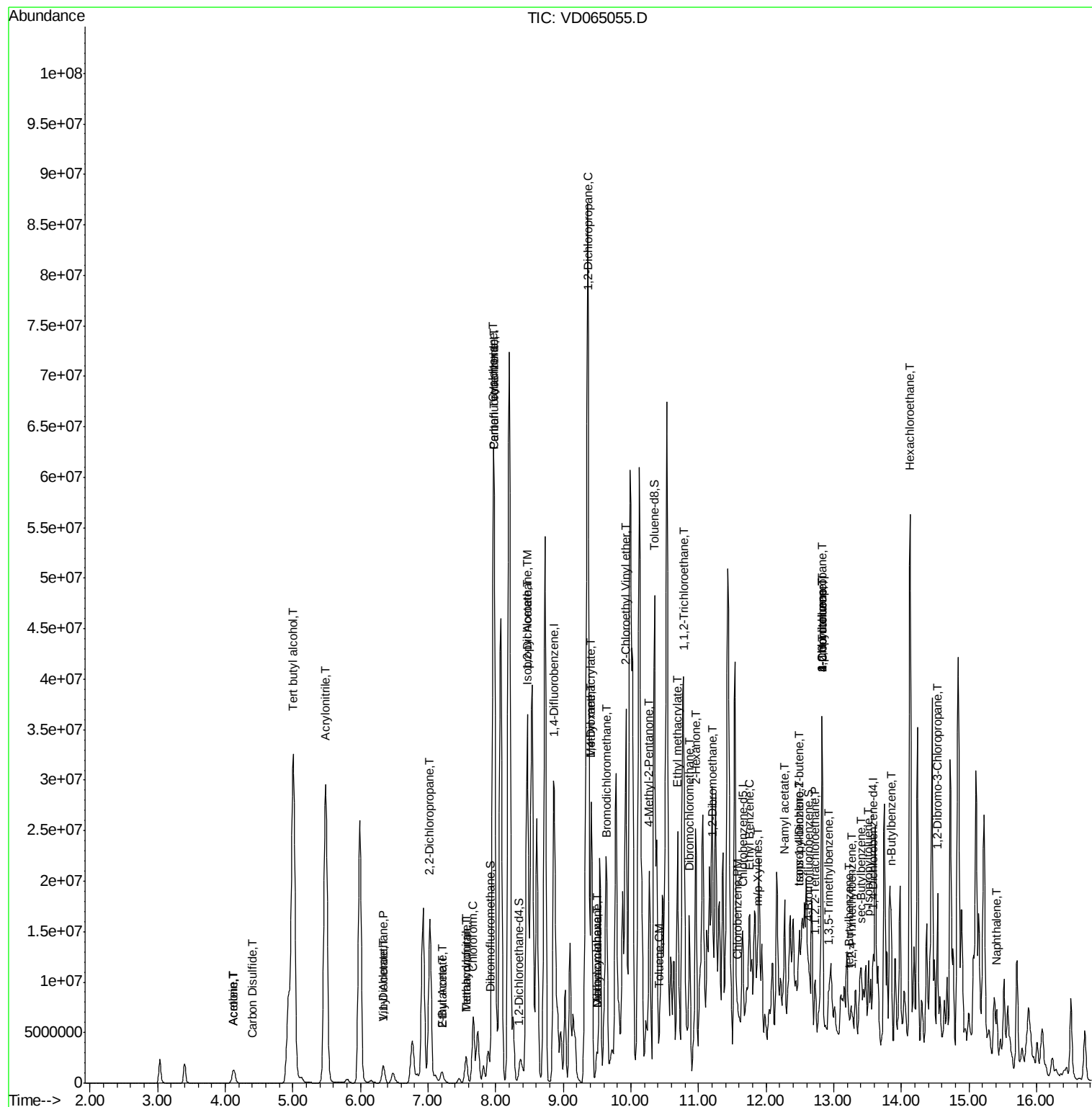
68) m/p-Xylenes	11.87	106	91214	5.526	ug/l	79
73) Isopropylbenzene	12.48	105	5674554	114.608	ug/l	99
74) N-amyl acetate	12.28	43	2957679	266.955	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.72	83	215372	25.881	ug/l #	52
76) 1,2,3-Trichloropropane	12.83	75	188209	31.302	ug/l #	100
78) n-propylbenzene	12.82	91	19111236	324.566	ug/l #	69
79) 2-Chlorotoluene	12.82	91	19111236	591.644	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.93	105	2567957	63.288	ug/l	70
81) trans-1,4-Dichloro-2-buten	12.48	75	61901	21.982	ug/l #	1
82) 4-Chlorotoluene	12.82	91	19111236	557.885	ug/l #	39
83) tert-Butylbenzene	13.23	119	43197	1.255	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.28	105	947936	23.062	ug/l	100
85) sec-Butylbenzene	13.41	105	3724751	76.398	ug/l #	51
86) p-Isopropyltoluene	13.53	119	876453	19.211	ug/l	96
89) n-Butylbenzene	13.86	91	7800250	187.348	ug/l #	79
90) Hexachloroethane	14.13	117	3431438	390.027	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.54	75	23340	17.526	ug/l #	14
95) Naphthalene	15.41	128	3218387	146.075	ug/l #	96

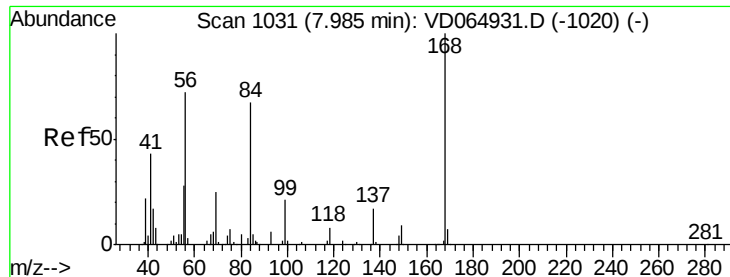
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

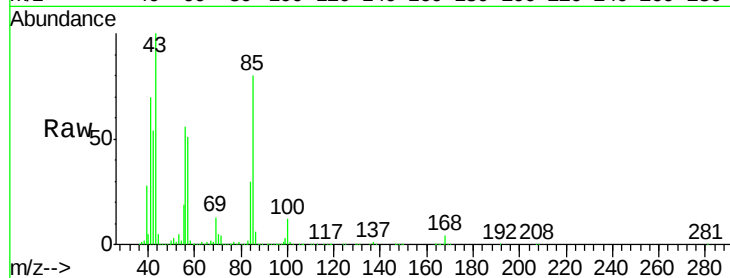
PD-3-(35-37)

Tot Ion:168 Resp: 865623

Ion Ratio Lower Upper

168 100

99 58.5 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

300000

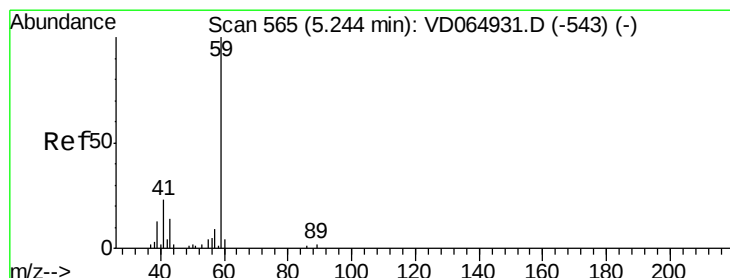
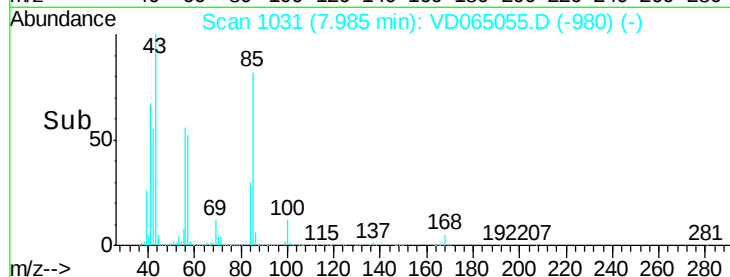
200000

100000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 10.954 ug/l

RT: 5.01 min Scan# 526

Delta R.T. -0.23 min

Lab File: VD065055.D

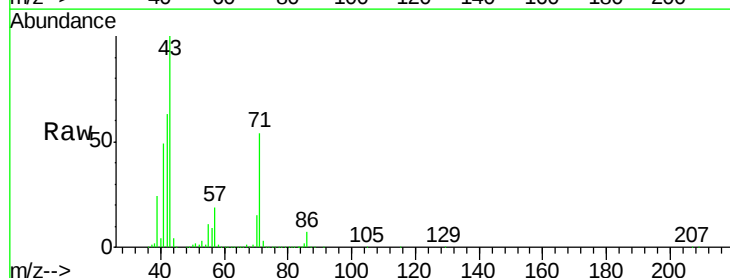
Acq: 03 Feb 2020 15:42

Tgt Ion: 59 Resp: 5026

Ion Ratio Lower Upper

59 100

57 114916.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

2000000

1500000

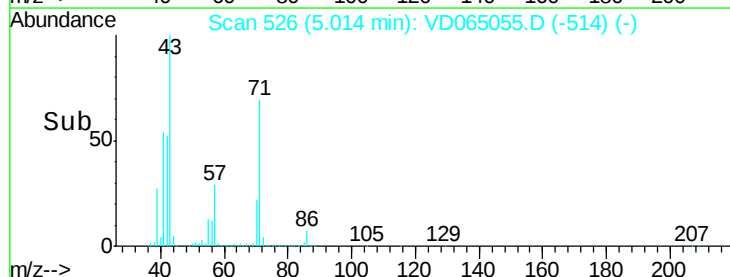
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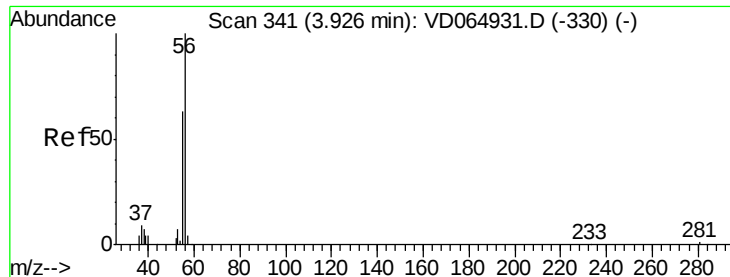
500000

0

4.90 4.95 5.00 5.05 5.10

Time-->





#13

Acrolein

Concen: 547.169 ug/l

RT: 4.12 min Scan# 374

Delta R.T. 0.19 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

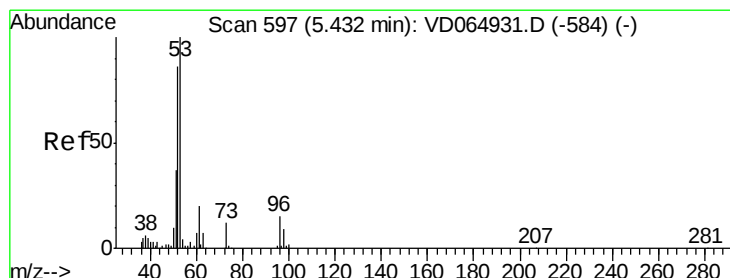
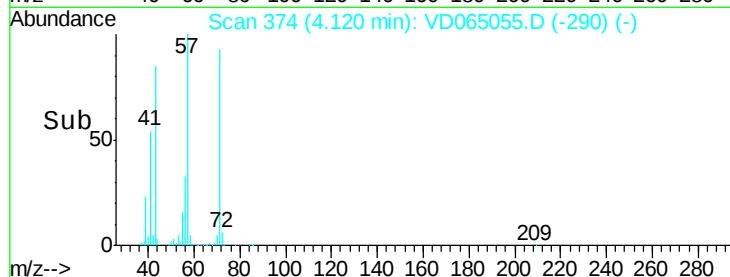
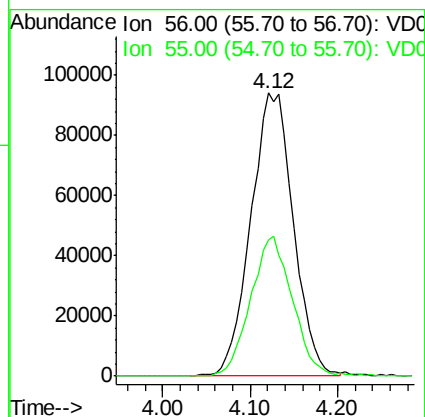
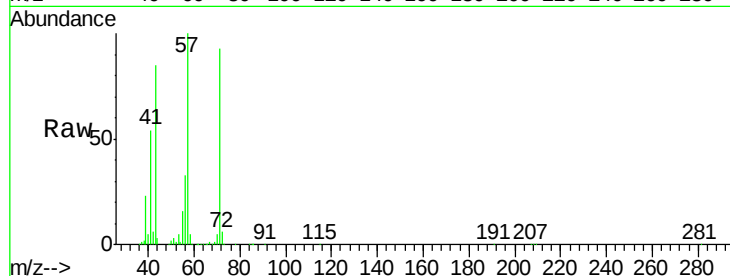
PD-3-(35-37)

Tot Ion: 56 Resp: 314735

Ion Ratio Lower Upper

56 100

55 48.0 59.7 89.5#



#15

Acrylonitrile

Concen: 719.691 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.05 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

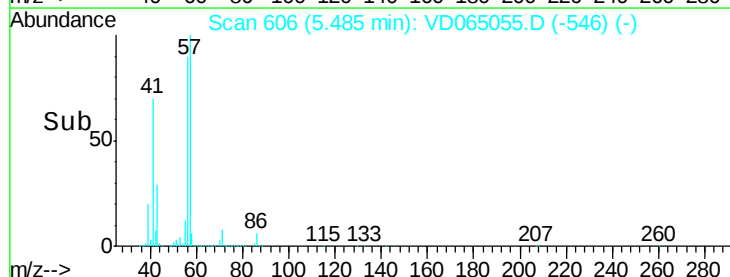
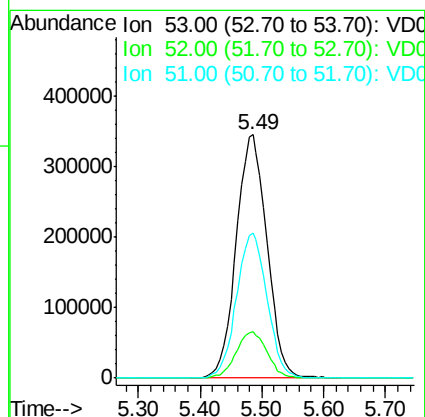
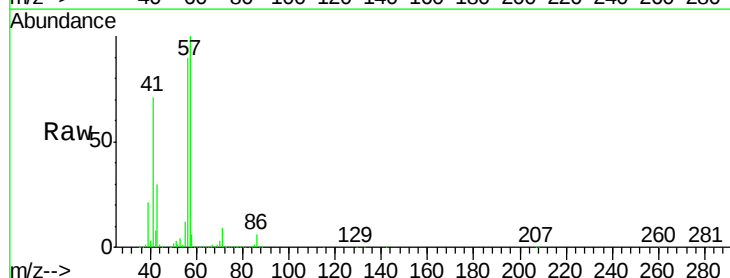
Tgt Ion: 53 Resp: 1192772

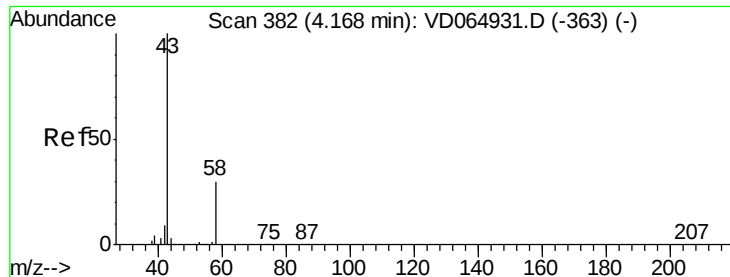
Ion Ratio Lower Upper

53 100

52 19.2 66.7 100.1#

51 59.5 31.1 46.7#





#16

Acetone

Concen: 517.252 ug/l

RT: 4.13 min Scan# 375

Delta R.T. -0.04 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

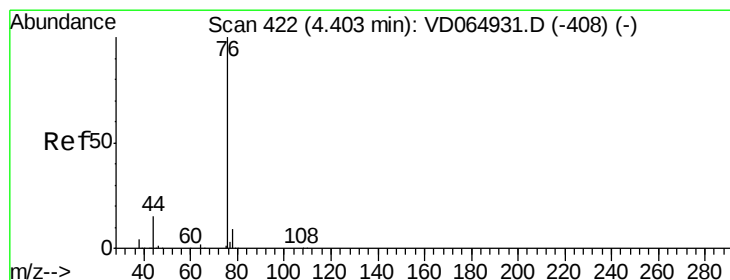
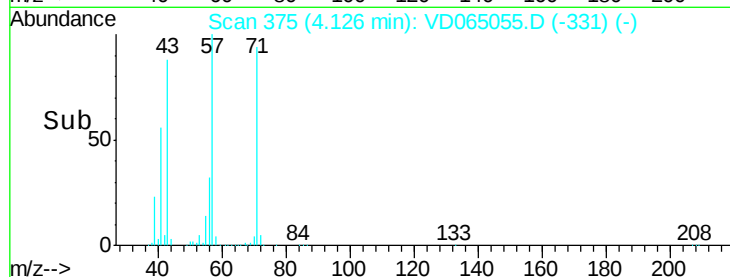
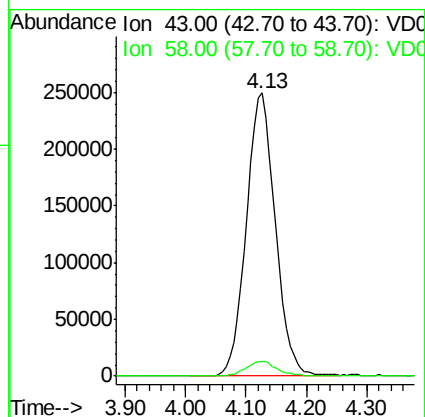
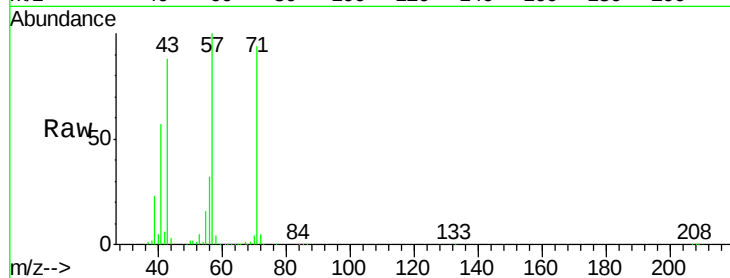
PD-3-(35-37)

Tot Ion: 43 Resp: 828248

Ion Ratio Lower Upper

43 100

58 5.0 23.8 35.8#



#17

Carbon Disulfide

Concen: 1.839 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065055.D

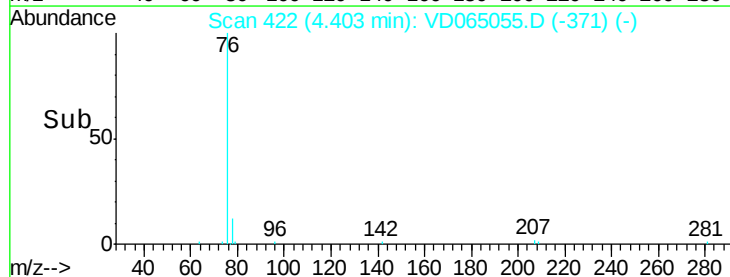
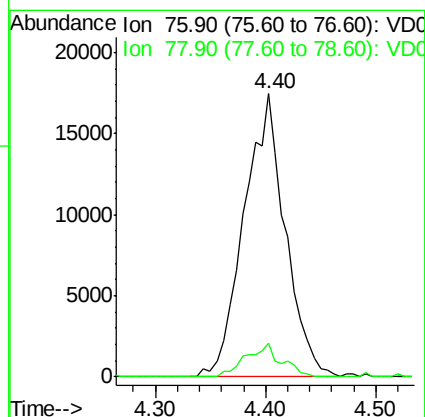
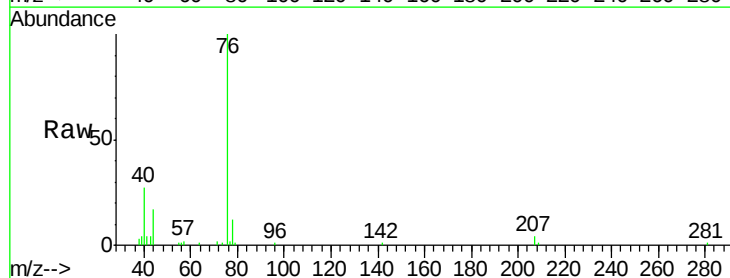
Acq: 03 Feb 2020 15:42

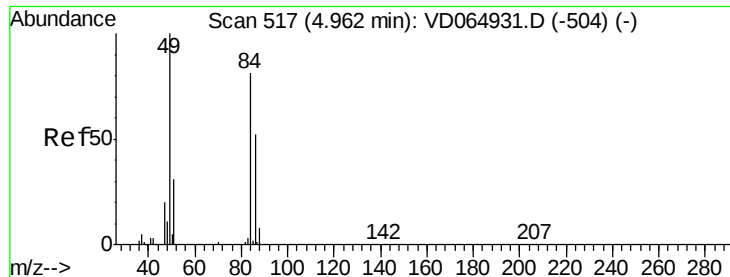
Tgt Ion: 76 Resp: 45611

Ion Ratio Lower Upper

76 100

78 11.8 7.1 10.7#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

Tot Ion: 84 Resp: 23602

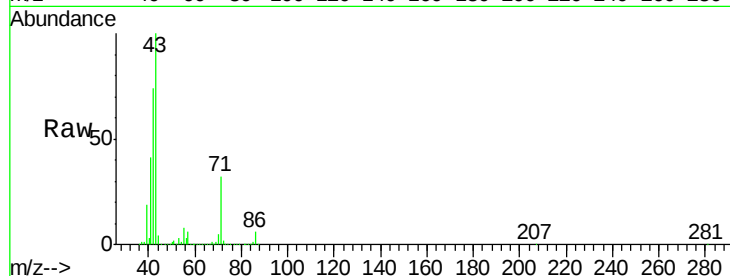
Ion Ratio Lower Upper

84 100

49 139.2 98.4 147.6

51 436.0 30.8 46.2#

86 1532.3 51.0 76.6#

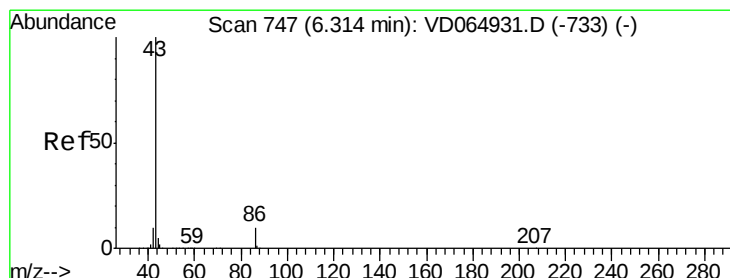
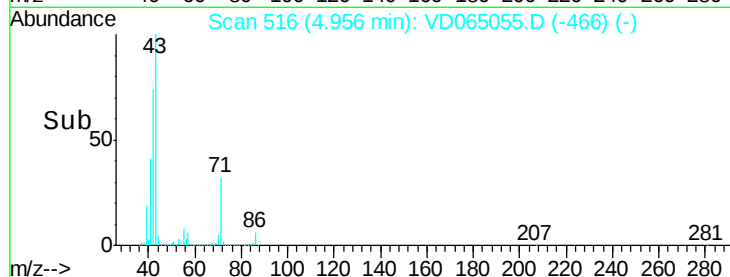
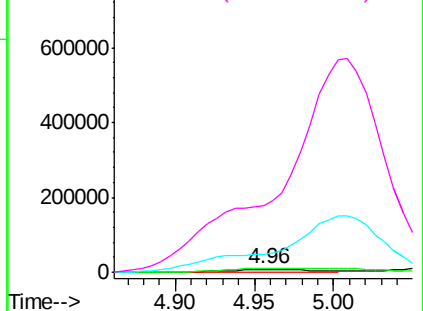


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#23

Vinyl Acetate

Concen: 4.931 ug/l

RT: 6.34 min Scan# 752

Delta R.T. 0.03 min

Lab File: VD065055.D

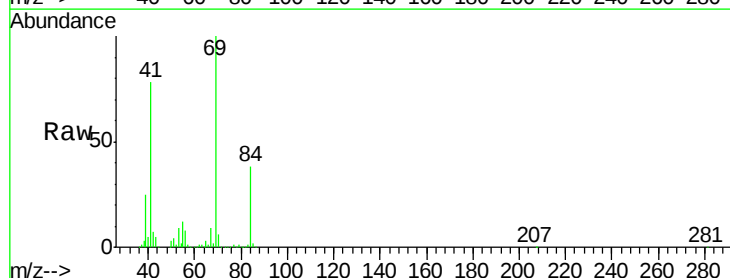
Acq: 03 Feb 2020 15:42

Tgt Ion: 43 Resp: 69149

Ion Ratio Lower Upper

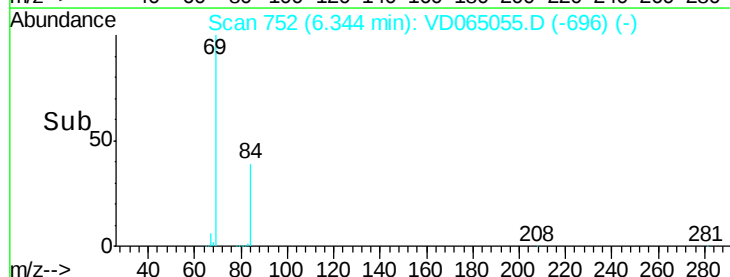
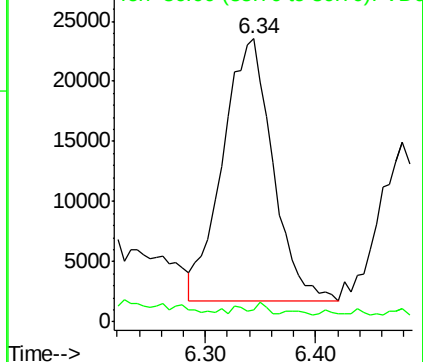
43 100

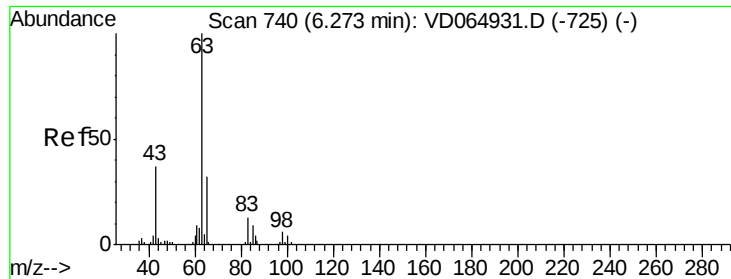
86 1.2 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 1.488 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.06 min

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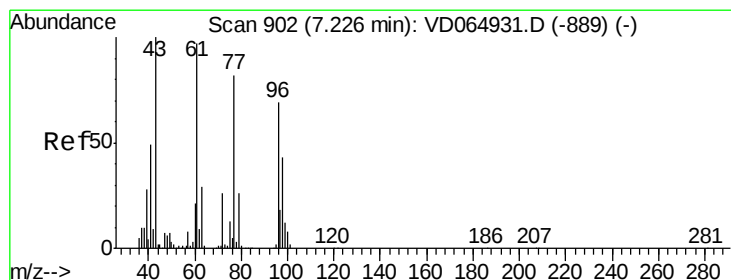
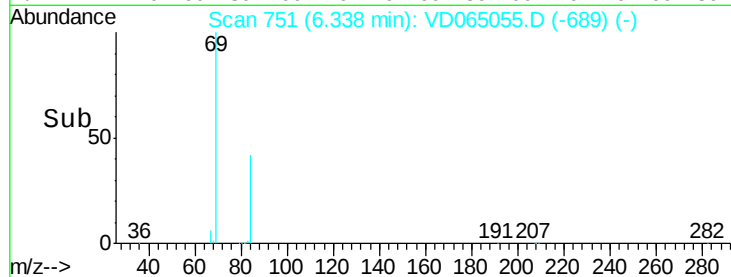
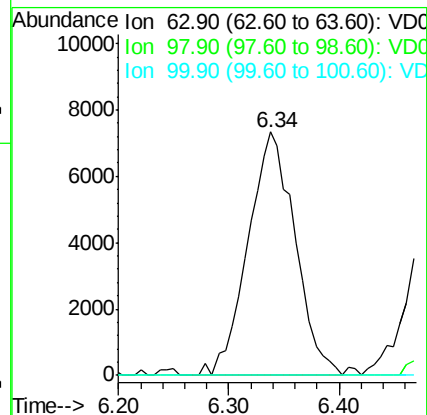
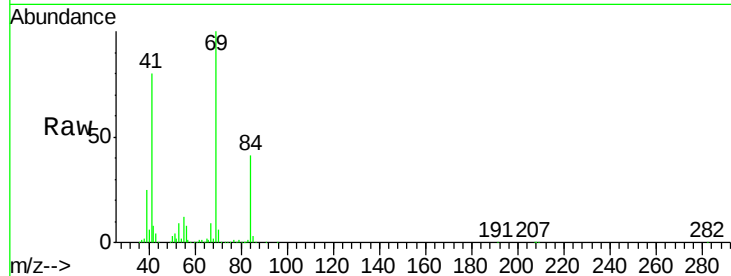
Tot Ion: 63 Resp: 21882

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.3#

100 0.0 2.3 6.8#



#25

2-Butanone

Concen: 237.496 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.02 min

Lab File: VD065055.D

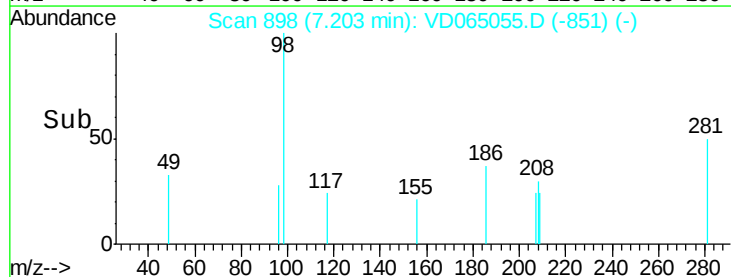
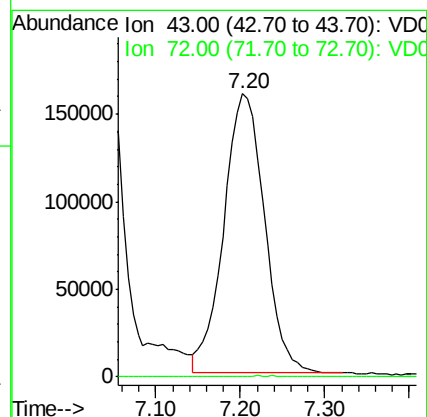
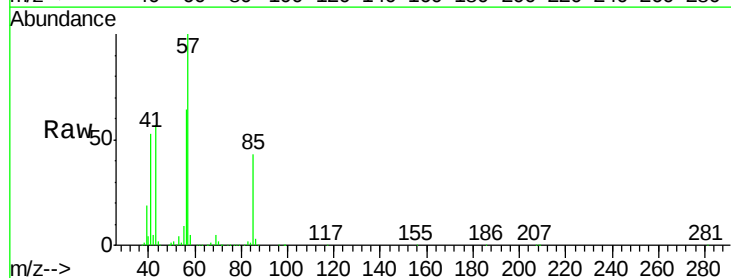
Acq: 03 Feb 2020 15:42

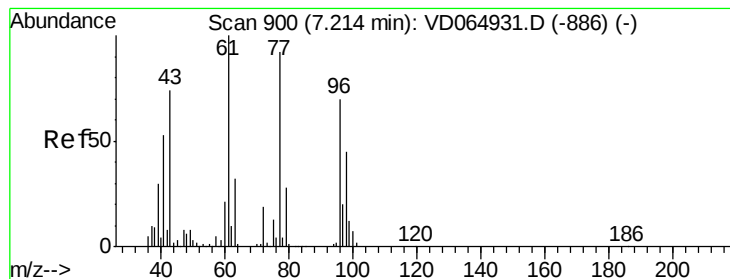
Tgt Ion: 43 Resp: 532758

Ion Ratio Lower Upper

43 100

72 0.2 20.6 31.0#





#26

2,2-Dichloropropane

Concen: 6.831 ug/l

RT: 7.03 min Scan# 868

Delta R.T. -0.19 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

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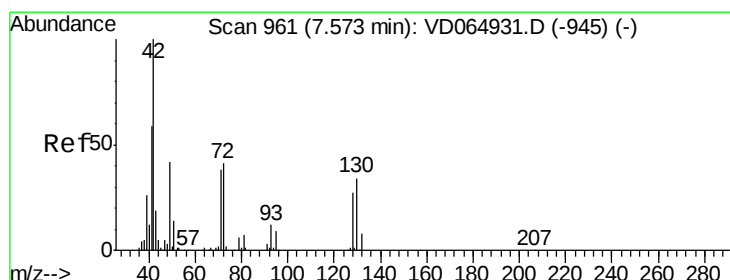
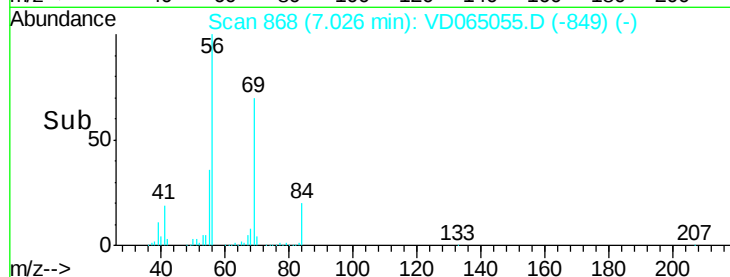
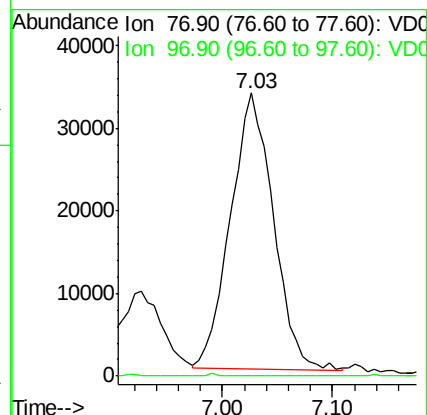
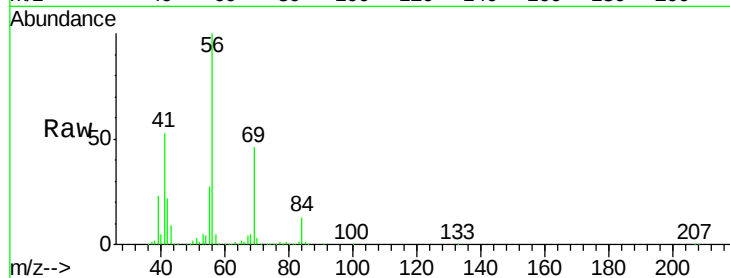
PD-3-(35-37)

Tot Ion: 77 Resp: 91119

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 58.237 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

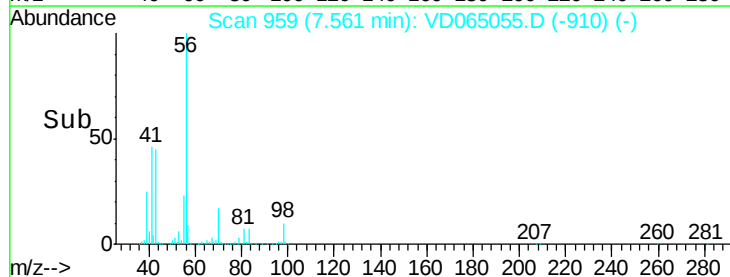
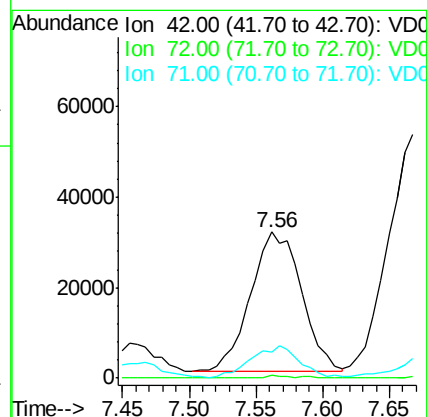
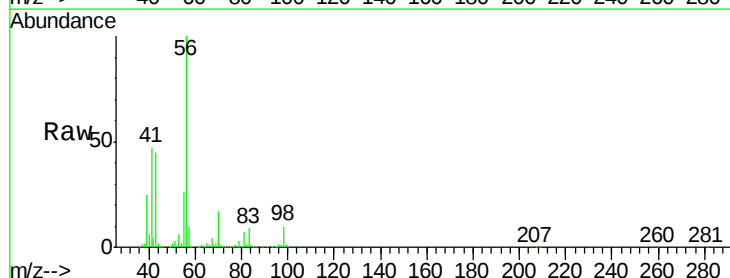
Tgt Ion: 42 Resp: 80604

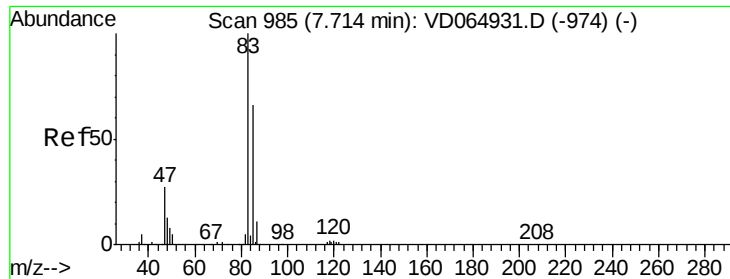
Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

71 0.0 31.5 47.3#

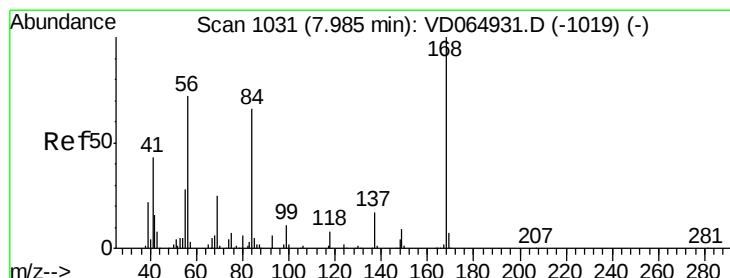
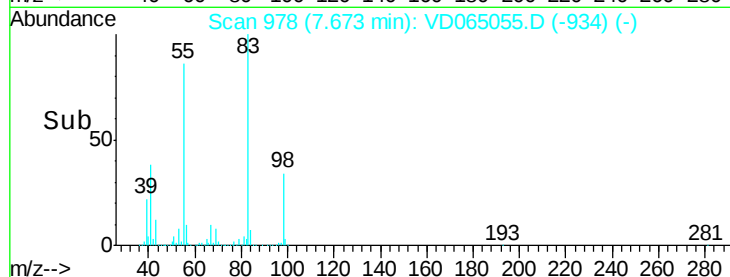
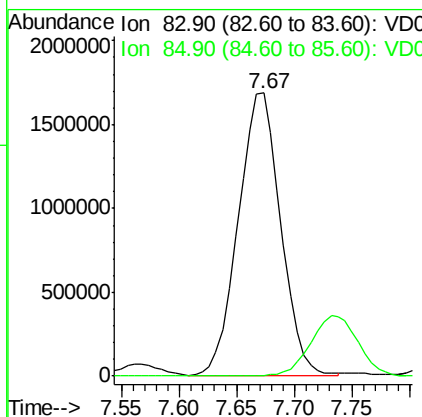
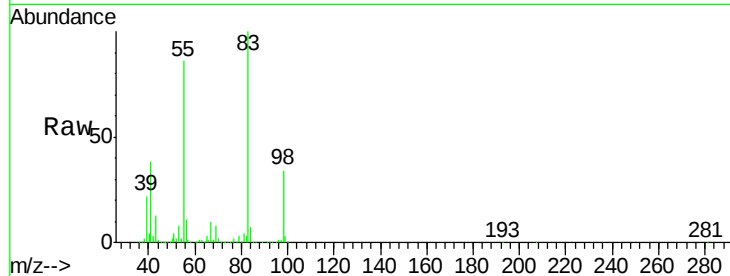




#30
Chloroform
Concen: 281.318 ug/l
RT: 7.67 min Scan# 978
Delta R.T. -0.04 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

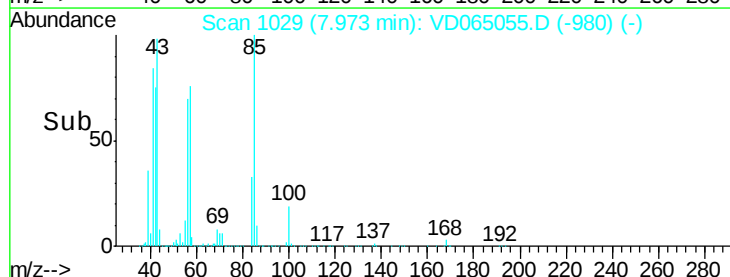
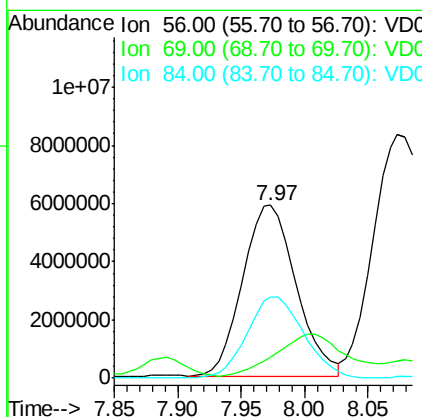
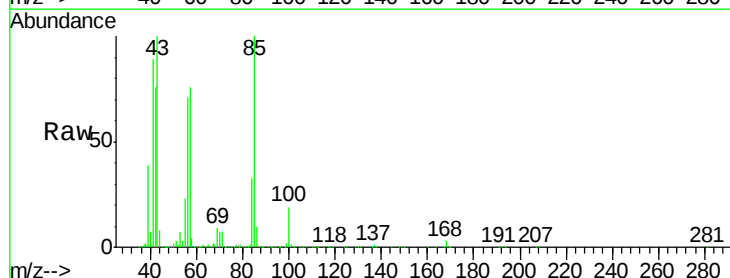
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(35-37)

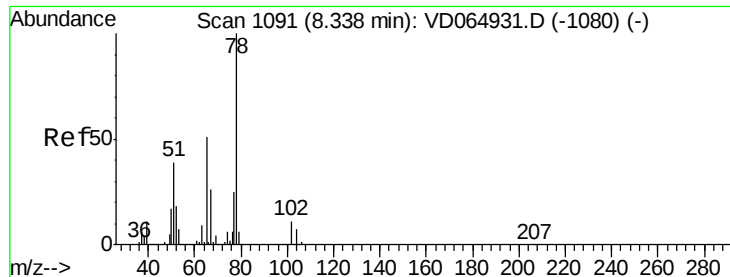
Tot Ion: 83 Resp: 4276306
Ion Ratio Lower Upper
83 100
85 0.3 52.4 78.6#



#31
Cyclohexane
Concen: 1193.556 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

Tgt Ion: 56 Resp: 17265992
Ion Ratio Lower Upper
56 100
69 6.0 27.9 41.9#
84 47.6 72.8 109.2#





#33

1,2-Dichloroethane-d4

Concen: 41.214 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

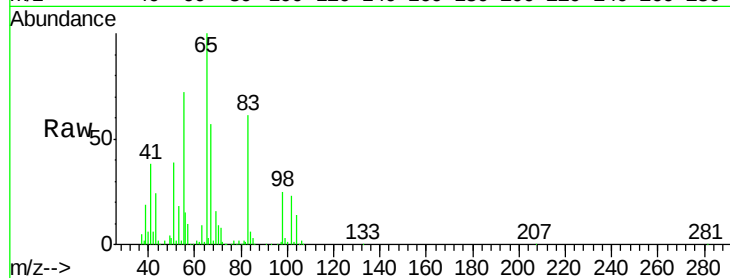
PD-3-(35-37)

Tot Ion: 65 Resp: 342206

Ion Ratio Lower Upper

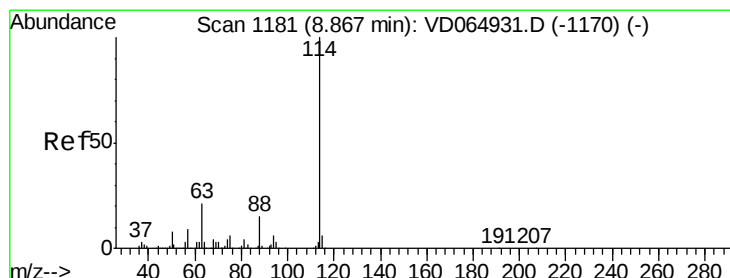
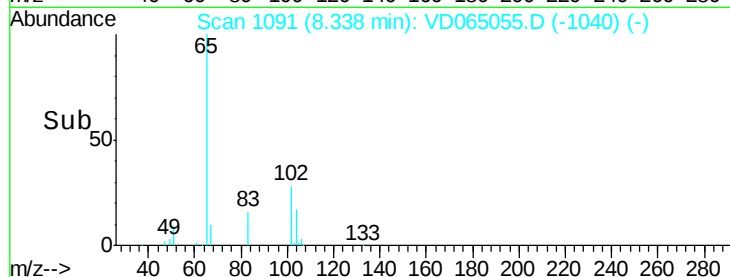
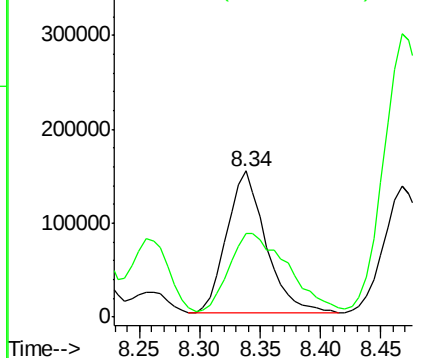
65 100

67 81.4 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: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

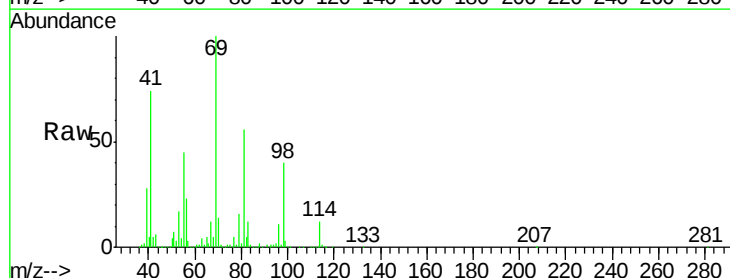
Tgt Ion: 114 Resp: 1301536

Ion Ratio Lower Upper

114 100

63 36.8 0.0 42.0

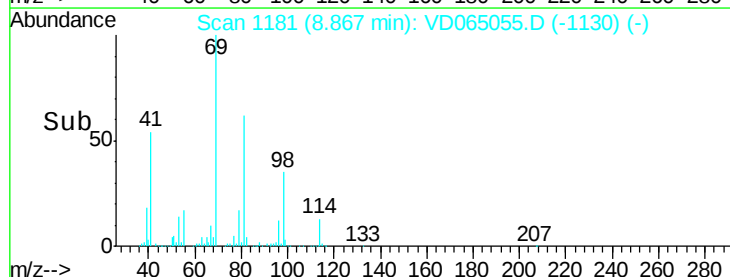
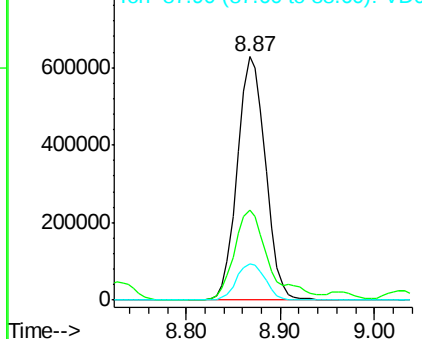
88 14.8 0.0 29.4

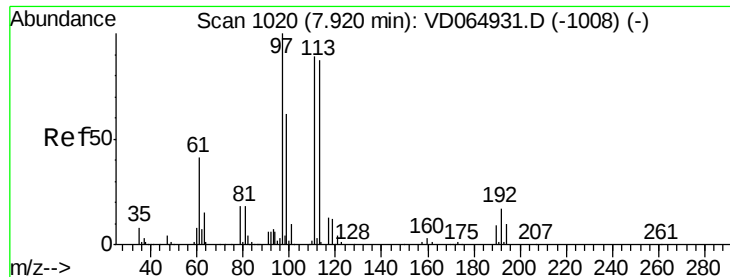


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

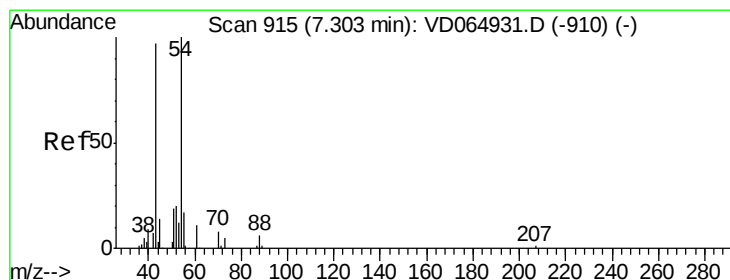
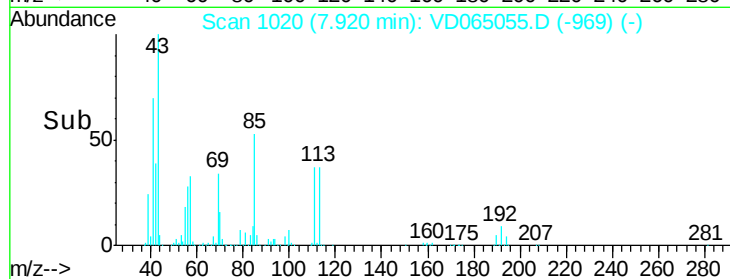
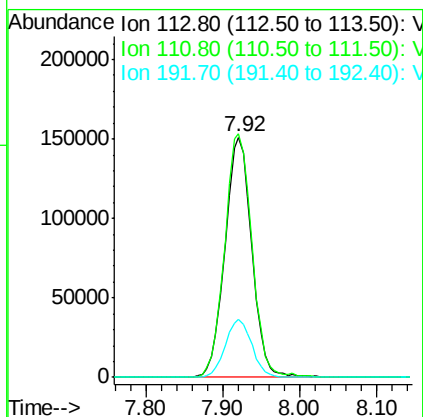
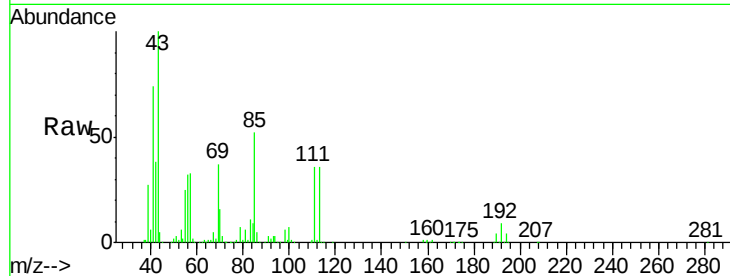




#35
 Dibromofluoromethane
 Concen: 44.828 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065055.D
 Acq: 03 Feb 2020 15:42

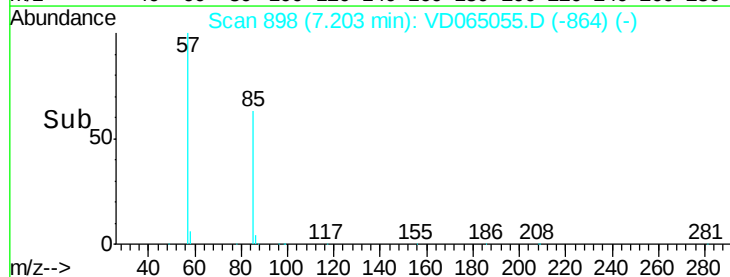
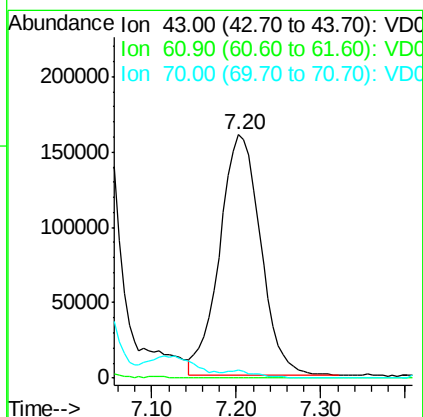
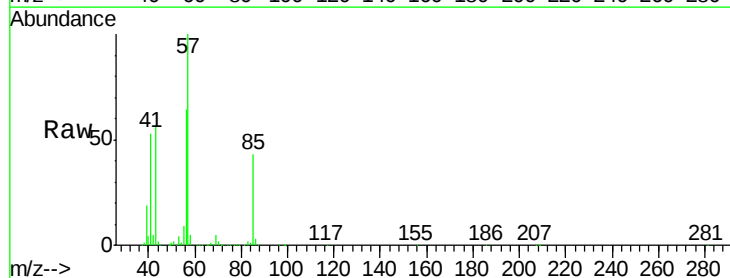
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(35-37)

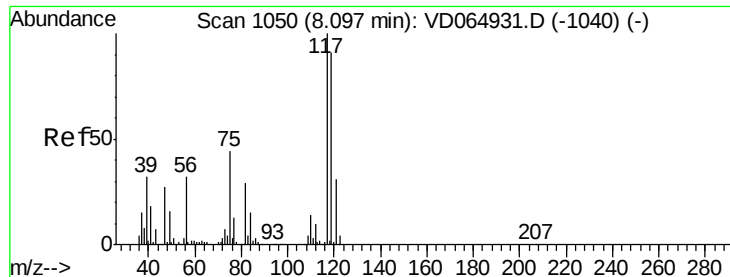
Tot Ion:113 Resp: 366646
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 23.9 16.9 25.3



#37
 Ethyl Acetate
 Concen: 102.768 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.10 min
 Lab File: VD065055.D
 Acq: 03 Feb 2020 15:42

Tgt Ion: 43 Resp: 532758
 Ion Ratio Lower Upper
 43 100
 61 0.1 11.0 16.4#
 70 2.1 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

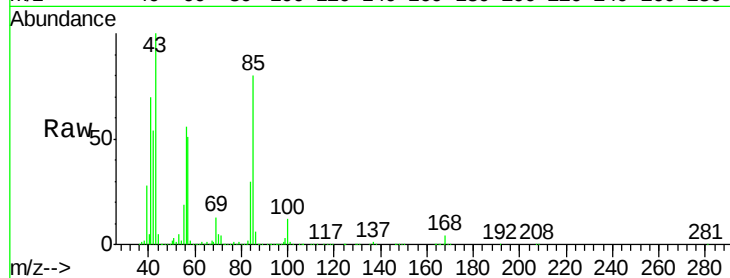
Tot Ion:117 Resp: 77527

Ion Ratio Lower Upper

117 100

119 5.8 73.2 109.8#

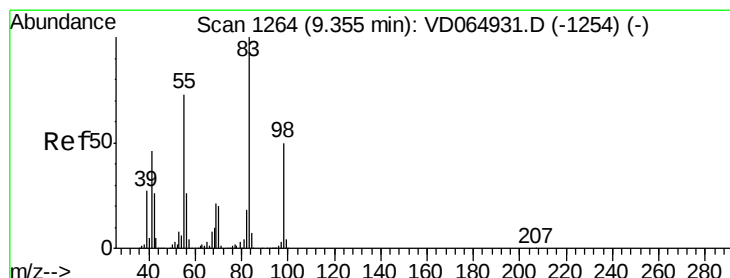
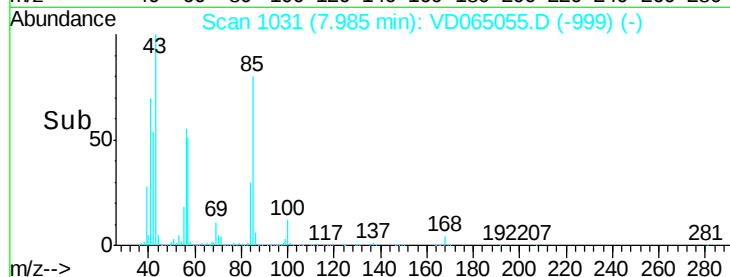
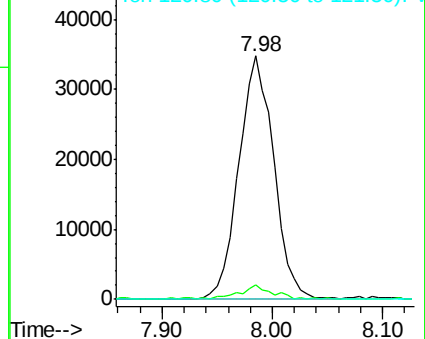
121 0.0 24.4 36.6#



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

Methylcyclohexane

Concen: 37.399 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.14 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

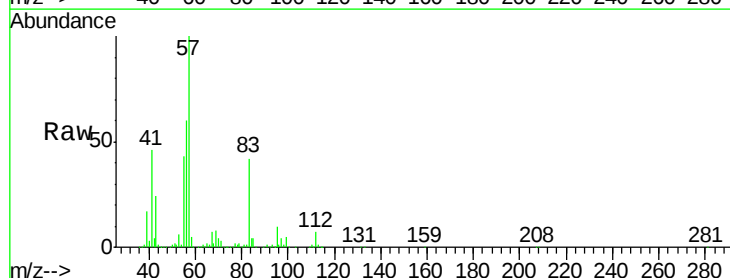
Tgt Ion: 83 Resp: 548754

Ion Ratio Lower Upper

83 100

55 96.5 58.7 88.1#

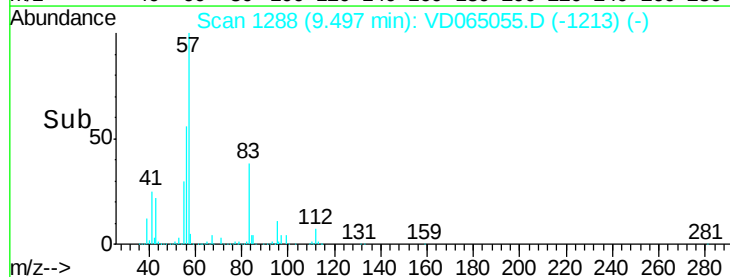
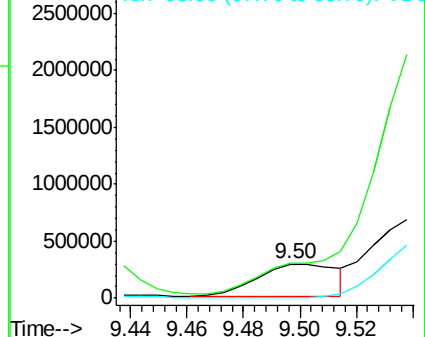
98 0.2 40.2 60.2#

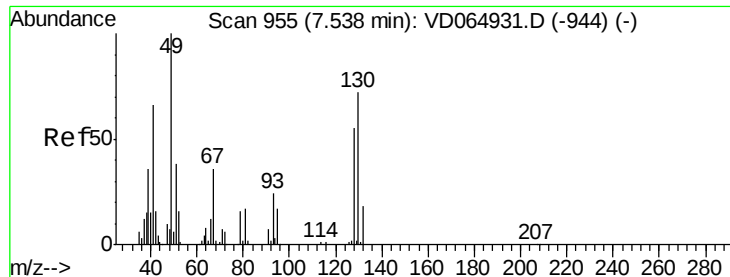


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC

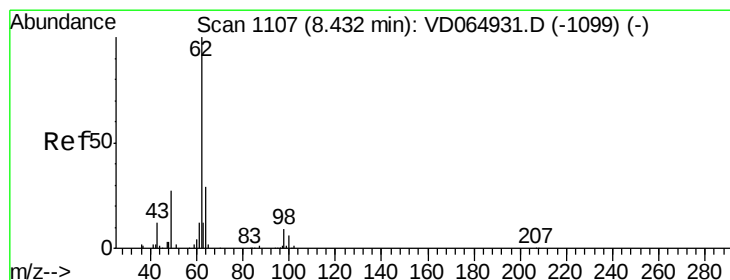
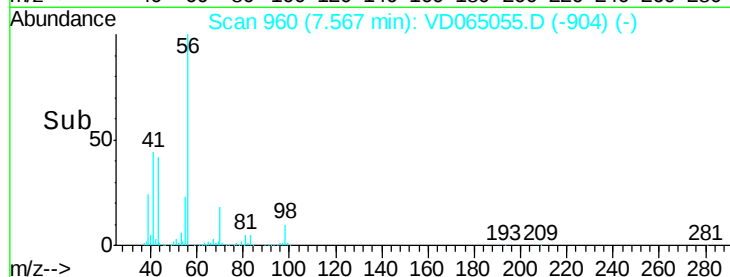
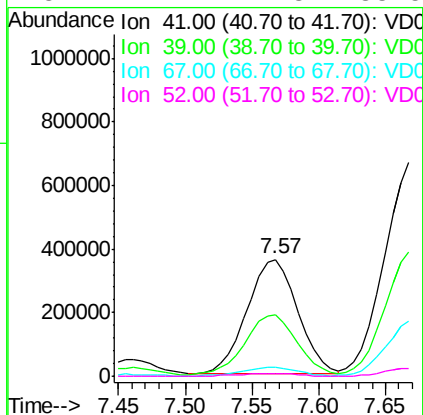
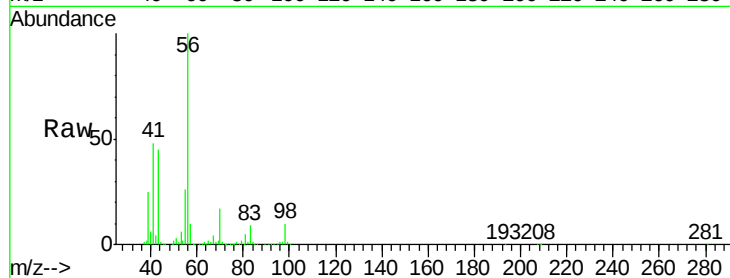




#41
Methacrylonitrile
Concen: 338.287 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.03 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

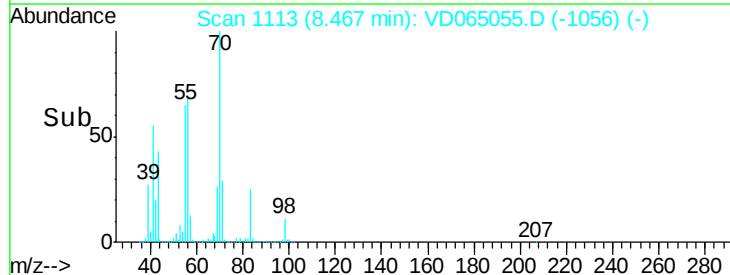
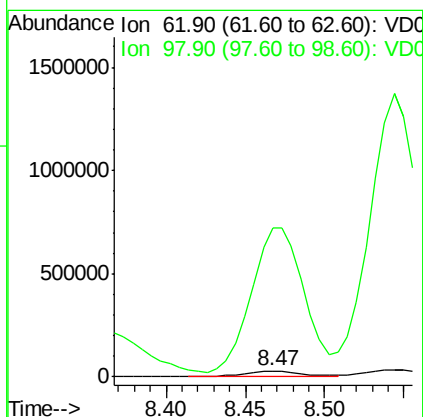
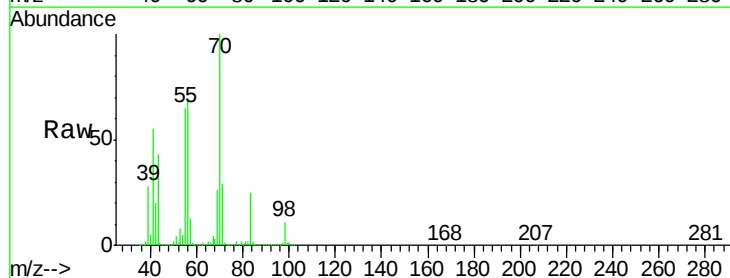
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(35-37)

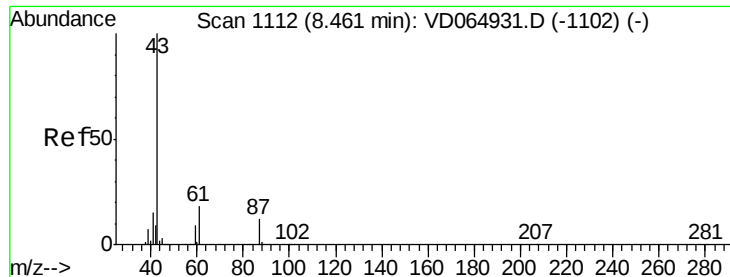
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	49.3	73.9
67	8.1	51.0	76.6#
52	2.7	22.3	33.5#



#42
1,2-Dichloroethane
Concen: 7.077 ug/l
RT: 8.47 min Scan# 1113
Delta R.T. 0.04 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	2184.6	0.0	17.8#





#43

Isopropyl Acetate

Concen: 936.196 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

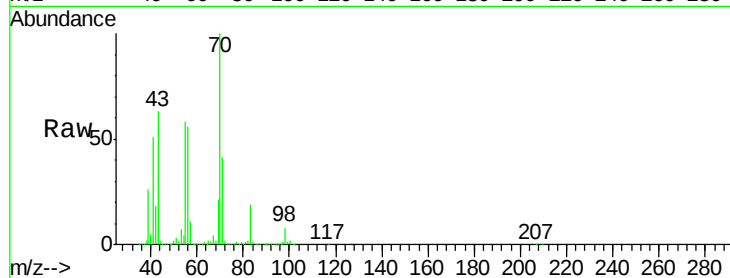
Tot Ion: 43 Resp: 9219036

Ion Ratio Lower Upper

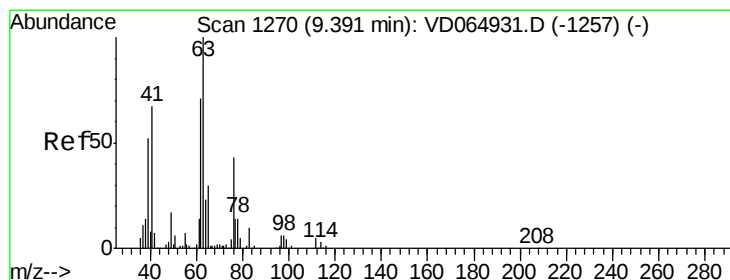
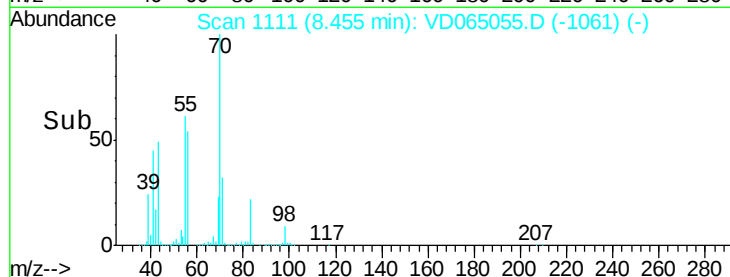
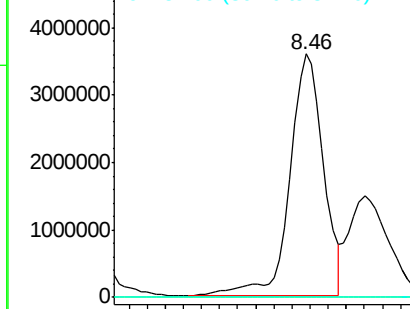
43 100

61 0.3 23.8 35.6#

87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#45

1,2-Dichloropropane

Concen: 55.489 ug/l

RT: 9.37 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VD065055.D

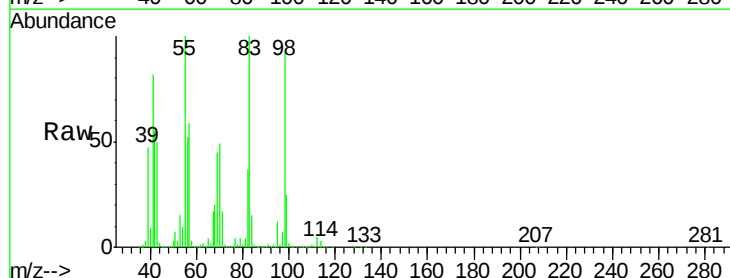
Acq: 03 Feb 2020 15:42

Tgt Ion: 63 Resp: 464971

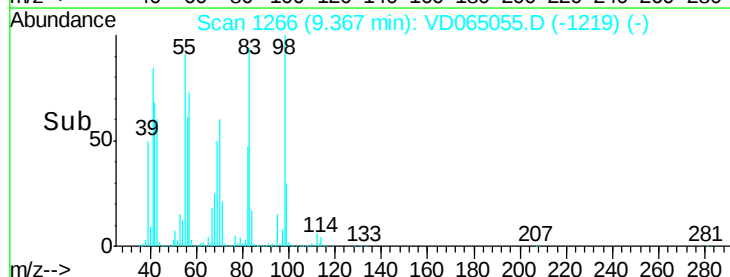
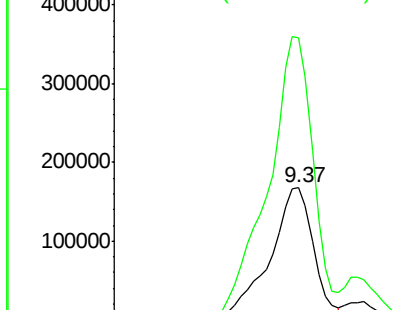
Ion Ratio Lower Upper

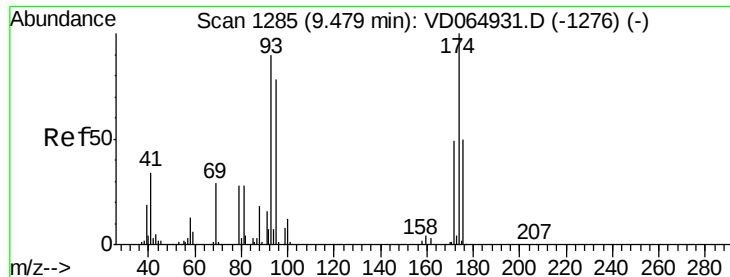
63 100

65 212.9 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 64.90 (64.60 to 65.60): VDC





#46

Dibromomethane

Concen: 1.339 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

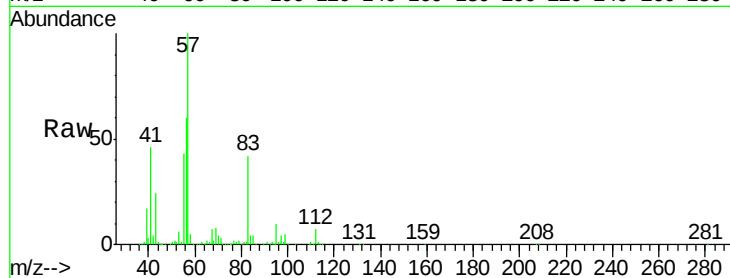
Tot Ion: 93 Resp: 6126

Ion Ratio Lower Upper

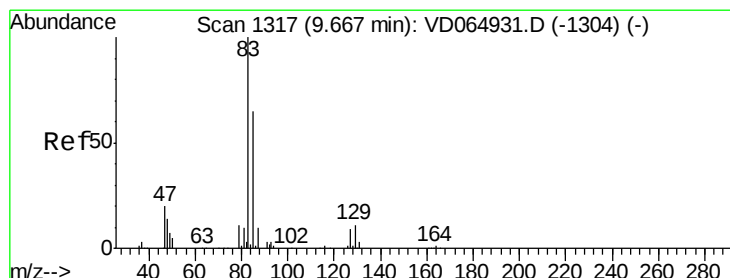
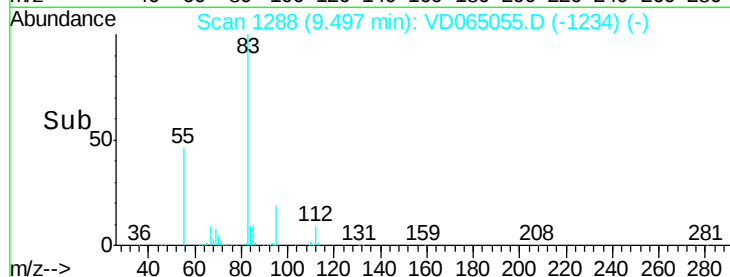
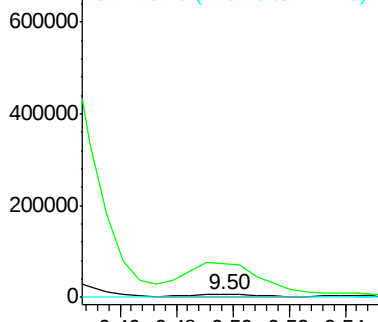
93 100

95 2290.8 67.5 101.3#

174 0.0 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: 391.868 ug/l

RT: 9.65 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

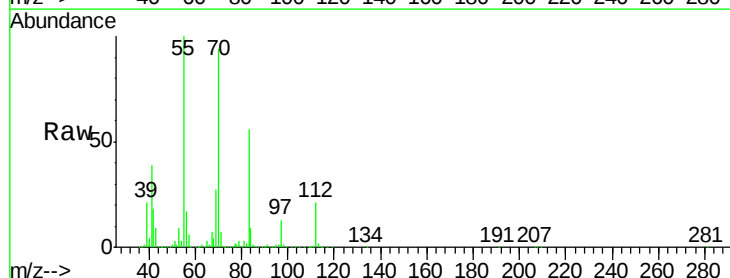
Tgt Ion: 83 Resp: 4664903

Ion Ratio Lower Upper

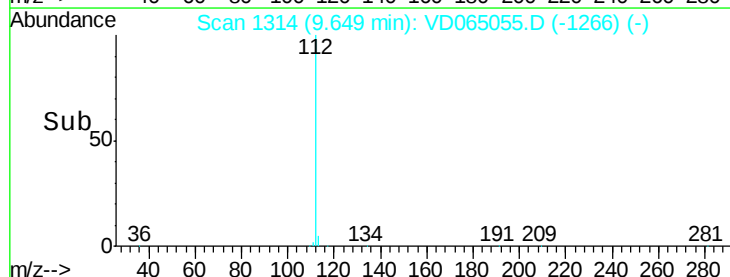
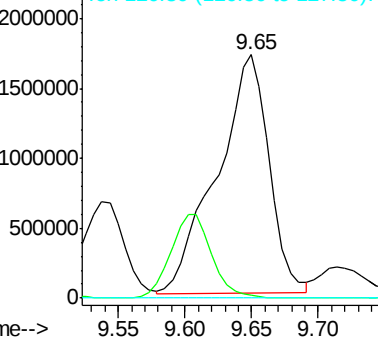
83 100

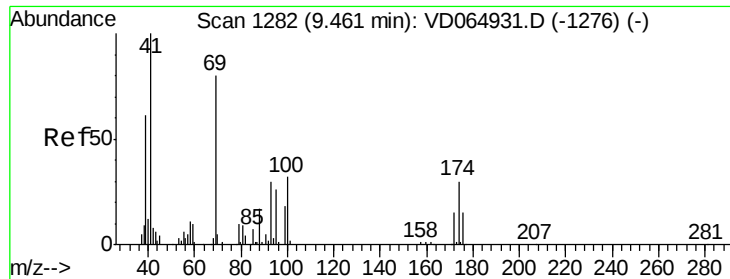
85 0.9 52.0 78.0#

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

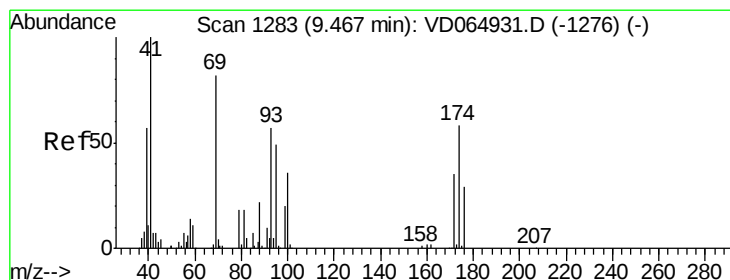
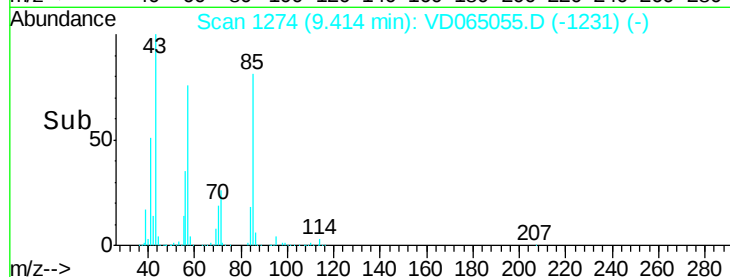
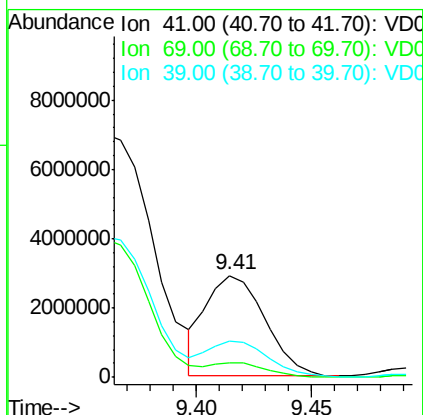
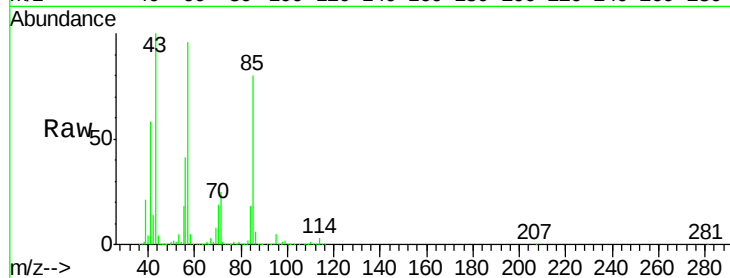




#48
Methyl methacrylate
Concen: 1133.391 ug/l
RT: 9.41 min Scan# 1274
Delta R.T. -0.05 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

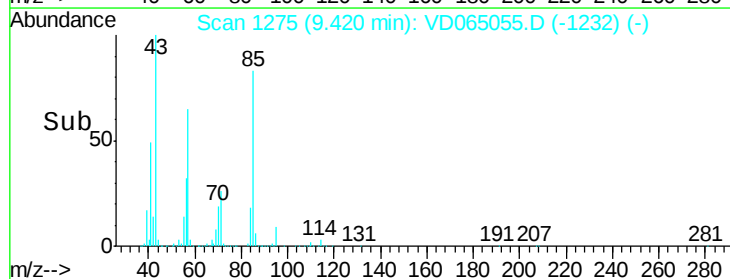
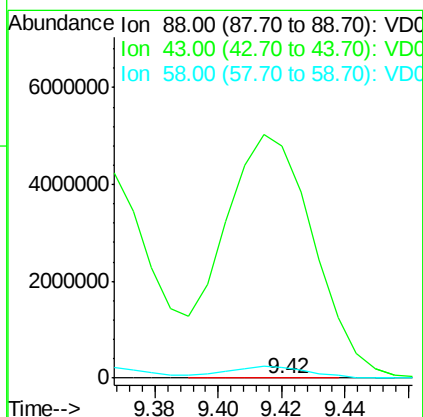
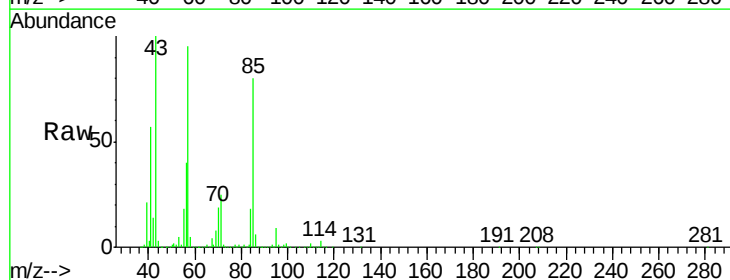
Instrument :
MSVOA_D
ClientSampleID :
PD-3-(35-37)

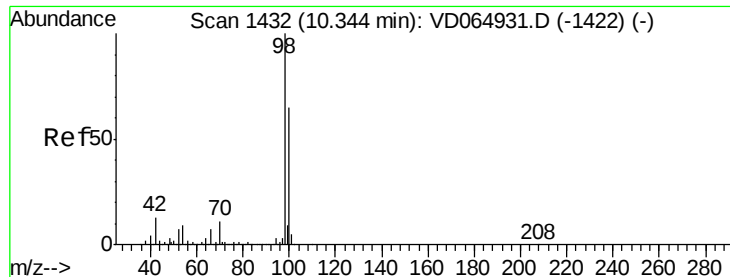
Tot Ion: 41 Resp: 5136078
Ion Ratio Lower Upper
41 100
69 12.0 65.8 98.8#
39 37.3 49.4 74.0#



#49
1,4-Dioxane
Concen: 8.349 ug/l
RT: 9.42 min Scan# 1275
Delta R.T. -0.05 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

Tgt Ion: 88 Resp: 443
Ion Ratio Lower Upper
88 100
43 2191877.2 26.2 39.4#
58 99171.6 50.3 75.5#





#50

Toluene-d8

Concen: 124.872 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

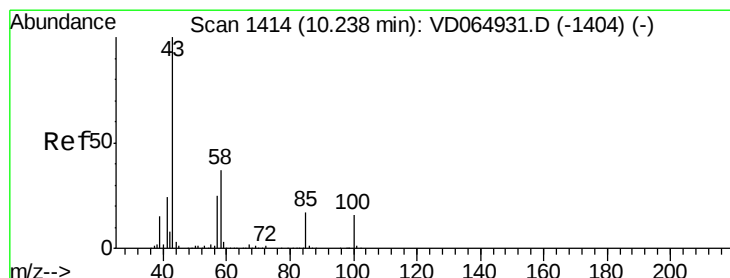
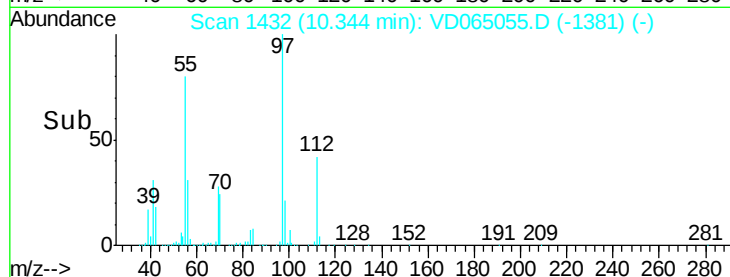
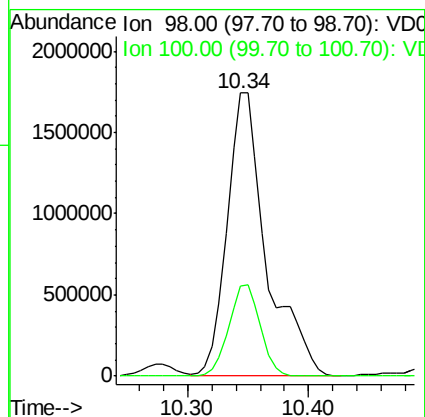
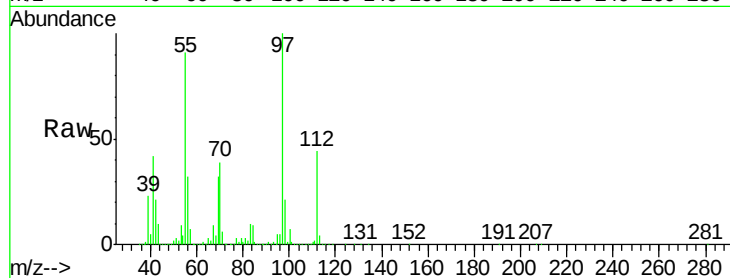
PD-3-(35-37)

Tot Ion: 98 Resp: 3941953

Ion Ratio Lower Upper

98 100

100 25.8 52.3 78.5#



#51

4-Methyl-2-Pentanone

Concen: 304.355 ug/l

RT: 10.28 min Scan# 1421

Delta R.T. 0.04 min

Lab File: VD065055.D

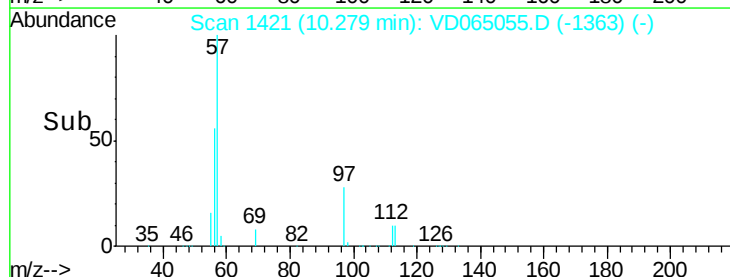
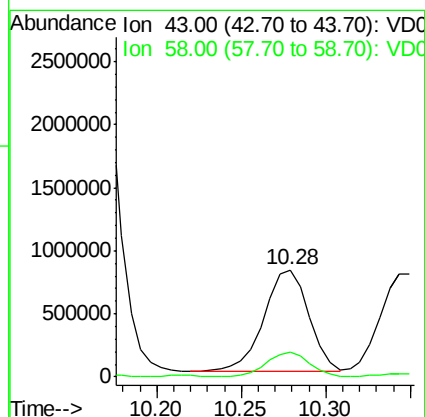
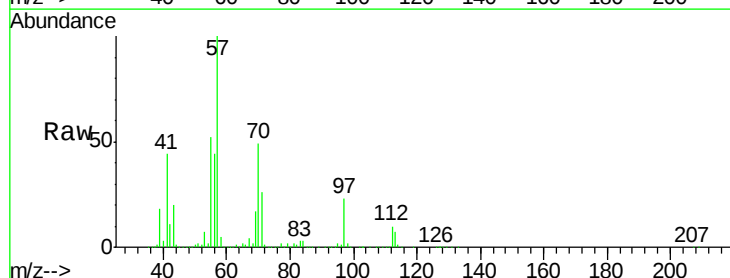
Acq: 03 Feb 2020 15:42

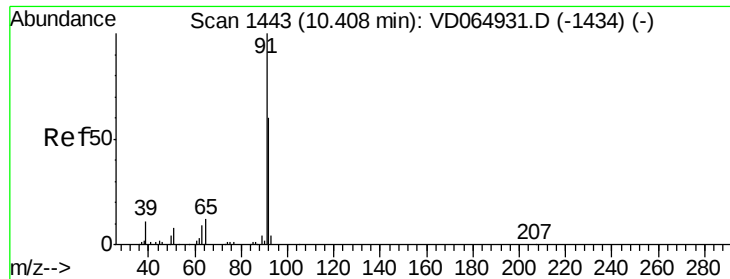
Tgt Ion: 43 Resp: 1499633

Ion Ratio Lower Upper

43 100

58 22.0 30.4 45.6#





#52

Toluene

Concen: 1.406 ug/l

RT: 10.41 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

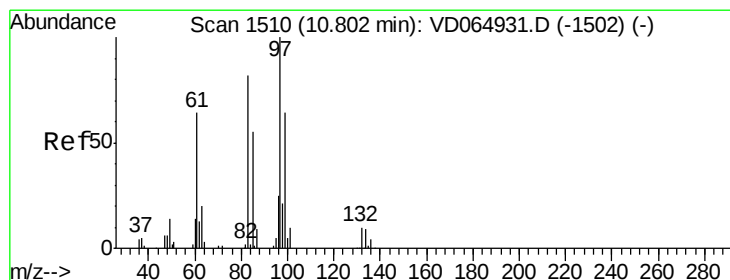
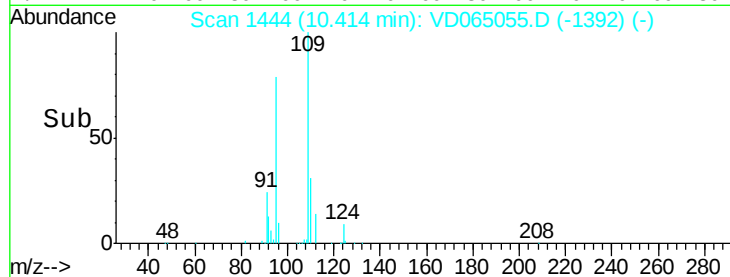
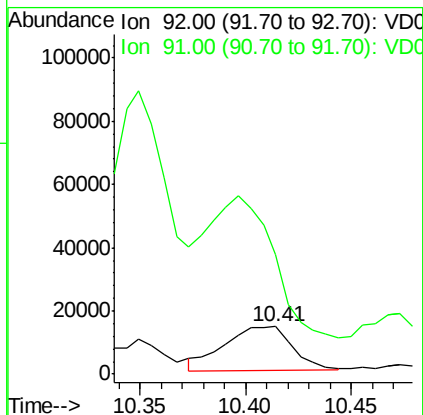
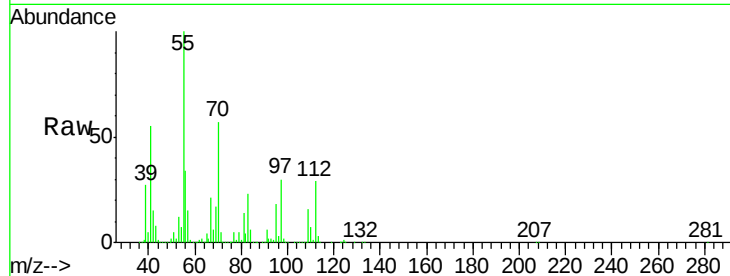
PD-3-(35-37)

Tot Ion: 92 Resp: 31340

Ion Ratio Lower Upper

92 100

91 312.7 136.8 205.2#



#55

1,1,2-Trichloroethane

Concen: 1606.833 ug/l

RT: 10.78 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Tgt Ion: 97 Resp: 9901915

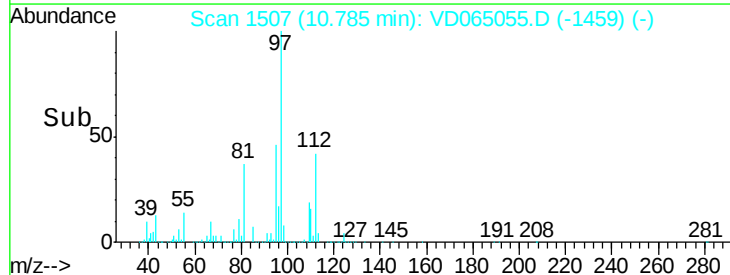
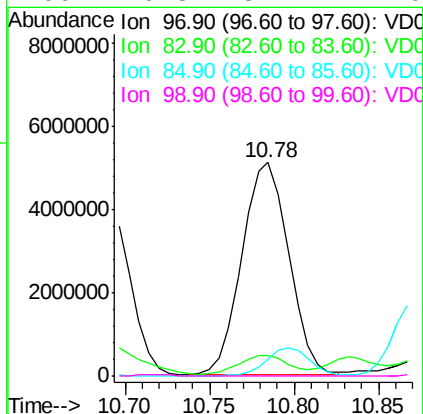
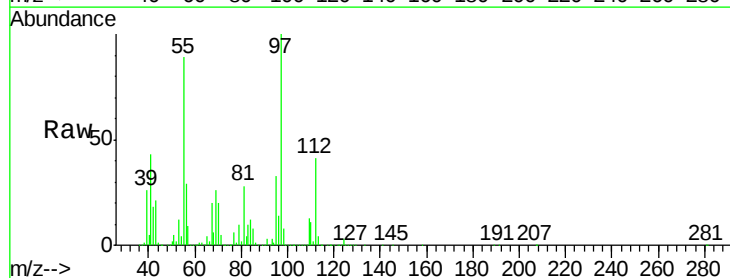
Ion Ratio Lower Upper

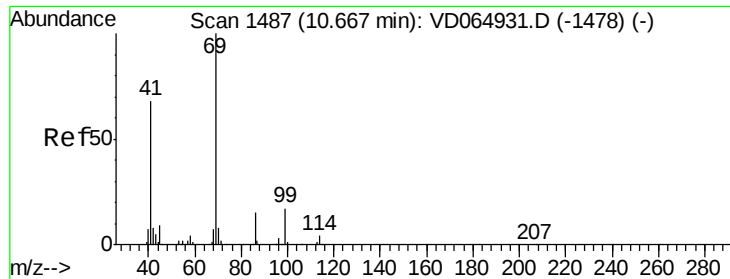
97 100

83 8.6 66.0 99.0#

85 7.9 44.4 66.6#

99 0.3 51.4 77.0#





#56

Ethyl methacrylate

Concen: 350.957 ug/l

RT: 10.69 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleID :

PD-3-(35-37)

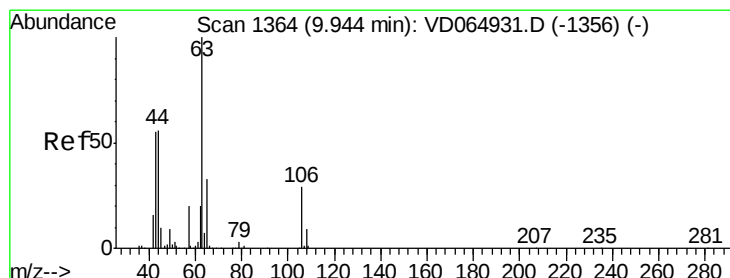
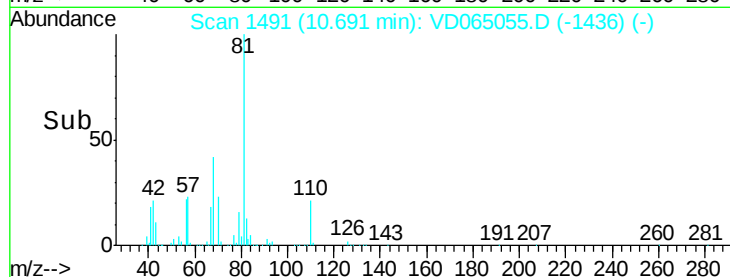
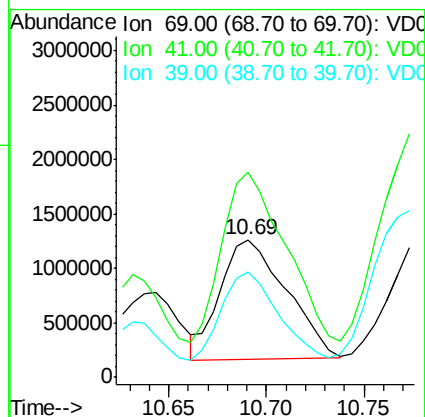
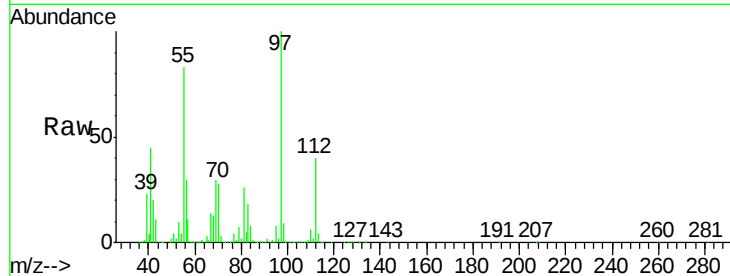
Tot Ion: 69 Resp: 2586240

Ion Ratio Lower Upper

69 100

41 155.1 56.4 84.6#

39 72.0 30.6 46.0#



#58

2-Chloroethyl Vinyl ether

Concen: 40.329 ug/l

RT: 9.93 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VD065055.D

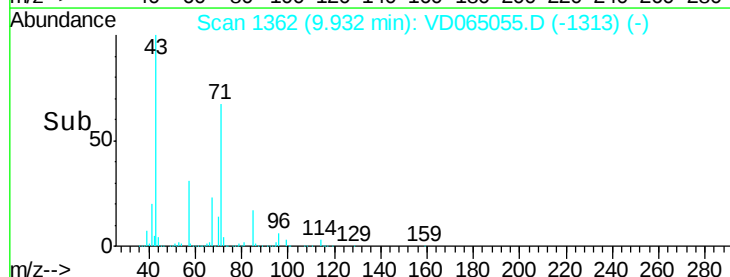
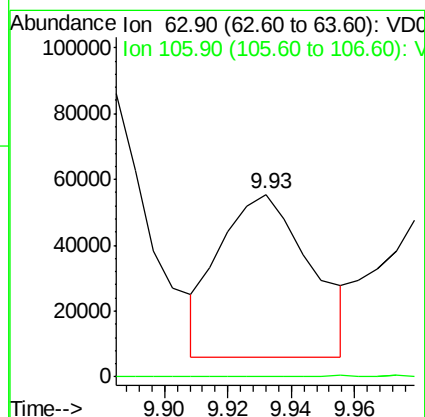
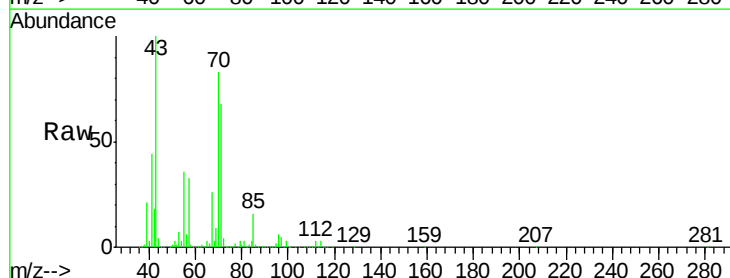
Acq: 03 Feb 2020 15:42

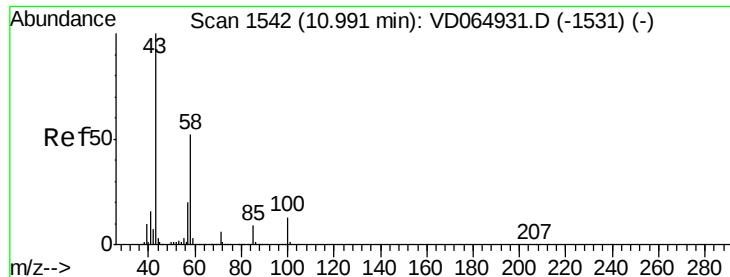
Tgt Ion: 63 Resp: 98732

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.4#





#59

2-Hexanone

Concen: 2600.026 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. -0.03 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

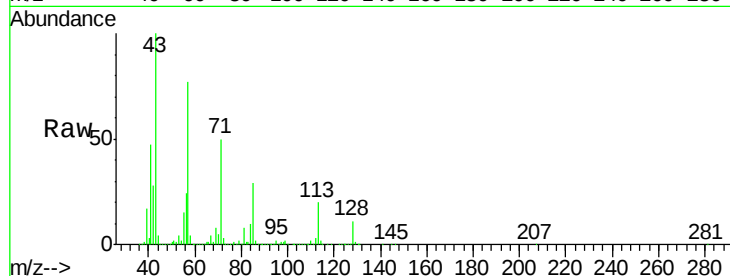
PD-3-(35-37)

Tot Ion: 43 Resp: 8836636

Ion Ratio Lower Upper

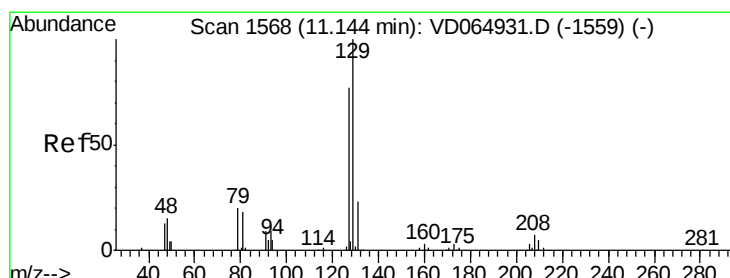
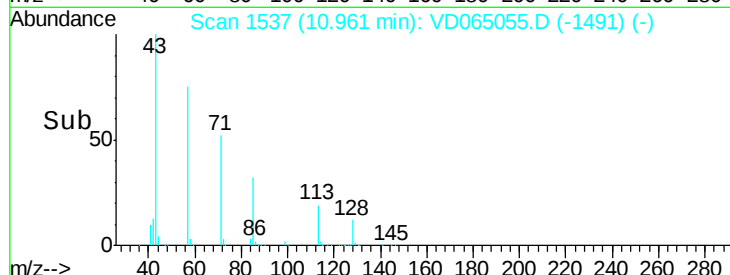
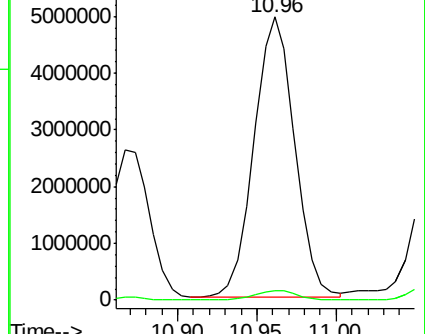
43 100

58 3.7 26.5 79.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 1.135 ug/l

RT: 10.87 min Scan# 1521

Delta R.T. -0.28 min

Lab File: VD065055.D

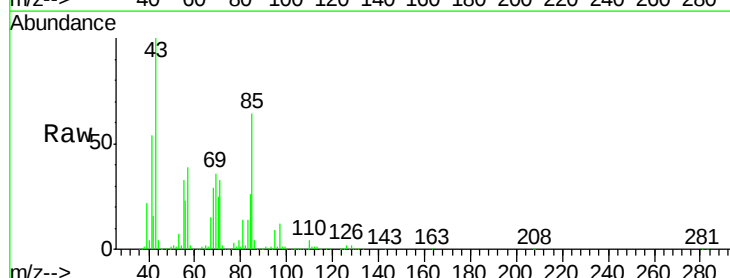
Acq: 03 Feb 2020 15:42

Tgt Ion:129 Resp: 9346

Ion Ratio Lower Upper

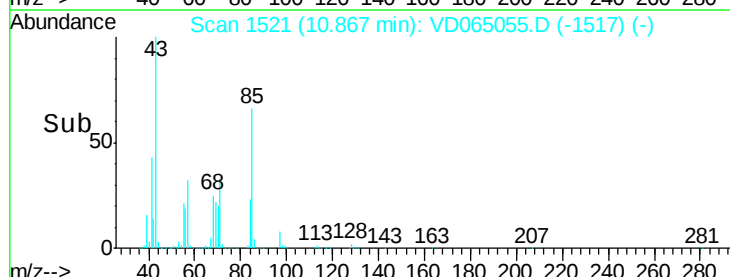
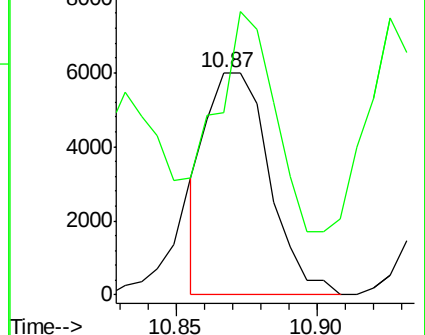
129 100

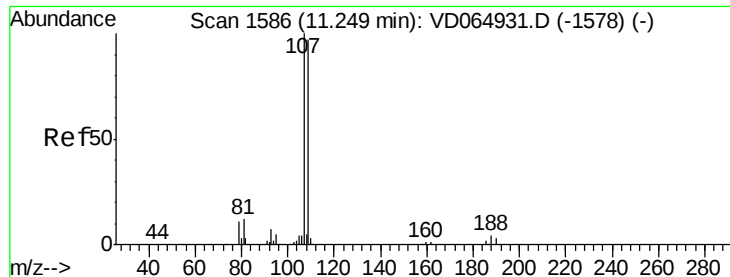
127 85.5 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

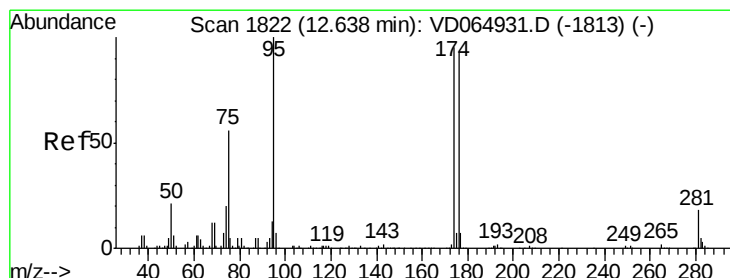
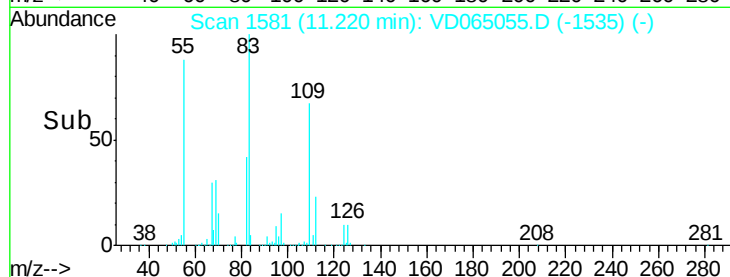
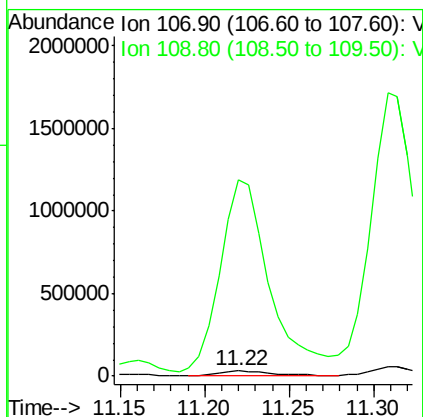
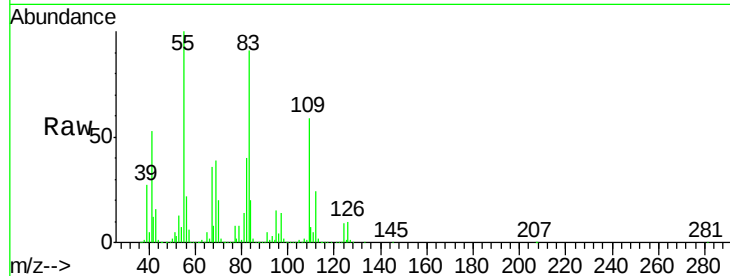




#61
 1,2-Dibromoethane
 Concen: 11.031 ug/l
 RT: 11.22 min Scan# 1581
 Delta R.T. -0.03 min
 Lab File: VD065055.D
 Acq: 03 Feb 2020 15:42

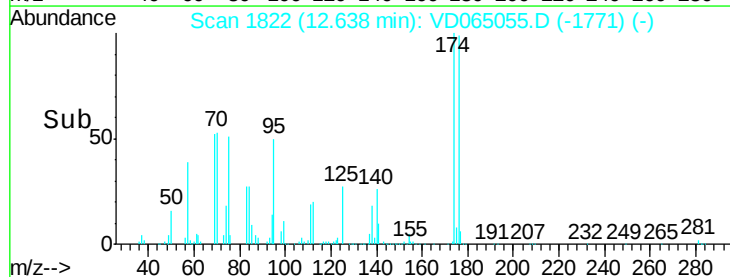
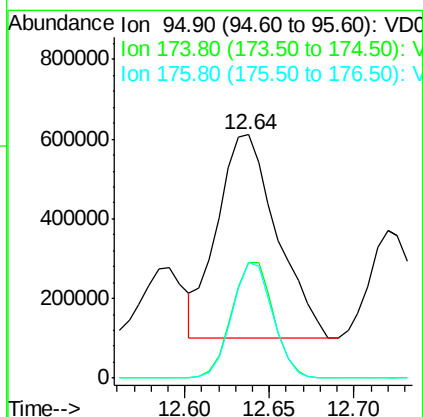
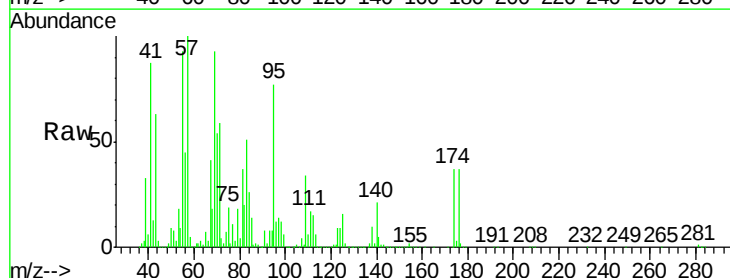
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(35-37)

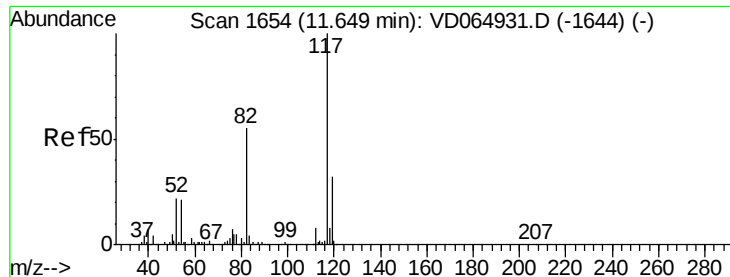
Tot Ion:107 Resp: 65454
 Ion Ratio Lower Upper
 107 100
 109 3548.3 77.1 115.7#



#62
 4-Bromofluorobenzene
 Concen: 130.543 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065055.D
 Acq: 03 Feb 2020 15:42

Tgt Ion: 95 Resp: 1261104
 Ion Ratio Lower Upper
 95 100
 174 39.7 0.0 186.8
 176 38.7 0.0 183.4

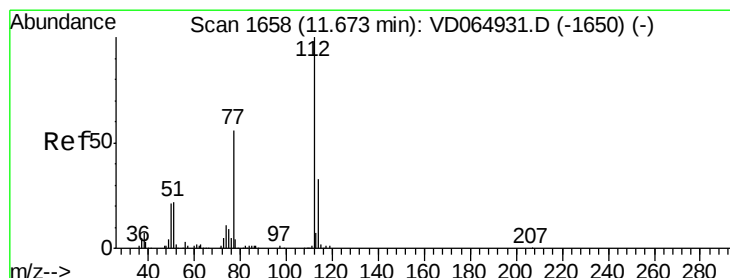
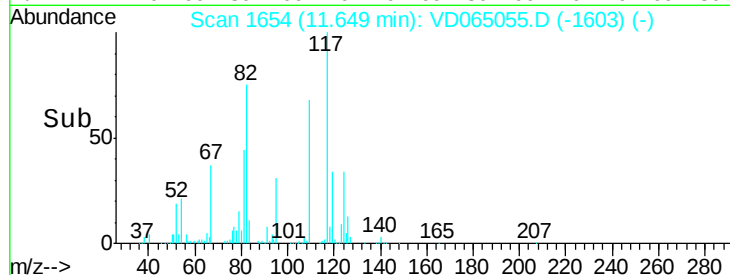
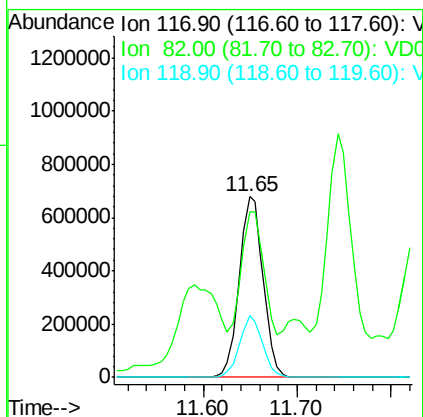
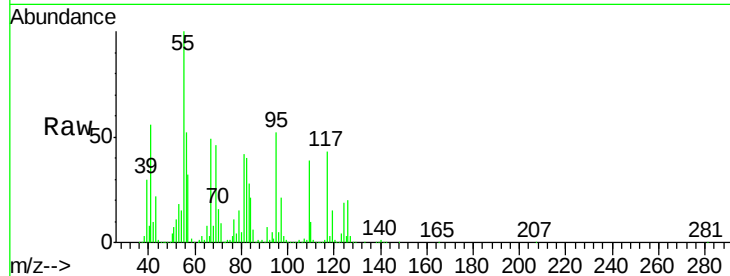




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

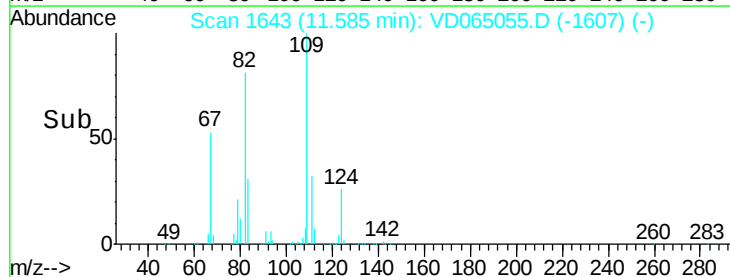
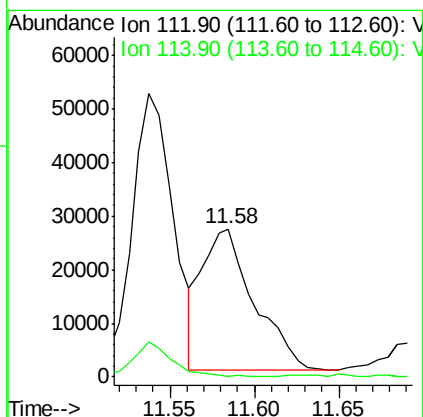
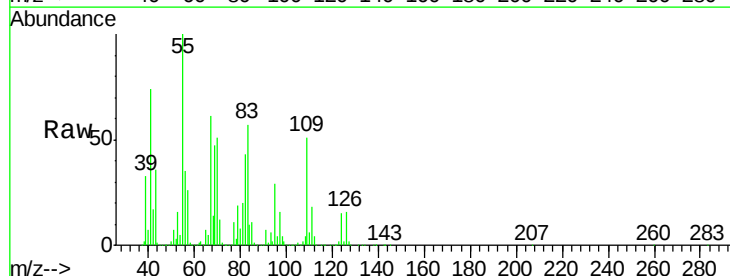
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(35-37)

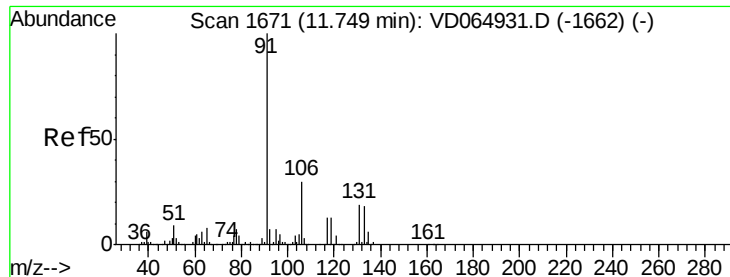
Tot Ion:117 Resp: 1189407
Ion Ratio Lower Upper
117 100
82 42.9 43.6 65.4#
119 34.1 25.2 37.8



#65
Chlorobenzene
Concen: 2.328 ug/l
RT: 11.58 min Scan# 1643
Delta R.T. -0.09 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

Tgt Ion:112 Resp: 56215
Ion Ratio Lower Upper
112 100
114 0.0 26.2 39.4#





#67

Ethyl Benzene

Concen: 25.805 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

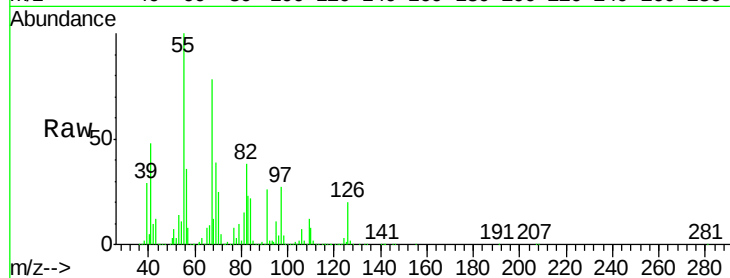
PD-3-(35-37)

Tot Ion: 91 Resp: 1106339

Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.75

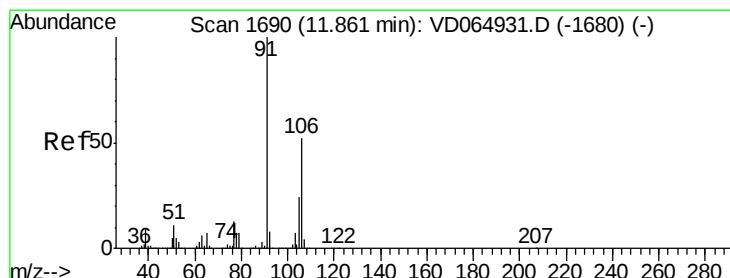
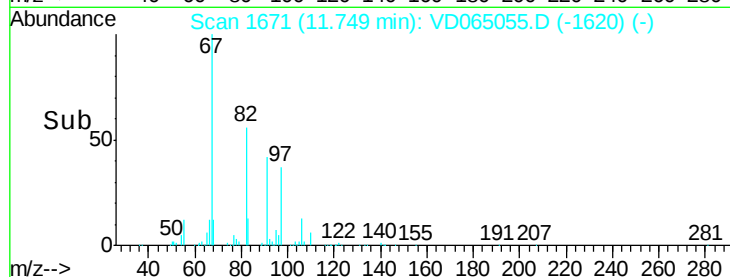
600000

400000

200000

0

Time-->



#68

m/p-Xylenes

Concen: 5.526 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VD065055.D

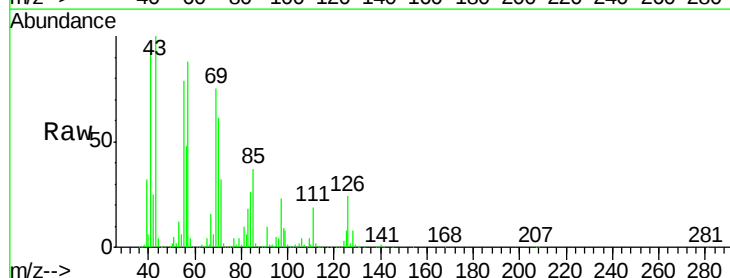
Acq: 03 Feb 2020 15:42

Tgt Ion: 106 Resp: 91214

Ion Ratio Lower Upper

106 100

91 166.8 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

11.87

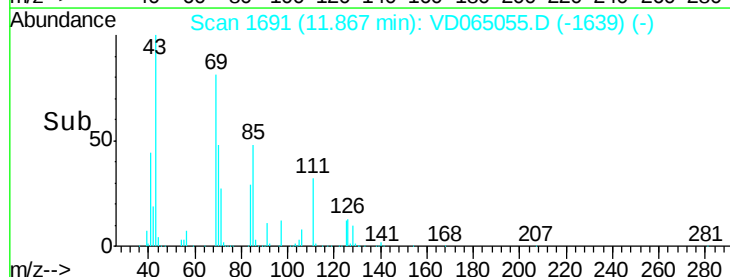
600000

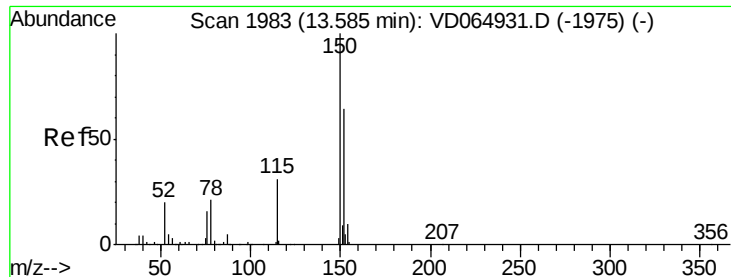
400000

200000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

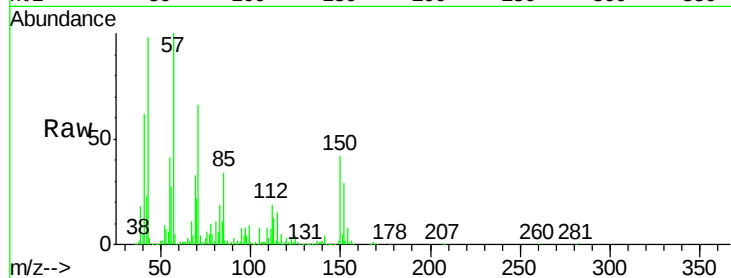
Tot Ion:152 Resp: 724409

Ion Ratio Lower Upper

152 100

115 43.4 28.1 84.4

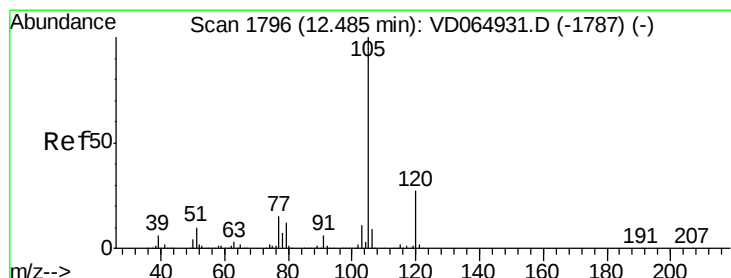
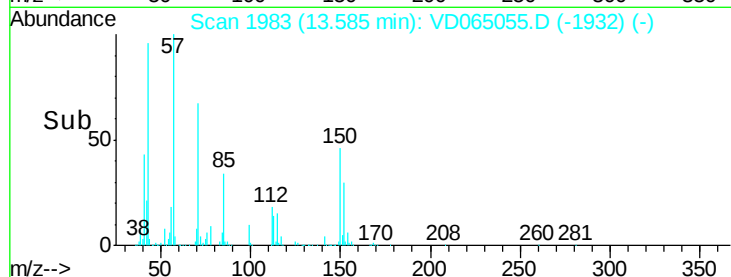
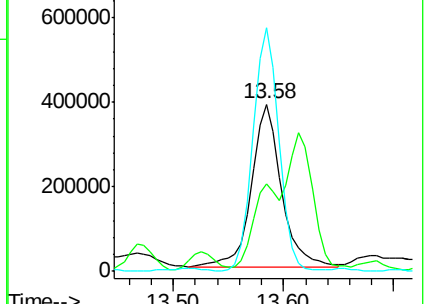
150 129.4 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 114.608 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065055.D

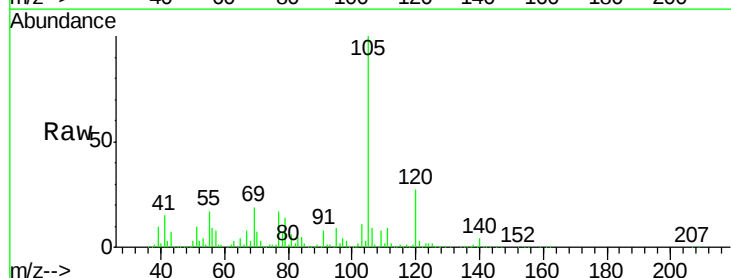
Acq: 03 Feb 2020 15:42

Tgt Ion:105 Resp: 5674554

Ion Ratio Lower Upper

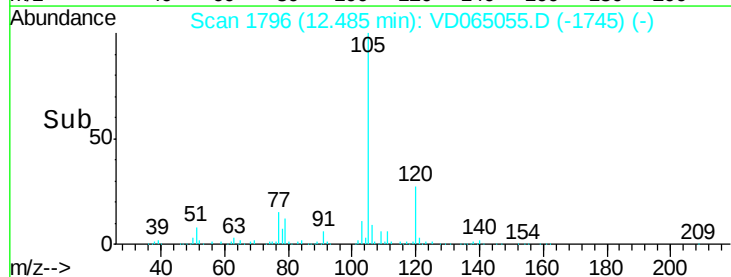
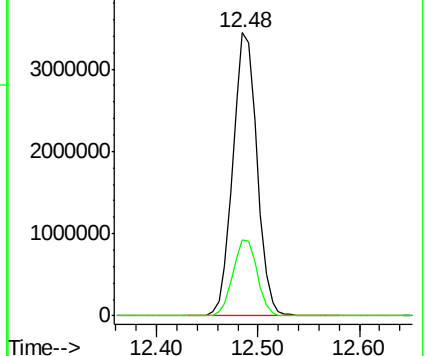
105 100

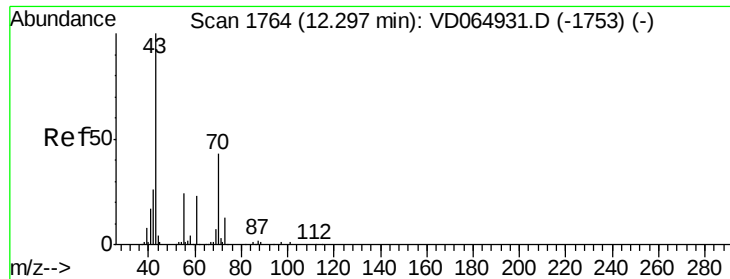
120 27.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 266.955 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

Tot Ion: 43 Resp: 2957679

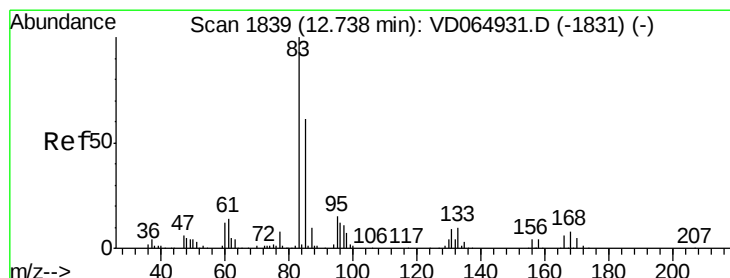
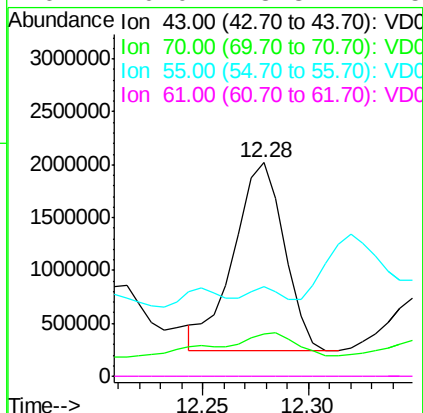
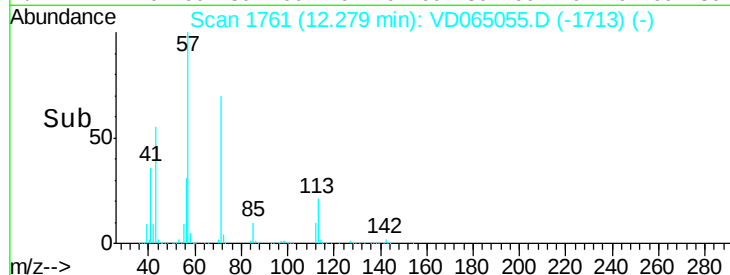
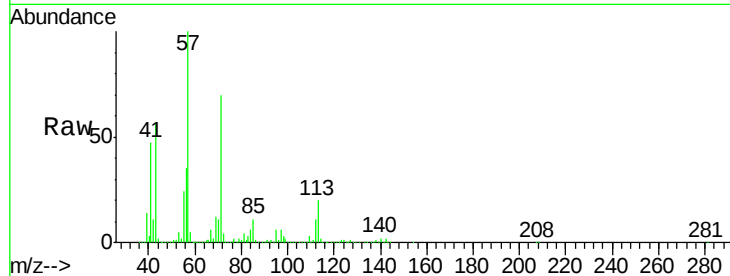
Ion Ratio Lower Upper

43 100

70 20.0 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: 25.881 ug/l

RT: 12.72 min Scan# 1836

Delta R.T. -0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

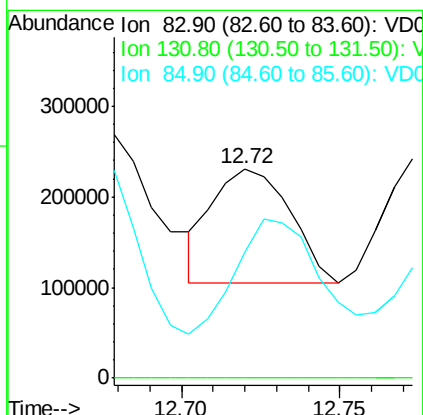
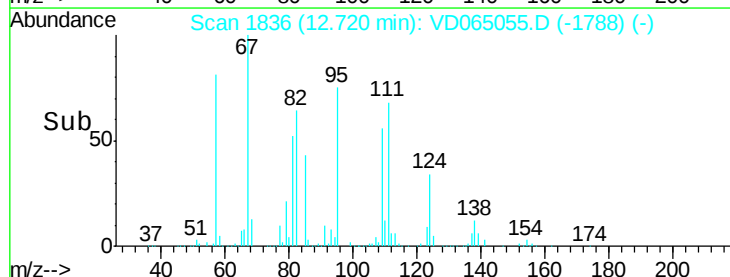
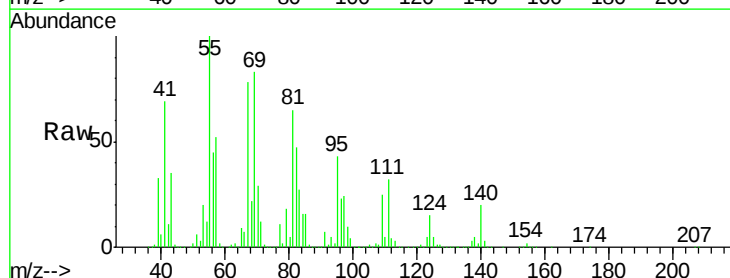
Tgt Ion: 83 Resp: 215372

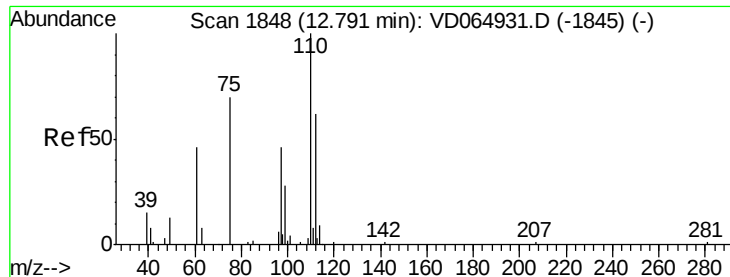
Ion Ratio Lower Upper

83 100

131 0.3 5.5 16.4#

85 102.8 31.6 94.7#





#76

1,2,3-Trichloropropane

Concen: 31.302 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.04 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

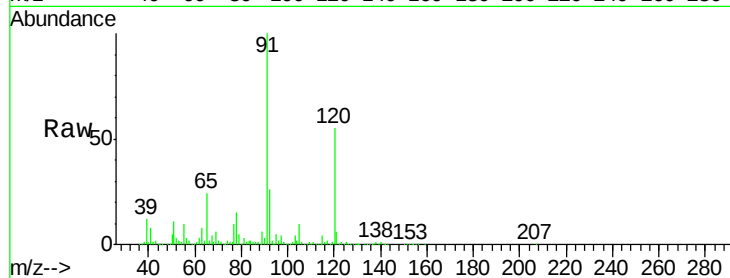
PD-3-(35-37)

Tot Ion: 75 Resp: 188209

Ion Ratio Lower Upper

75 100

77 715.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

1000000

800000

600000

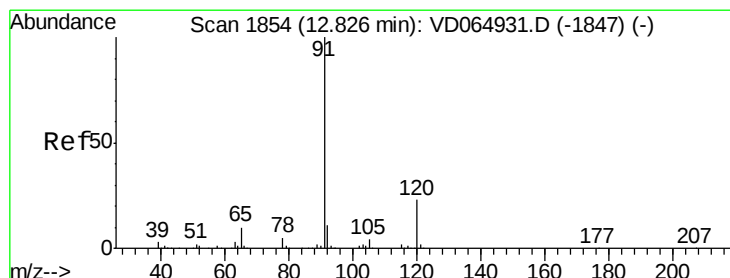
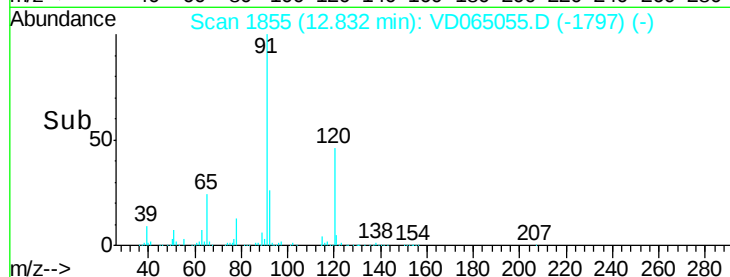
400000

200000

0

12.80 12.83 12.90

Time-->



#78

n-propylbenzene

Concen: 324.566 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065055.D

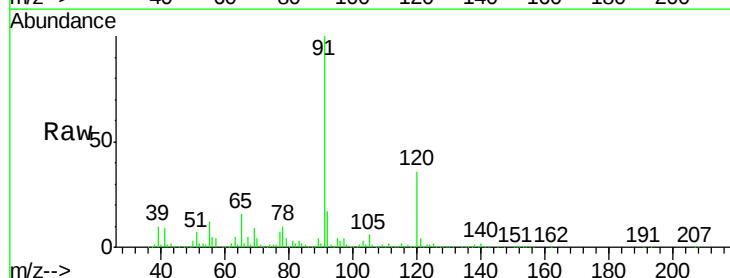
Acq: 03 Feb 2020 15:42

Tgt Ion: 91 Resp: 19111236

Ion Ratio Lower Upper

91 100

120 38.7 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC

1e+07

8000000

6000000

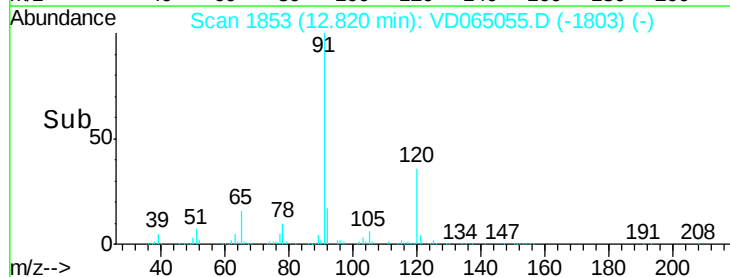
4000000

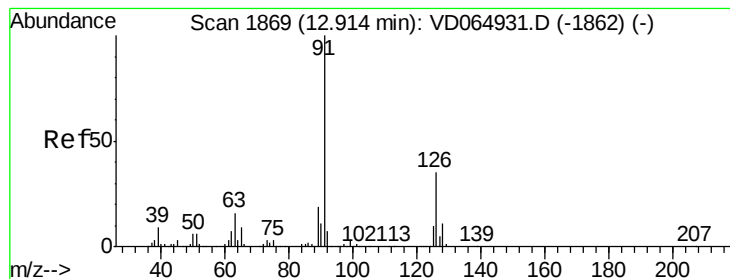
2000000

0

12.80 12.82 12.90

Time-->





#79

2-Chlorotoluene

Concen: 591.644 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.09 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

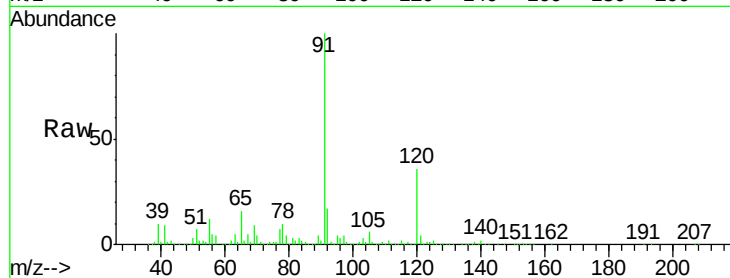
PD-3-(35-37)

Tot Ion: 91 Resp: 19111236

Ion Ratio Lower Upper

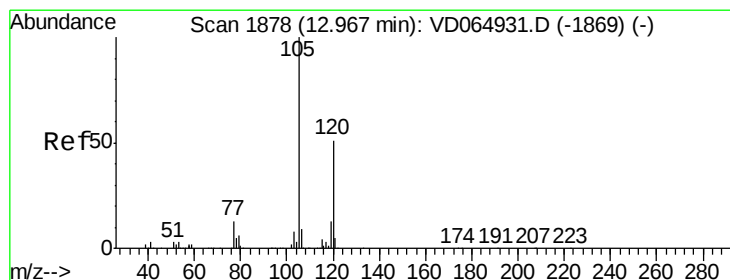
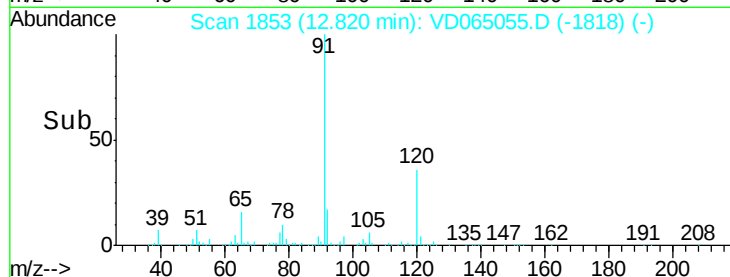
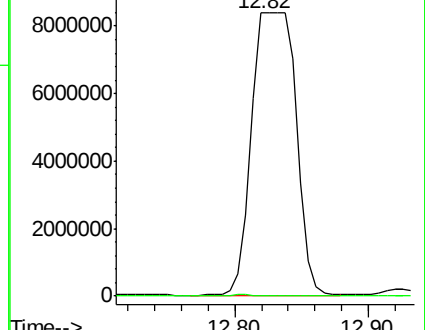
91 100

126 0.4 17.9 53.8#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 63.288 ug/l

RT: 12.93 min Scan# 1871

Delta R.T. -0.04 min

Lab File: VD065055.D

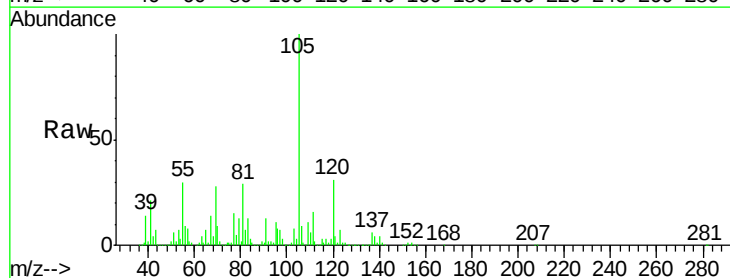
Acq: 03 Feb 2020 15:42

Tgt Ion: 105 Resp: 2567957

Ion Ratio Lower Upper

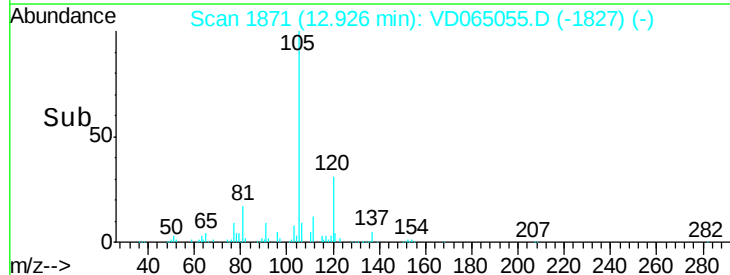
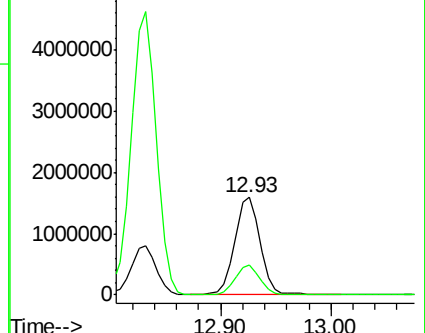
105 100

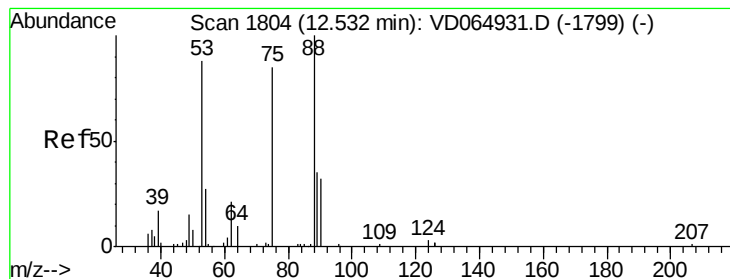
120 30.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.982 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.05 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

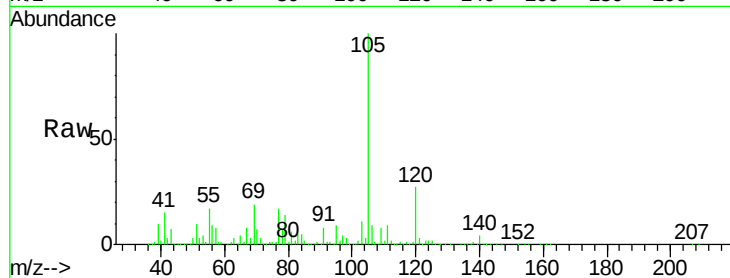
Tot Ion: 75 Resp: 61901

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

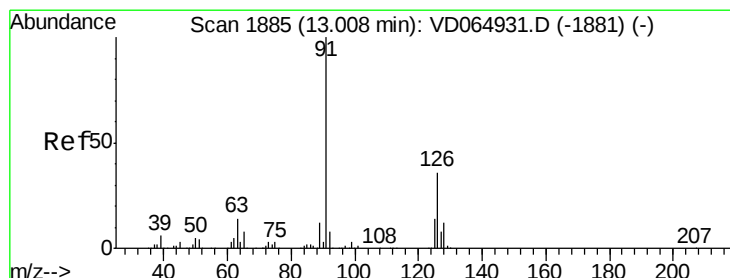
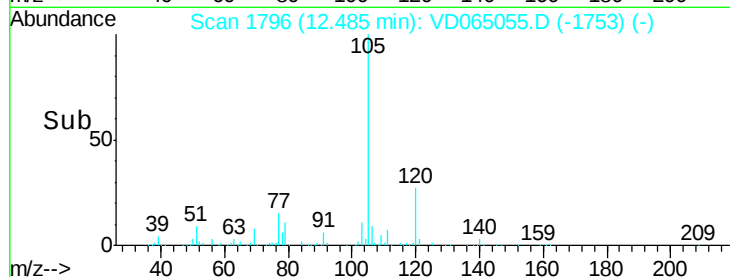
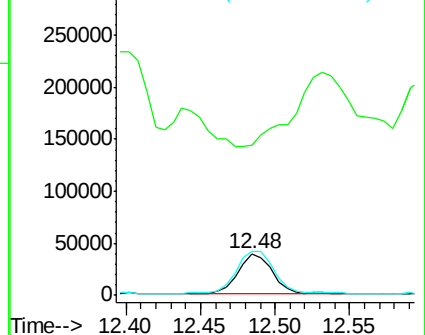
89 117.8 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 557.885 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.19 min

Lab File: VD065055.D

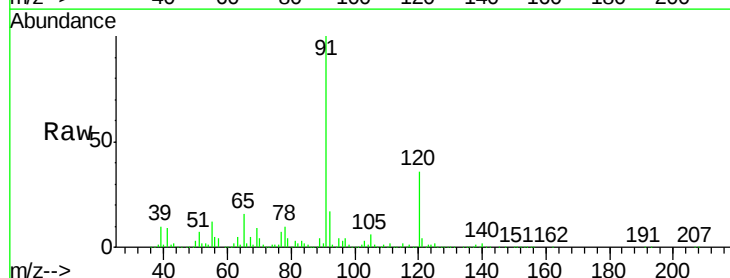
Acq: 03 Feb 2020 15:42

Tgt Ion: 91 Resp: 19111236

Ion Ratio Lower Upper

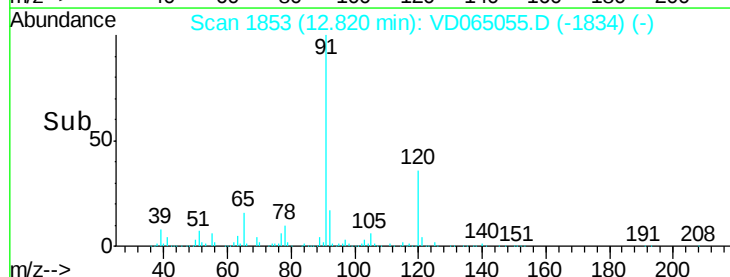
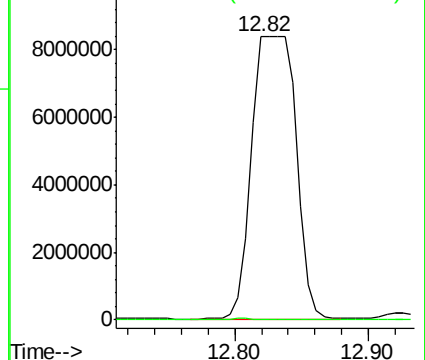
91 100

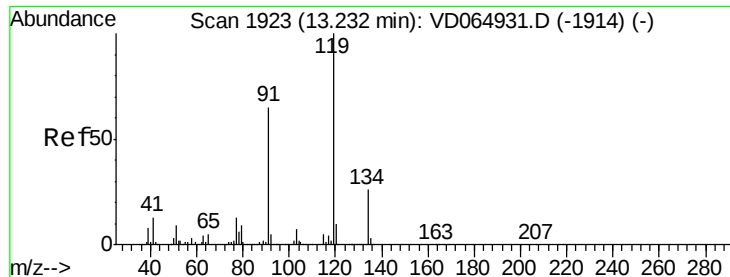
126 0.4 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

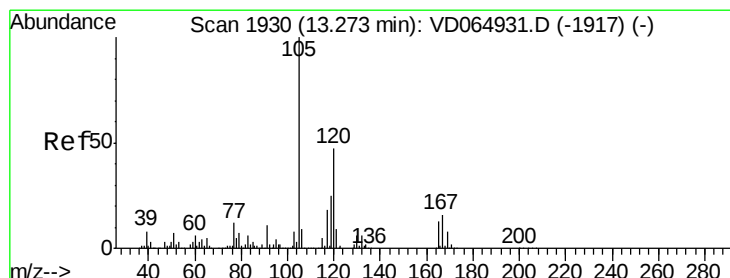
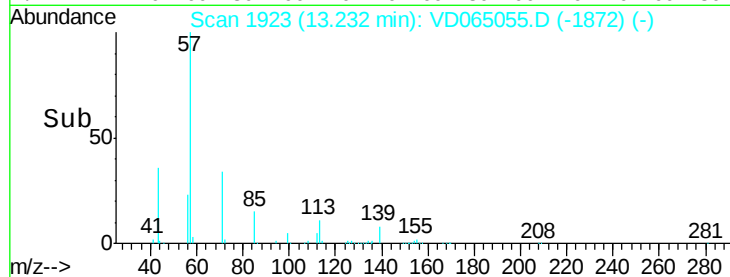
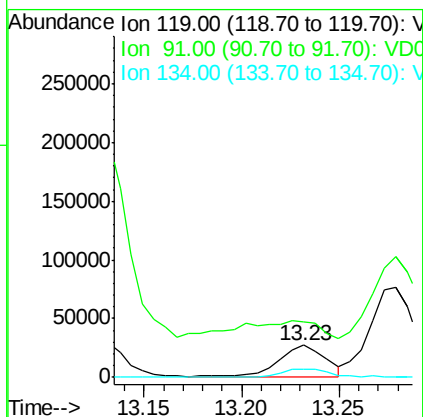
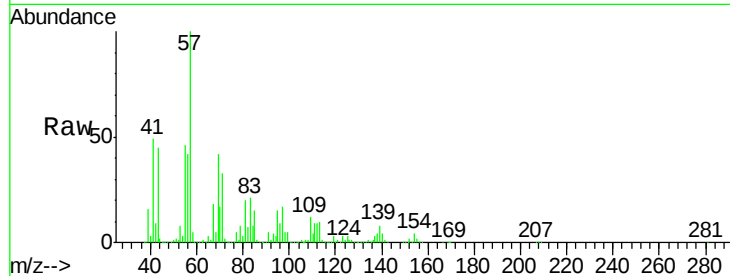




#83
tert-Butylbenzene
Concen: 1.255 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

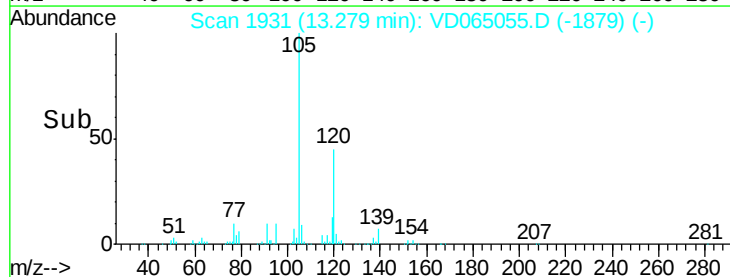
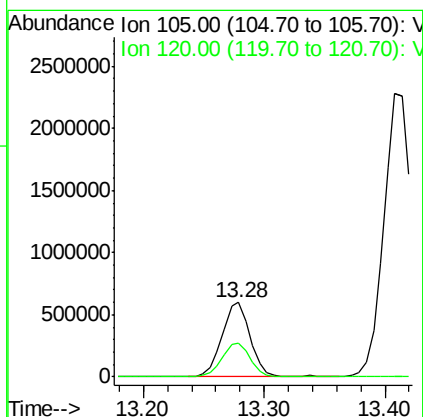
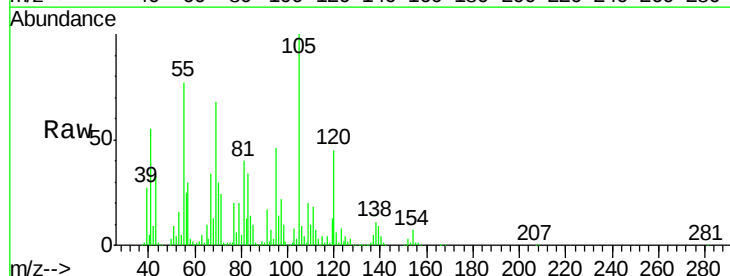
Instrument :
MSVOA_D
ClientSampled :
PD-3-(35-37)

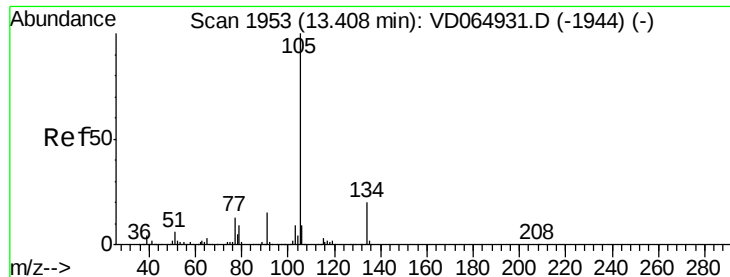
Tot Ion:119 Resp: 43197
Ion Ratio Lower Upper
119 100
91 0.0 32.0 96.0#
134 0.0 13.9 41.6#



#84
1,2,4-Trimethylbenzene
Concen: 23.062 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

Tgt Ion:105 Resp: 947936
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.3

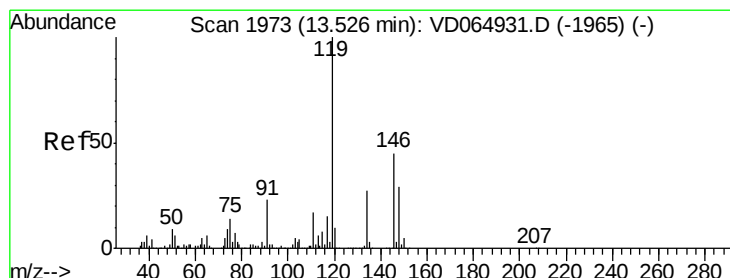
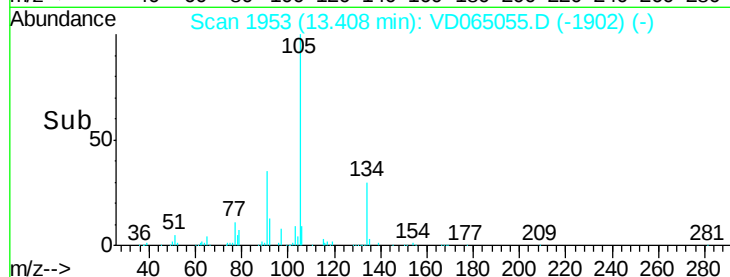
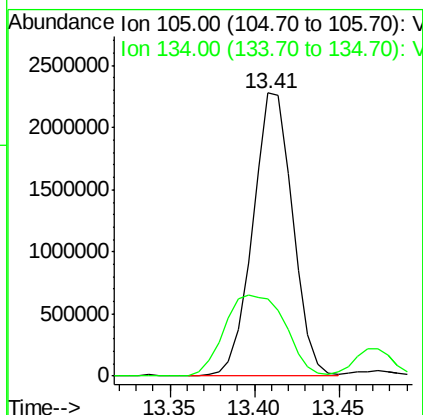
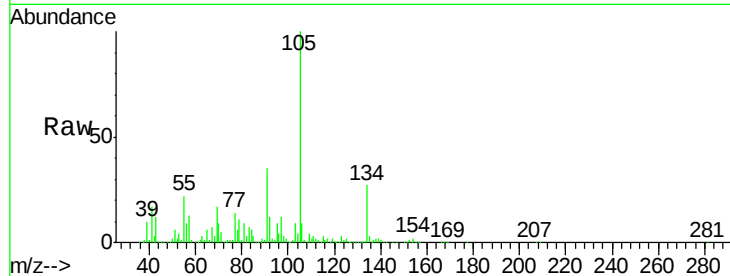




#85
 sec-Butylbenzene
 Concen: 76.398 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065055.D
 Acq: 03 Feb 2020 15:42

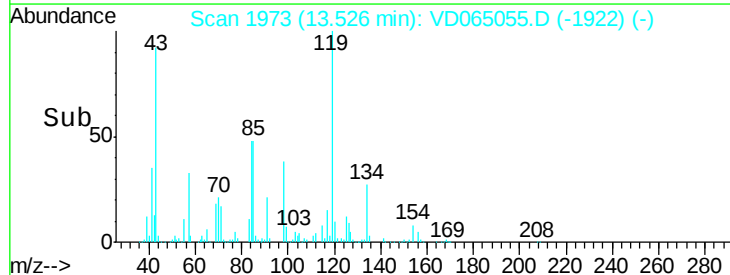
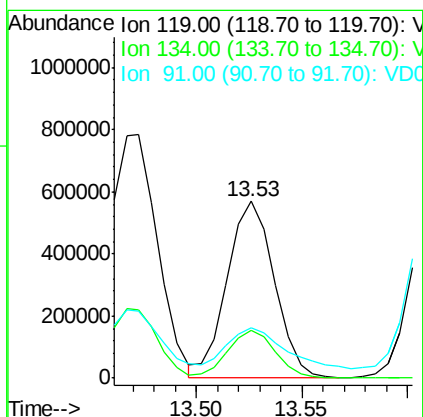
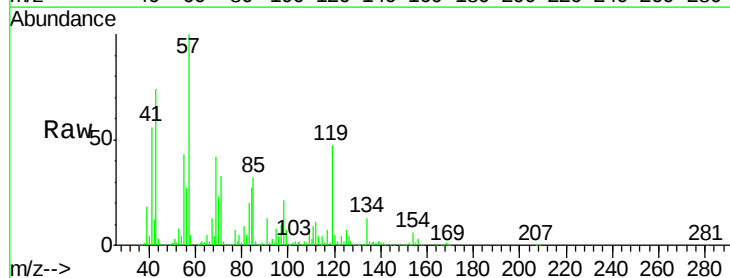
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-3-(35-37)

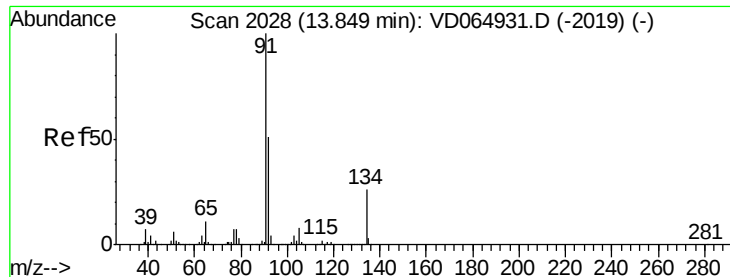
Tot Ion:105 Resp: 3724751
 Ion Ratio Lower Upper
 105 100
 134 43.8 10.4 31.4#



#86
 p-Isopropyltoluene
 Concen: 19.211 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065055.D
 Acq: 03 Feb 2020 15:42

Tgt Ion:119 Resp: 876453
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 26.6 11.4 34.2

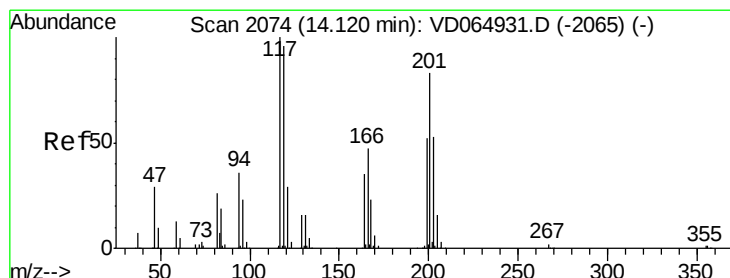
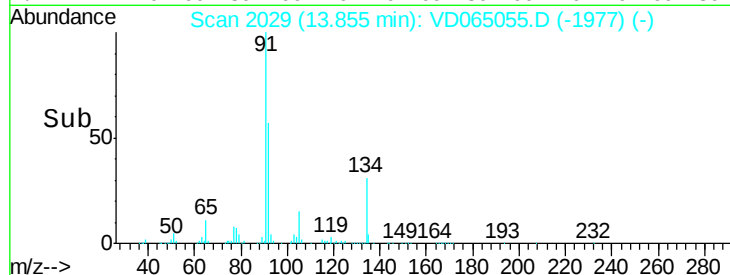
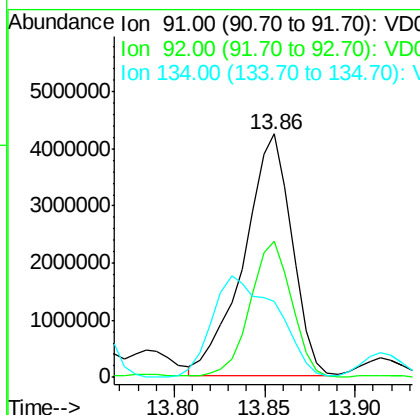
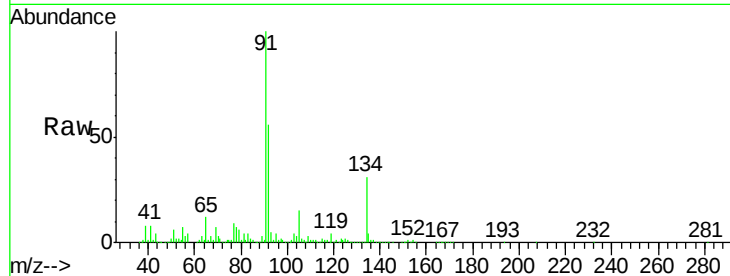




#89
n-Butylbenzene
Concen: 187.348 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

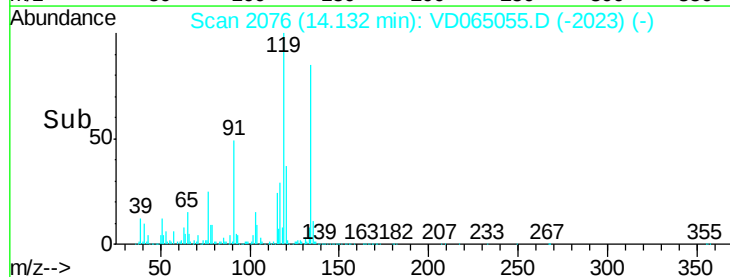
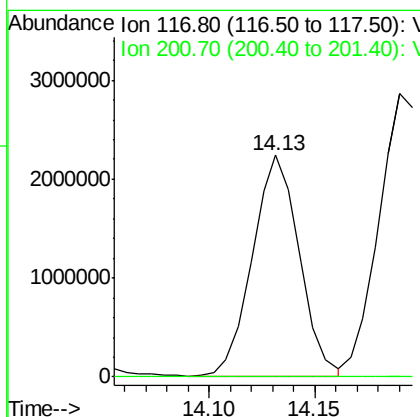
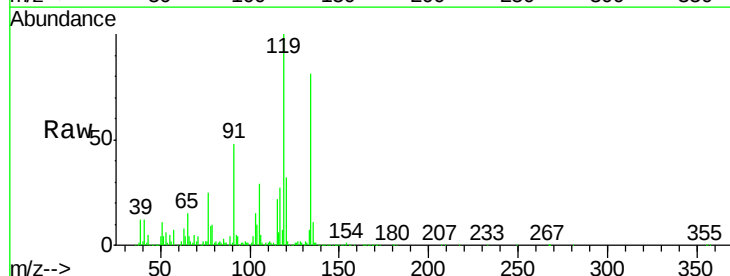
Instrument :
MSVOA_D
ClientSampleId :
PD-3-(35-37)

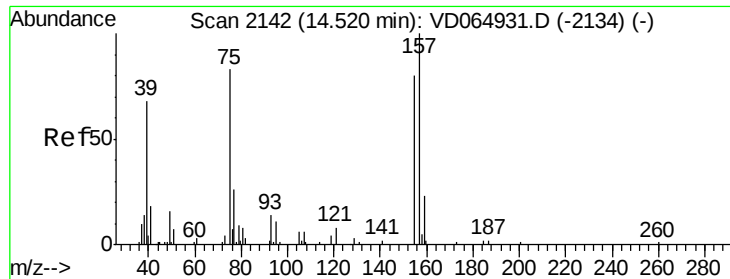
Tot Ion: 91 Resp: 7800250
Ion Ratio Lower Upper
91 100
92 48.3 26.4 79.0
134 0.0 13.3 39.9#



#90
Hexachloroethane
Concen: 390.027 ug/l
RT: 14.13 min Scan# 2076
Delta R.T. 0.01 min
Lab File: VD065055.D
Acq: 03 Feb 2020 15:42

Tgt Ion: 117 Resp: 3431438
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 17.526 ug/l

RT: 14.54 min Scan# 2145

Delta R.T. 0.02 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

PD-3-(35-37)

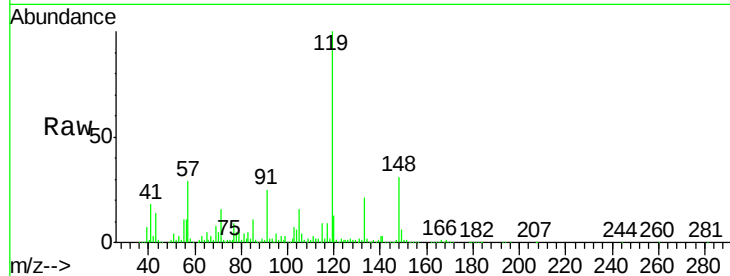
Tot Ion: 75 Resp: 23340

Ion Ratio Lower Upper

75 100

155 35.6 44.9 134.7#

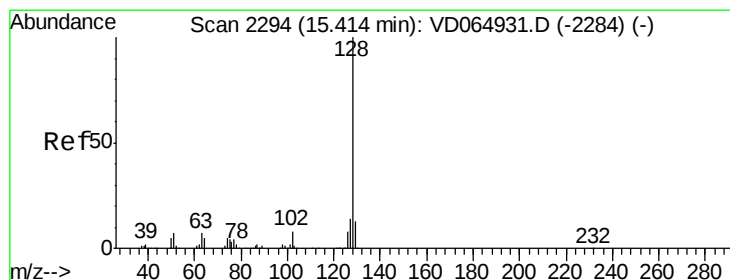
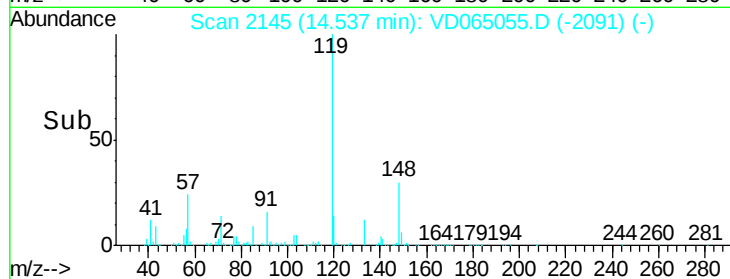
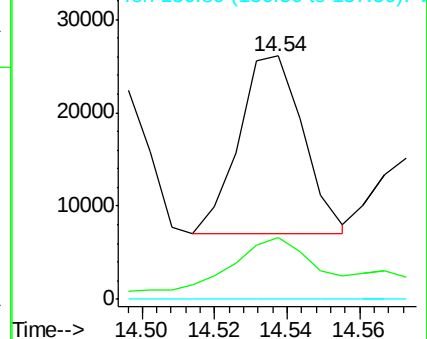
157 0.0 58.9 176.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 146.075 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065055.D

Acq: 03 Feb 2020 15:42

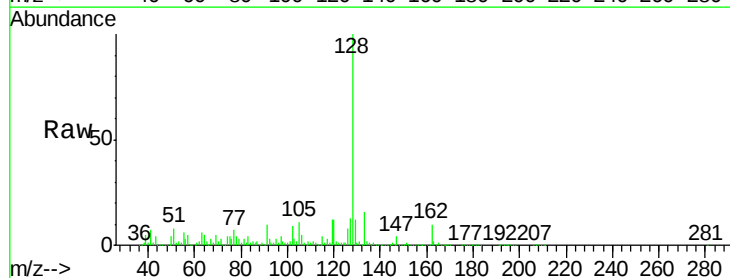
Tgt Ion:128 Resp: 3218387

Ion Ratio Lower Upper

128 100

127 14.2 10.6 15.8

129 9.1 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

