

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065053.D
 Acq On : 03 Feb 2020 14:44
 Operator : VA/SY
 Sample : L1346-02
 Misc : 7.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PD-2-(28-29)

Quant Time: Feb 03 15:04:43 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	633232	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.88	114	1010629	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.66	117	840084	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.58	152	1388766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.37	65	411291	67.71	ug/l	0.03
Spiked Amount			Recovery	=	135.42%	
35) Dibromofluoromethane	7.93	113	254137	40.02	ug/l	0.00
Spiked Amount			Recovery	=	80.04%	
50) Toluene-d8	10.42	98	18113325	738.95	ug/l	0.08
Spiked Amount			Recovery	=	1477.90%	
62) 4-Bromofluorobenzene	12.66	95	11387139	1518.03	ug/l	0.02
Spiked Amount			Recovery	=	3036.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	942	2.806	ug/l #	74
13) Acrolein	4.16	56	963899	2290.732	ug/l #	46
15) Acrylonitrile	5.57	53	7861105	6483.928	ug/l #	41
16) Acetone	4.16	43	5072221	Below Cal	#	55
17) Carbon Disulfide	4.40	76	56340	3.106	ug/l	100
20) Methylene Chloride	5.16	84	2142576	408.644	ug/l #	1
24) 1,1-Dichloroethane	6.38	63	81372	7.564	ug/l #	84
26) 2,2-Dichloropropane	7.10	77	1339218	137.252	ug/l #	53
30) Chloroform	7.74	83	64955323	5841.300	ug/l #	17
32) 1,1,1-Trichloroethane	8.13	97	105226	10.172	ug/l #	24
36) 1,1-Dichloropropene	8.00	75	57659	5.917	ug/l #	42
37) Ethyl Acetate	7.59	43	1066471	264.937	ug/l #	69
38) Carbon Tetrachloride	8.01	117	55565	5.394	ug/l #	16
39) Methylcyclohexane	9.11	83	2536991	222.671	ug/l #	42
40) Benzene	8.38	78	38662	1.440	ug/l #	1
41) Methacrylonitrile	7.73	41	22493749	10373.155	ug/l #	24
42) 1,2-Dichloroethane	8.61	62	526008	65.790	ug/l #	75
45) 1,2-Dichloropropane	9.38	63	2717257	417.613	ug/l #	1
46) Dibromomethane	9.51	93	2190978	616.771	ug/l #	1
49) 1,4-Dioxane	9.47	88	3848	93.399	ug/l #	27
52) Toluene	10.51	92	1720629	99.433	ug/l	93
53) t-1,3-Dichloropropene	10.49	75	10212	1.160	ug/l #	1
54) cis-1,3-Dichloropropene	9.93	75	287502	27.889	ug/l #	1
55) 1,1,2-Trichloroethane	10.71	97	1814047	379.109	ug/l #	17
56) Ethyl methacrylate	10.64	69	476962	83.355	ug/l #	22
57) 1,3-Dichloropropane	10.98	76	111715	13.612	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	4221932	2220.909	ug/l #	46
59) 2-Hexanone	10.88	43	2870268	1087.621	ug/l #	40
60) Dibromochloromethane	11.03	129	3352464	524.196	ug/l #	11
61) 1,2-Dibromoethane	11.37	107	2035719	441.831	ug/l	90
64) Tetrachloroethene	10.94	164	10138	1.670	ug/l #	1
65) Chlorobenzene	11.64	112	1492914	87.526	ug/l #	53
67) Ethyl Benzene	11.79	91	23753117	784.405	ug/l #	56
68) m/p-Xylenes	11.90	106	7800430	669.042	ug/l	84

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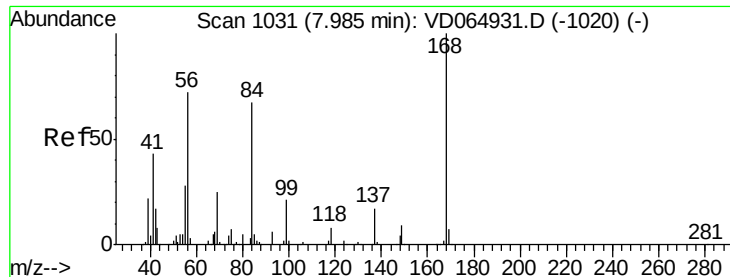
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	12.23	106	78805	7.616	ug/l #	1
70) Styrene	12.14	104	43234	2.345	ug/l #	1
73) Isopropylbenzene	12.37	105	452147	4.763	ug/l #	48
74) N-amyl acetate	12.42	43	11227501	528.596	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.68	83	6067226	380.308	ug/l #	26
76) 1,2,3-Trichloropropane	12.86	75	1943250	168.584	ug/l #	100
77) Bromobenzene	12.77	156	185732	7.997	ug/l #	1
78) n-propylbenzene	12.94	91	16324025	144.609	ug/l	89
79) 2-Chlorotoluene	12.81	91	3029452	48.920	ug/l	88
80) 1,3,5-Trimethylbenzene	12.92	105	3155018	40.560	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.51	75	1284704	237.978	ug/l #	1
82) 4-Chlorotoluene	12.81	91	3029452	46.129	ug/l	88
83) tert-Butylbenzene	13.29	119	17513178	265.304	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.47	105	1310556	16.632	ug/l #	1
85) sec-Butylbenzene	13.47	105	1310556	14.022	ug/l #	1
86) p-Isopropyltoluene	13.68	119	6541354	74.791	ug/l	91
89) n-Butylbenzene	13.98	91	11074931	138.751	ug/l	85
90) Hexachloroethane	14.15	117	18828632	1116.329	ug/l #	8
91) 1,2-Dichlorobenzene	13.94	146	70065	1.852	ug/l #	48
92) 1,2-Dibromo-3-Chloropropan	14.50	75	589024	230.713	ug/l #	1
95) Naphthalene	15.41	128	8298922	196.477	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.02 min

Lab File: VD065053.D

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Instrument :

MSVOA_D

ClientSampleId :

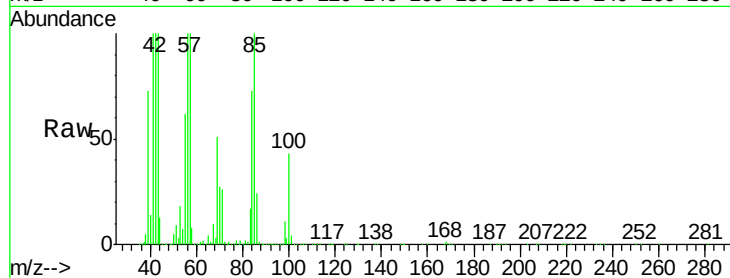
PD-2-(28-29)

Tot Ion:168 Resp: 633232

Ion Ratio Lower Upper

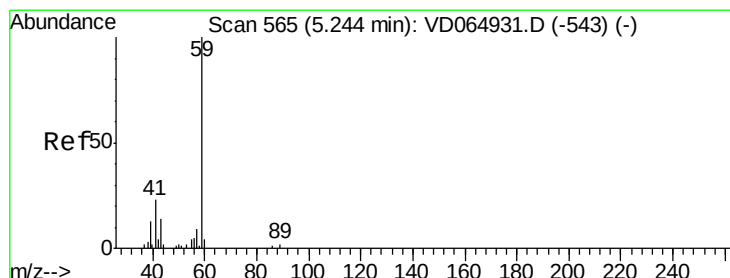
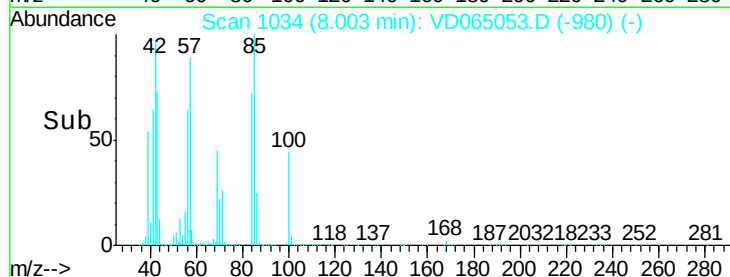
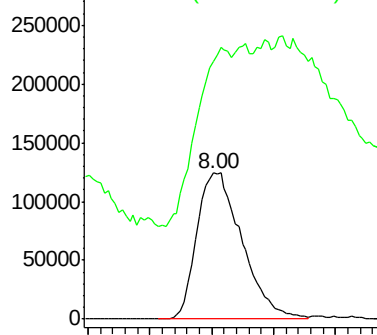
168 100

99 113.1 43.3 64.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 2.806 ug/l

RT: 5.20 min Scan# 558

Delta R.T. -0.04 min

Lab File: VD065053.D

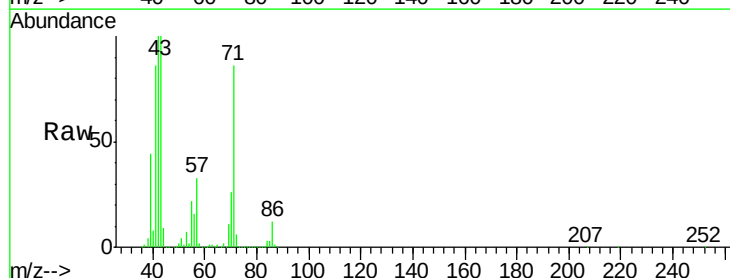
Acq: 03 Feb 2020 14:44

Tgt Ion: 59 Resp: 942

Ion Ratio Lower Upper

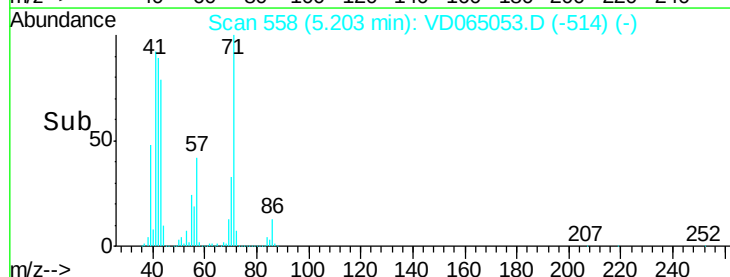
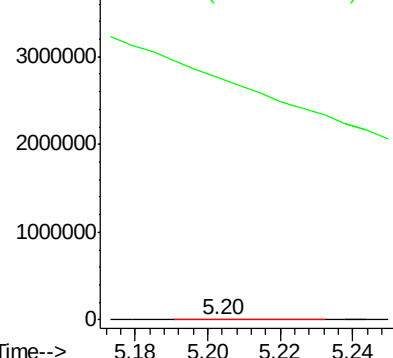
59 100

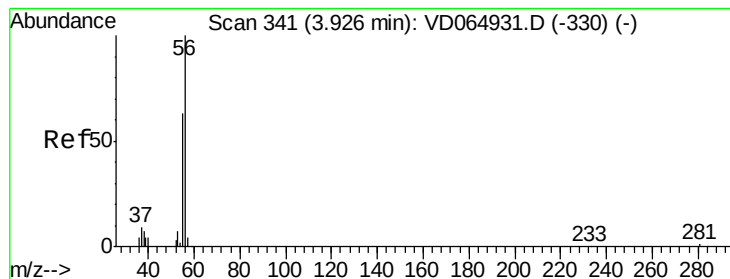
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 2290.732 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.24 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

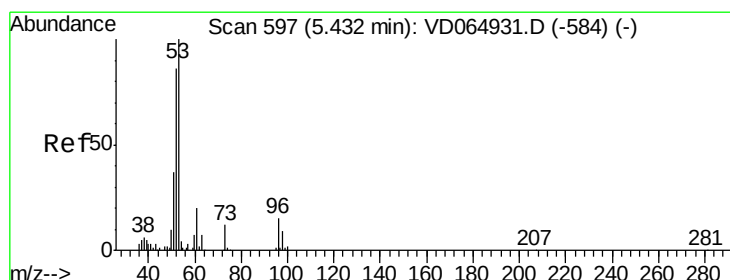
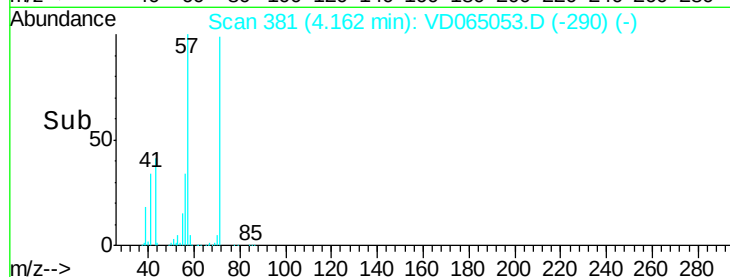
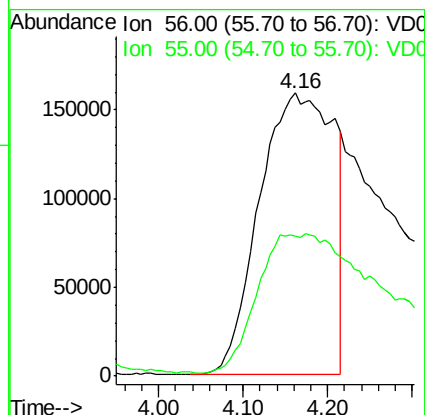
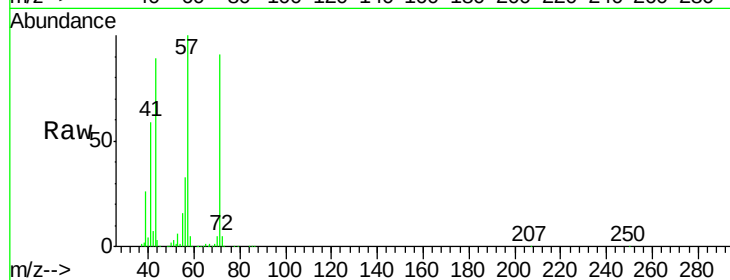
PD-2-(28-29)

Tot Ion: 56 Resp: 963899

Ion Ratio Lower Upper

56 100

55 28.9 59.7 89.5#



#15

Acrylonitrile

Concen: 6483.928 ug/l

RT: 5.57 min Scan# 620

Delta R.T. 0.14 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

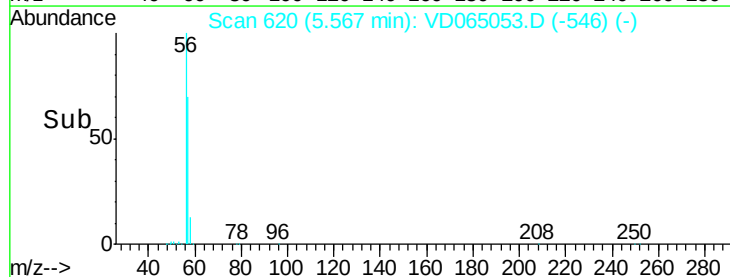
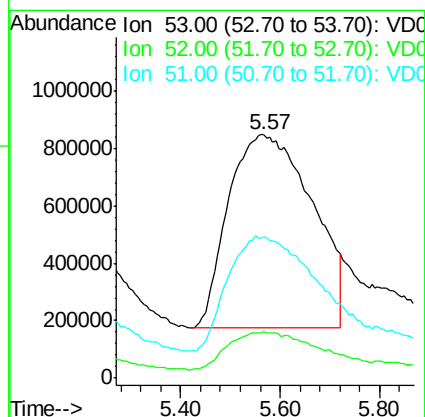
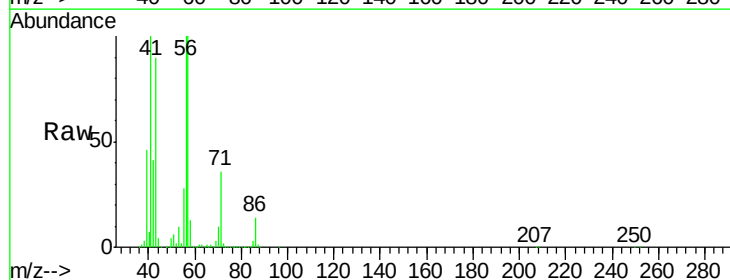
Tgt Ion: 53 Resp: 7861105

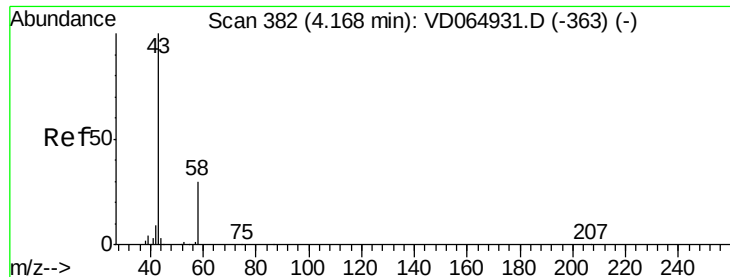
Ion Ratio Lower Upper

53 100

52 19.5 66.7 100.1#

51 59.8 31.1 46.7#

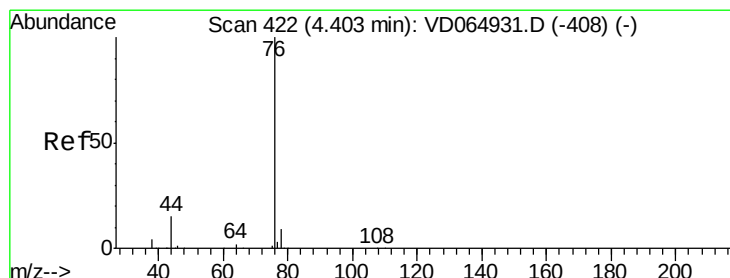
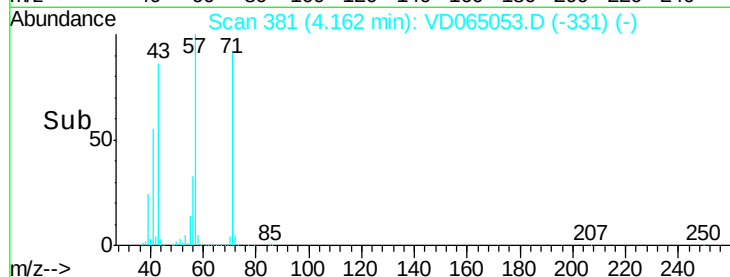
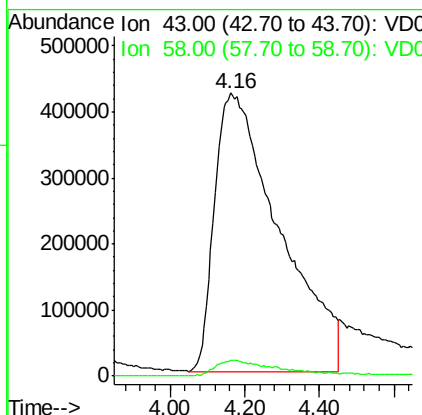
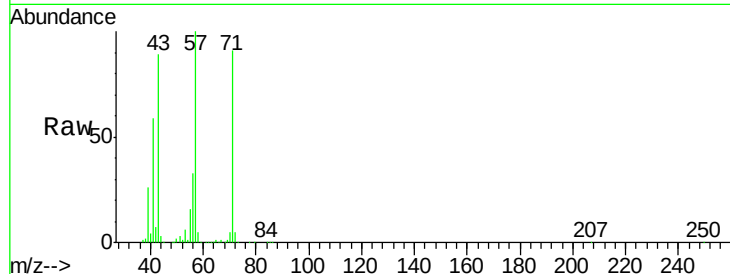




#16
Acetone
Concen: Below Cal
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

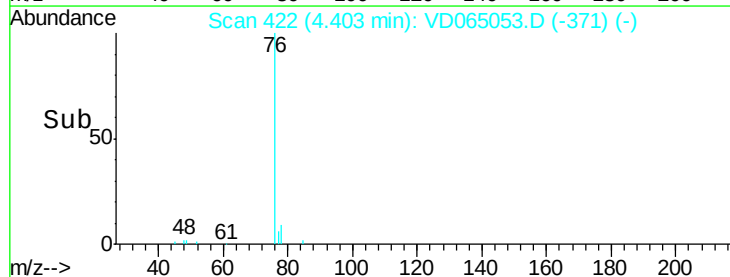
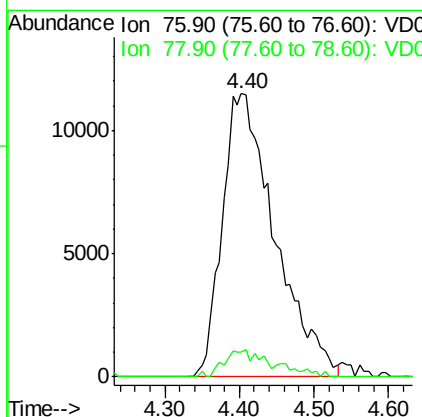
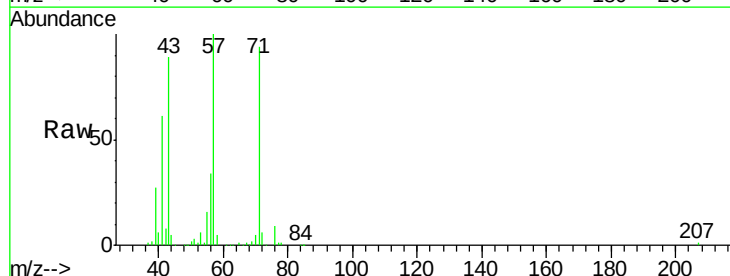
Instrument :
MSVOA_D
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PD-2-(28-29)

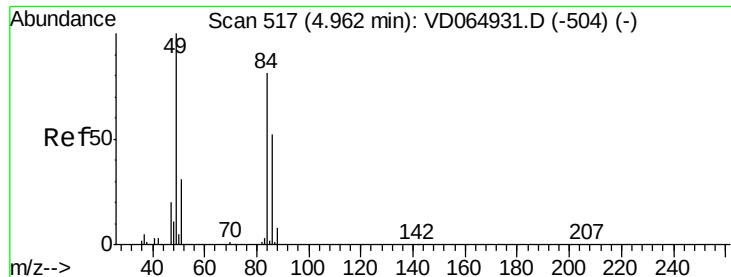
Tot Ion: 43 Resp: 5072221
Ion Ratio Lower Upper
43 100
58 5.6 23.8 35.8#



#17
Carbon Disulfide
Concen: 3.106 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion: 76 Resp: 56340
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

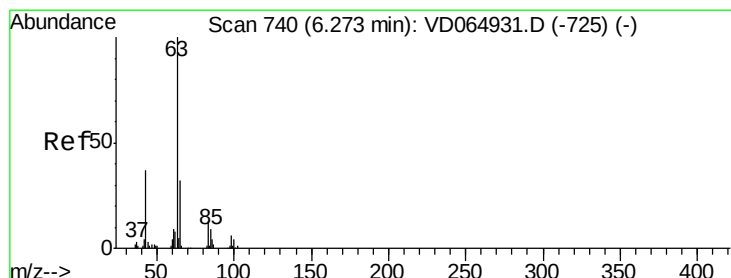
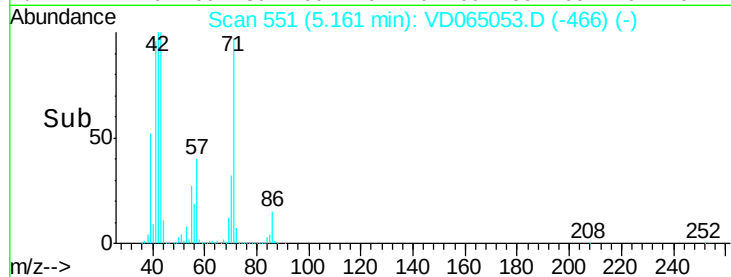
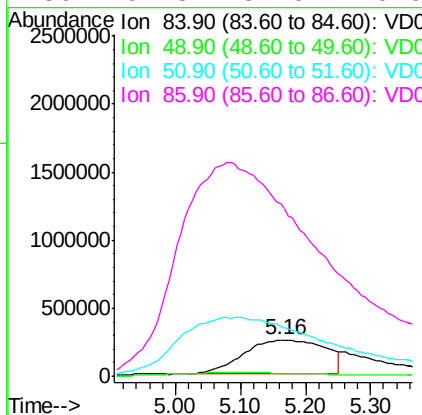
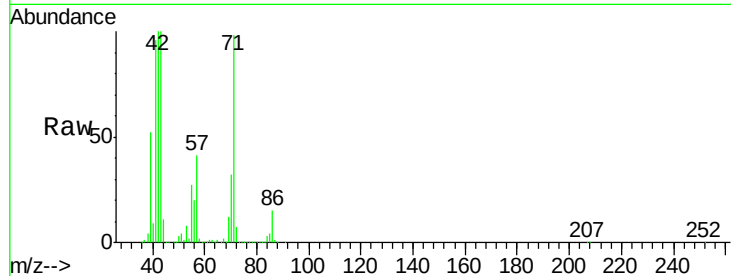




#20
Methylene Chloride
Concen: 408.644 ug/l
RT: 5.16 min Scan# 551
Delta R.T. 0.20 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

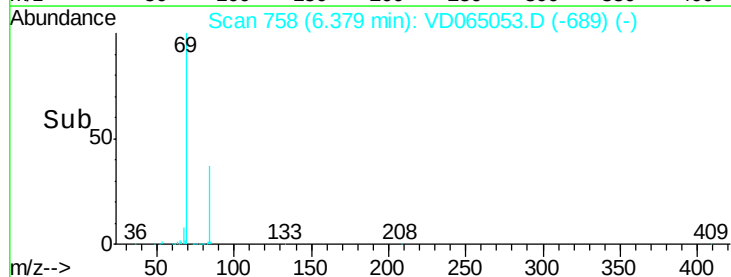
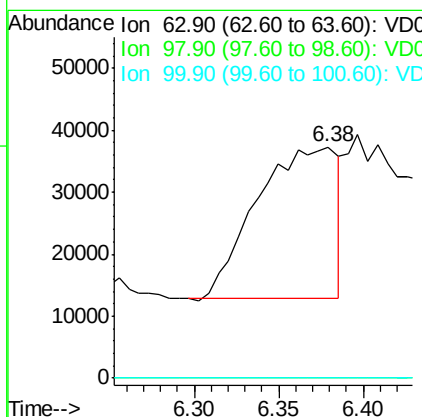
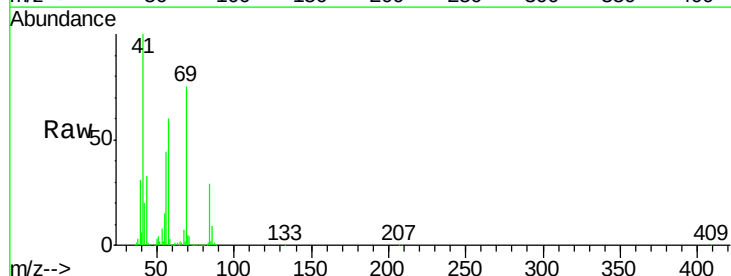
Instrument :
MSVOA_D
ClientSampleId :
PD-2-(28-29)

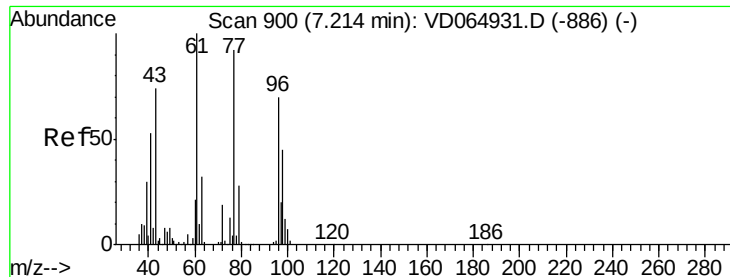
Tot Ion: 84 Resp: 2142576
Ion Ratio Lower Upper
84 100
49 3.7 98.4 147.6#
51 55.8 30.8 46.2#
86 207.8 51.0 76.6#



#24
1,1-Dichloroethane
Concen: 7.564 ug/l
RT: 6.38 min Scan# 758
Delta R.T. 0.11 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion: 63 Resp: 81372
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.3#
100 0.0 2.3 6.8#

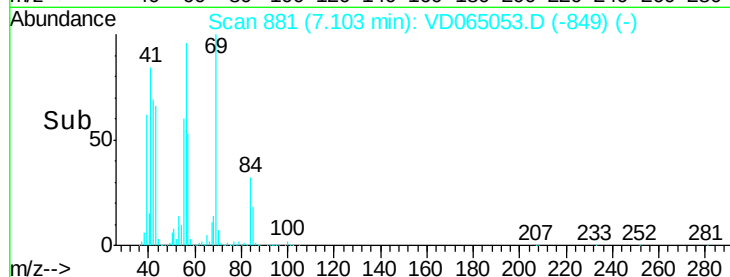
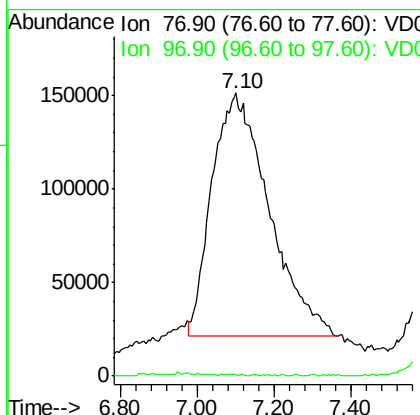
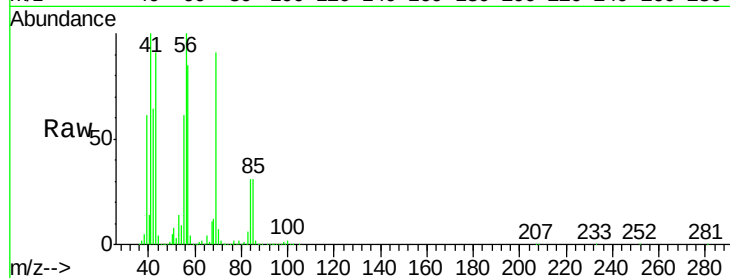




#26
 2,2-Dichloropropane
 Concen: 137.252 ug/l
 RT: 7.10 min Scan# 881
 Delta R.T. -0.11 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

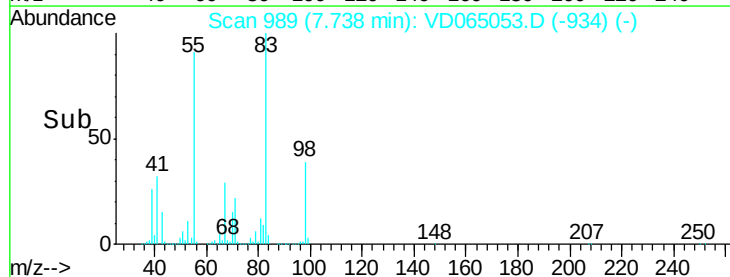
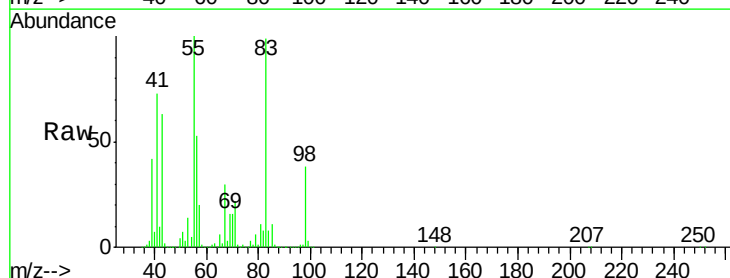
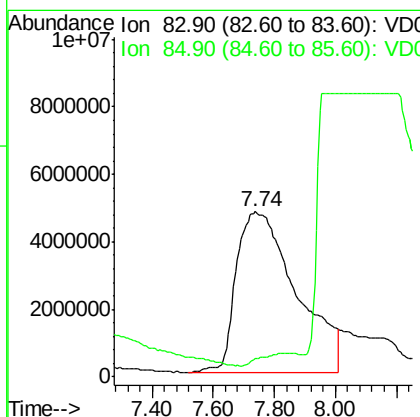
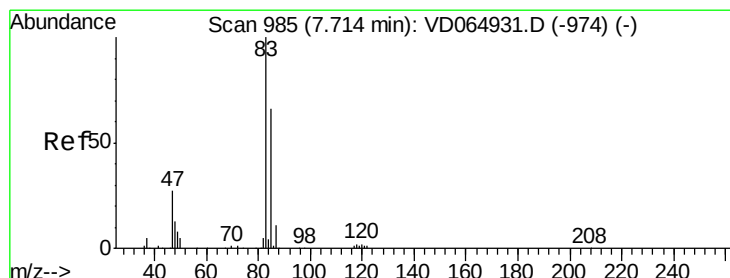
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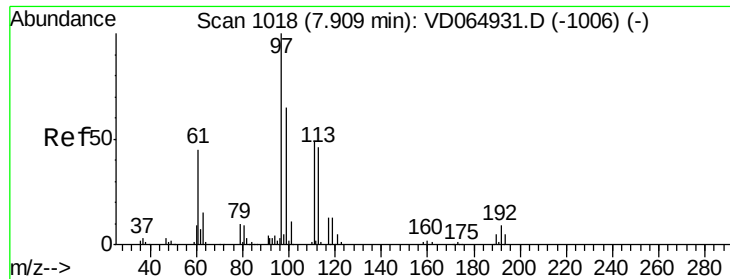
Tot Ion: 77 Resp: 1339218
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#30
 Chloroform
 Concen: 5841.300 ug/l
 RT: 7.74 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Tgt Ion: 83 Resp: 64955323
 Ion Ratio Lower Upper
 83 100
 85 0.0 52.4 78.6#

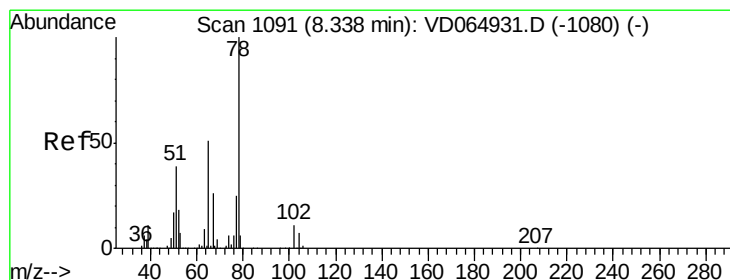
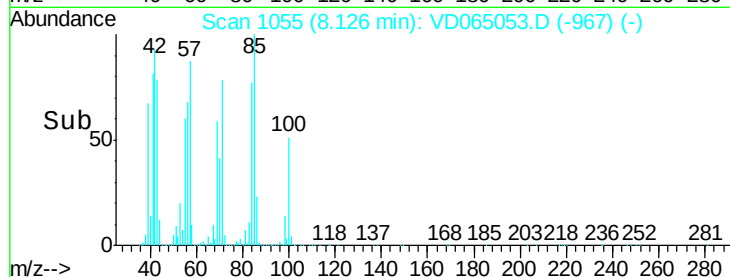
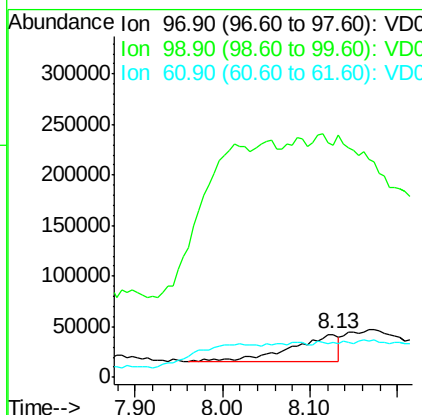
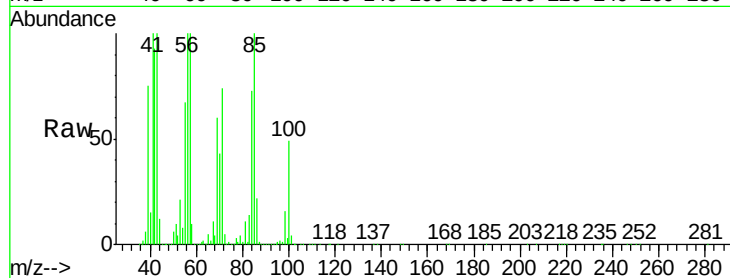




#32
 1,1,1-Trichloroethane
 Concen: 10.172 ug/l
 RT: 8.13 min Scan# 1055
 Delta R.T. 0.22 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

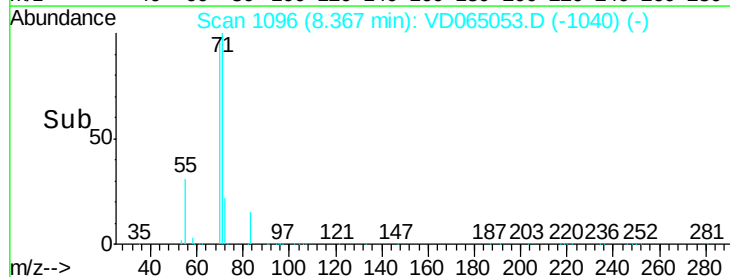
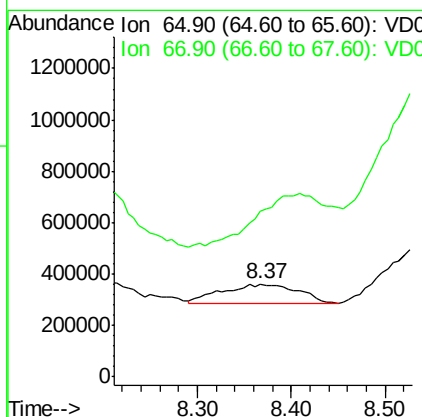
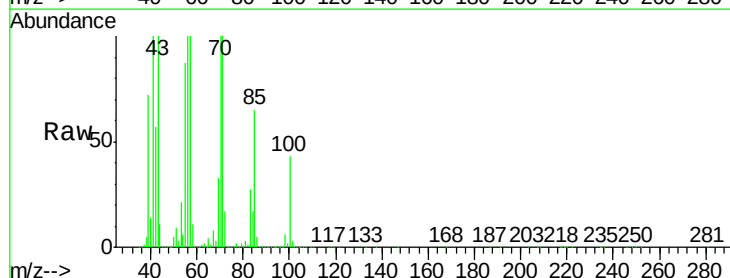
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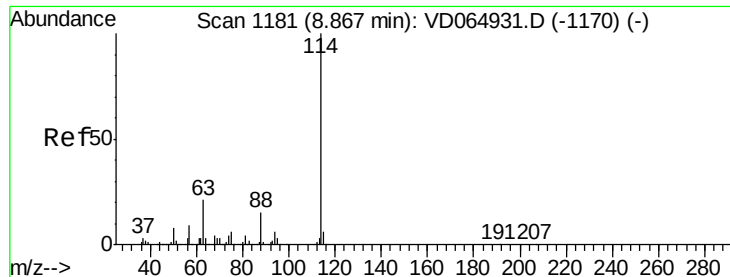
Tot Ion: 97 Resp: 105226
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.6 76.0#
 61 0.0 35.7 53.5#



#33
 1,2-Dichloroethane-d4
 Concen: 67.713 ug/l
 RT: 8.37 min Scan# 1096
 Delta R.T. 0.03 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Tgt Ion: 65 Resp: 411291
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.02 min

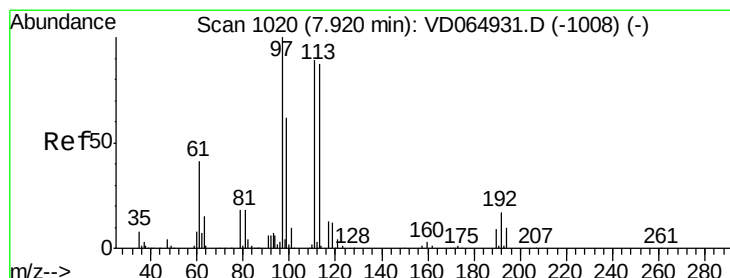
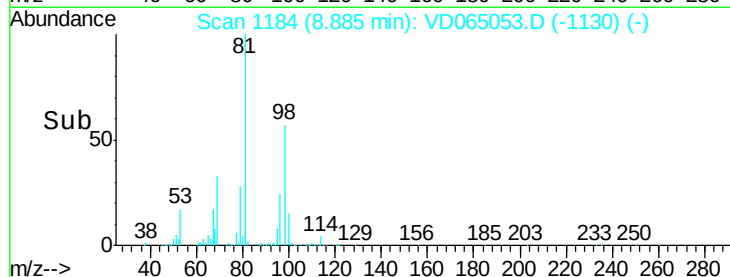
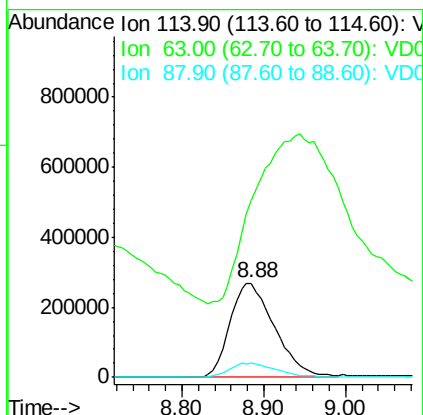
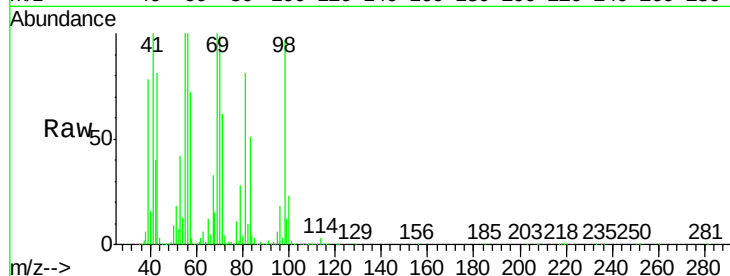
Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :
MSVOA_D
ClientSampleId :
PD-2-(28-29)

Tot Ion:114 Resp: 1010629

Ion	Ratio	Lower	Upper
114	100		
63	99.1	0.0	42.0#
88	15.8	0.0	29.4



#35

Dibromofluoromethane

Concen: 40.016 ug/l

RT: 7.93 min Scan# 1021

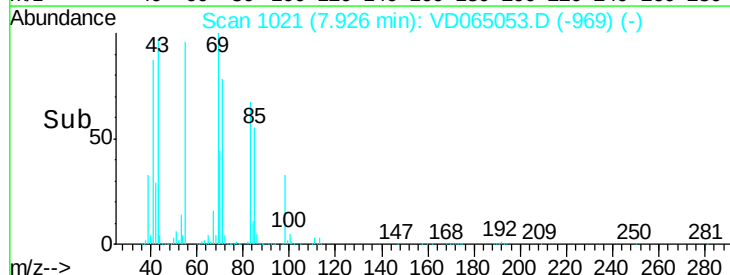
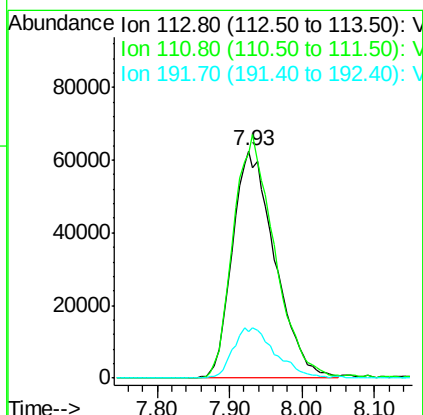
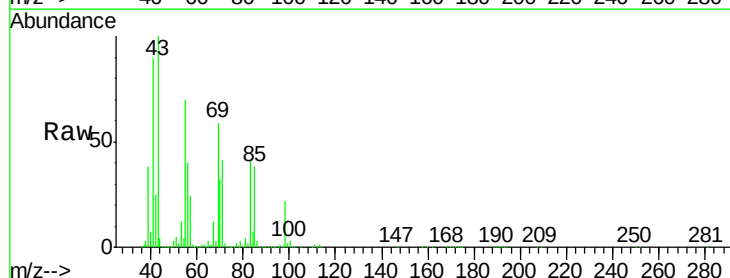
Delta R.T. 0.01 min

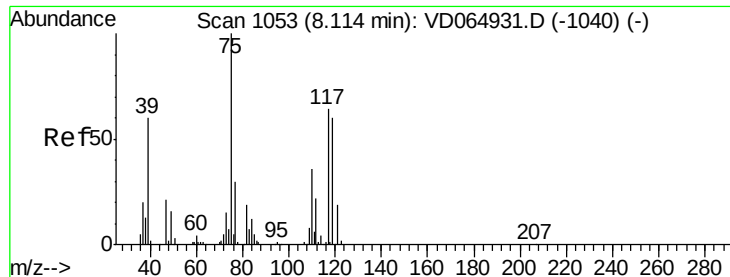
Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Tgt Ion:113 Resp: 254137

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.4	123.6
192	22.0	16.9	25.3

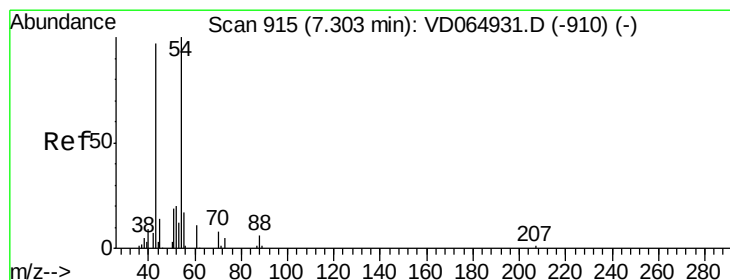
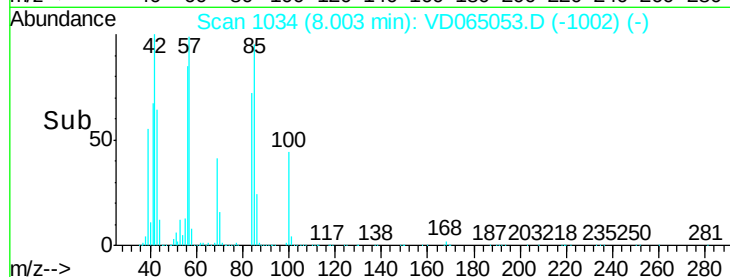
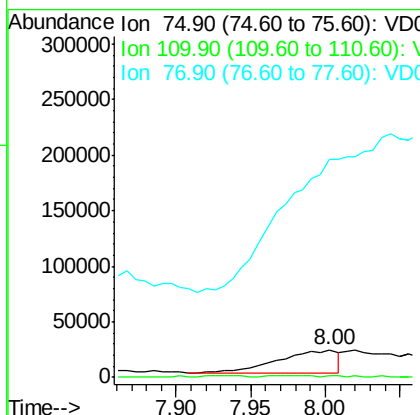
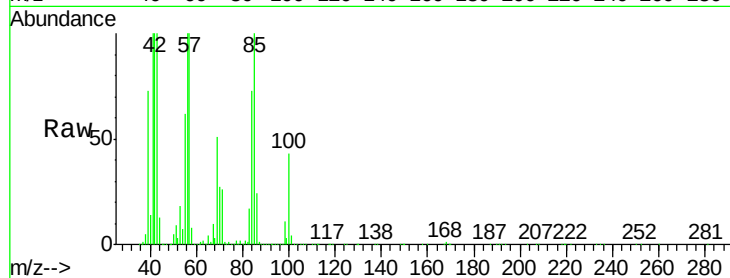




#36
 1,1-Dichloropropene
 Concen: 5.917 ug/l
 RT: 8.00 min Scan# 1034
 Delta R.T. -0.11 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

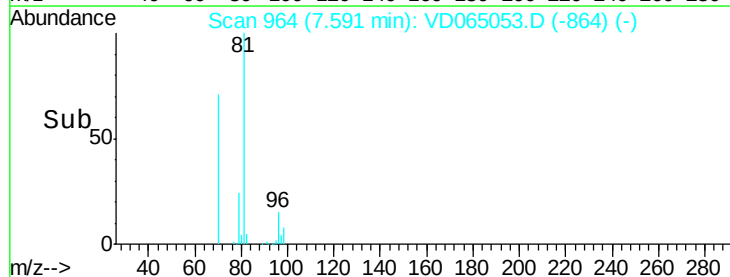
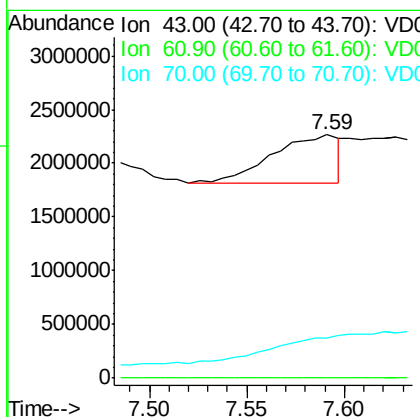
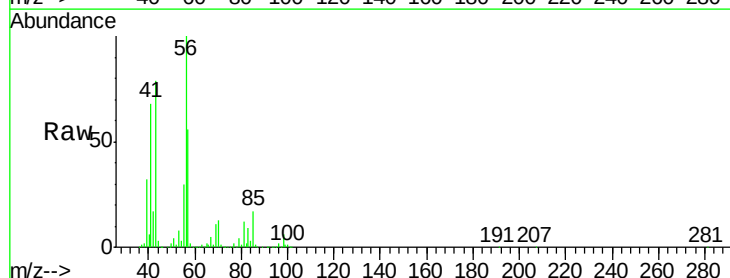
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-2-(28-29)

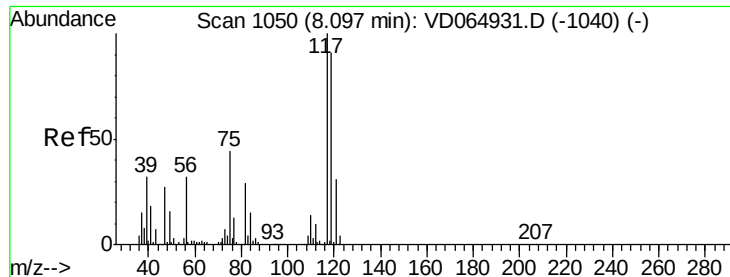
Tot Ion: 75 Resp: 57659
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.3 52.0#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 264.937 ug/l
 RT: 7.59 min Scan# 964
 Delta R.T. 0.29 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Tgt Ion: 43 Resp: 1066471
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.4#
 70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 5.394 ug/l

RT: 8.01 min Scan# 1036

Delta R.T. -0.08 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

PD-2-(28-29)

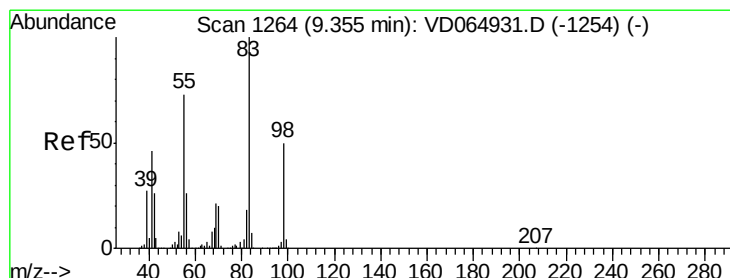
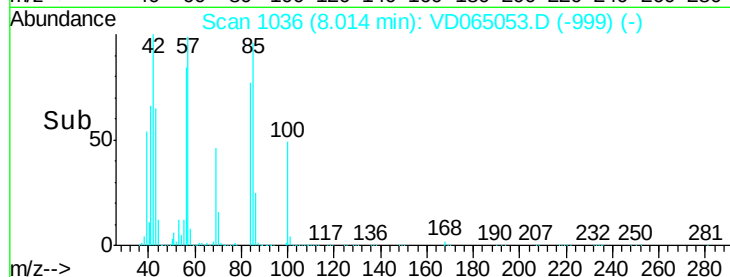
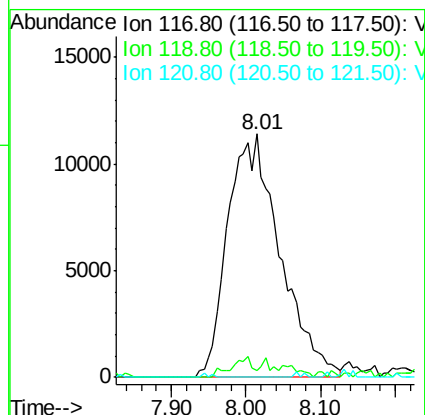
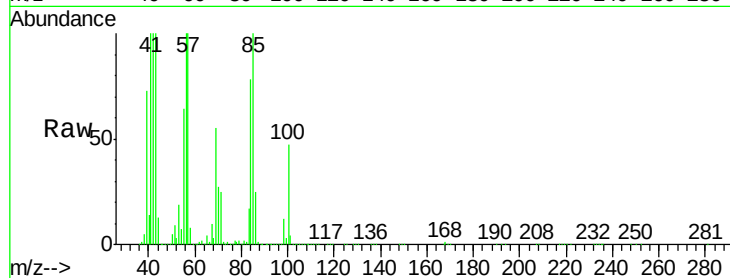
Tot Ion:117 Resp: 55565

Ion Ratio Lower Upper

117 100

119 2.9 73.2 109.8#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 222.671 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.24 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

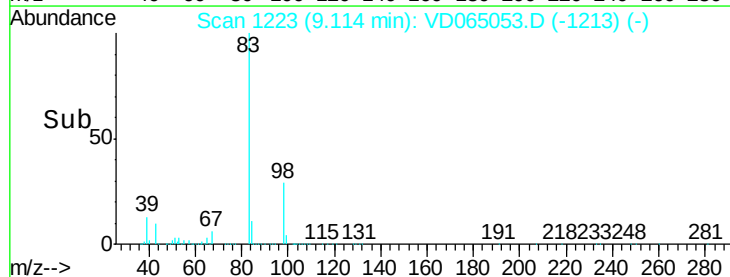
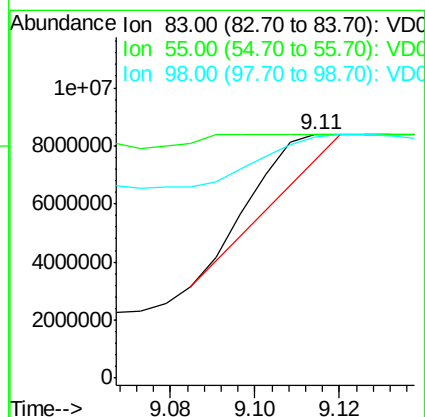
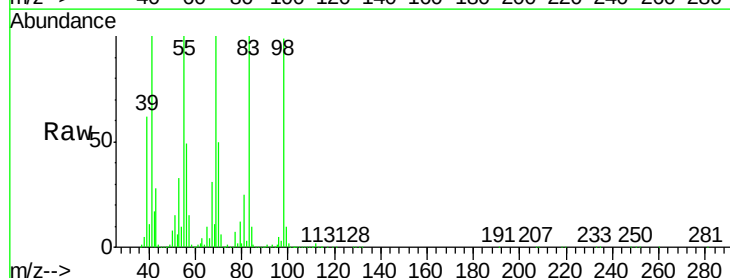
Tgt Ion: 83 Resp: 2536991

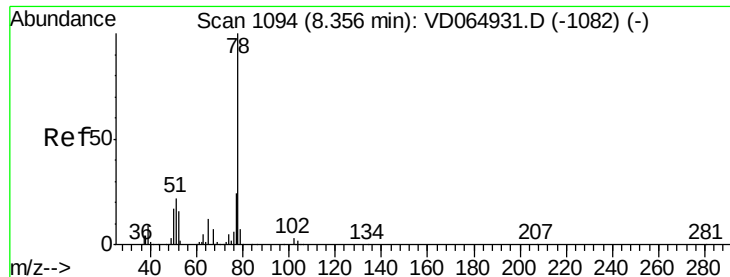
Ion Ratio Lower Upper

83 100

55 5.7 58.7 88.1#

98 32.8 40.2 60.2#





#40

Benzene

Concen: 1.440 ug/l

RT: 8.38 min Scan# 1099

Delta R.T. 0.03 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

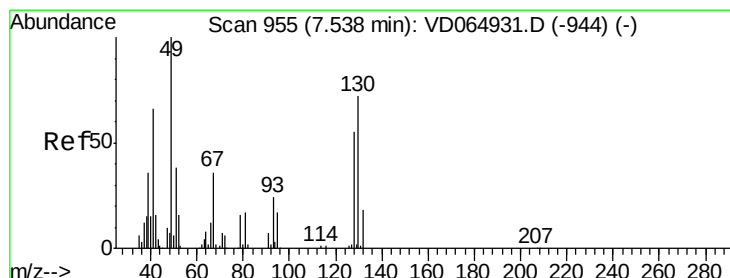
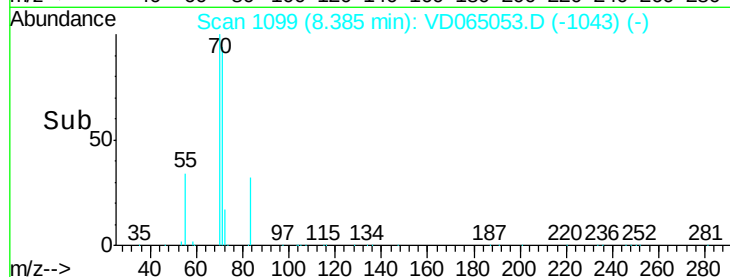
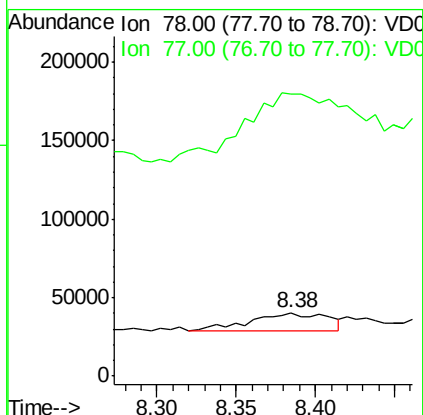
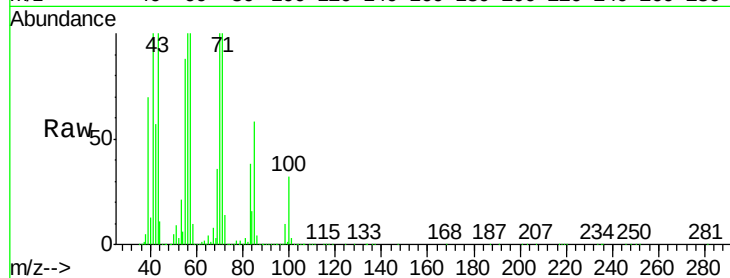
PD-2-(28-29)

Tot Ion: 78 Resp: 38662

Ion Ratio Lower Upper

78 100

77 299.9 19.2 28.8#



#41

Methacrylonitrile

Concen: 10373.155 ug/l

RT: 7.73 min Scan# 987

Delta R.T. 0.19 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Tgt Ion: 41 Resp: 22493749

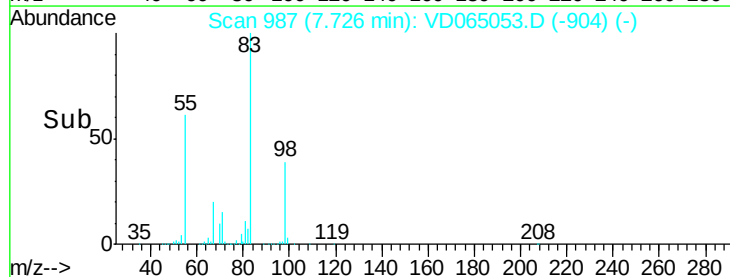
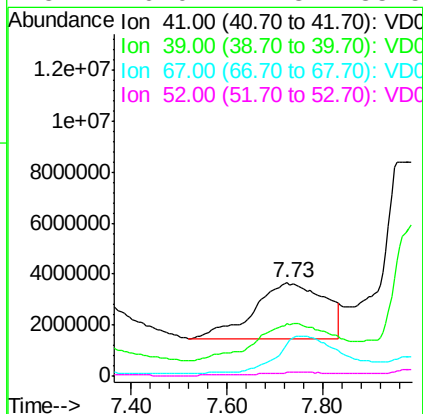
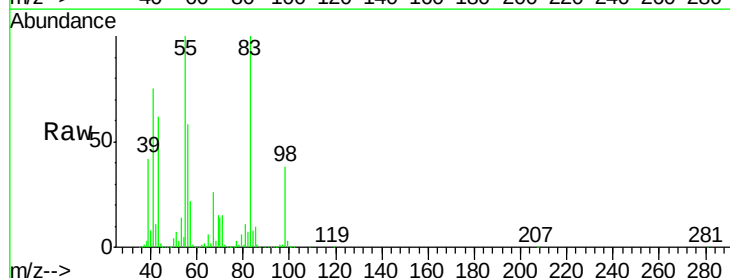
Ion Ratio Lower Upper

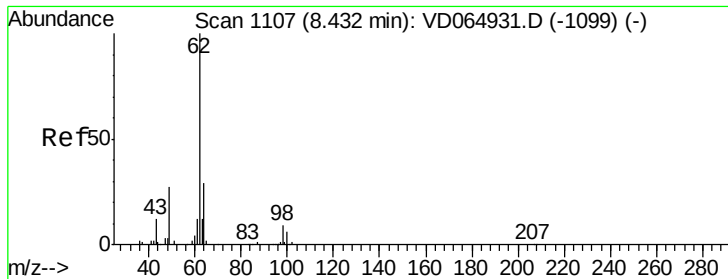
41 100

39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#





#42

1,2-Dichloroethane

Concen: 65.790 ug/l

RT: 8.61 min Scan# 1137

Delta R.T. 0.18 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

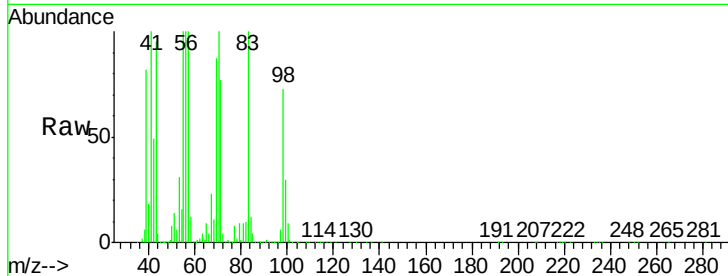
PD-2-(28-29)

Tot Ion: 62 Resp: 526008

Ion Ratio Lower Upper

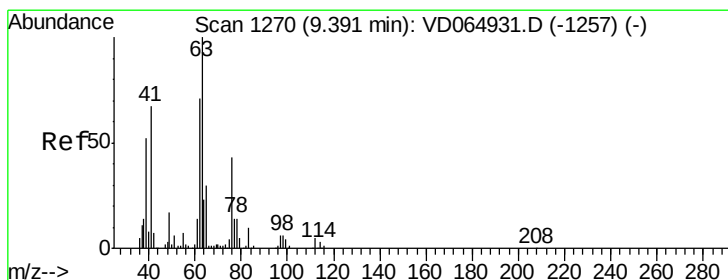
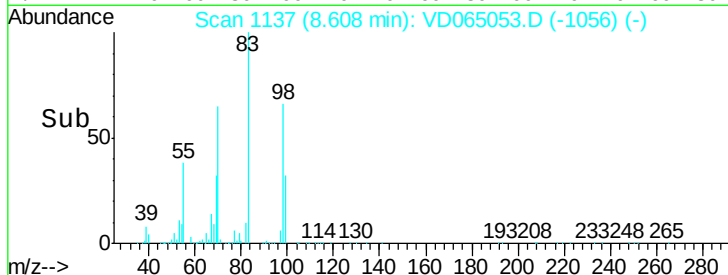
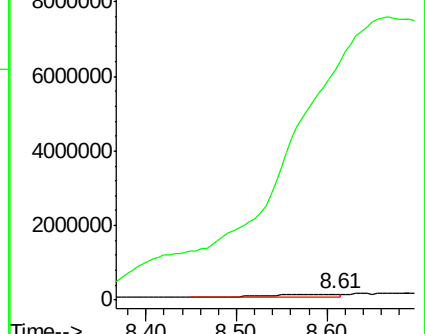
62 100

98 0.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#45

1,2-Dichloropropane

Concen: 417.613 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065053.D

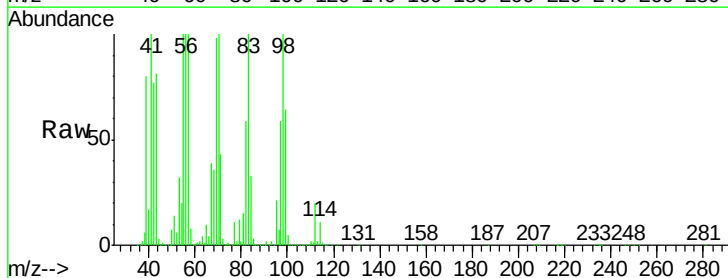
Acq: 03 Feb 2020 14:44

Tgt Ion: 63 Resp: 2717257

Ion Ratio Lower Upper

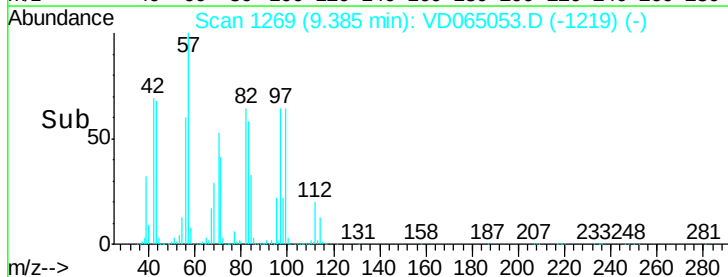
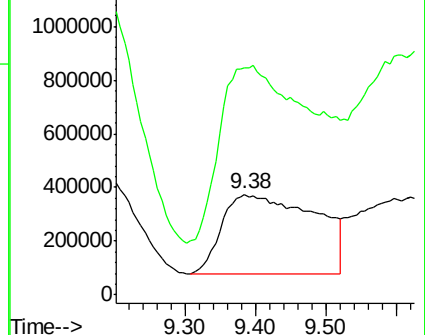
63 100

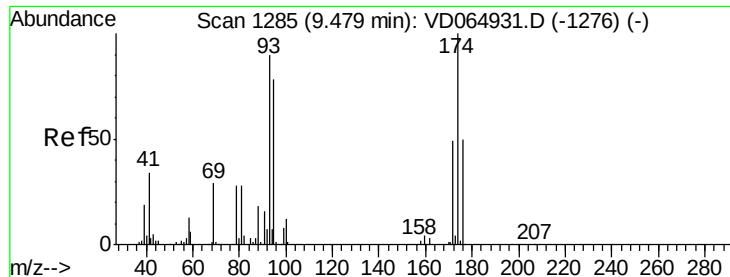
65 217.1 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#46

Dibromomethane

Concen: 616.771 ug/l

RT: 9.51 min Scan# 1290

Delta R.T. 0.03 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

PD-2-(28-29)

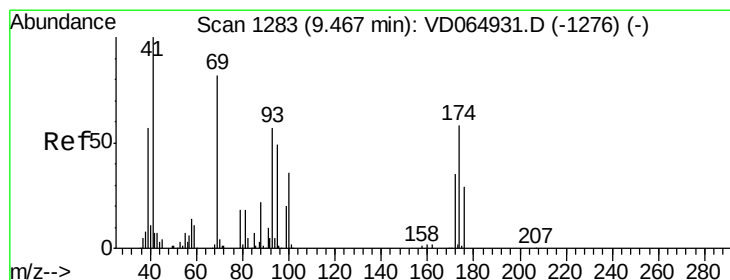
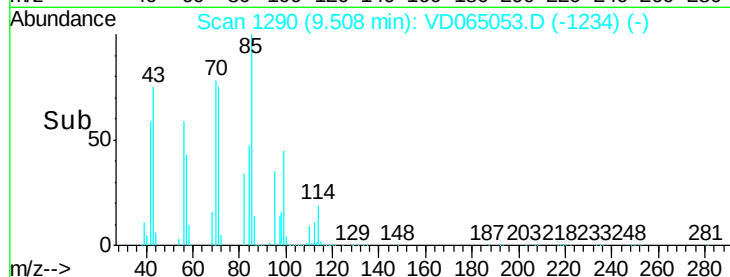
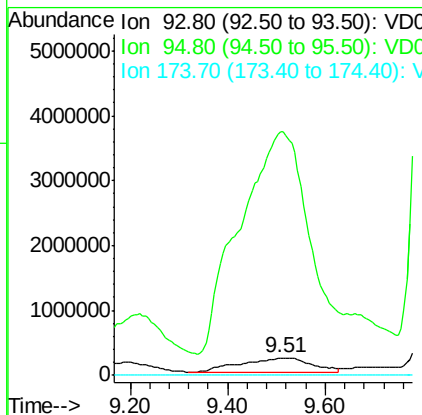
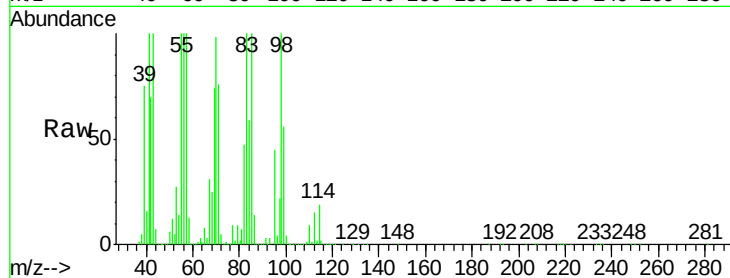
Tot Ion: 93 Resp: 2190978

Ion Ratio Lower Upper

93 100

95 1549.4 67.5 101.3#

174 0.0 88.4 132.6#



#49

1,4-Dioxane

Concen: 93.399 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

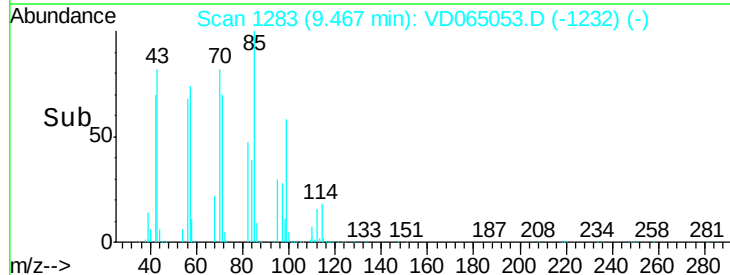
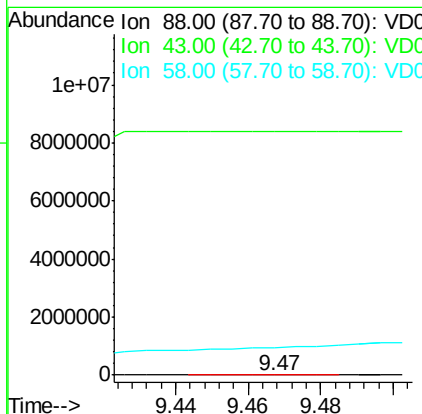
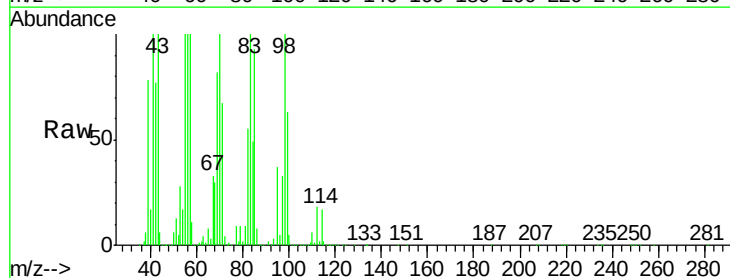
Tgt Ion: 88 Resp: 3848

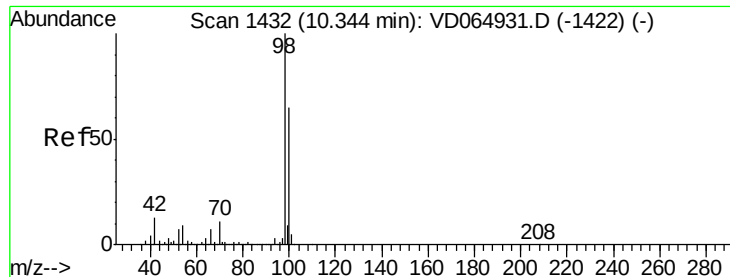
Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.4#

58 0.0 50.3 75.5#





#50

Toluene-d8

Concen: 738.951 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.08 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

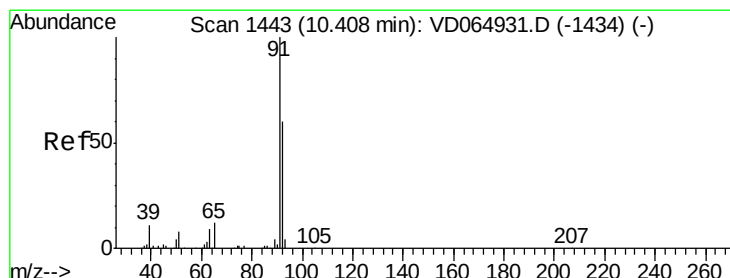
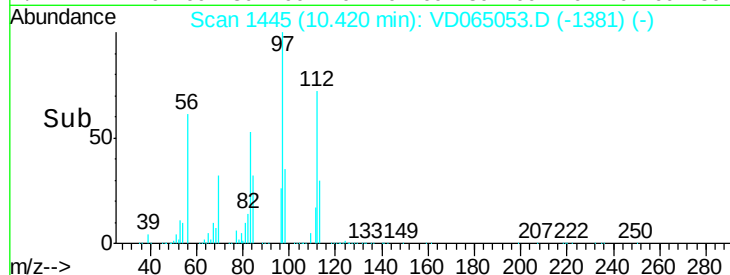
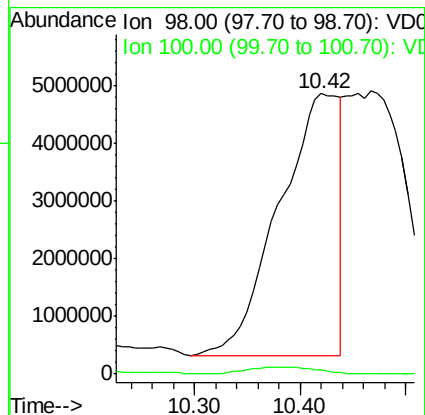
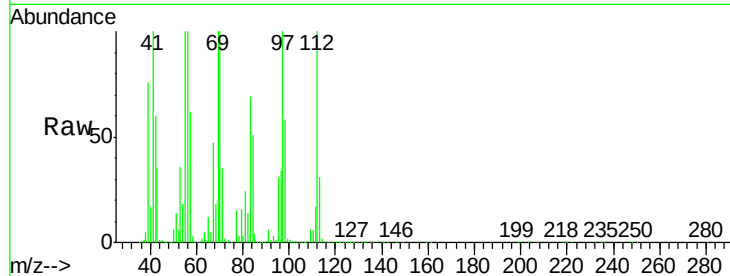
PD-2-(28-29)

Tot Ion: 98 Resp:18113325

Ion Ratio Lower Upper

98 100

100 0.0 52.3 78.5#



#52

Toluene

Concen: 99.433 ug/l

RT: 10.51 min Scan# 1460

Delta R.T. 0.10 min

Lab File: VD065053.D

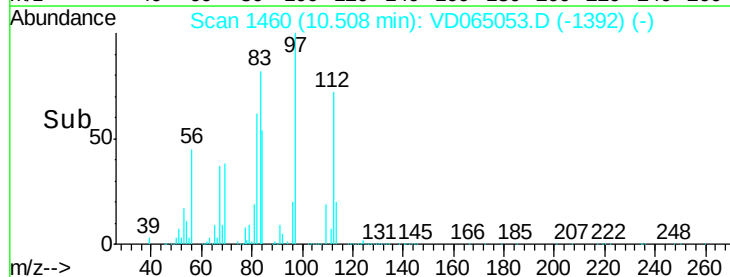
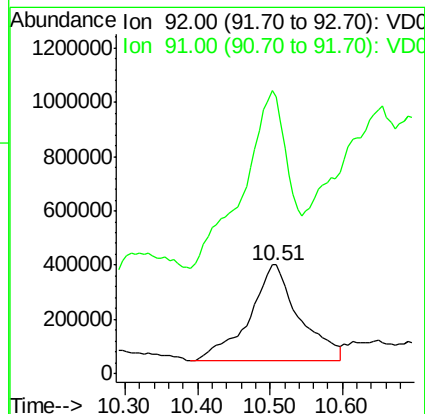
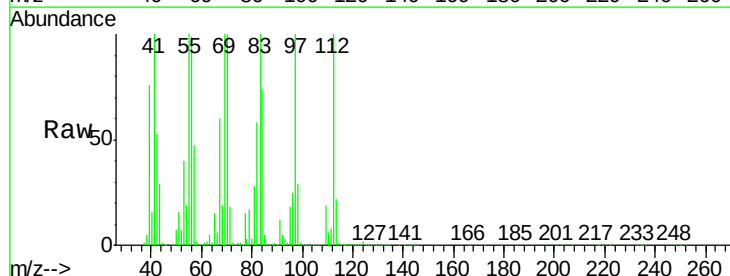
Acq: 03 Feb 2020 14:44

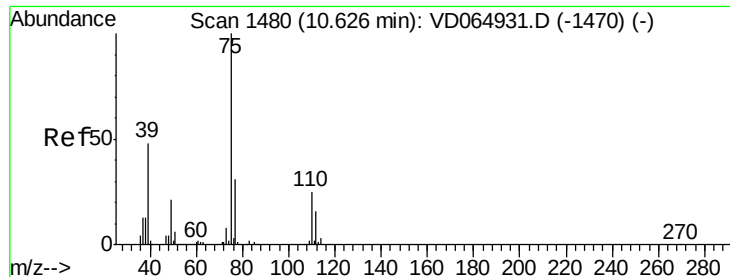
Tgt Ion: 92 Resp: 1720629

Ion Ratio Lower Upper

92 100

91 162.0 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 1.160 ug/l

RT: 10.49 min Scan# 1457

Delta R.T. -0.14 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

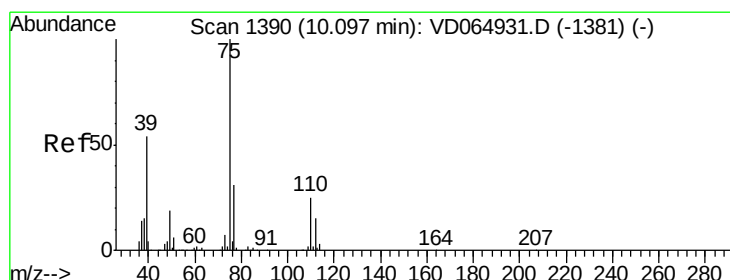
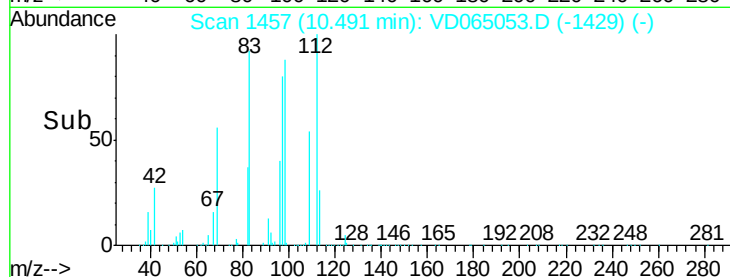
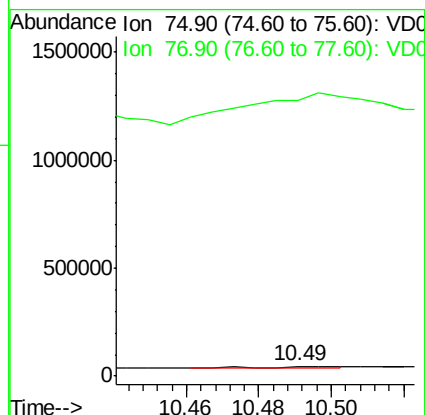
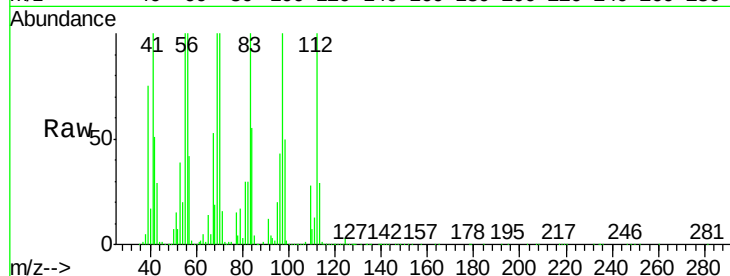
PD-2-(28-29)

Tot Ion: 75 Resp: 10212

Ion Ratio Lower Upper

75 100

77 1175.7 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 27.889 ug/l

RT: 9.93 min Scan# 1361

Delta R.T. -0.17 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

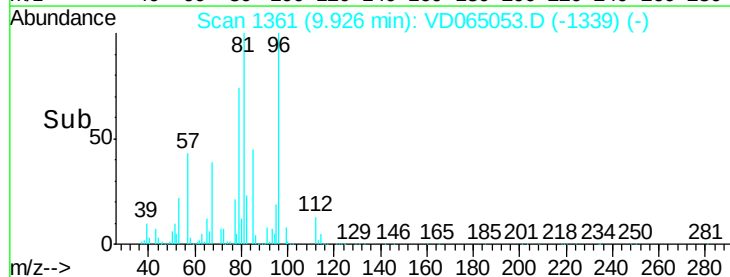
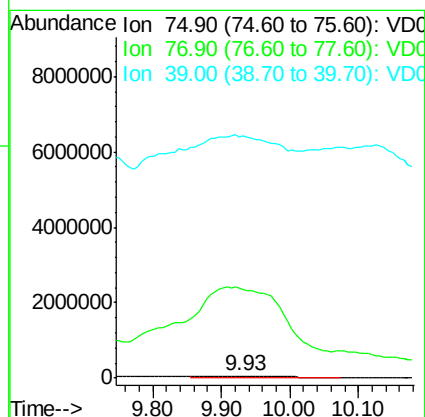
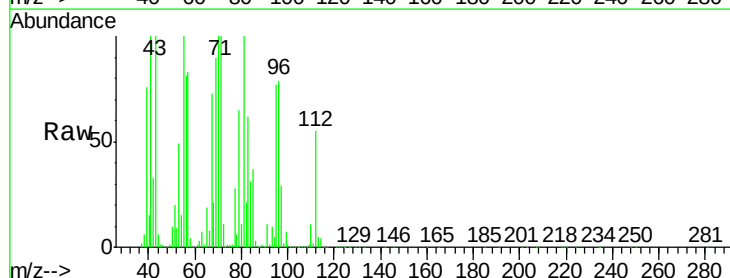
Tgt Ion: 75 Resp: 287502

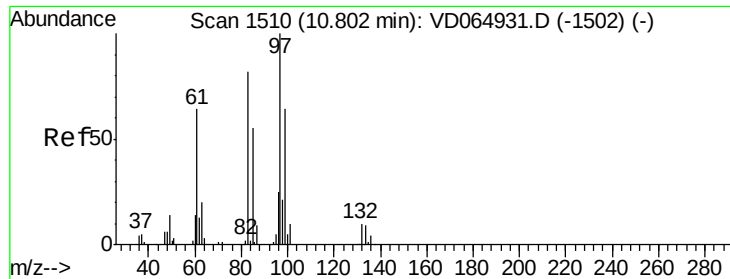
Ion Ratio Lower Upper

75 100

77 4050.2 25.1 37.7#

39 707.4 43.0 64.6#





#55

1,1,2-Trichloroethane

Concen: 379.109 ug/l

RT: 10.71 min Scan# 1494

Delta R.T. -0.09 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

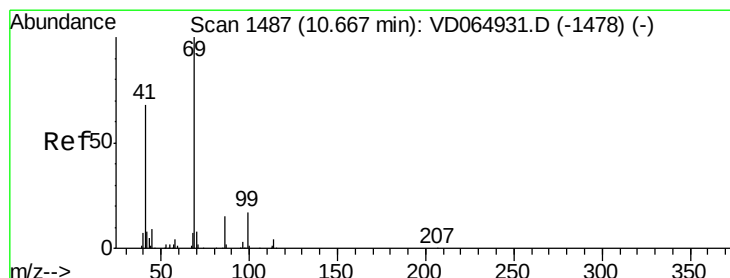
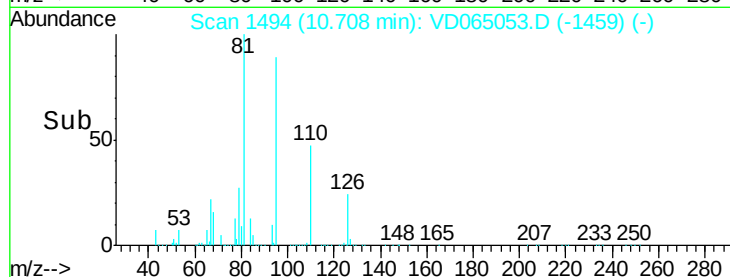
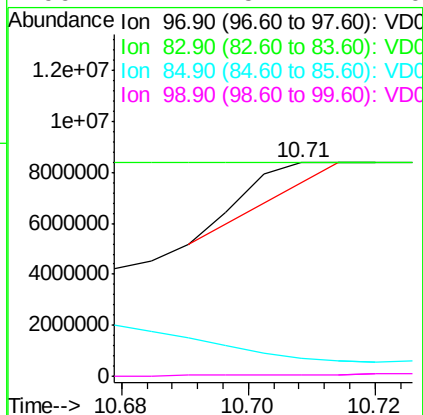
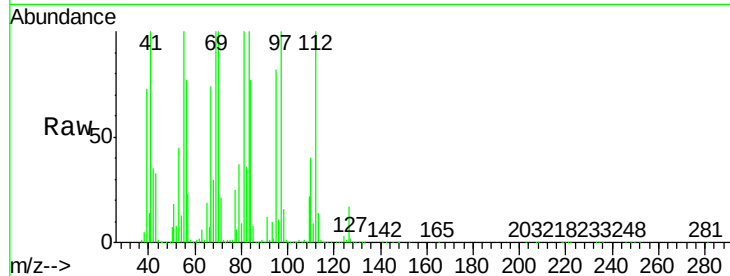
MSVOA_D

ClientSampleId :

PD-2-(28-29)

Tot Ion: 97 Resp: 1814047

Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.0	99.0#
85	3.1	44.4	66.6#
99	1.1	51.4	77.0#



#56

Ethyl methacrylate

Concen: 83.355 ug/l

RT: 10.64 min Scan# 1482

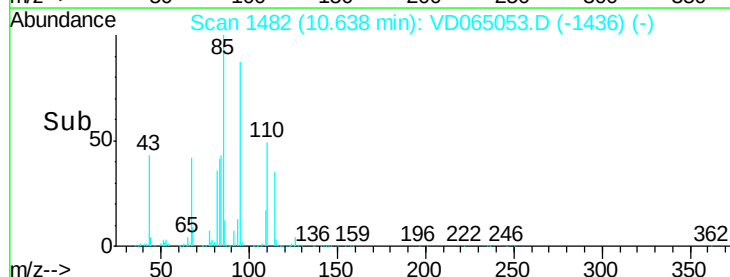
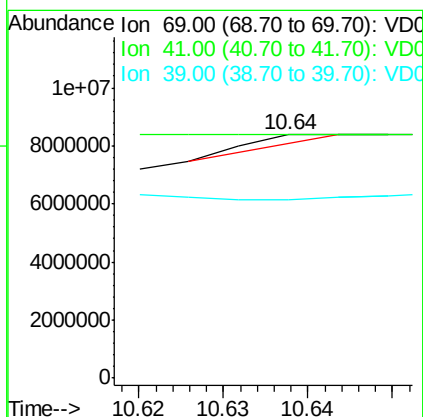
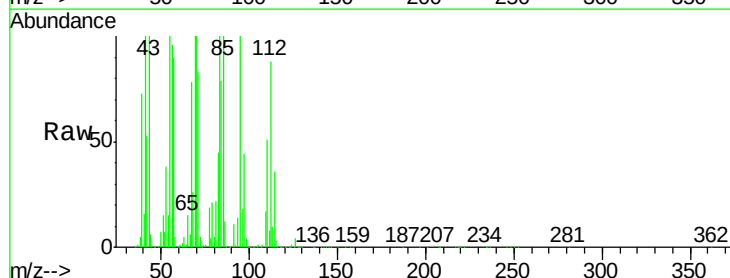
Delta R.T. -0.03 min

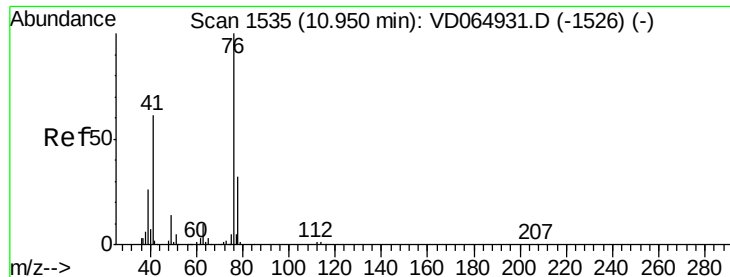
Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Tgt Ion: 69 Resp: 476962

Ion	Ratio	Lower	Upper
69	100		
41	0.0	56.4	84.6#
39	0.0	30.6	46.0#





#57

1,3-Dichloropropane

Concen: 13.612 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.04 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

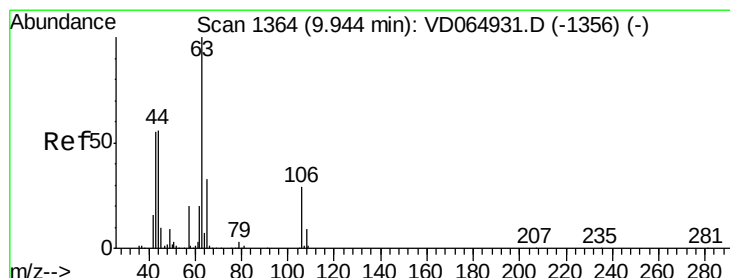
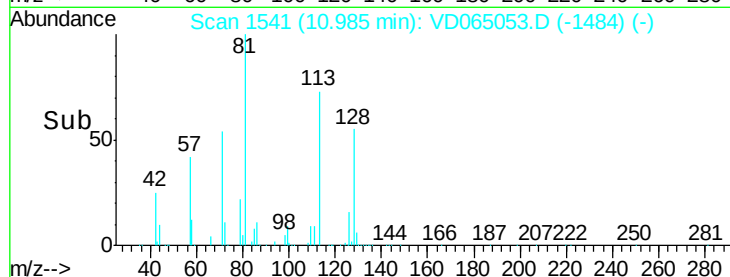
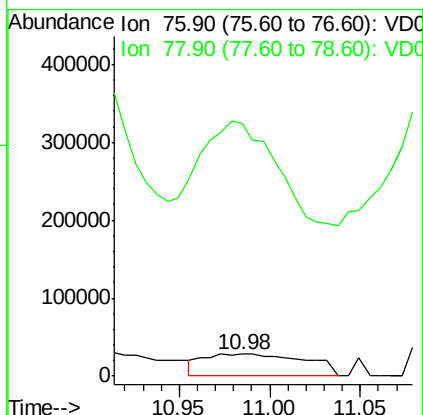
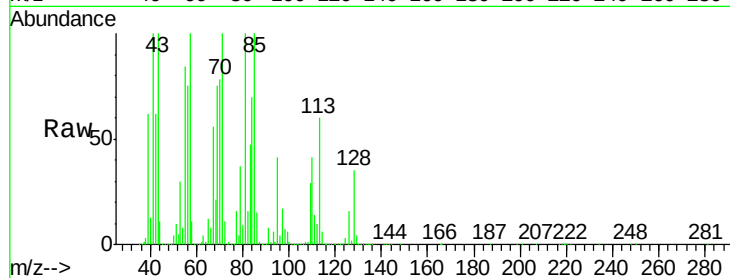
PD-2-(28-29)

Tot Ion: 76 Resp: 111715

Ion Ratio Lower Upper

76 100

78 345.1 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 2220.909 ug/l

RT: 9.92 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VD065053.D

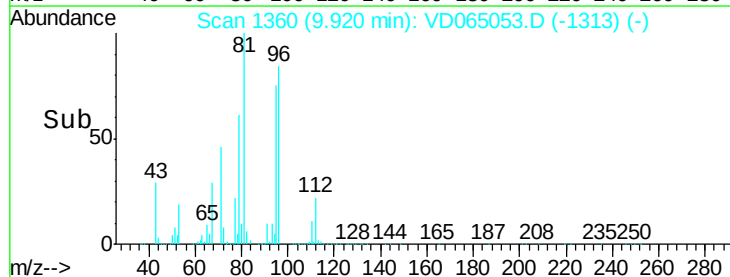
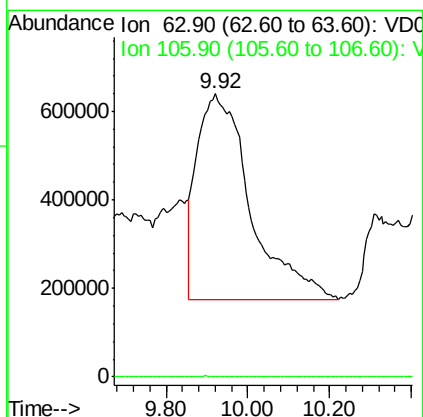
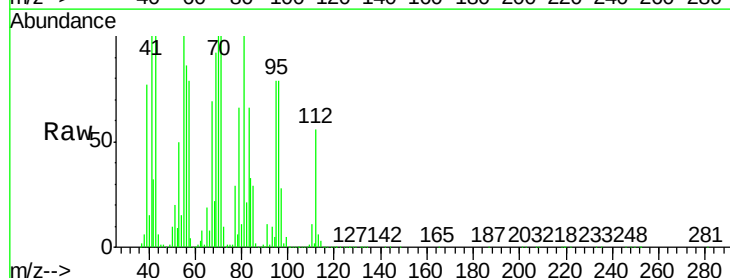
Acq: 03 Feb 2020 14:44

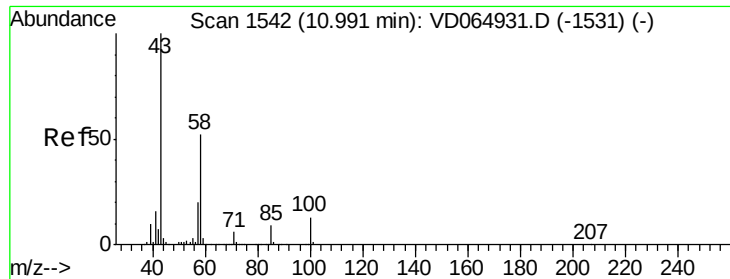
Tgt Ion: 63 Resp: 4221932

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.4#

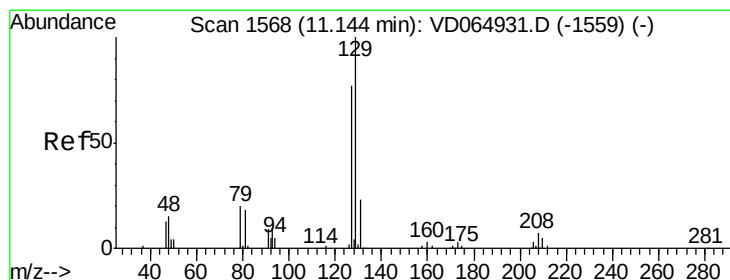
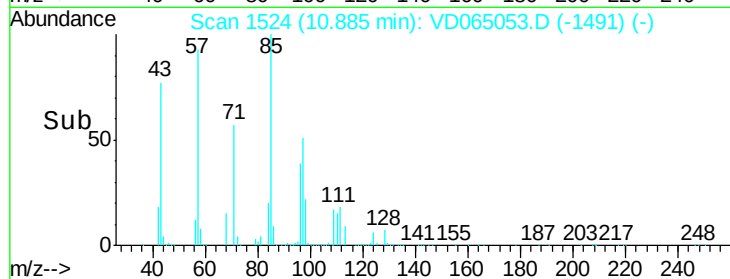
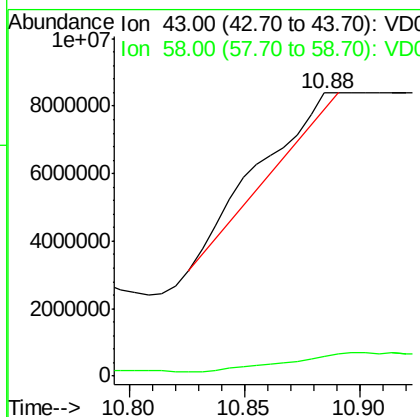
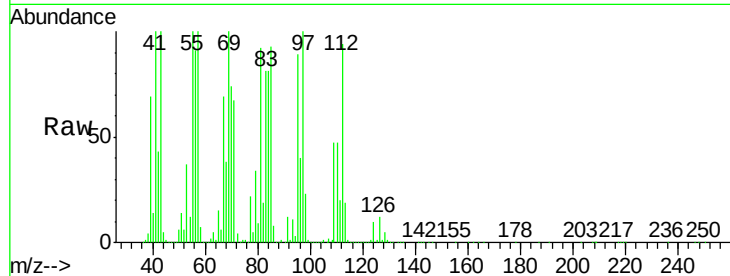




#59
2-Hexanone
Concen: 1087.621 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. -0.11 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

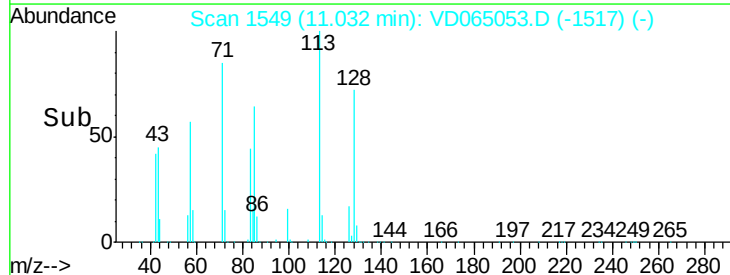
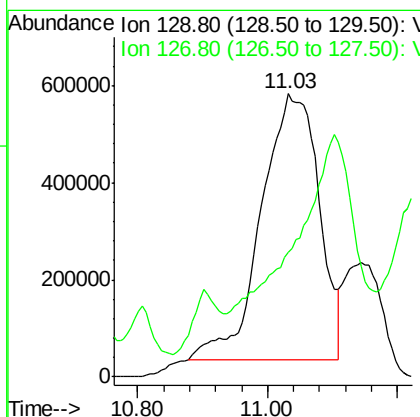
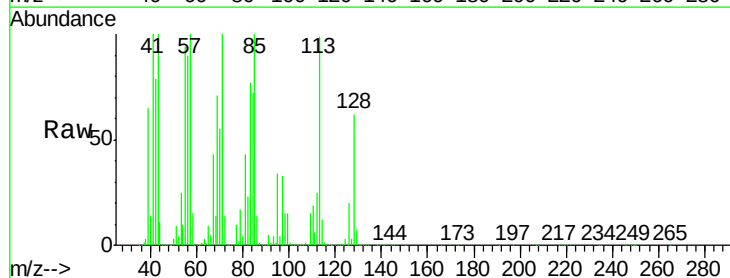
Instrument :
MSVOA_D
ClientSampleId :
PD-2-(28-29)

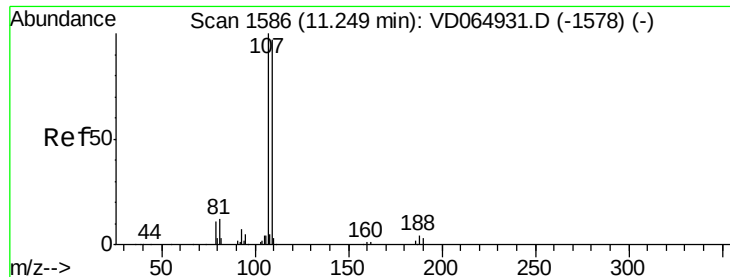
Tot Ion: 43 Resp: 2870268
Ion Ratio Lower Upper
43 100
58 95.6 26.5 79.4#



#60
Dibromochloromethane
Concen: 524.196 ug/l
RT: 11.03 min Scan# 1549
Delta R.T. -0.11 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion: 129 Resp: 3352464
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#

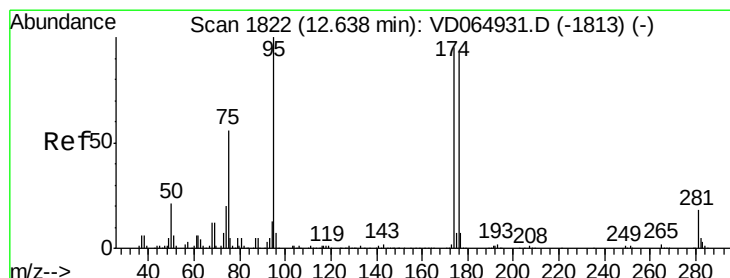
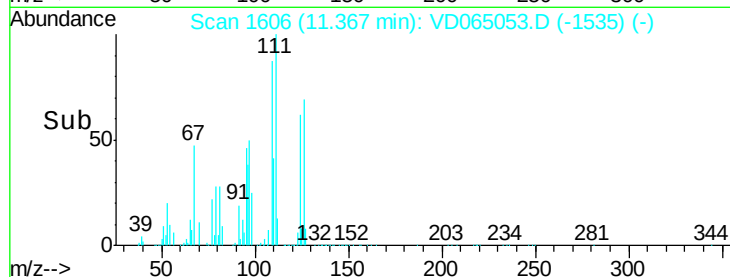
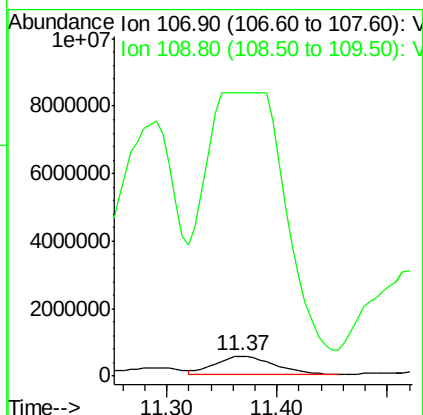
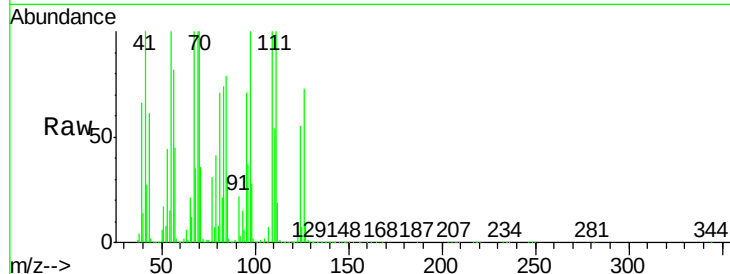




#61
 1,2-Dibromoethane
 Concen: 441.831 ug/l
 RT: 11.37 min Scan# 1606
 Delta R.T. 0.12 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

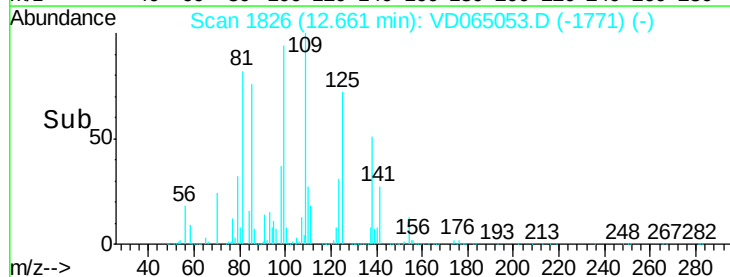
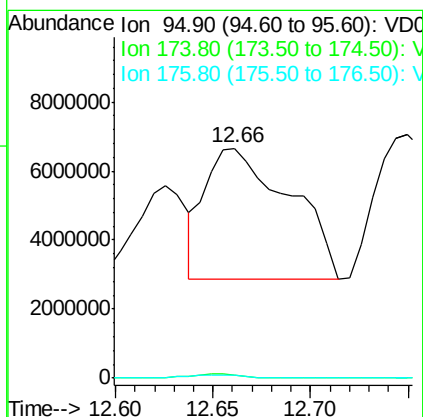
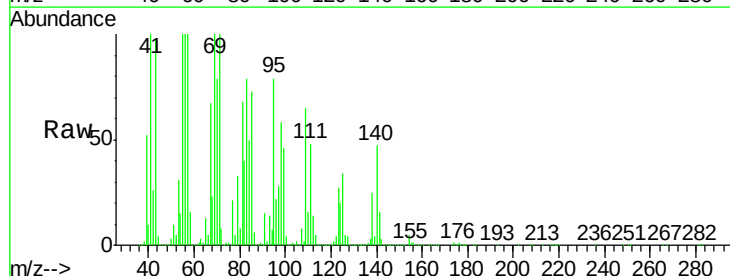
Instrument :
 MSVOA_D
 ClientSampleId :
 PD-2-(28-29)

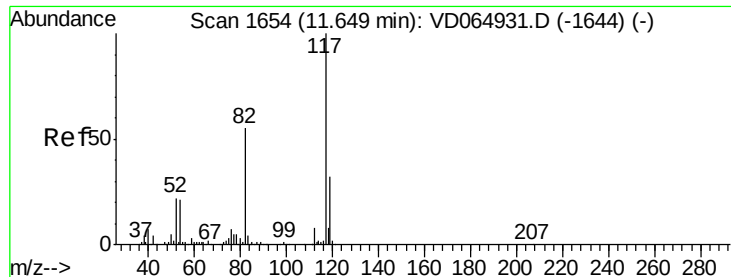
Tot Ion:107 Resp: 2035719
 Ion Ratio Lower Upper
 107 100
 109 86.2 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 1518.034 ug/l
 RT: 12.66 min Scan# 1826
 Delta R.T. 0.02 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Tgt Ion: 95 Resp:11387139
 Ion Ratio Lower Upper
 95 100
 174 1.8 0.0 186.8
 176 1.8 0.0 183.4

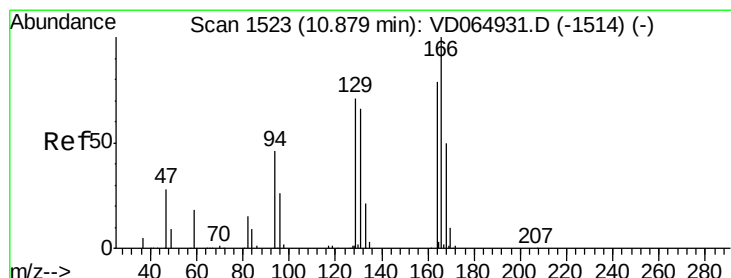
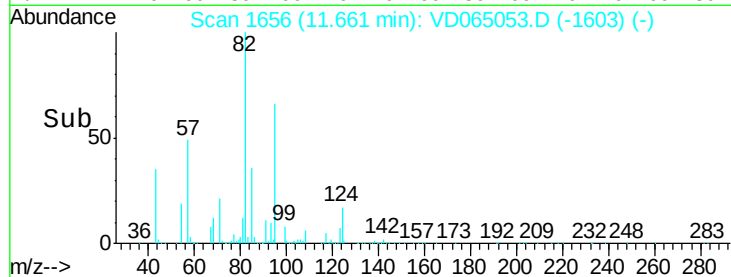
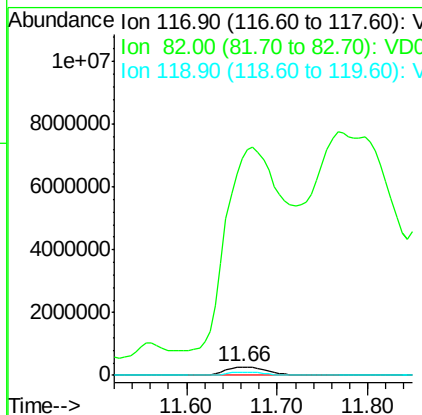
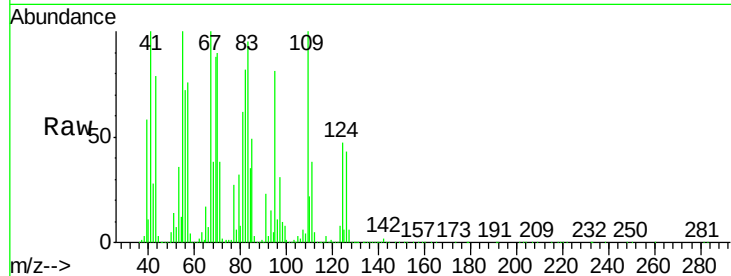




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

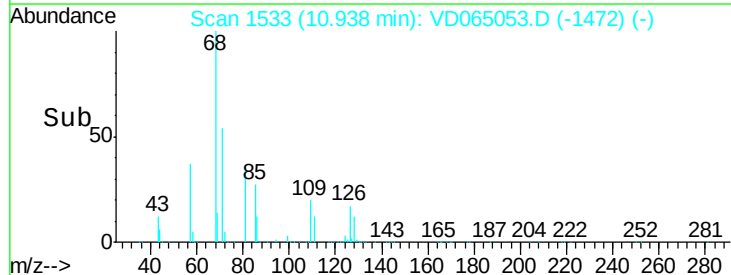
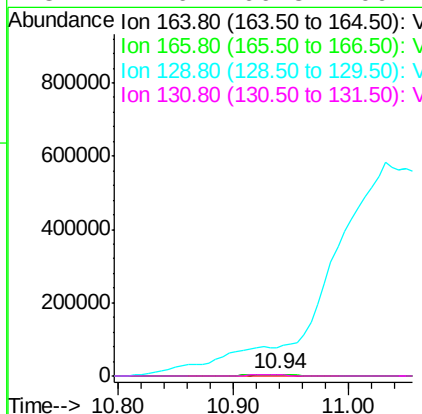
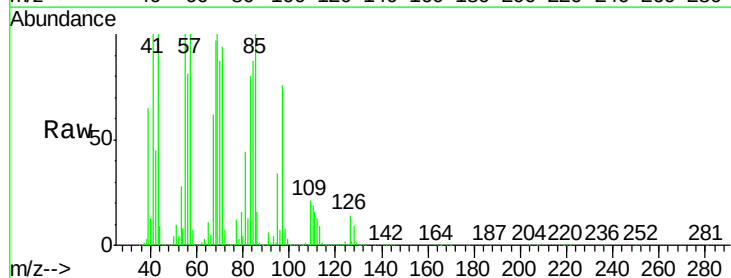
Instrument :
MSVOA_D
ClientSampled :
PD-2-(28-29)

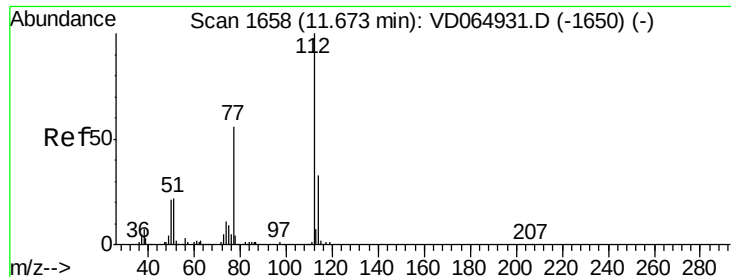
Tot Ion:117 Resp: 840084
Ion Ratio Lower Upper
117 100
82 2196.3 43.6 65.4#
119 34.4 25.2 37.8



#64
Tetrachloroethene
Concen: 1.670 ug/l
RT: 10.94 min Scan# 1533
Delta R.T. 0.06 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion:164 Resp: 10138
Ion Ratio Lower Upper
164 100
166 104.0 101.4 152.2
129 1388.1 71.8 107.8#
131 77.6 66.8 100.2

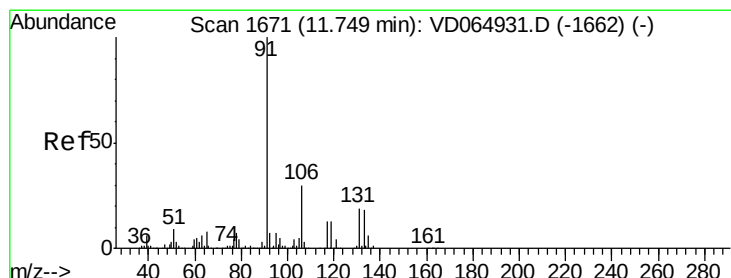
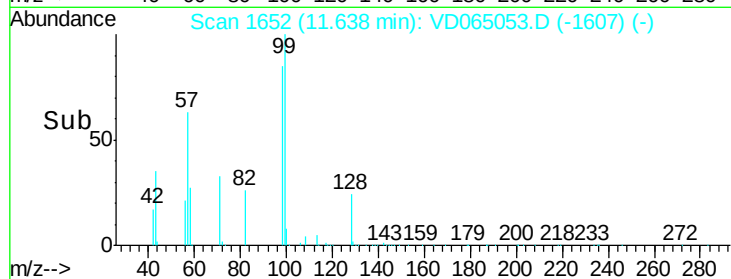
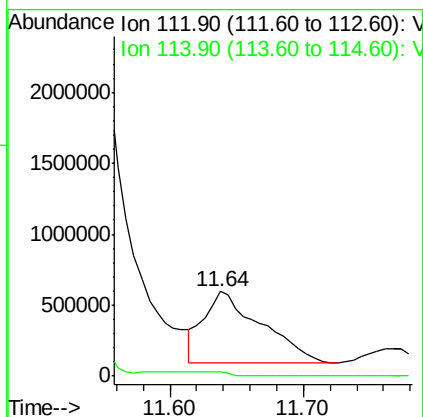
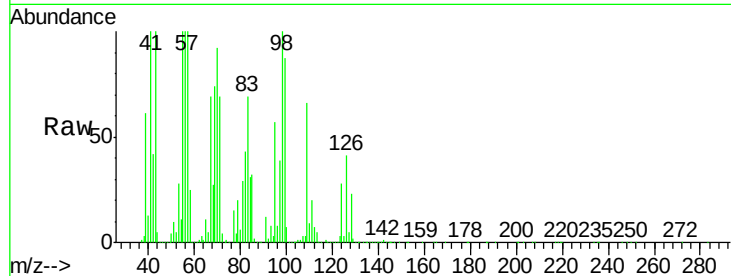




#65
Chlorobenzene
Concen: 87.526 ug/l
RT: 11.64 min Scan# 1652
Delta R.T. -0.04 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

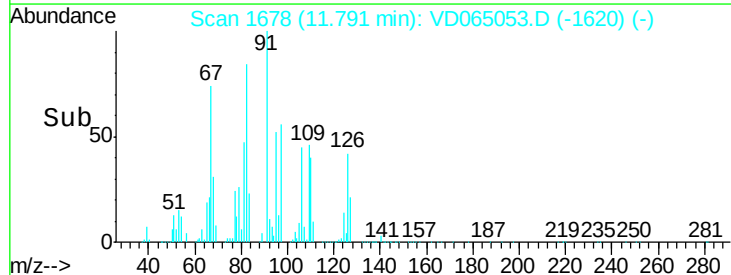
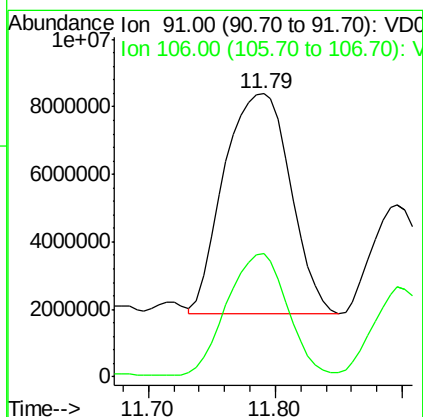
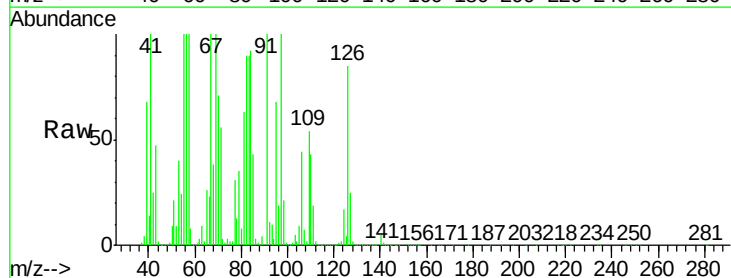
Instrument :
MSVOA_D
ClientSampleId :
PD-2-(28-29)

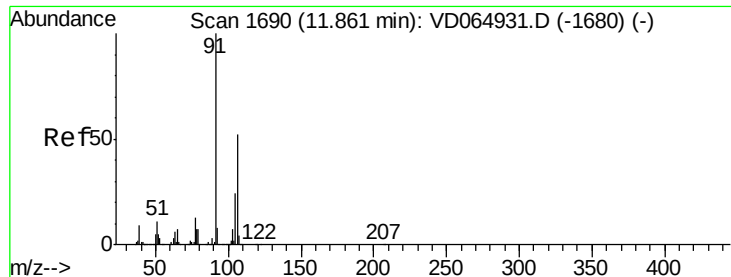
Tot Ion:112 Resp: 1492914
Ion Ratio Lower Upper
112 100
114 6.4 26.2 39.4#



#67
Ethyl Benzene
Concen: 784.405 ug/l
RT: 11.79 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion: 91 Resp:23753117
Ion Ratio Lower Upper
91 100
106 54.5 24.3 36.5#





#68

m/p-Xylenes

Concen: 669.042 ug/l

RT: 11.90 min Scan# 1696

Delta R.T. 0.04 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

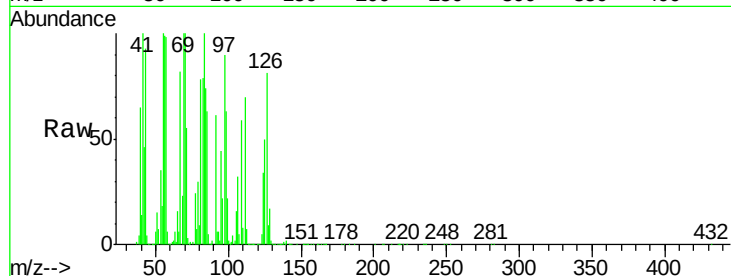
PD-2-(28-29)

Tot Ion:106 Resp: 7800430

Ion Ratio Lower Upper

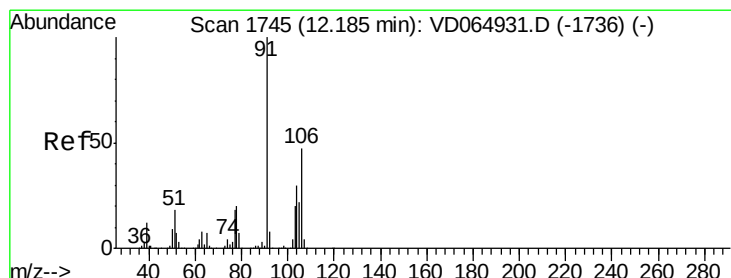
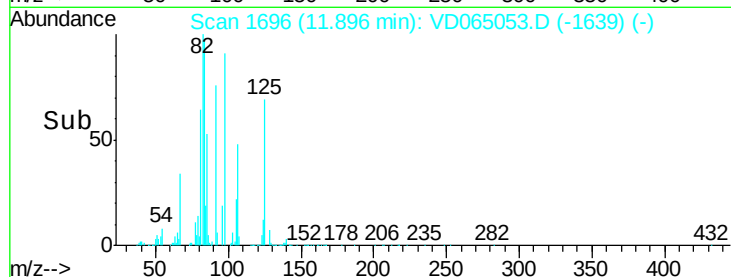
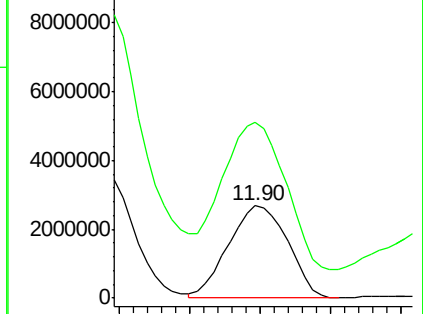
106 100

91 174.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 7.616 ug/l

RT: 12.23 min Scan# 1752

Delta R.T. 0.04 min

Lab File: VD065053.D

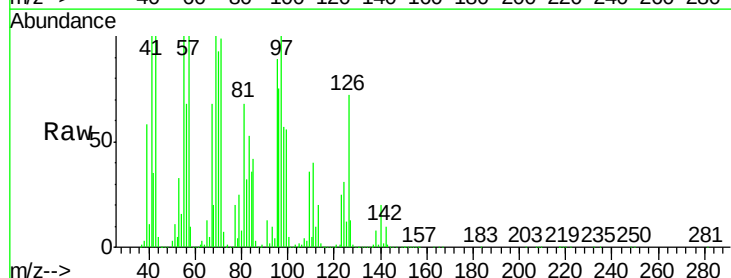
Acq: 03 Feb 2020 14:44

Tgt Ion:106 Resp: 78805

Ion Ratio Lower Upper

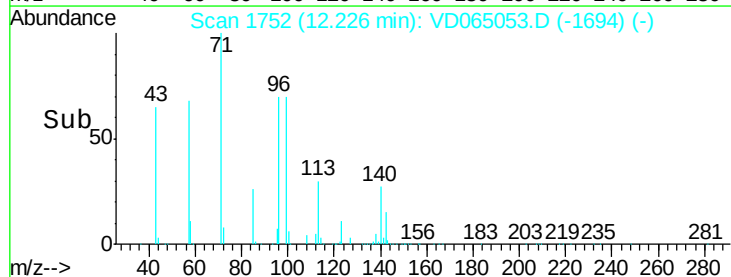
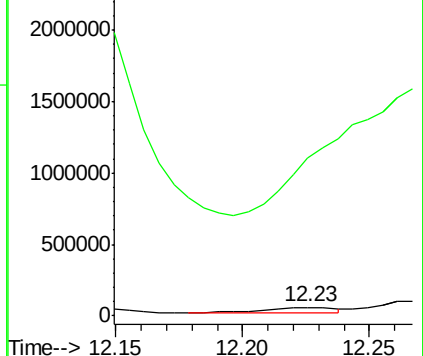
106 100

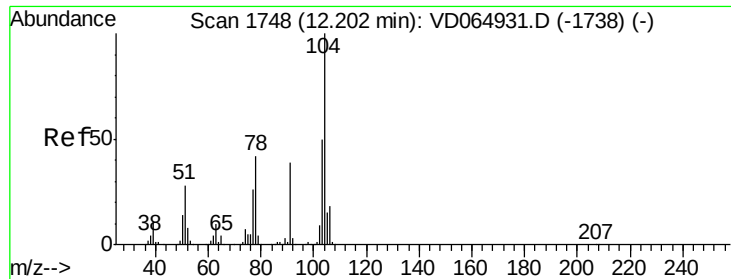
91 0.0 106.7 319.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





#70

Stvrene

Concen: 2.345 ug/l

RT: 12.14 min Scan# 1738

Delta R.T. -0.06 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

PD-2-(28-29)

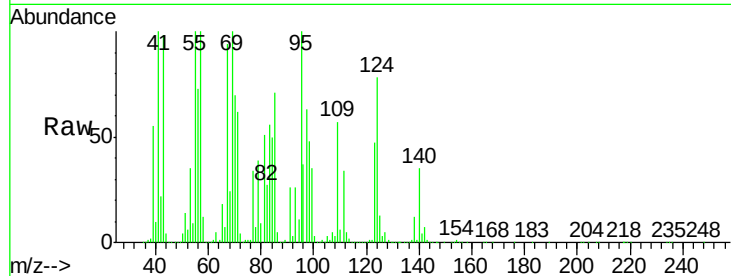
Tot Ion:104 Resp: 43234

Ion Ratio Lower Upper

104 100

78 1649.9 38.3 57.5#

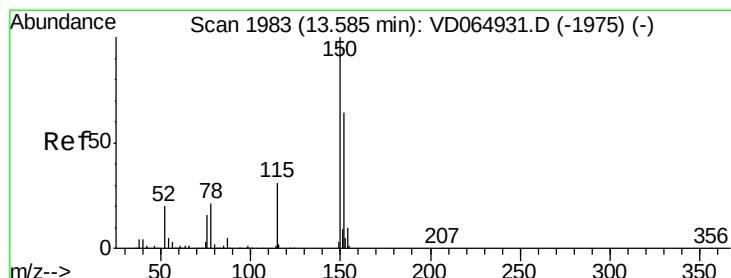
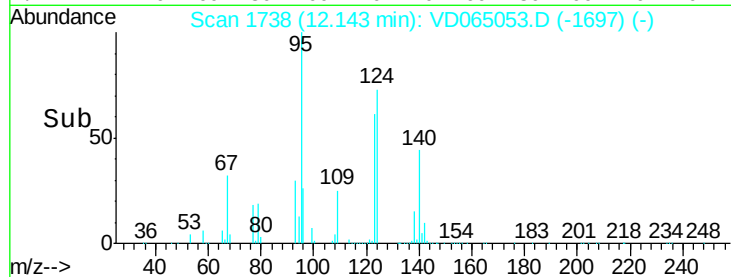
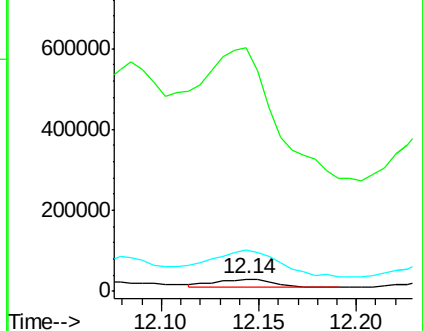
103 375.5 43.5 65.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

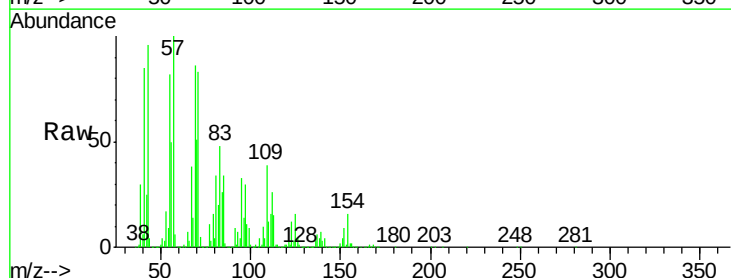
Tgt Ion:152 Resp: 1388766

Ion Ratio Lower Upper

152 100

115 0.0 28.1 84.4#

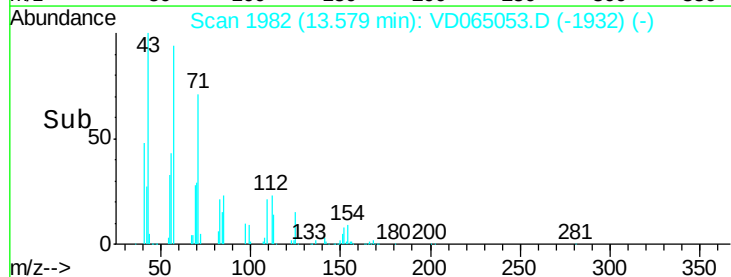
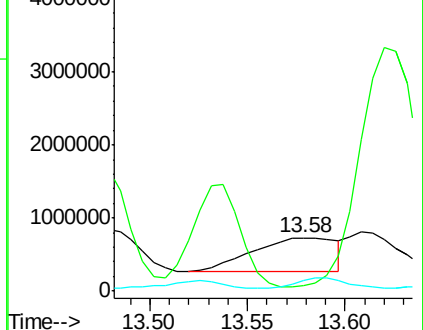
150 21.6 0.0 350.4

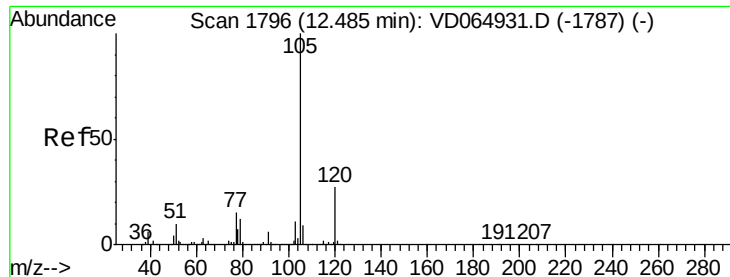


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.763 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.12 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

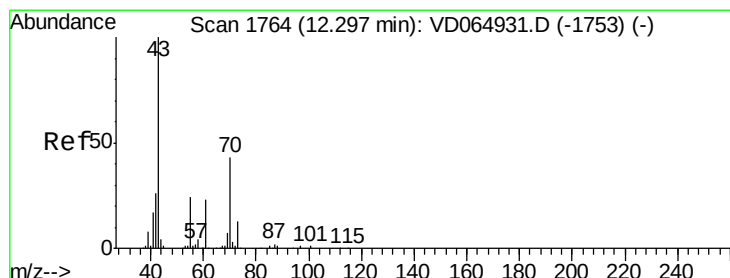
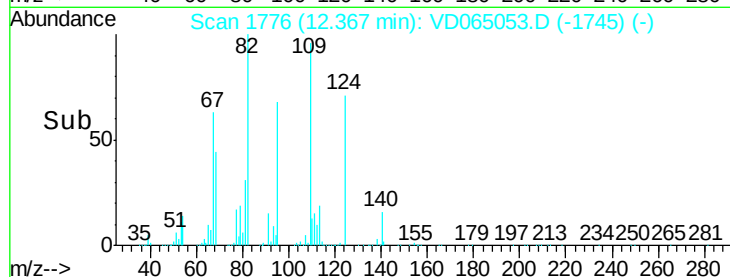
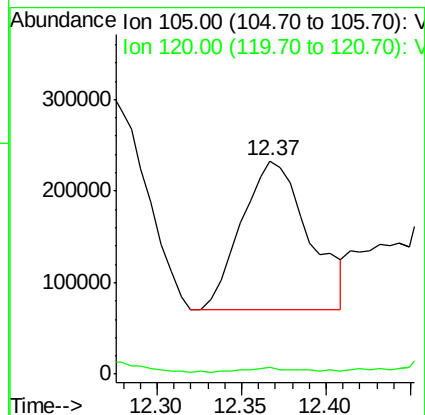
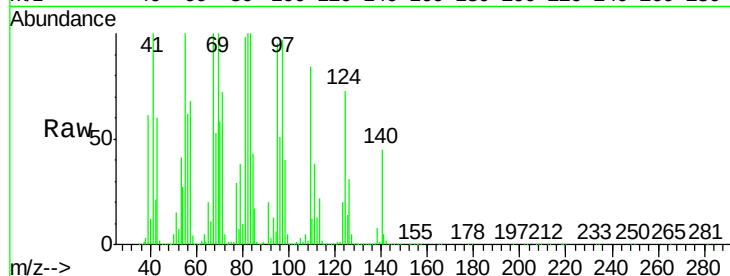
PD-2-(28-29)

Tot Ion:105 Resp: 452147

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.8#



#74

N-ethyl acetate

Concen: 528.596 ug/l

RT: 12.42 min Scan# 1785

Delta R.T. 0.12 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Tgt Ion: 43 Resp:11227501

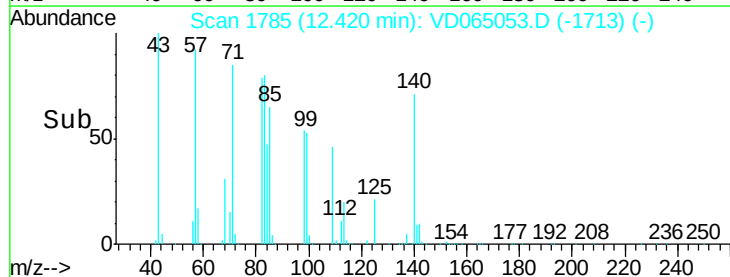
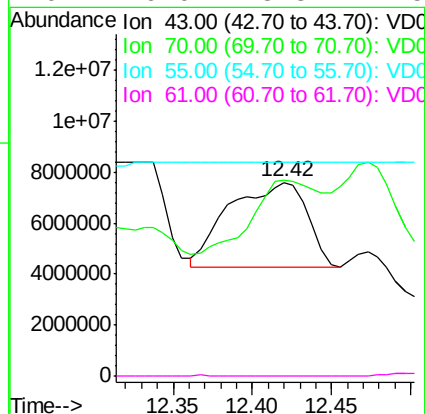
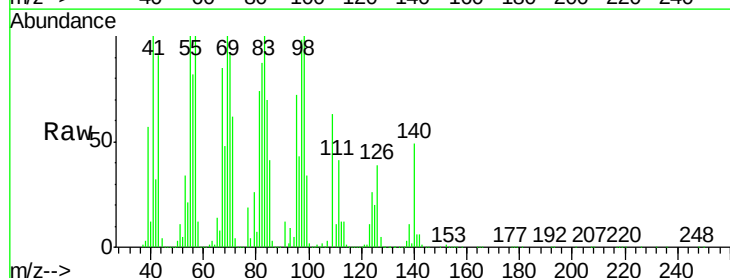
Ion Ratio Lower Upper

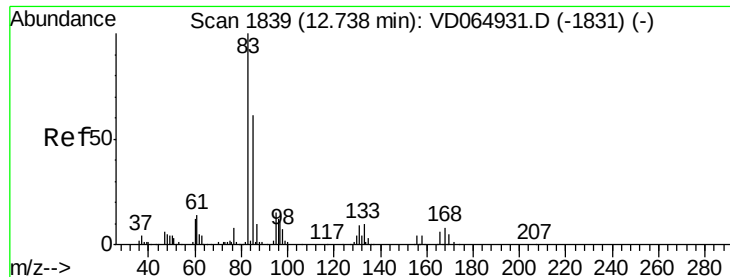
43 100

70 74.1 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: 380.308 ug/l

RT: 12.68 min Scan# 1829

Delta R.T. -0.06 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

PD-2-(28-29)

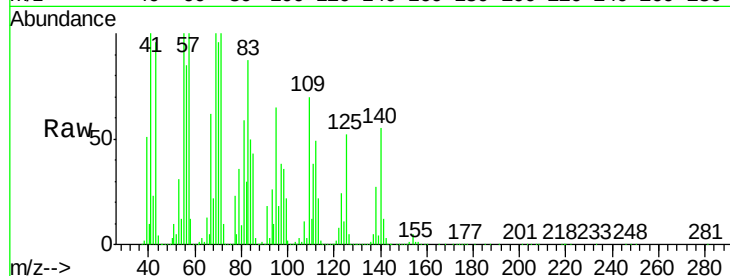
Tot Ion: 83 Resp: 6067226

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

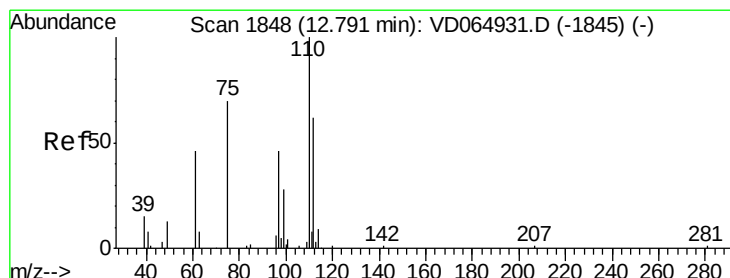
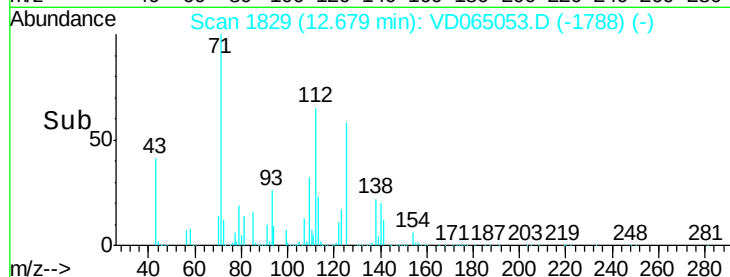
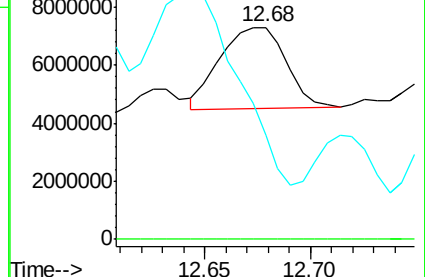
85 0.0 31.6 94.7#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 168.584 ug/l

RT: 12.86 min Scan# 1859

Delta R.T. 0.06 min

Lab File: VD065053.D

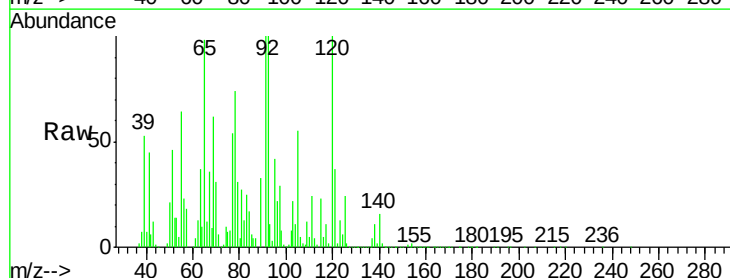
Acq: 03 Feb 2020 14:44

Tgt Ion: 75 Resp: 1943250

Ion Ratio Lower Upper

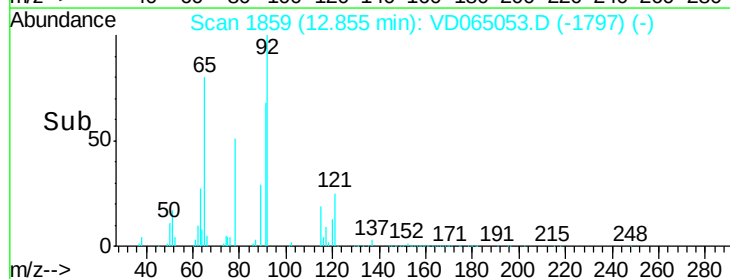
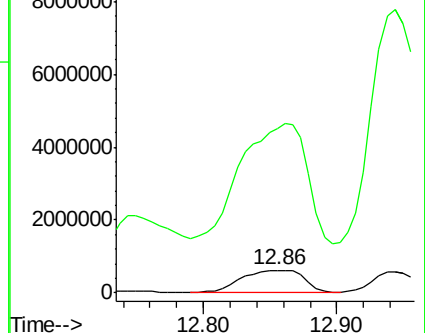
75 100

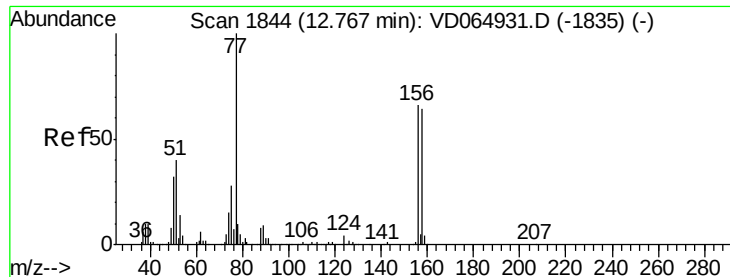
77 588.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 7.997 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

PD-2-(28-29)

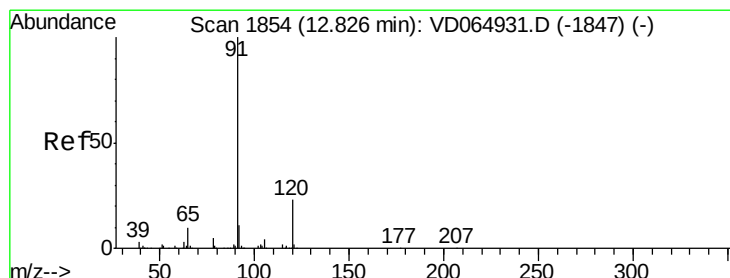
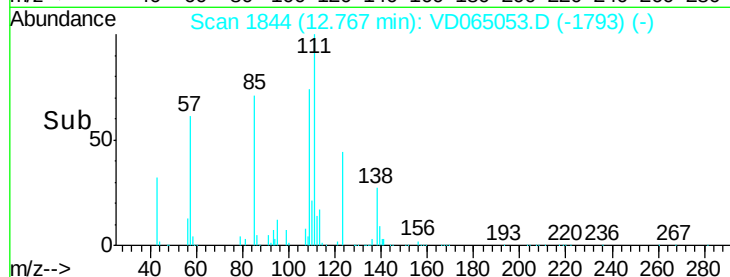
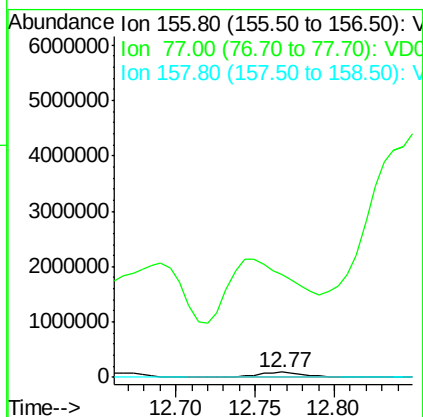
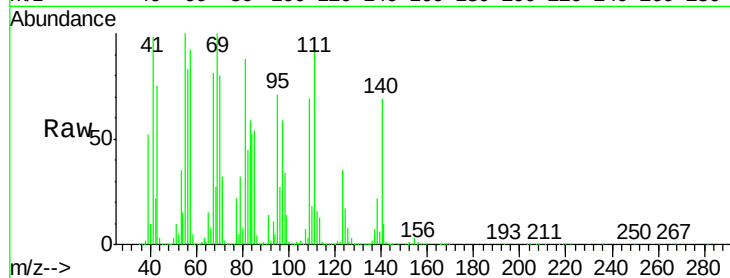
Tot Ion:156 Resp: 185732

Ion Ratio Lower Upper

156 100

77 0.0 84.2 252.5#

158 1.2 48.1 144.4#



#78

n-propylbenzene

Concen: 144.609 ug/l

RT: 12.94 min Scan# 1874

Delta R.T. 0.12 min

Lab File: VD065053.D

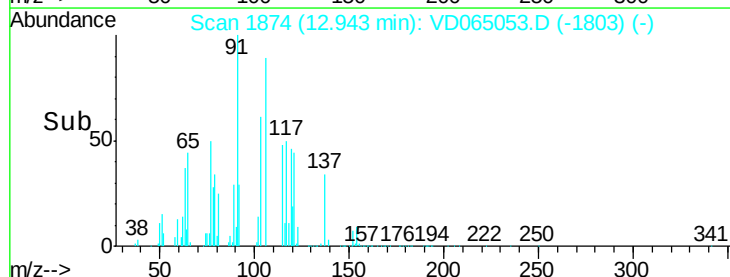
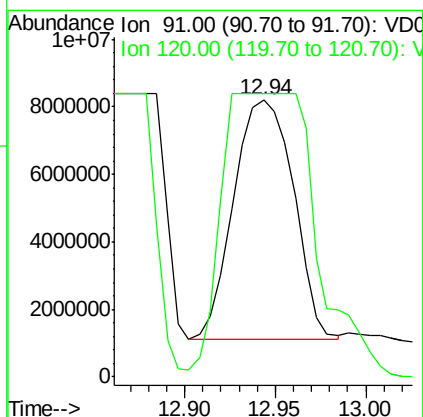
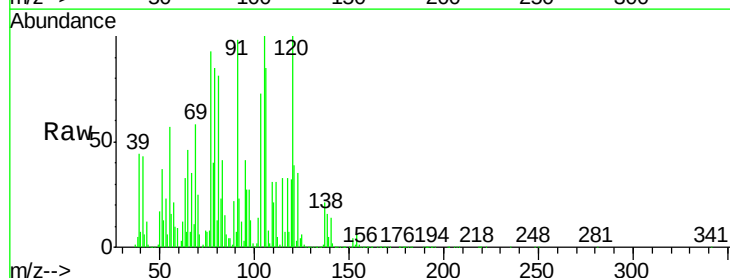
Acq: 03 Feb 2020 14:44

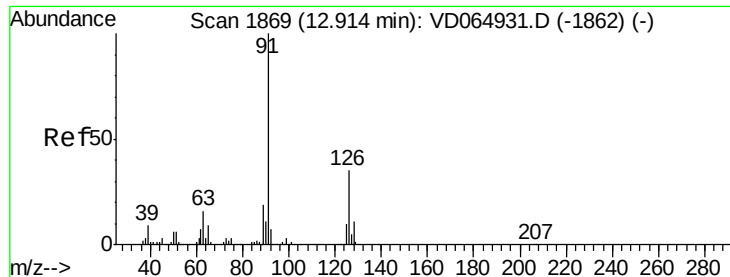
Tgt Ion: 91 Resp:16324025

Ion Ratio Lower Upper

91 100

120 17.8 11.7 35.1





#79

2-Chlorotoluene

Concen: 48.920 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. -0.10 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

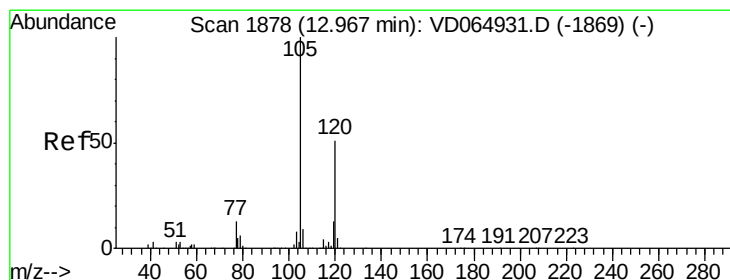
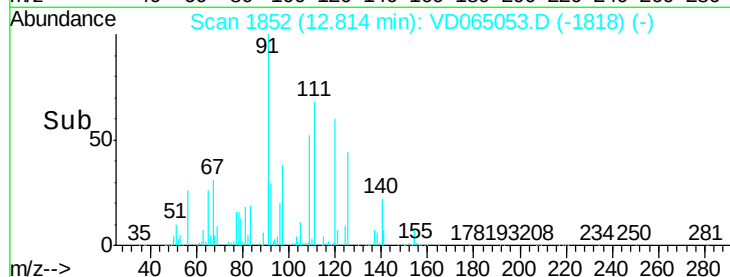
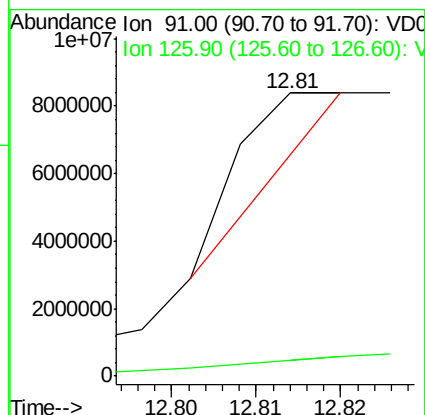
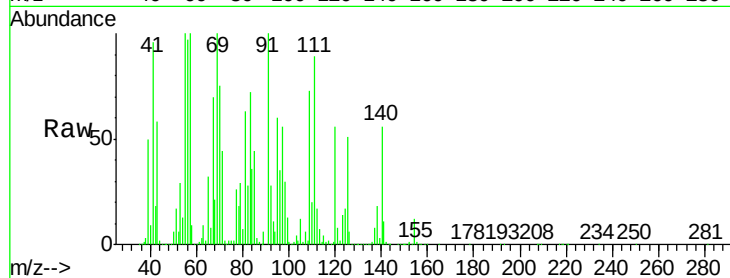
PD-2-(28-29)

Tot Ion: 91 Resp: 3029452

Ion Ratio Lower Upper

91 100

126 43.0 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 40.560 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. -0.05 min

Lab File: VD065053.D

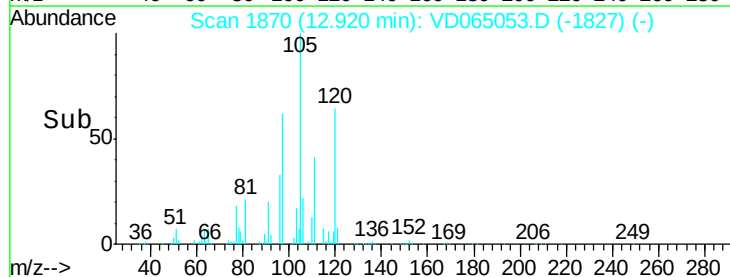
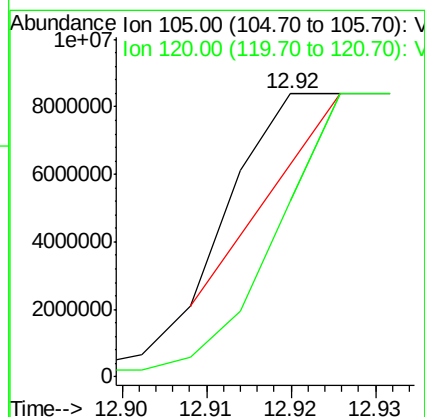
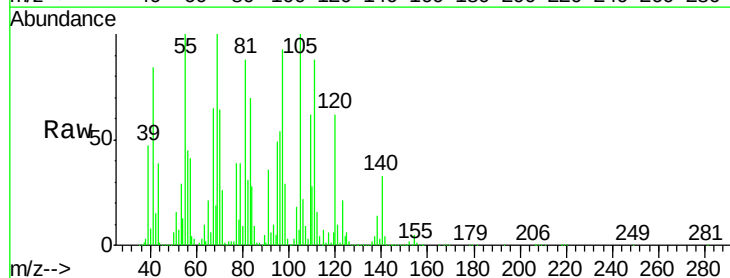
Acq: 03 Feb 2020 14:44

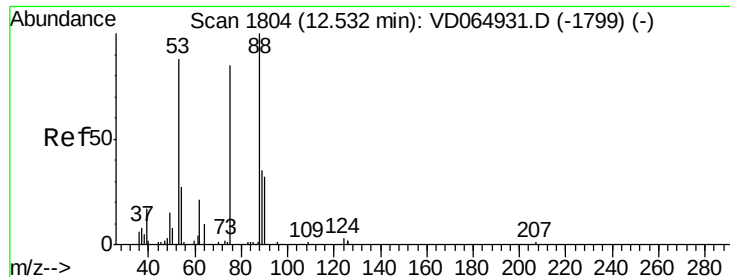
Tgt Ion: 105 Resp: 3155018

Ion Ratio Lower Upper

105 100

120 92.2 25.6 76.8#

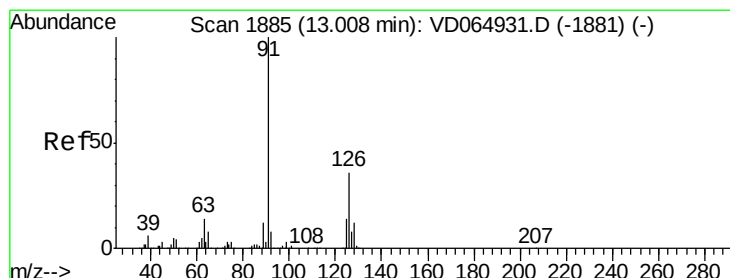
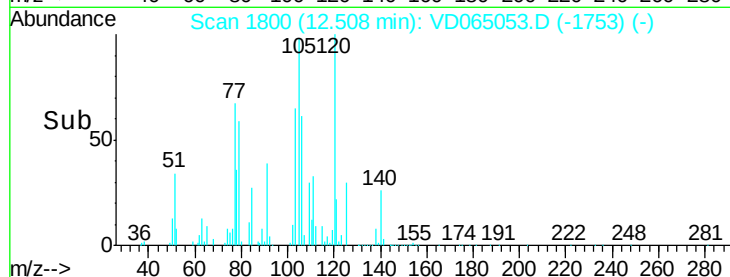
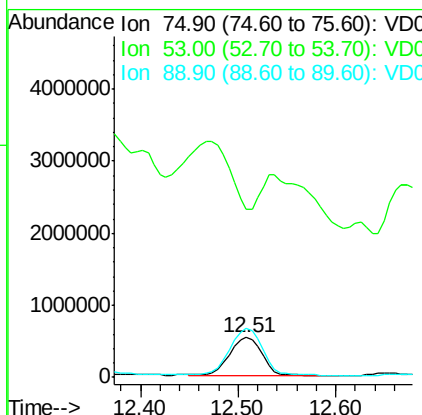
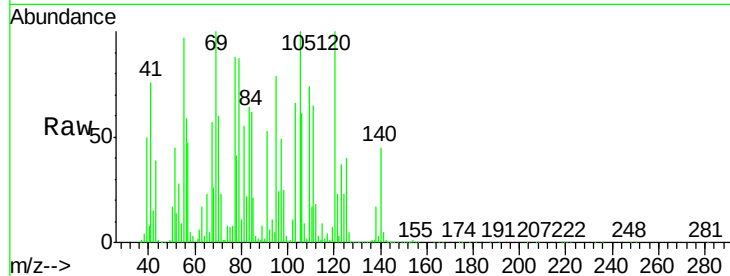




#81
trans-1,4-Dichloro-2-butene
Concen: 237.978 ug/l
RT: 12.51 min Scan# 1800
Delta R.T. -0.02 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

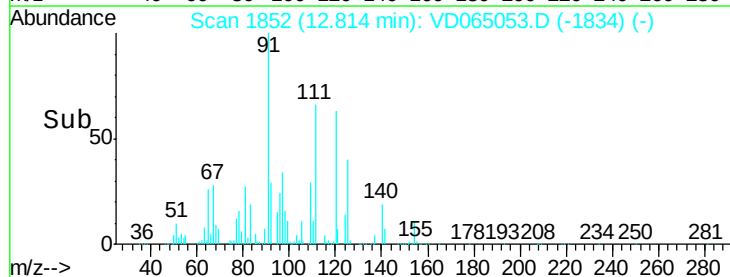
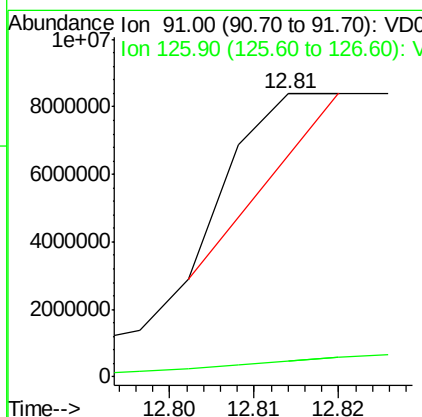
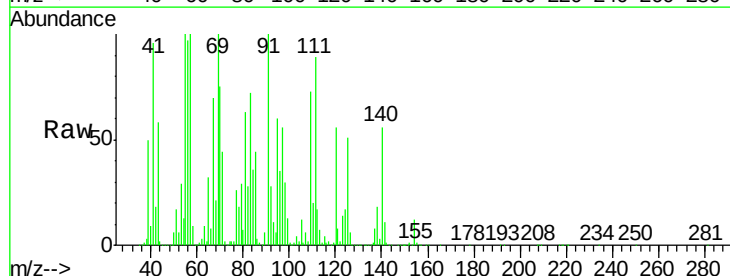
Instrument :
MSVOA_D
ClientSampleId :
PD-2-(28-29)

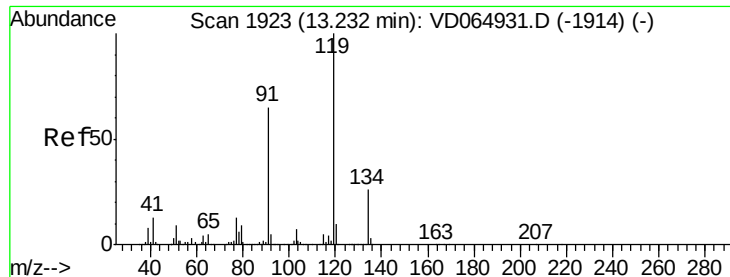
Tot Ion: 75 Resp: 1284704
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 122.9 36.2 54.4#



#82
4-Chlorotoluene
Concen: 46.129 ug/l
RT: 12.81 min Scan# 1852
Delta R.T. -0.19 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion: 91 Resp: 3029452
Ion Ratio Lower Upper
91 100
126 43.0 18.0 54.0

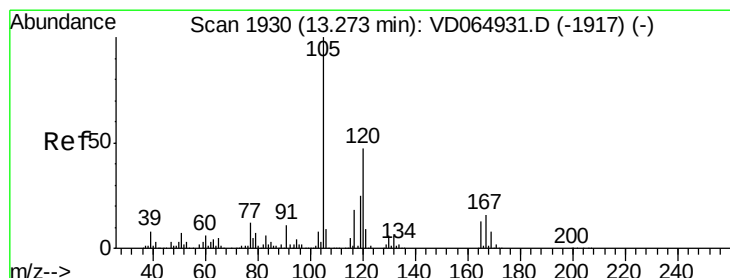
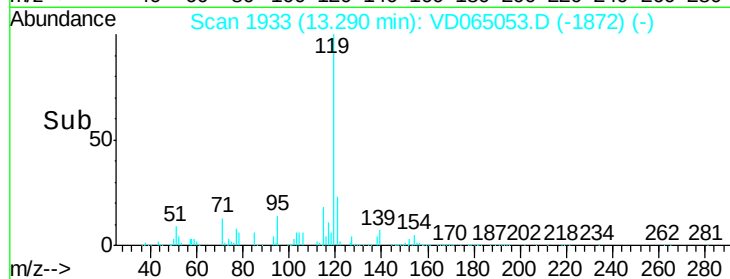
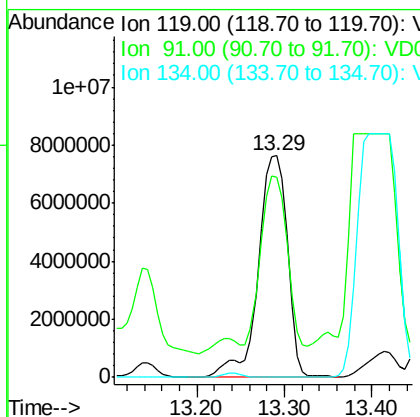
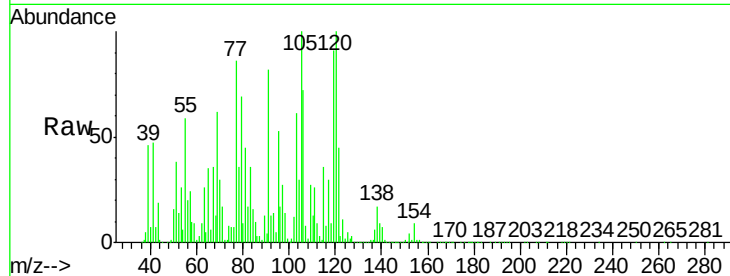




#83
 tert-Butylbenzene
 Concen: 265.304 ug/l
 RT: 13.29 min Scan# 1933
 Delta R.T. 0.06 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

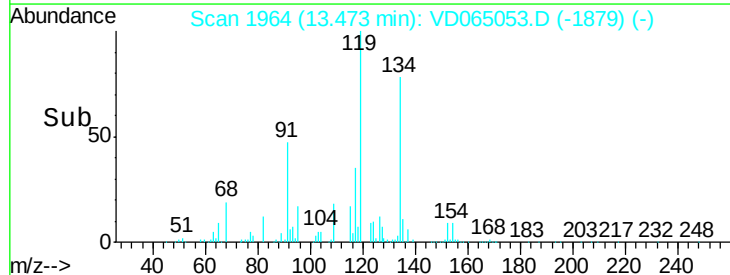
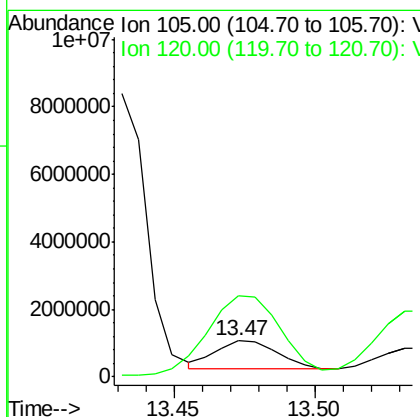
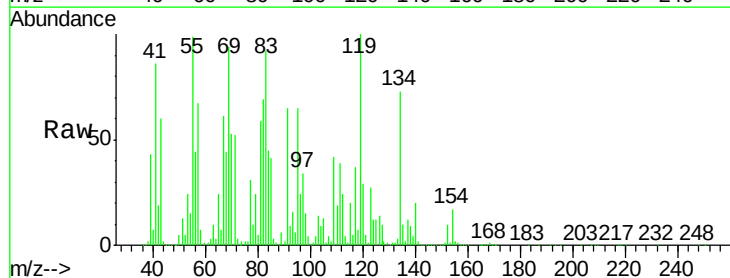
Instrument :
 MSVOA_D
 ClientSampled :
 PD-2-(28-29)

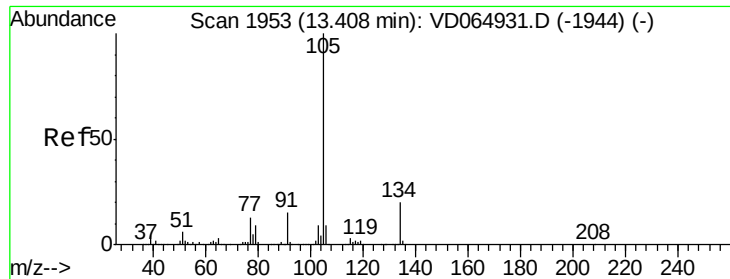
Tot Ion:119 Resp:17513178
 Ion Ratio Lower Upper
 119 100
 91 68.7 32.0 96.0
 134 0.0 13.9 41.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 16.632 ug/l
 RT: 13.47 min Scan# 1964
 Delta R.T. 0.20 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Tgt Ion:105 Resp: 1310556
 Ion Ratio Lower Upper
 105 100
 120 325.6 23.1 69.3#





#85

sec-Butylbenzene

Concen: 14.022 ug/l

RT: 13.47 min Scan# 1964

Delta R.T. 0.06 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

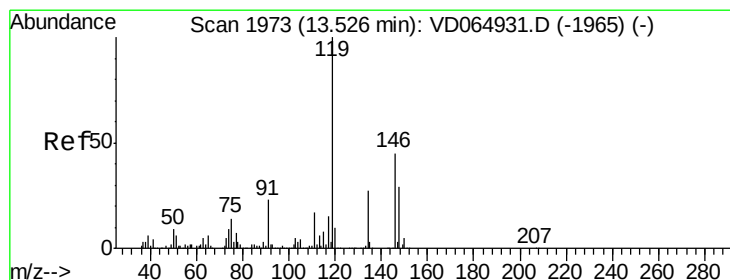
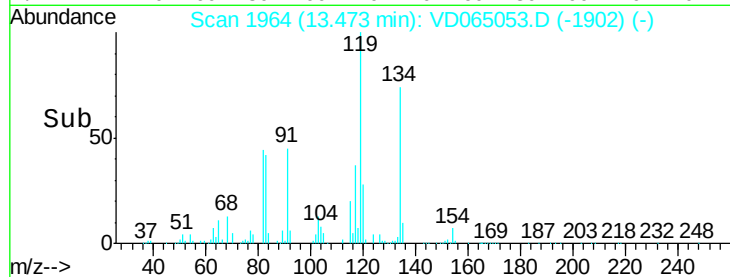
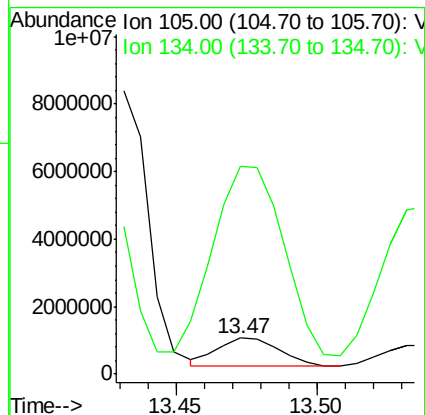
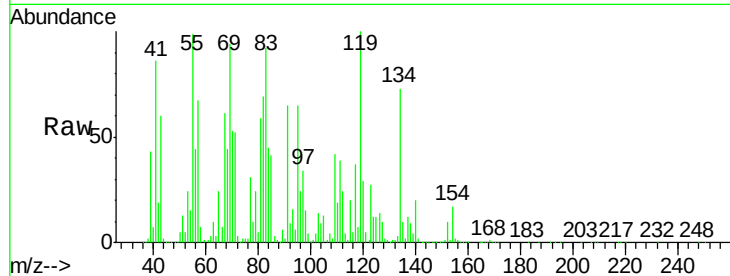
PD-2-(28-29)

Tot Ion:105 Resp: 1310556

Ion Ratio Lower Upper

105 100

134 755.2 10.4 31.4#



#86

p-Isopropyltoluene

Concen: 74.791 ug/l

RT: 13.68 min Scan# 2000

Delta R.T. 0.16 min

Lab File: VD065053.D

Acq: 03 Feb 2020 14:44

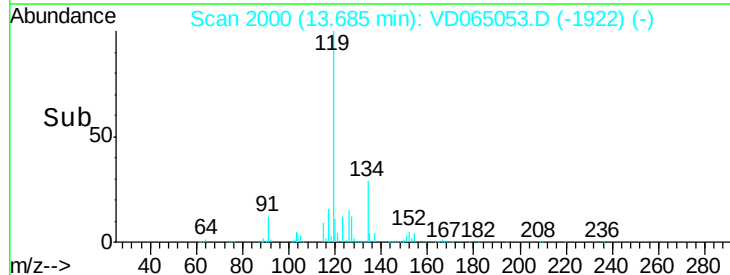
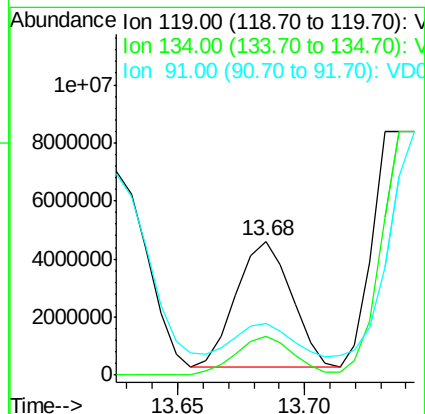
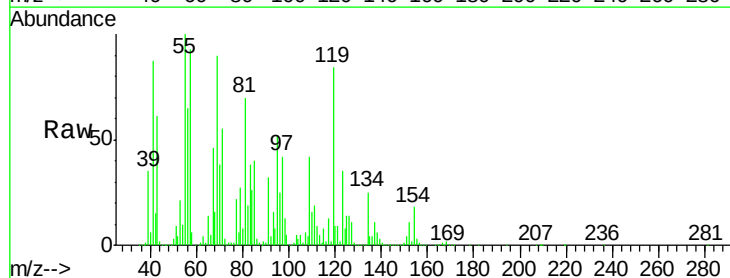
Tgt Ion:119 Resp: 6541354

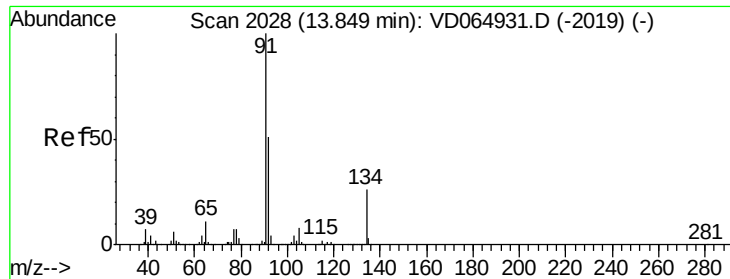
Ion Ratio Lower Upper

119 100

134 33.1 13.3 39.9

91 25.3 11.4 34.2

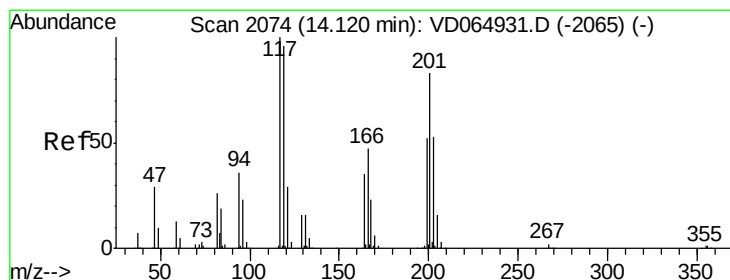
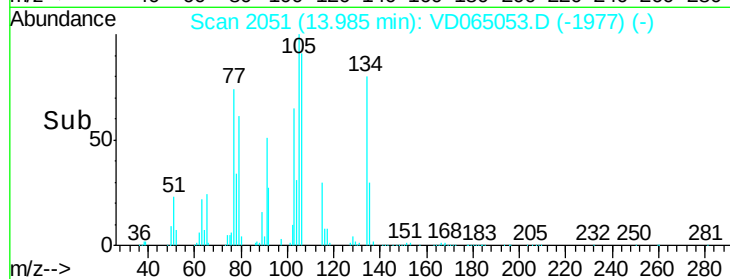
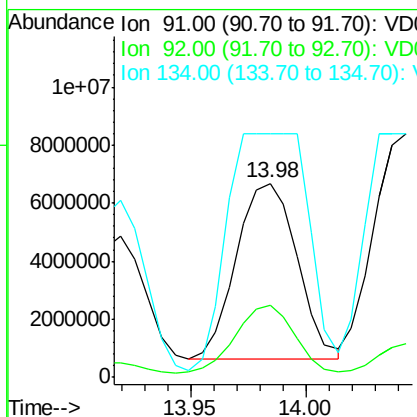
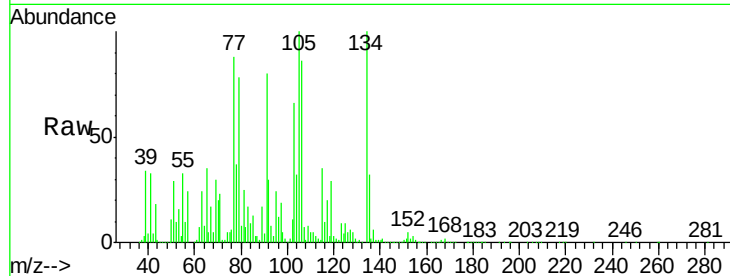




#89
n-Butylbenzene
Concen: 138.751 ug/l
RT: 13.98 min Scan# 2051
Delta R.T. 0.14 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

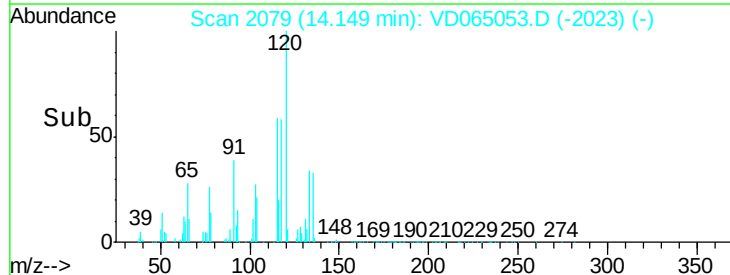
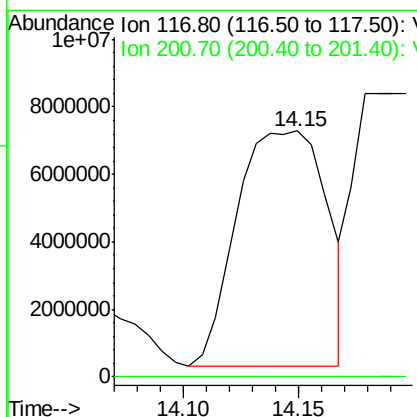
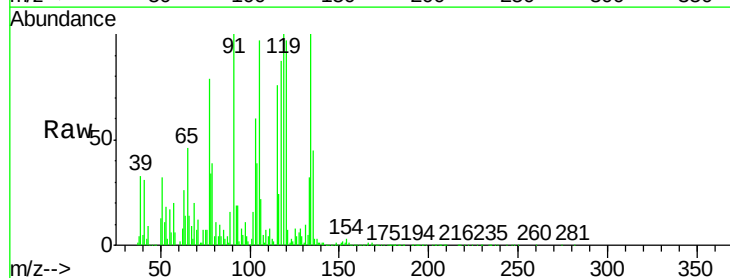
Instrument :
MSVOA_D
ClientSampleId :
PD-2-(28-29)

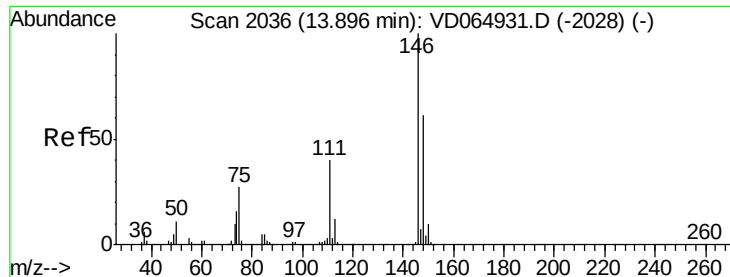
Tot Ion: 91 Resp:11074931
Ion Ratio Lower Upper
91 100
92 38.0 26.4 79.0
134 28.5 13.3 39.9



#90
Hexachloroethane
Concen: 1116.329 ug/l
RT: 14.15 min Scan# 2079
Delta R.T. 0.03 min
Lab File: VD065053.D
Acq: 03 Feb 2020 14:44

Tgt Ion:117 Resp:18828632
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#

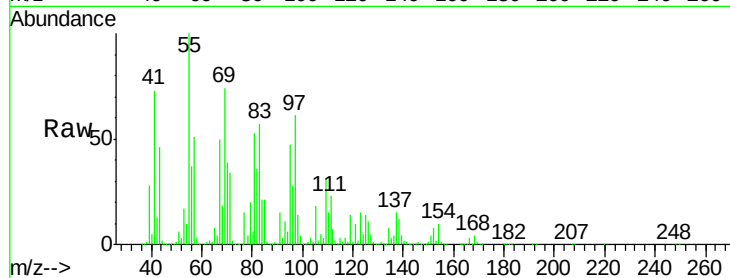




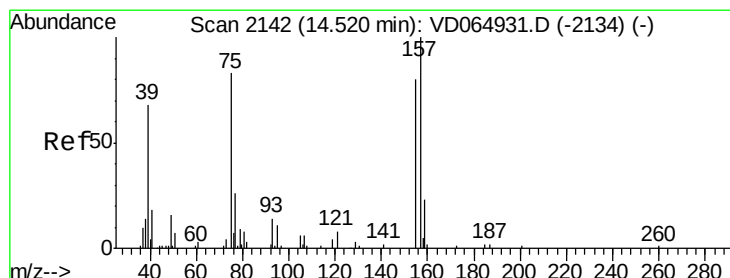
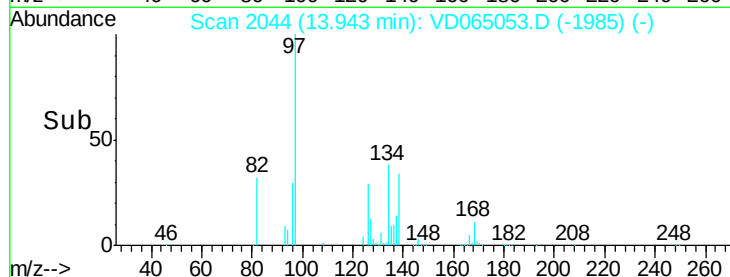
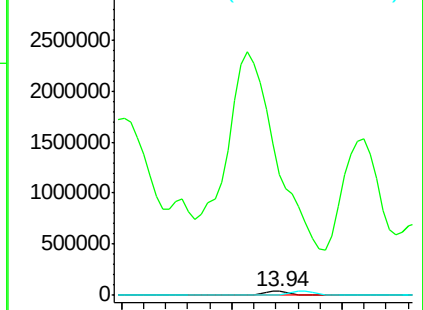
#91
 1,2-Dichlorobenzene
 Concen: 1.852 ug/l
 RT: 13.94 min Scan# 2044
 Delta R.T. 0.05 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 PD-2-(28-29)

Tot Ion:146 Resp: 70065
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.2#
 148 97.7 31.6 95.0#

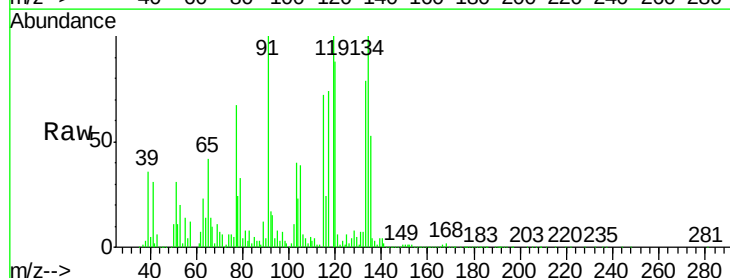


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

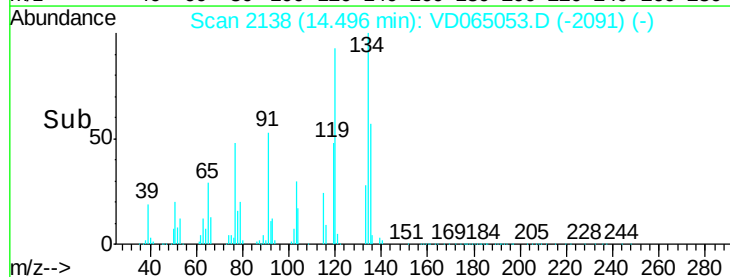
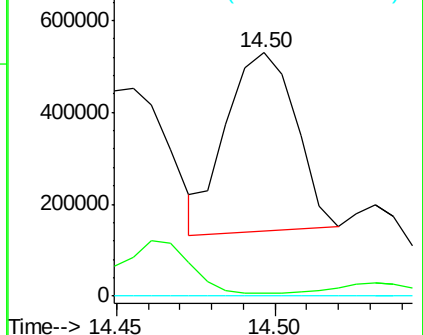


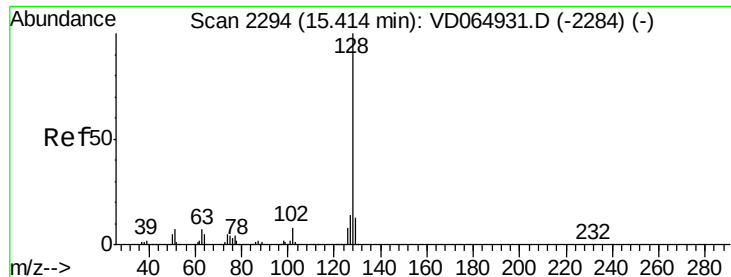
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 230.713 ug/l
 RT: 14.50 min Scan# 2138
 Delta R.T. -0.02 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Tgt Ion: 75 Resp: 589024
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.9 134.7#
 157 0.2 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: 196.477 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VD065053.D
 Acq: 03 Feb 2020 14:44

Instrument :
 MSVOA_D
 ClientSampleId :
 PD-2-(28-29)

Tot Ion:128 Resp: 8298922
 Ion Ratio Lower Upper
 128 100
 127 10.7 10.6 15.8
 129 7.8 9.3 13.9#

