

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068816.D
 Acq On : 09 Apr 2021 17:14
 Operator : VA/SY
 Sample : M1979-02RE
 Misc : 4.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-2

Quant Time: Apr 10 00:44:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

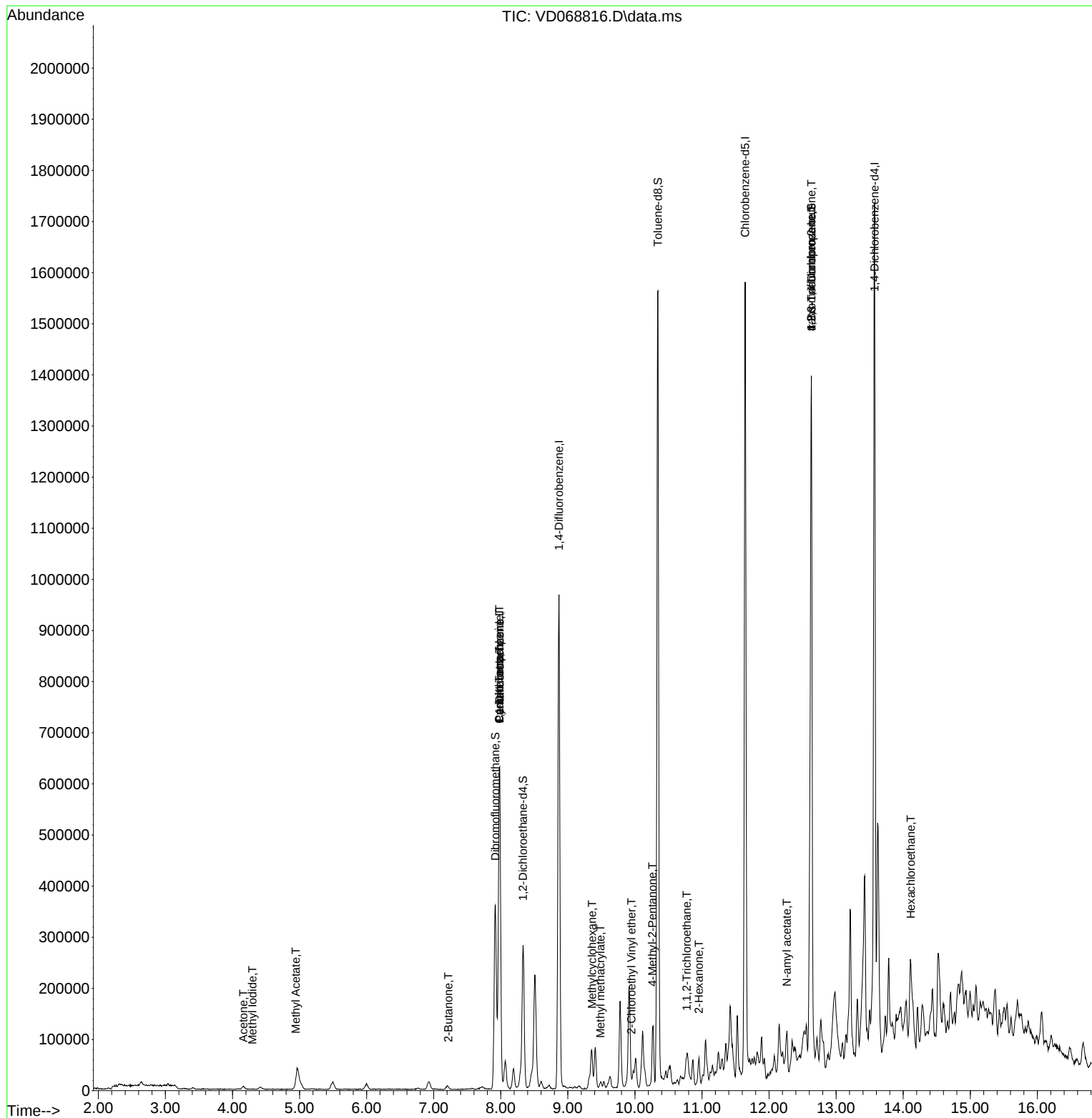
Internal Standards						
1) Pentafluorobenzene	7.985	168	496535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	875800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	929779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	461054	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	221416	42.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.38%		
35) Dibromofluoromethane	7.920	113	265976	46.69	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.38%		
50) Toluene-d8	10.344	98	1111332	51.71	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.42%		
62) 4-Bromofluorobenzene	12.632	95	431256	60.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.84%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	378	2.31	ug/l #	41
11) Tert butyl alcohol	5.214	59	408	Below Cal	#	73
16) Acetone	4.162	43	9769	13.44	ug/l	88
18) Methyl Acetate	4.944	43	2597	1.30	ug/l #	43
25) 2-Butanone	7.220	43	2113	2.05	ug/l	90
31) Cyclohexane	7.979	56	17372	1.99	ug/l #	49
36) 1,1-Dichloropropene	7.979	75	35547	4.01	ug/l #	50
38) Carbon Tetrachloride	7.979	117	48369	5.51	ug/l #	15
39) Methylcyclohexane	9.361	83	11674	1.13	ug/l #	65
48) Methyl methacrylate	9.485	41	2707	1.03	ug/l #	23
51) 4-Methyl-2-Pentanone	10.261	43	12514	4.68	ug/l #	75
55) 1,1,2-Trichloroethane	10.773	97	17879	3.66	ug/l #	26
58) 2-Chloroethyl Vinyl ether	9.950	63	54	17.01	ug/l #	44
59) 2-Hexanone	10.955	43	15477	8.65	ug/l #	28
74) N-amyl acetate	12.267	43	15529	2.72	ug/l #	50
76) 1,2,3-Trichloropropane	12.632	75	214963	51.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	214963	118.44	ug/l #	16
90) Hexachloroethane	14.114	117	6332	1.03	ug/l #	14

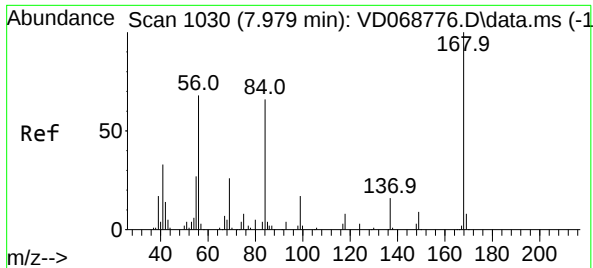
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 10 00:44:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

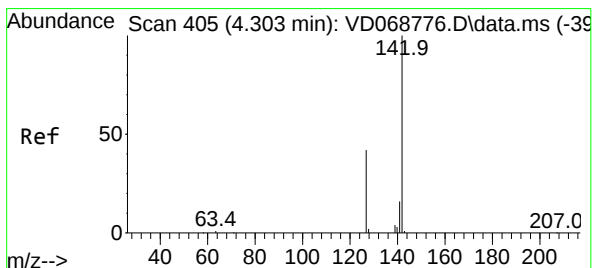
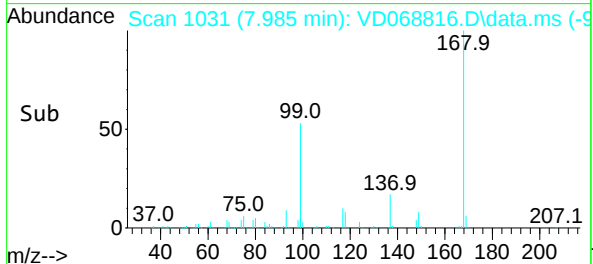
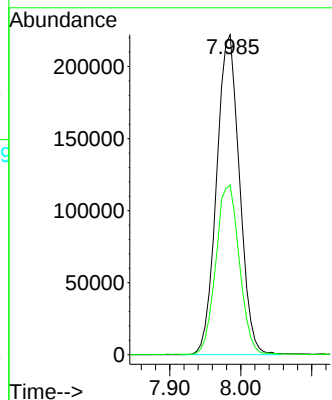
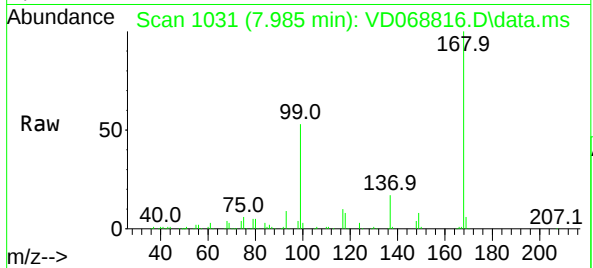




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

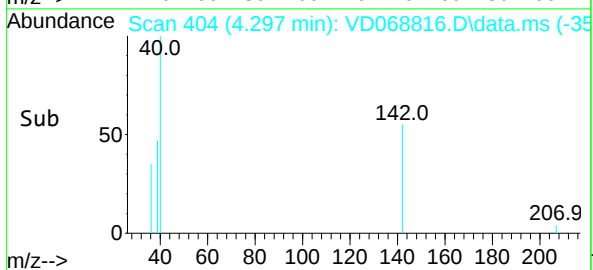
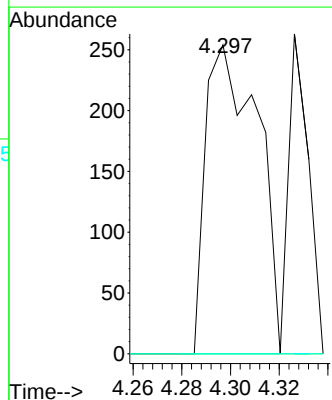
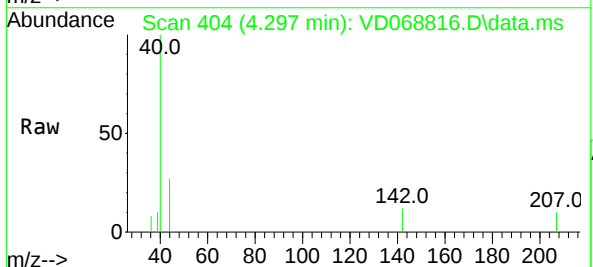
Instrument :
MSVOA_D
ClientSampled :
S-2

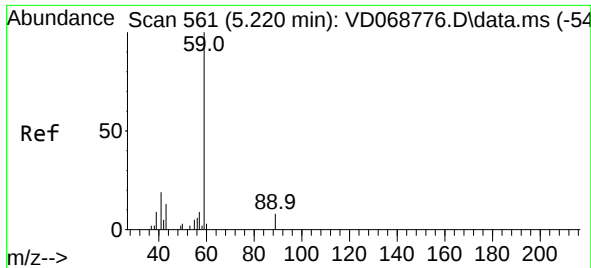
Tgt Ion:168 Resp: 496535
Ion Ratio Lower Upper
168 100
99 52.9 46.2 69.2



#10
Methyl Iodide
Concen: 2.31 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion:142 Resp: 378
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

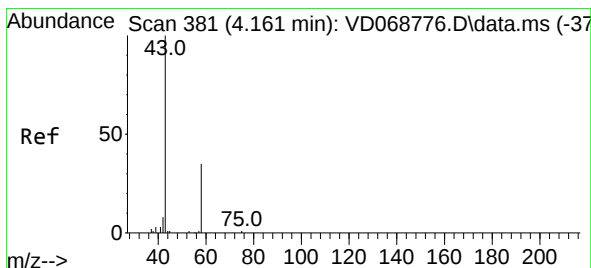
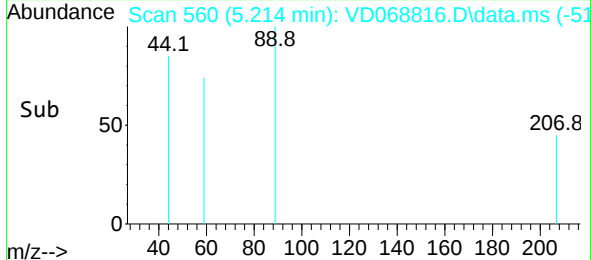
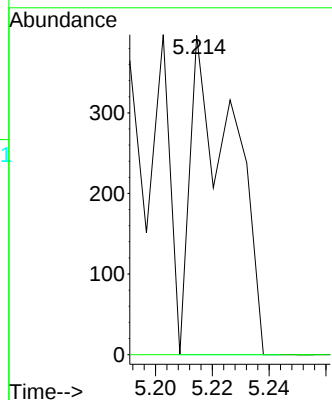
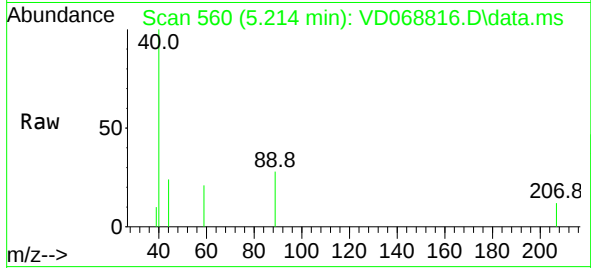




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

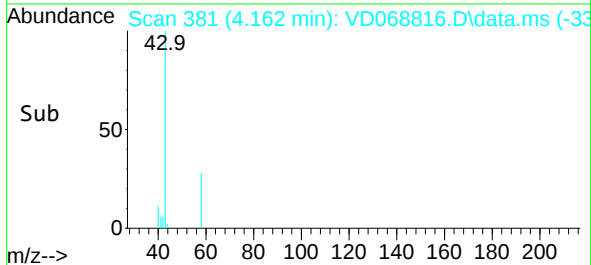
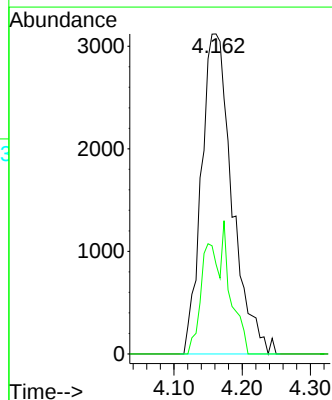
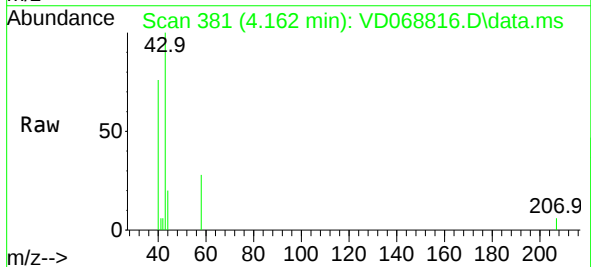
Instrument :
MSVOA_D
ClientSampleId :
S-2

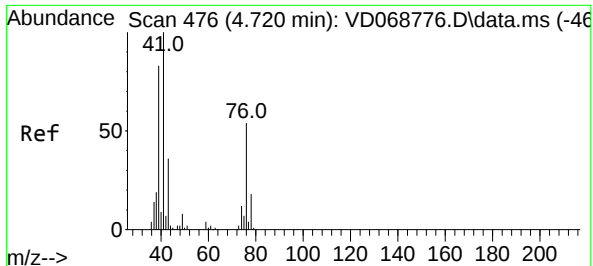
Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 13.44 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 43 Resp: 9769
Ion Ratio Lower Upper
43 100
58 28.0 28.0 42.0

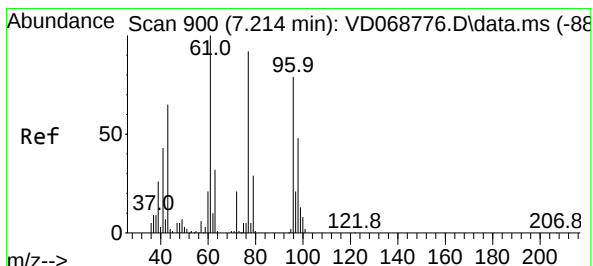
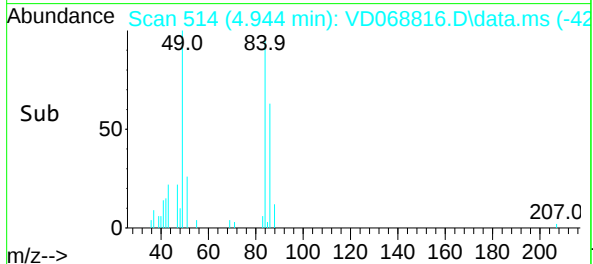
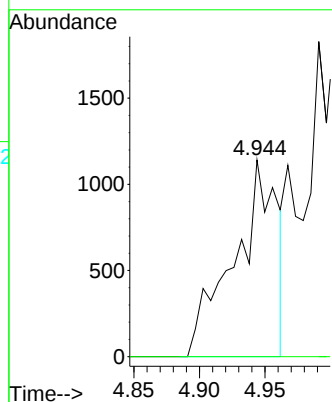
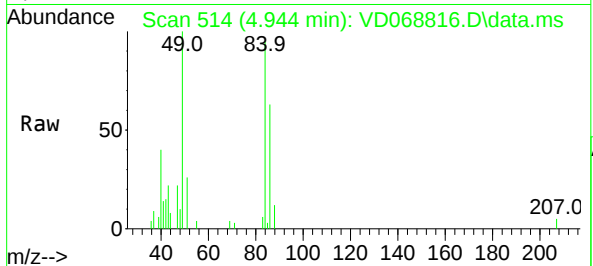




#18
Methyl Acetate
Concen: 1.30 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.224 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

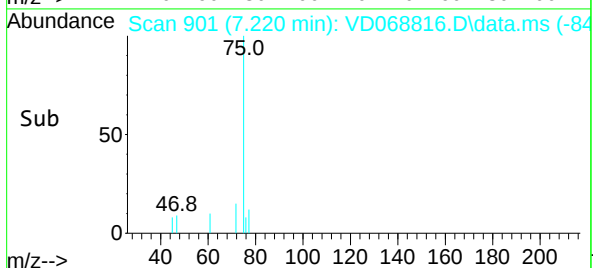
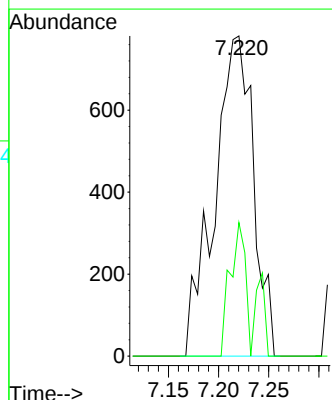
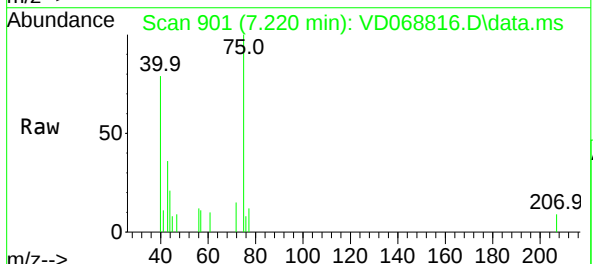
Instrument :
MSVOA_D
ClientSampleId :
S-2

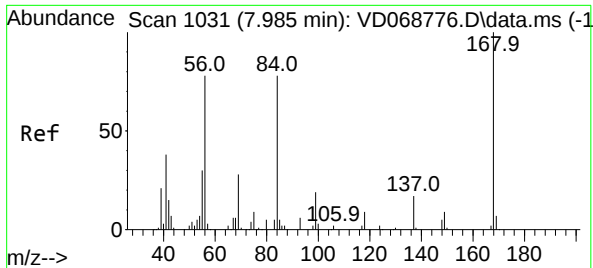
Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#25
2-Butanone
Concen: 2.05 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 43 Resp: 2113
Ion Ratio Lower Upper
43 100
72 41.7 28.6 43.0

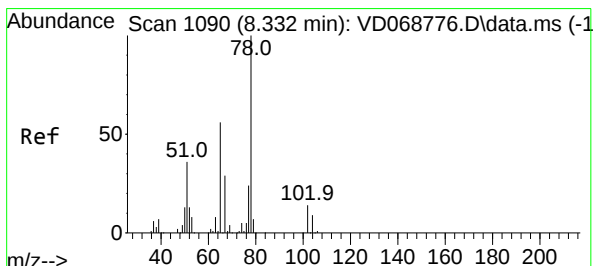
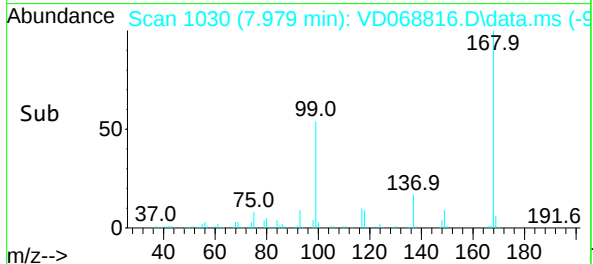
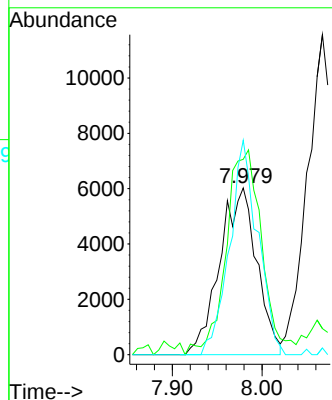
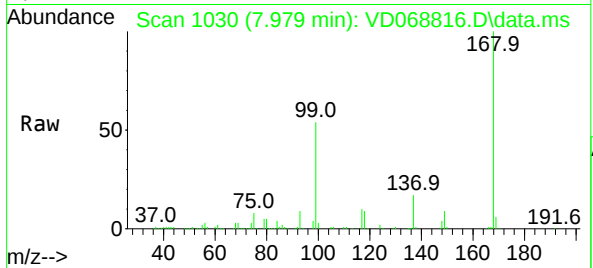




#31
Cyclohexane
Concen: 1.99 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

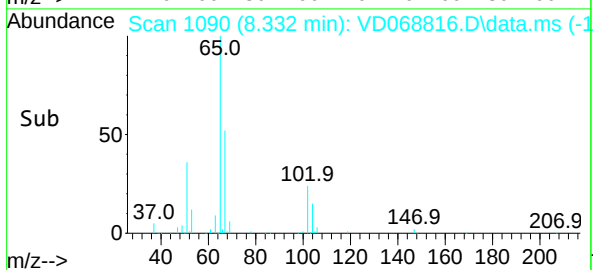
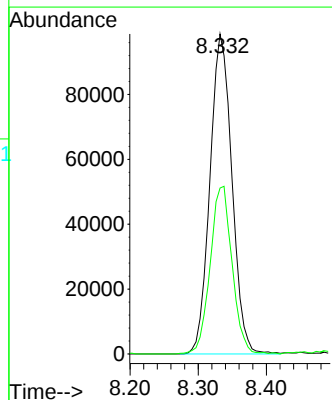
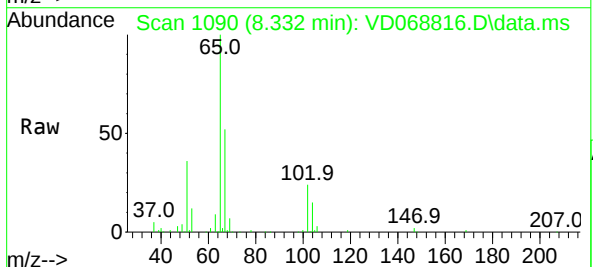
Instrument :
MSVOA_D
ClientSampled :
S-2

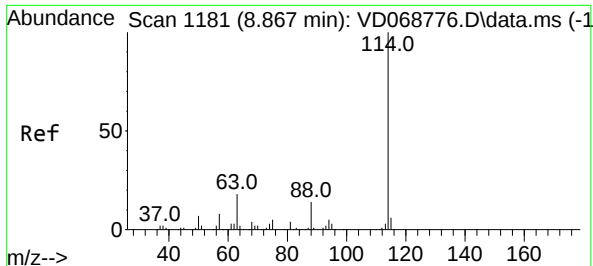
Tgt Ion: 56 Resp: 17372
Ion Ratio Lower Upper
56 100
69 110.1 30.0 45.0#
84 128.5 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 42.19 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 65 Resp: 221416
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0

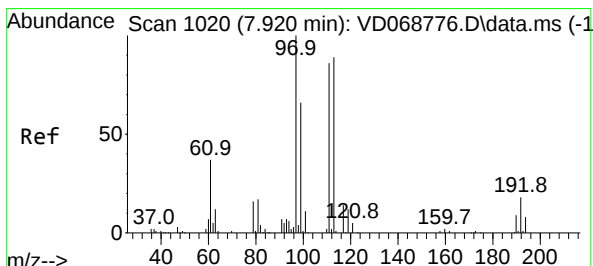
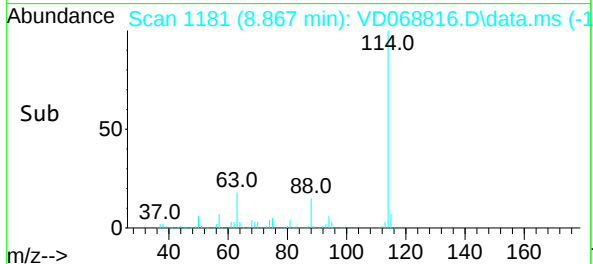
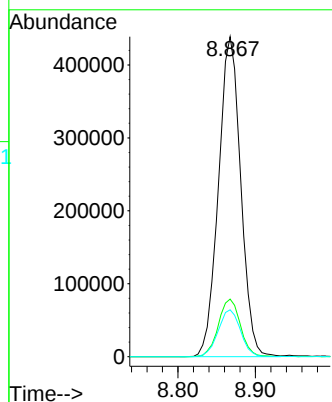
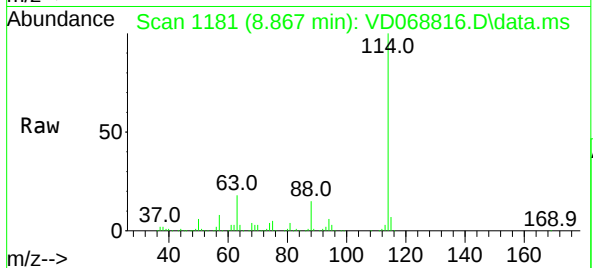




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

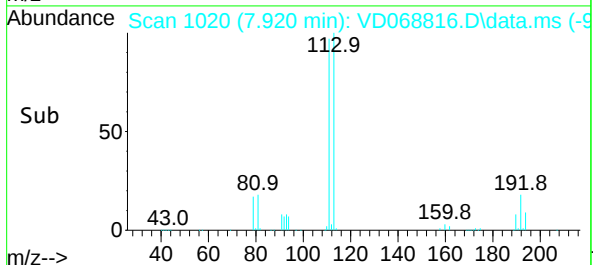
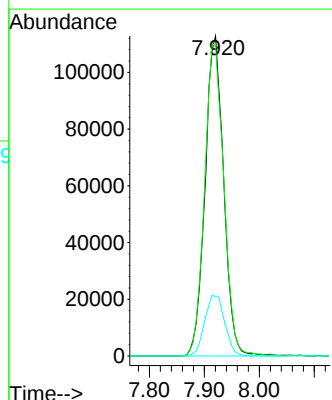
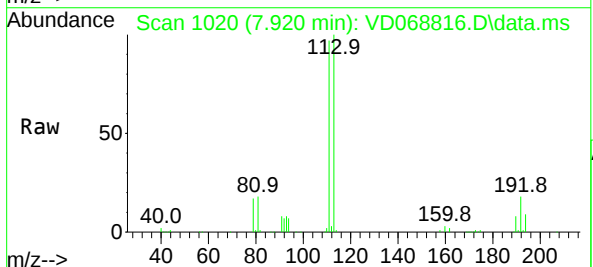
Instrument :
MSVOA_D
ClientSampleId :
S-2

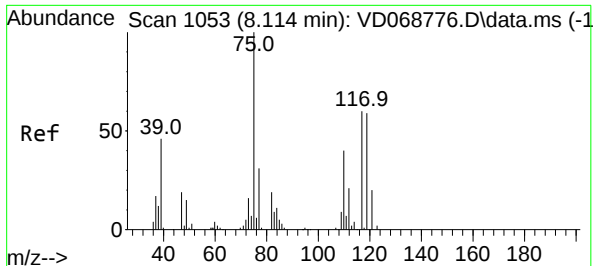
Tgt Ion:114 Resp: 875800
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.69 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion:113 Resp: 265976
Ion Ratio Lower Upper
113 100
111 100.8 82.5 123.7
192 20.3 15.1 22.7

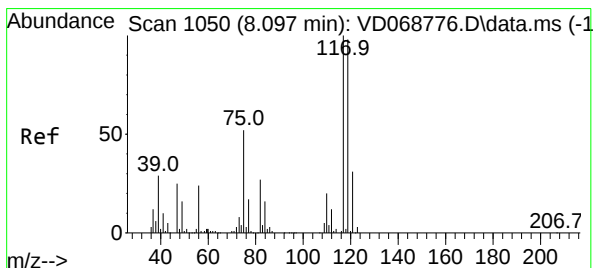
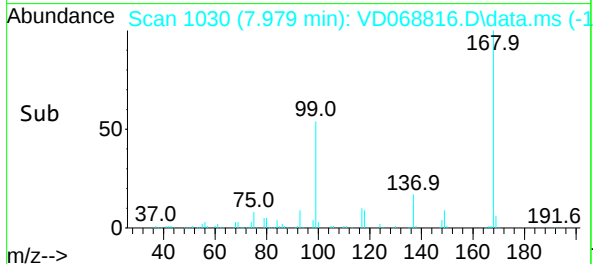
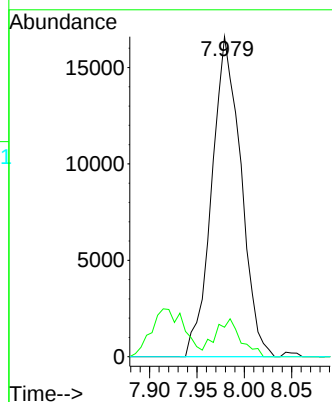
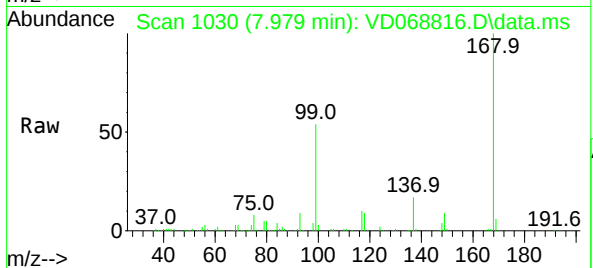




#36
1,1-Dichloropropene
Concen: 4.01 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

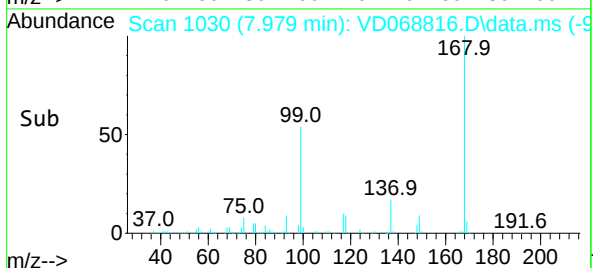
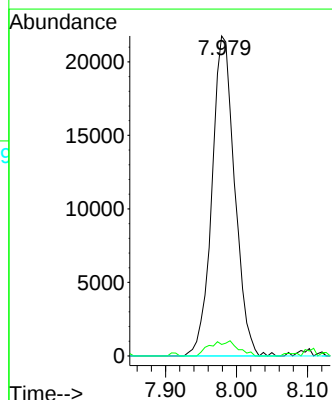
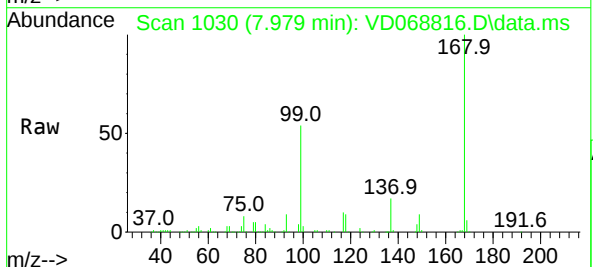
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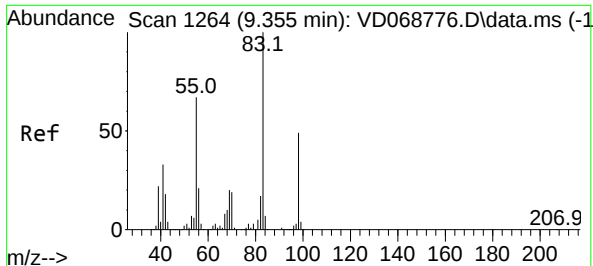
Tgt Ion: 75 Resp: 35547
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.51 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 117 Resp: 48369
Ion Ratio Lower Upper
117 100
119 3.6 76.6 115.0#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 1.13 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VD068816.D

Acq: 09 Apr 2021 17:14

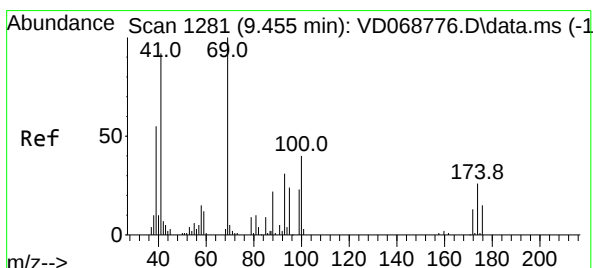
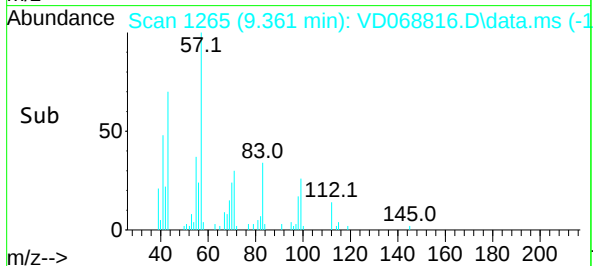
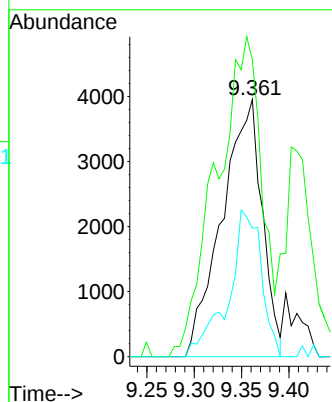
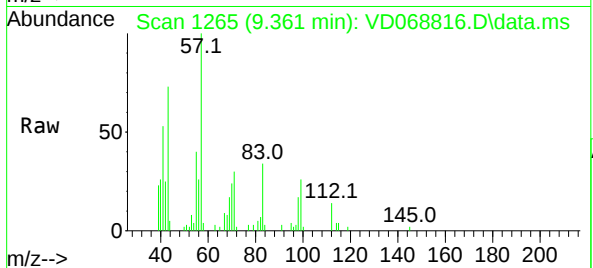
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 83	Resp: 11674
Ion Ratio	Lower Upper
83 100	
55 111.3	51.7 77.5#
98 49.9	38.8 58.2



#48

Methyl methacrylate

Concen: 1.03 ug/l

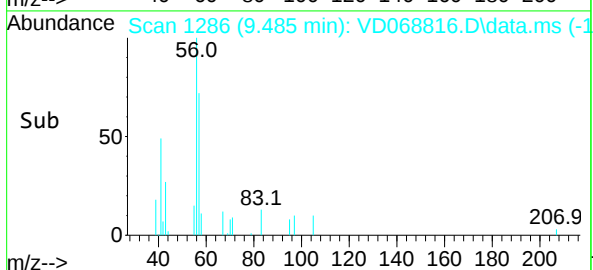
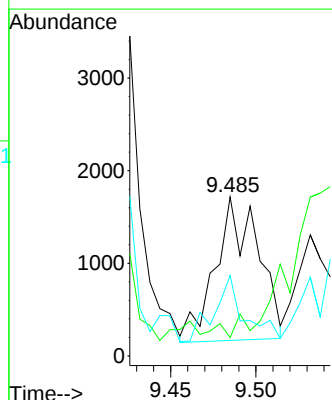
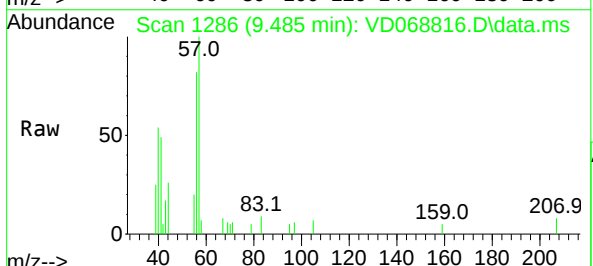
RT: 9.485 min Scan# 1286

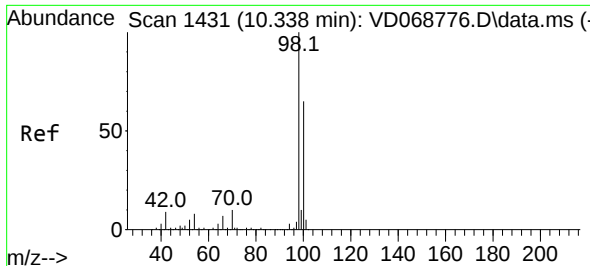
Delta R.T. 0.030 min

Lab File: VD068816.D

Acq: 09 Apr 2021 17:14

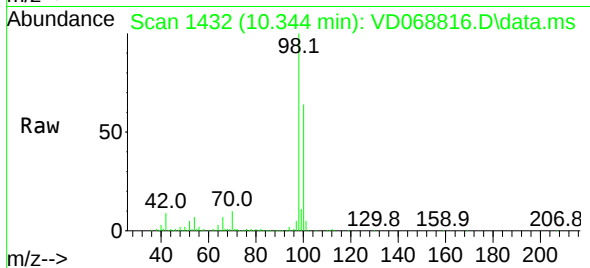
Tgt Ion: 41	Resp: 2707
Ion Ratio	Lower Upper
41 100	
69 0.0	83.0 124.6#
39 32.7	47.0 70.6#



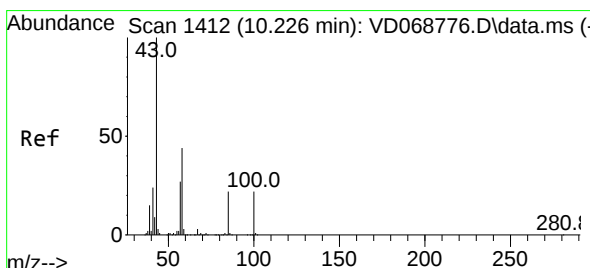
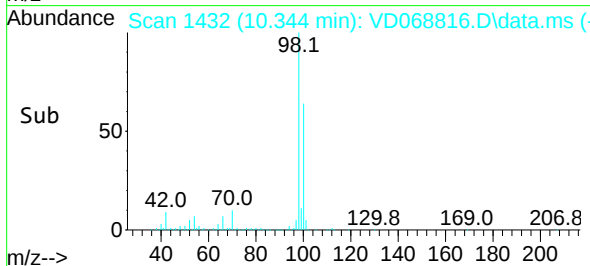
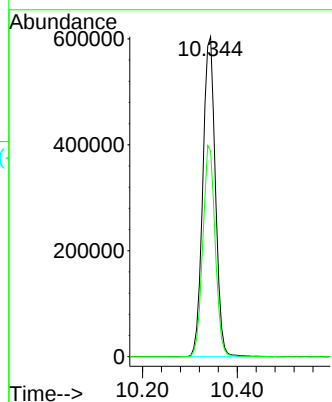


#50
Toluene-d8
Concen: 51.71 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Instrument :
MSVOA_D
ClientSampled :
S-2

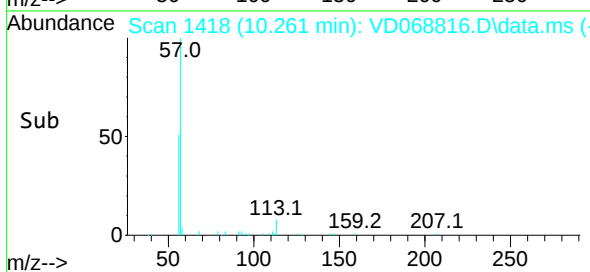
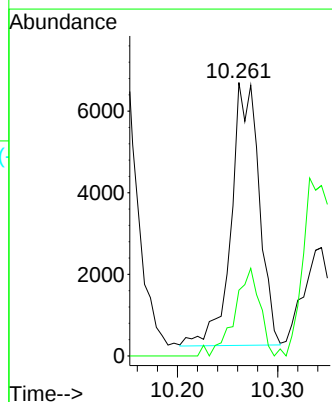
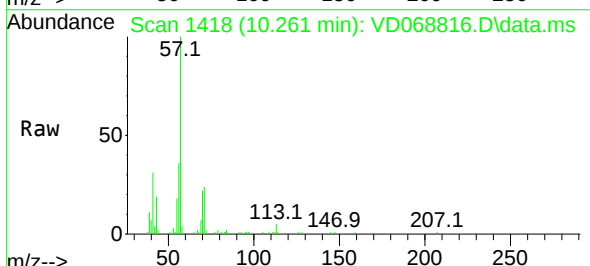


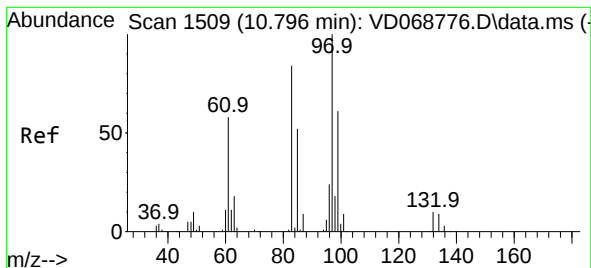
Tgt Ion: 98 Resp: 1111332
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.68 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 43 Resp: 12514
Ion Ratio Lower Upper
43 100
58 30.0 37.3 55.9#

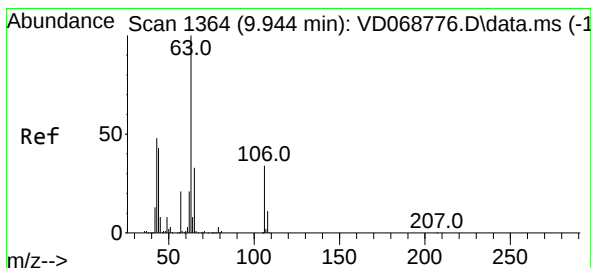
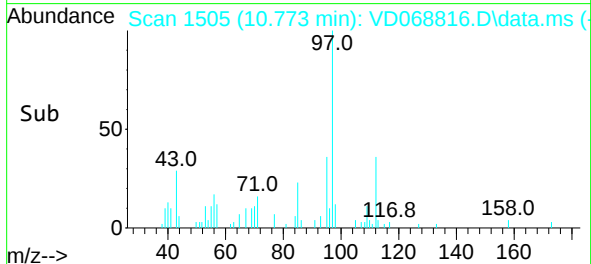
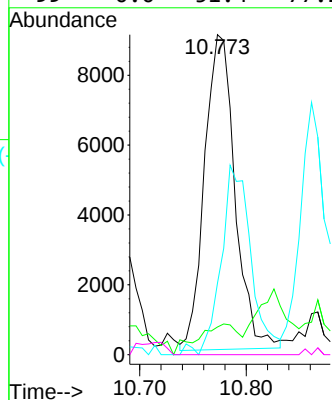
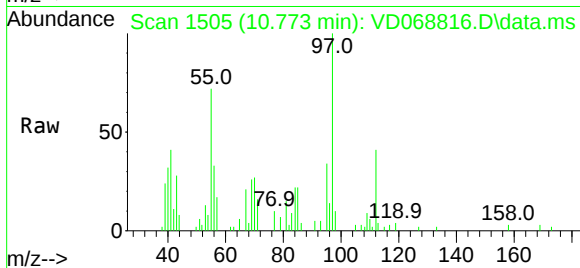




#55
1,1,2-Trichloroethane
Concen: 3.66 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

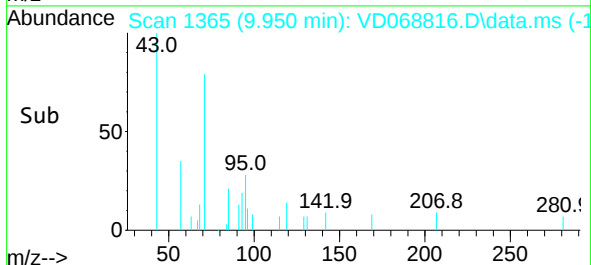
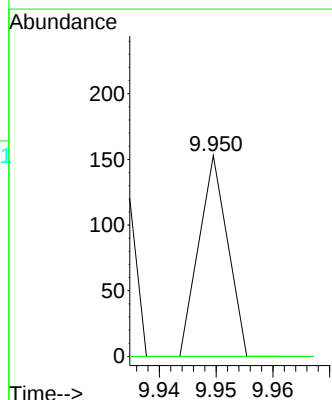
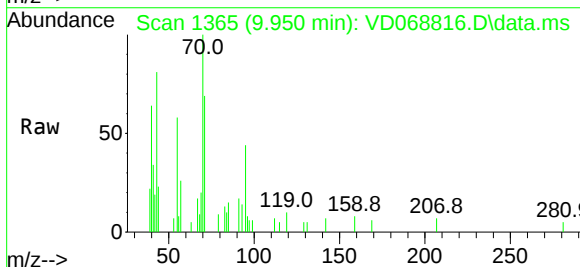
Instrument :
MSVOA_D
ClientSampled :
S-2

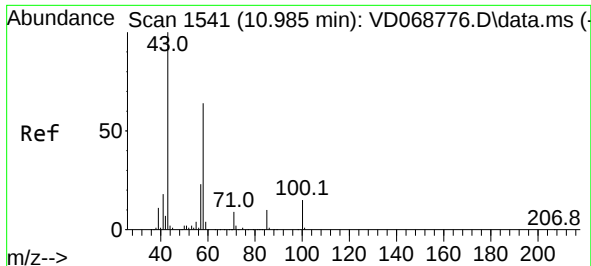
Tgt Ion:	97	Resp:	17879
Ion	Ratio	Lower	Upper
97	100		
83	4.1	65.7	98.5#
85	23.1	44.3	66.5#
99	0.0	51.4	77.2#



#58
2-Chloroethyl Vinyl ether
Concen: 17.01 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.005 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion:	63	Resp:	54
Ion	Ratio	Lower	Upper
63	100		
106	0.0	24.6	36.8#

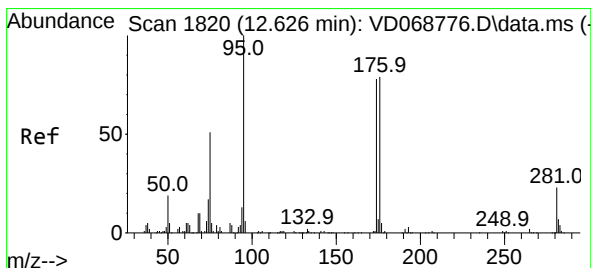
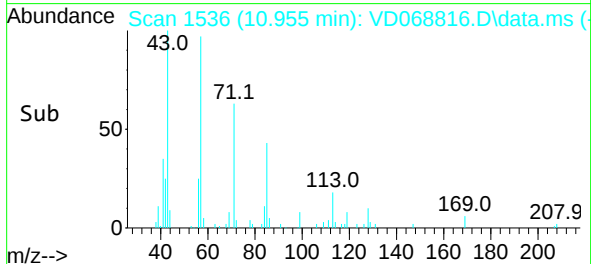
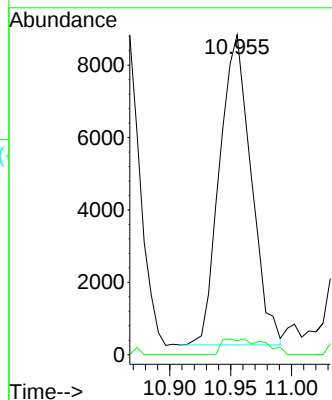
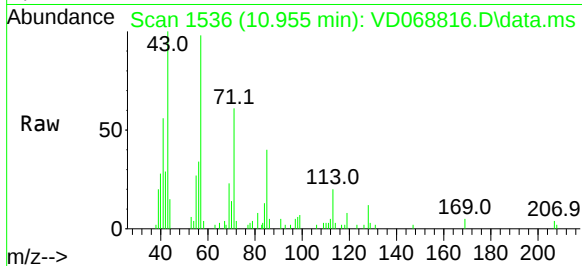




#59
2-Hexanone
Concen: 8.65 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

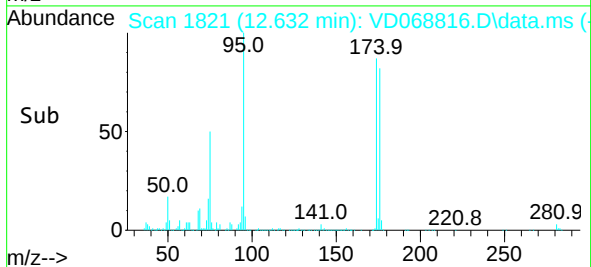
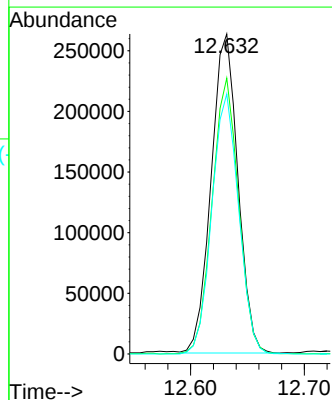
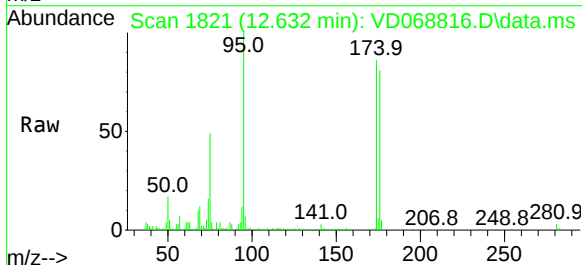
Instrument :
MSVOA_D
ClientSampled :
S-2

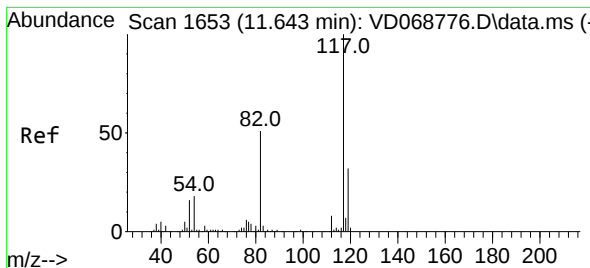
Tgt Ion: 43 Resp: 15477
Ion Ratio Lower Upper
43 100
58 7.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 60.42 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 95 Resp: 431256
Ion Ratio Lower Upper
95 100
174 85.4 0.0 168.0
176 81.5 0.0 160.2

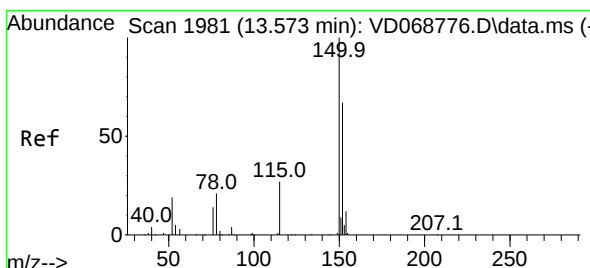
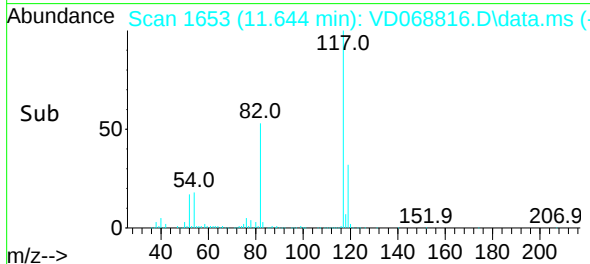
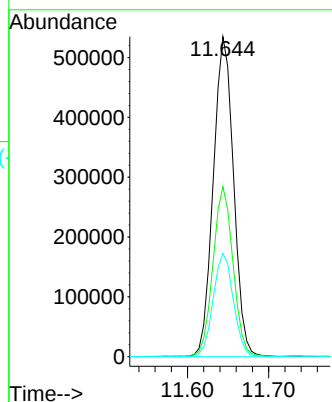
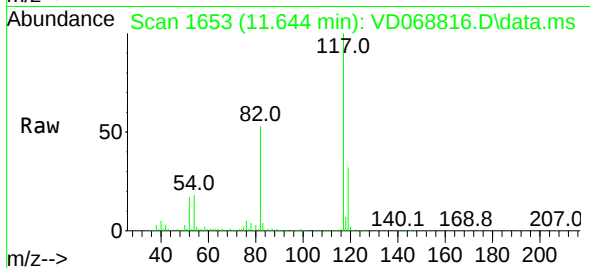




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

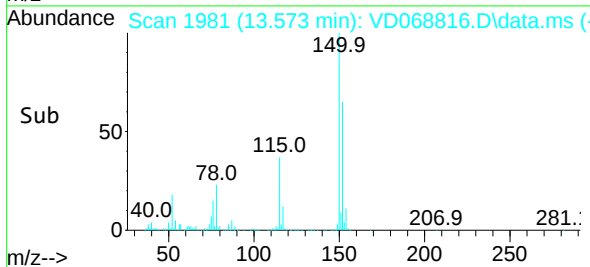
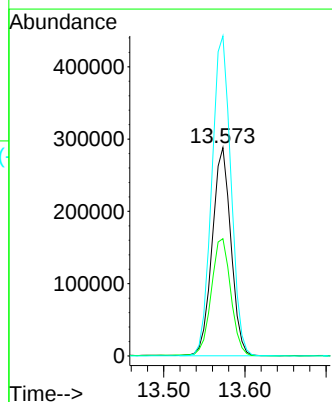
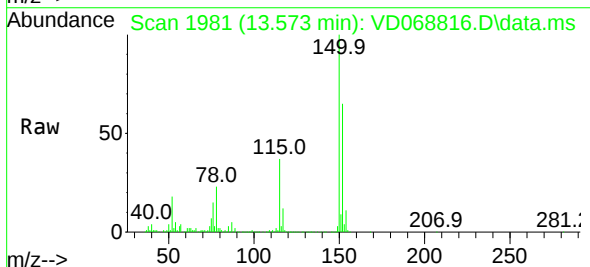
Instrument :
MSVOA_D
ClientSampleId :
S-2

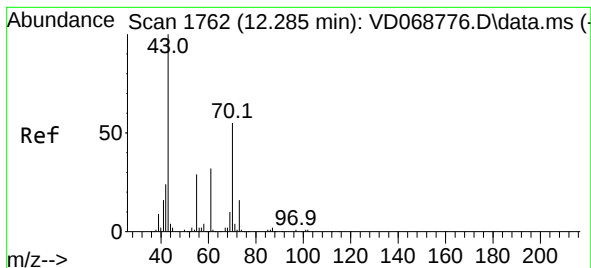
Tgt Ion:117 Resp: 929779
Ion Ratio Lower Upper
117 100
82 53.0 43.5 65.3
119 32.2 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion:152 Resp: 461054
Ion Ratio Lower Upper
152 100
115 59.4 29.3 87.8
150 157.3 0.0 347.6

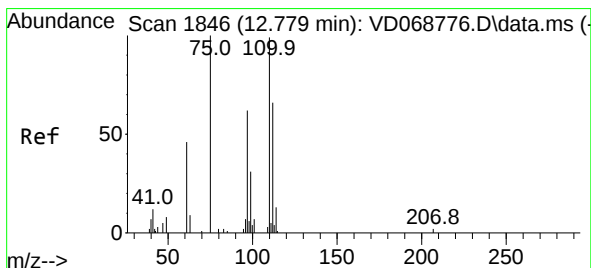
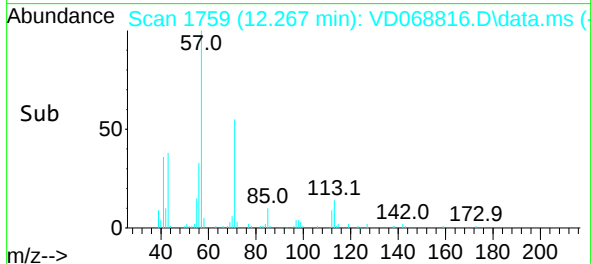
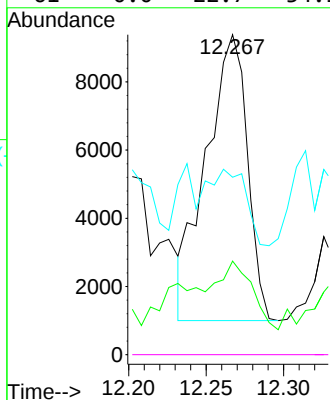
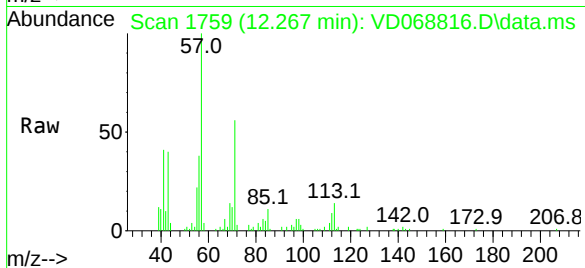




#74
N-amy1 acetate
Concen: 2.72 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

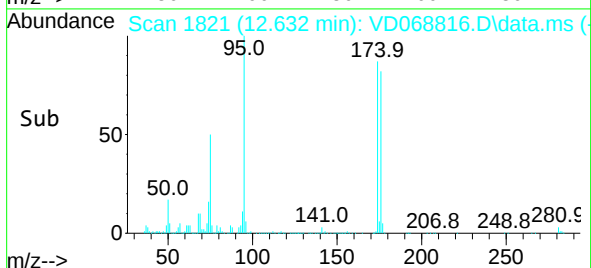
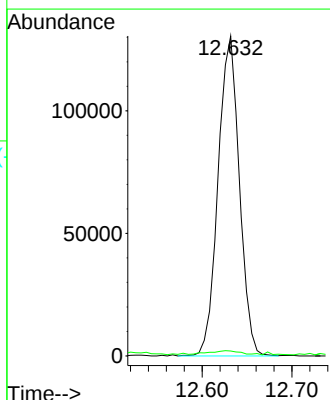
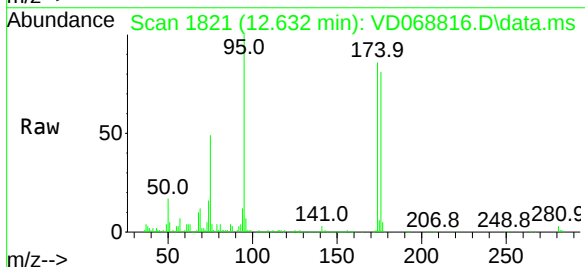
Instrument :
MSVOA_D
ClientSampled :
S-2

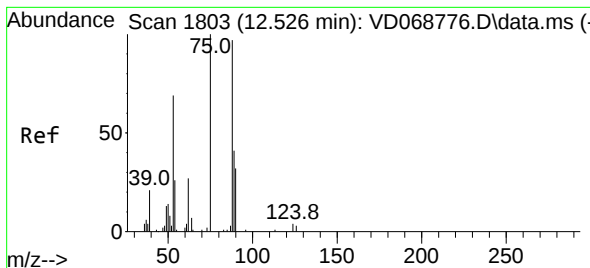
Tgt Ion: 43	Resp: 15529
Ion Ratio	Lower Upper
43 100	
70 20.0	41.9 62.9#
55 0.0	22.8 34.2#
61 0.0	22.7 34.1#



#76
1,2,3-Trichloropropane
Concen: 51.04 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 75	Resp: 214963
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

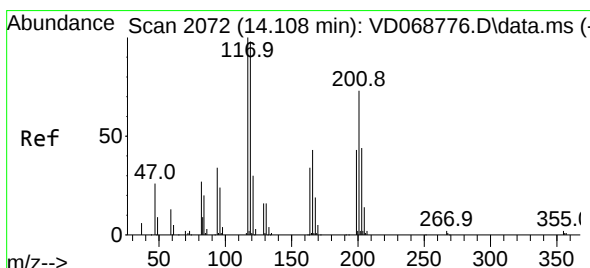
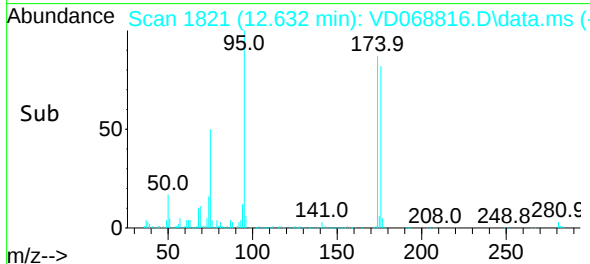
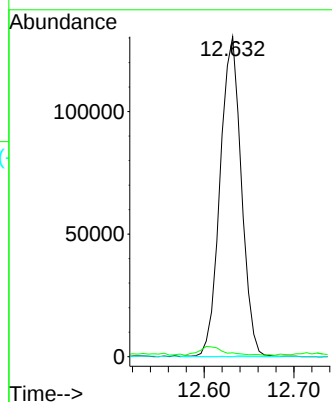
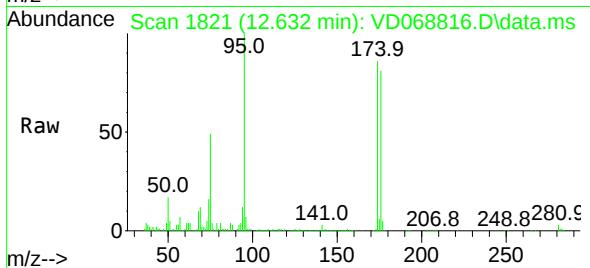




#81
trans-1,4-Dichloro-2-butene
Concen: 118.44 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Instrument :
MSVOA_D
ClientSampleId :
S-2

Tgt Ion: 75 Resp: 214963
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 36.6 54.8#



#90
Hexachloroethane
Concen: 1.03 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068816.D
Acq: 09 Apr 2021 17:14

Tgt Ion: 117 Resp: 6332
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#

