

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069201.D
 Acq On : 19 May 2021 17:24
 Operator : VA/SY
 Sample : M2420-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCESSION-CP-4

Quant Time: May 20 01:02:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

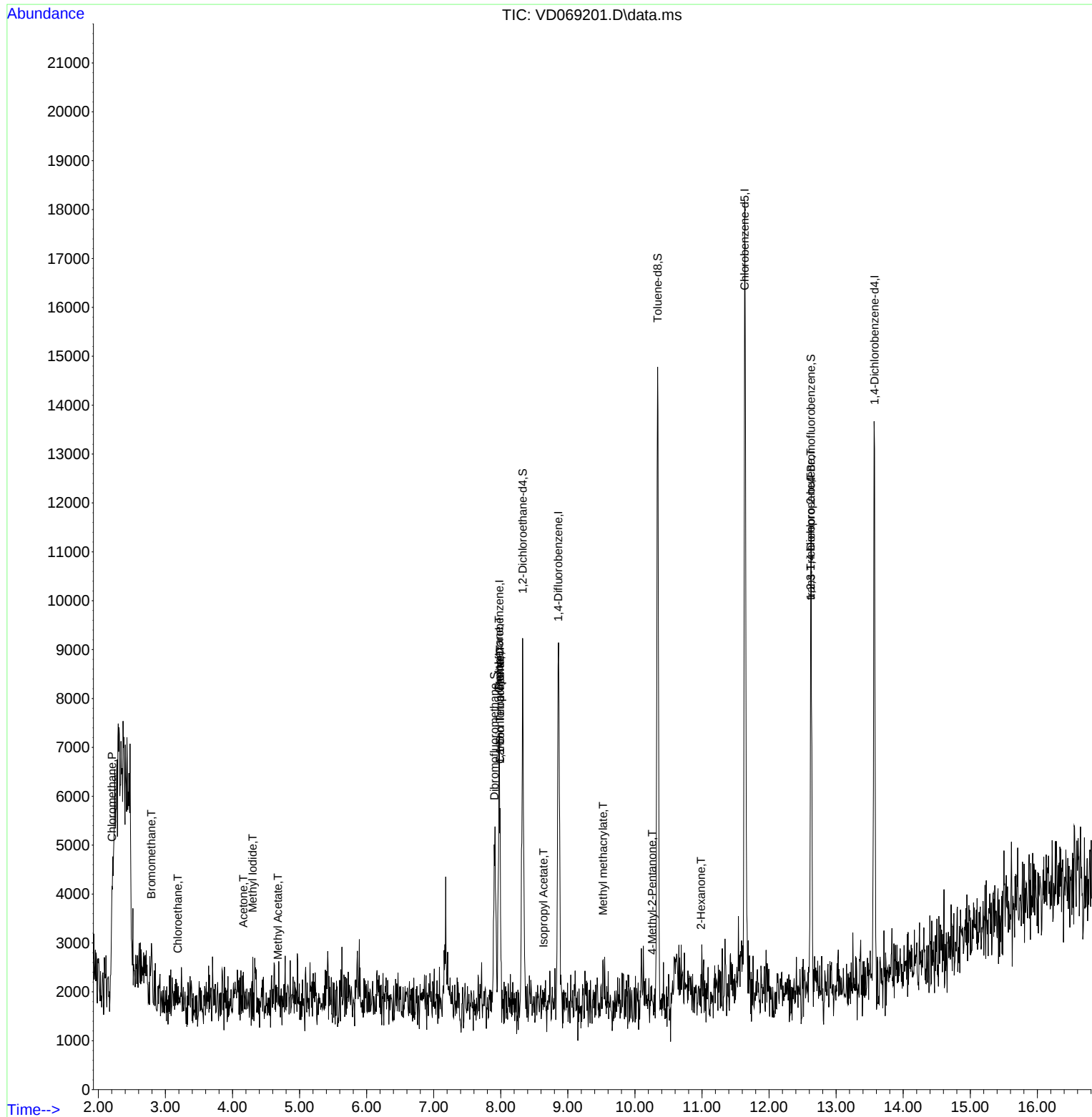
Internal Standards						
1) Pentafluorobenzene	7.979	168	4285	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	7980	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.638	117	9333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	3593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5698	132.64	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	265.28%	#	
35) Dibromofluoromethane	7.902	113	2529	48.70	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.40%		
50) Toluene-d8	10.338	98	9478	49.67	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.34%		
62) 4-Bromofluorobenzene	12.626	95	3377	55.00	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	110.00%		
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	498	9.51	ug/l	# 42
5) Bromomethane	2.791	94	983	18.93	ug/l	# 59
6) Chloroethane	3.185	64	58	1.31	ug/l	# 43
10) Methyl Iodide	4.303	142	193	4.74	ug/l	# 38
16) Acetone	4.161	43	151	22.95	ug/l	# 65
18) Methyl Acetate	4.679	43	58	3.63	ug/l	# 45
20) Methylene Chloride	4.967	84	77	Below Cal	#	31
31) Cyclohexane	7.973	56	141	2.21	ug/l	# 6
36) 1,1-Dichloropropene	7.991	75	271	3.49	ug/l	# 40
38) Carbon Tetrachloride	7.991	117	271	3.12	ug/l	# 12
43) Isopropyl Acetate	8.638	43	71	1.57	ug/l	# 46
48) Methyl methacrylate	9.526	41	54	2.58	ug/l	# 4
51) 4-Methyl-2-Pentanone	10.255	43	82	3.52	ug/l	# 32
59) 2-Hexanone	10.985	43	58	3.73	ug/l	# 19
76) 1,2,3-Trichloropropane	12.620	75	1345	49.80	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	1345	100.59	ug/l	# 14

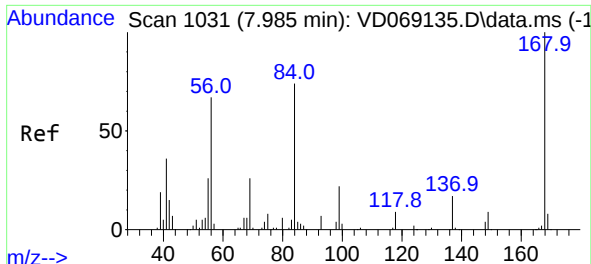
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 01:02:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
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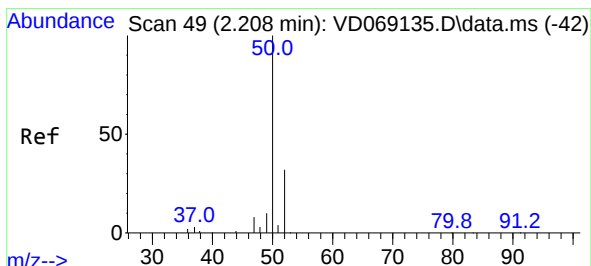
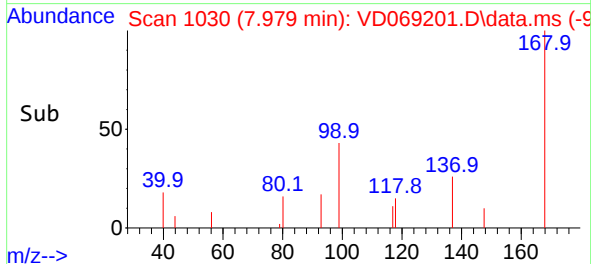
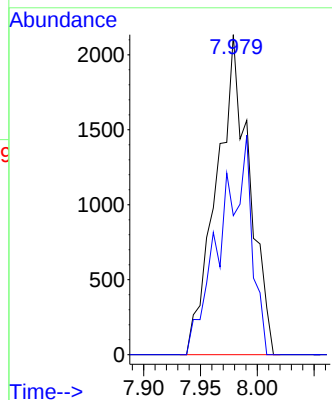
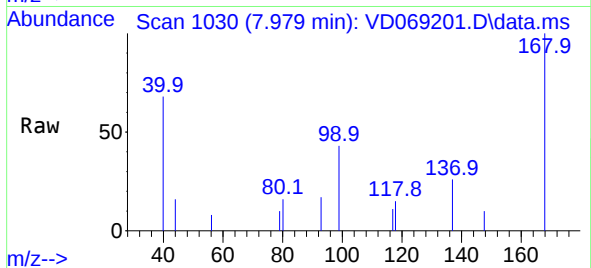




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

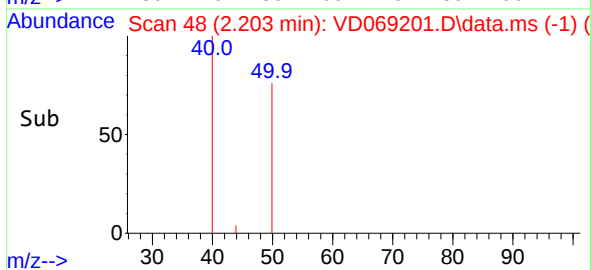
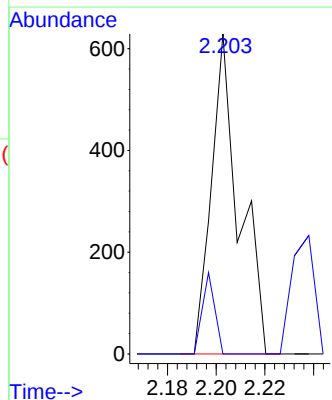
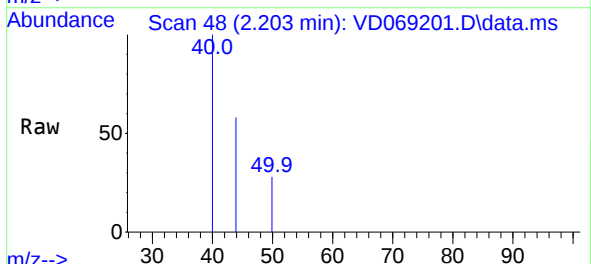
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

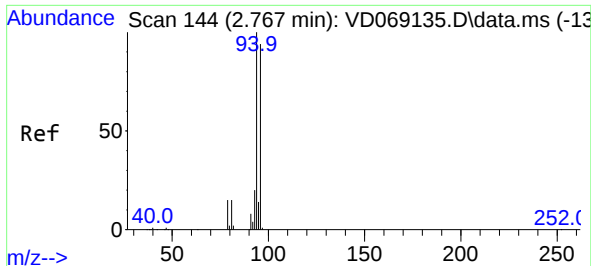
Tgt Ion:168 Resp: 4285
Ion Ratio Lower Upper
168 100
99 43.4 47.2 70.8#



#3
Chloromethane
Concen: 9.51 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion: 50 Resp: 498
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

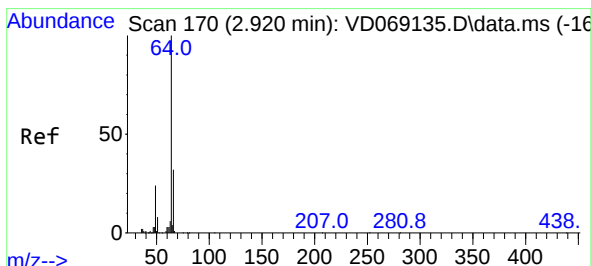
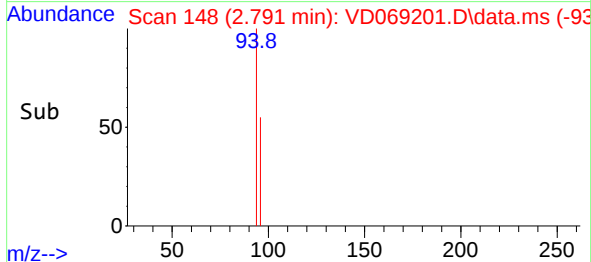
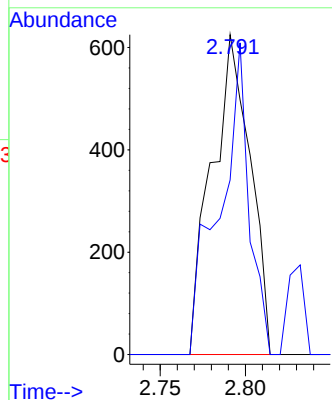
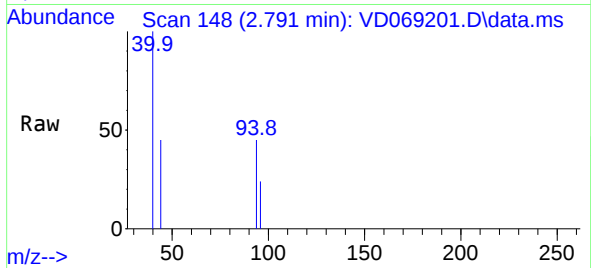




#5
Bromomethane
Concen: 18.93 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

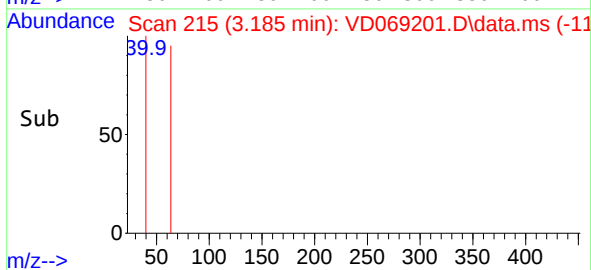
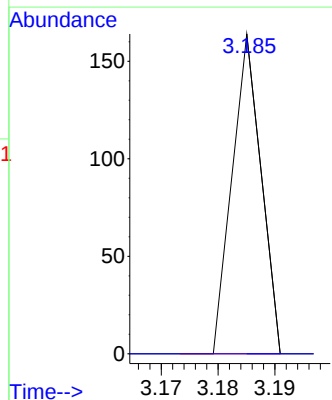
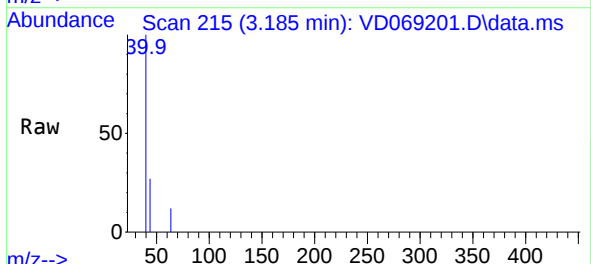
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

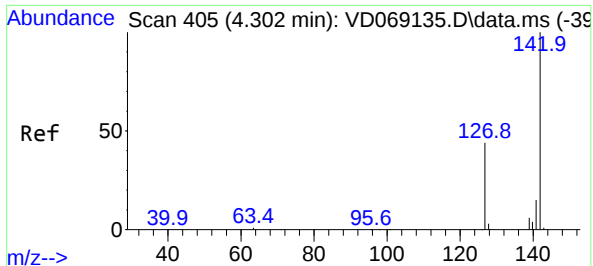
Tgt Ion: 94 Resp: 983
Ion Ratio Lower Upper
94 100
96 54.6 75.4 113.0#



#6
Chloroethane
Concen: 1.31 ug/l
RT: 3.185 min Scan# 215
Delta R.T. 0.265 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

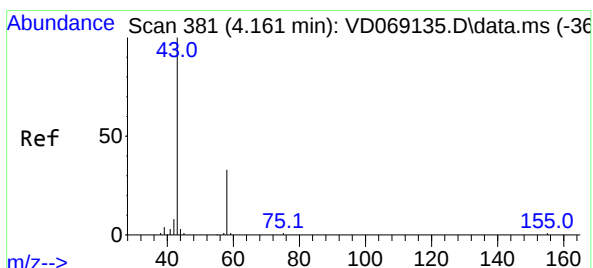
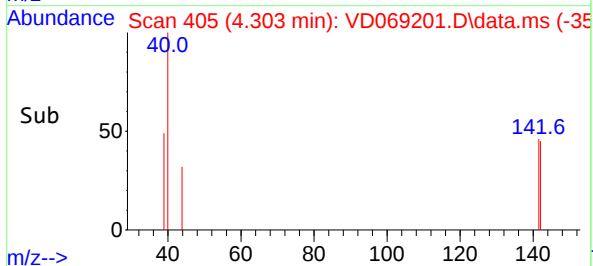
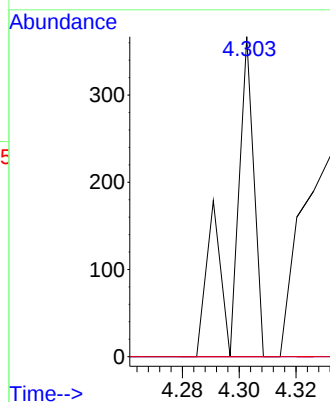
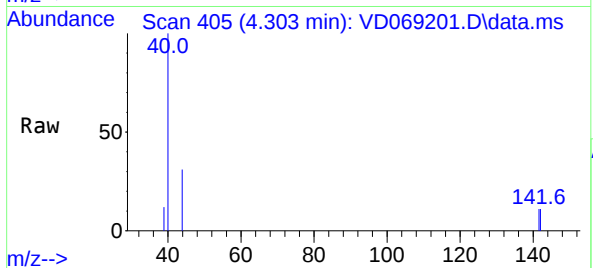




#10
Methyl Iodide
Concen: 4.74 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

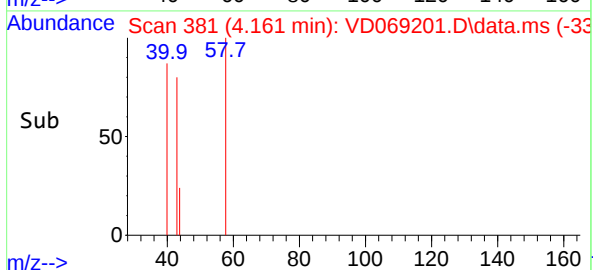
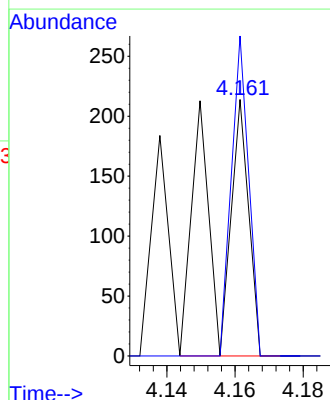
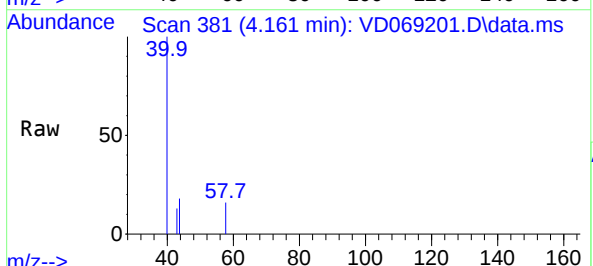
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

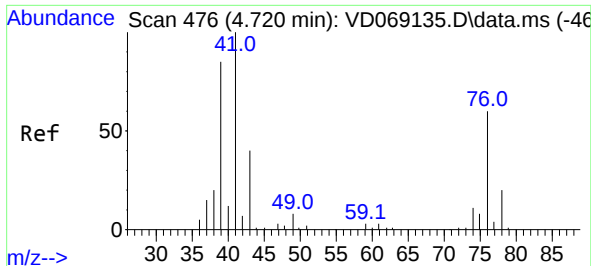
Tgt Ion:142 Resp: 193
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#



#16
Acetone
Concen: 22.95 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
58 53.3 26.7 40.1#

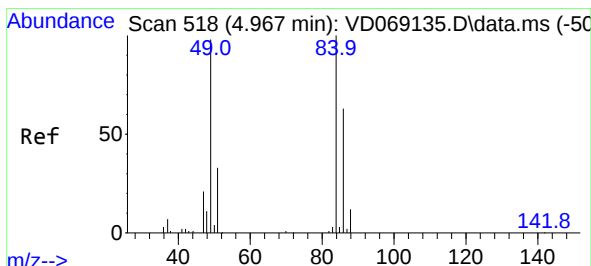
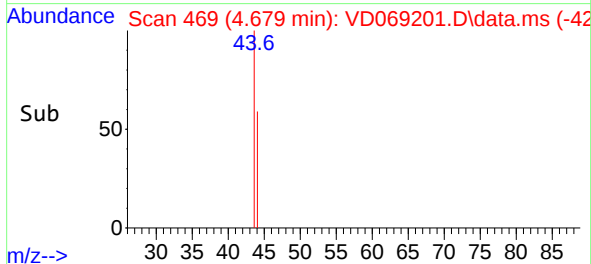
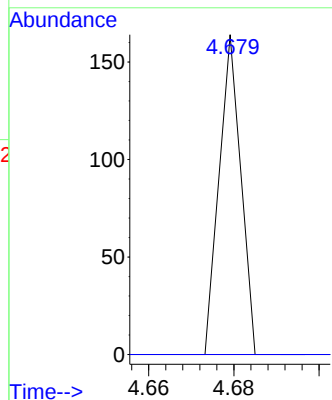
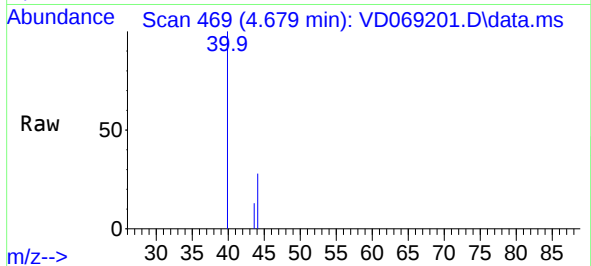




#18
Methyl Acetate
Concen: 3.63 ug/l
RT: 4.679 min Scan# 469
Delta R.T. -0.041 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

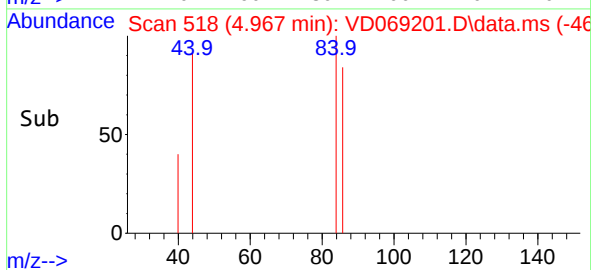
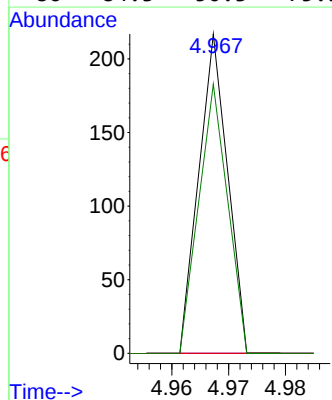
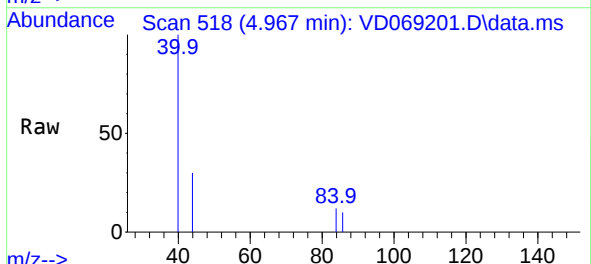
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

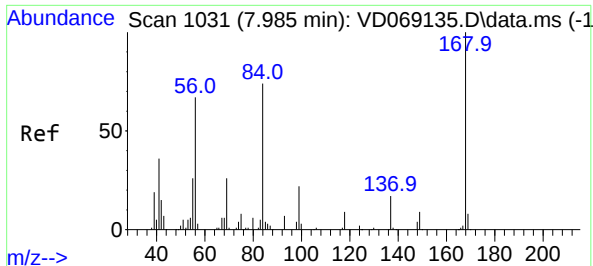
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

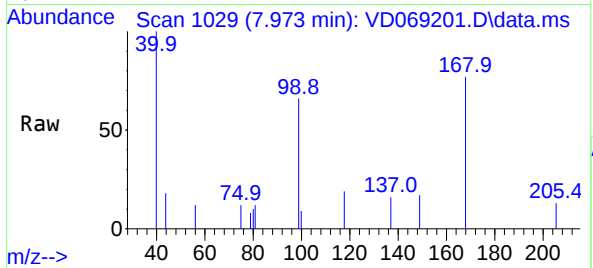
Tgt Ion: 84 Resp: 77
Ion Ratio Lower Upper
84 100
49 0.0 78.6 117.8#
51 0.0 26.7 40.1#
86 84.3 50.3 75.5#



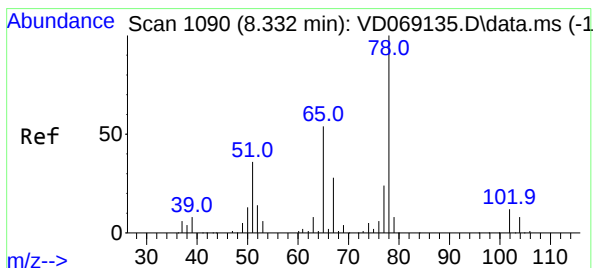
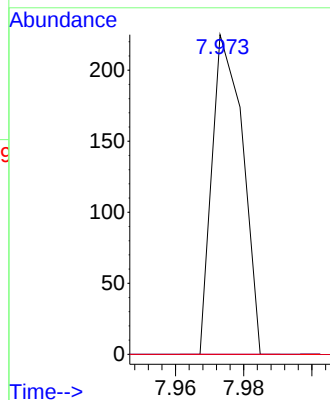
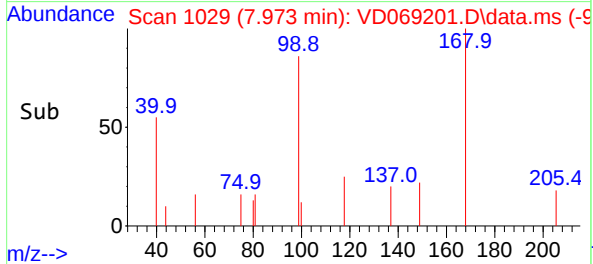


#31
Cyclohexane
Concen: 2.21 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

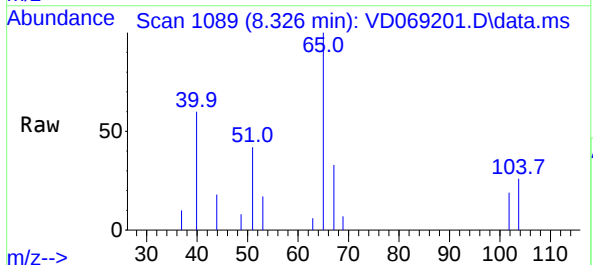
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4



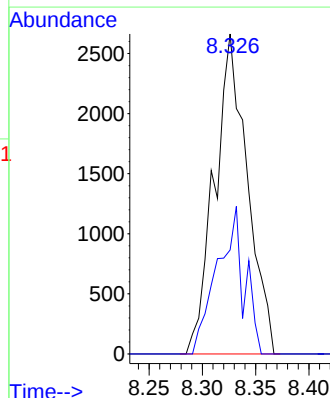
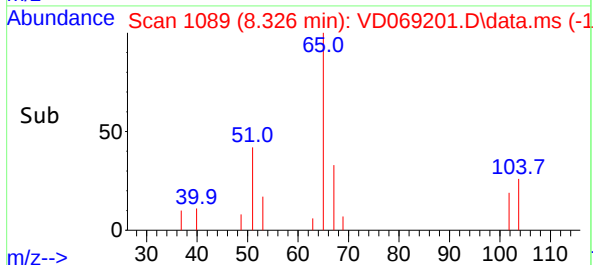
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
69 0.0 30.6 46.0#
84 0.0 88.0 132.0#

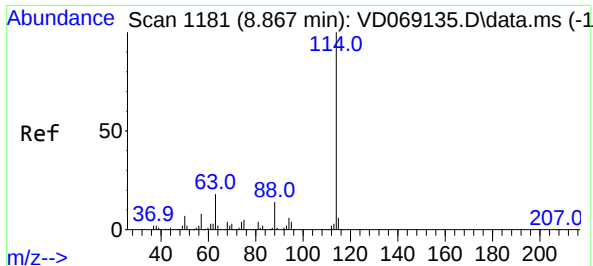


#33
1,2-Dichloroethane-d4
Concen: 132.64 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24



Tgt Ion: 65 Resp: 5698
Ion Ratio Lower Upper
65 100
67 38.0 0.0 108.0



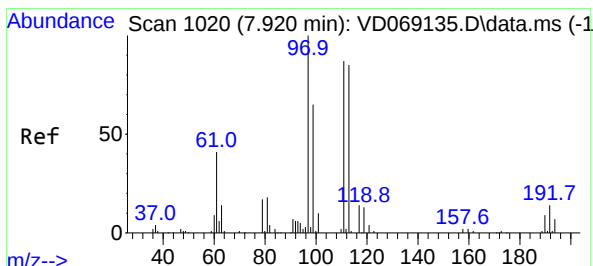
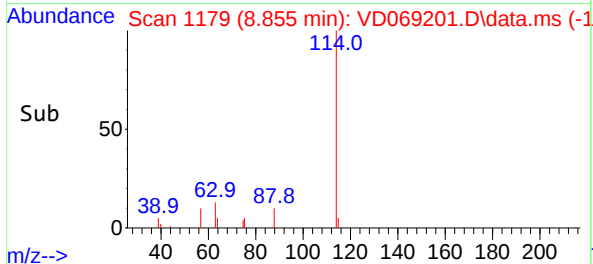
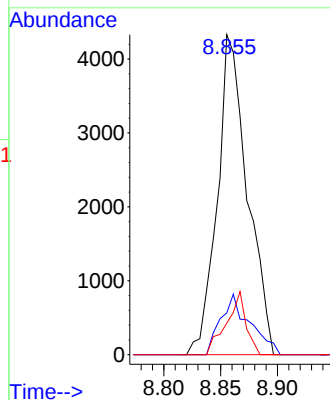
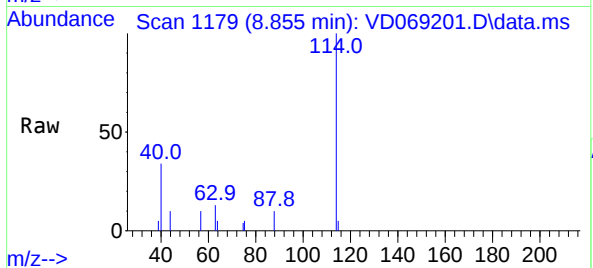


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.012 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Instrument :
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ClientSampleId :
CONCESSION-CP-4

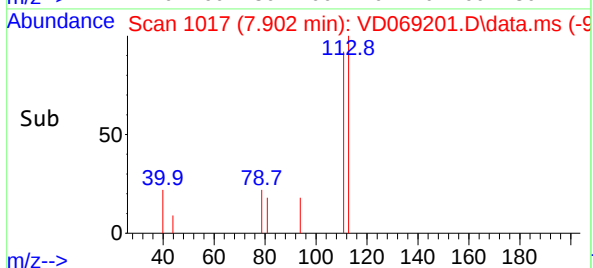
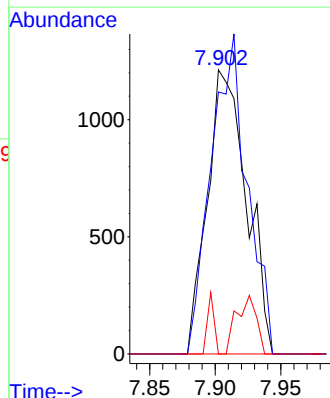
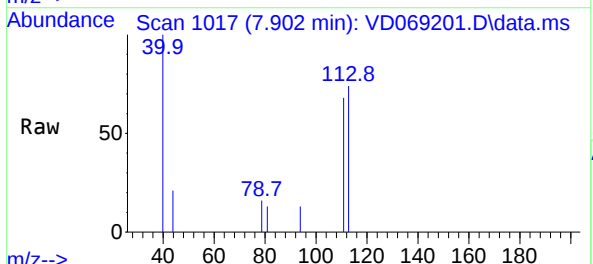
Tgt Ion:	114	Resp:	7980
Ion	Ratio	Lower	Upper
114	100		
63	13.0	0.0	36.4
88	9.8	0.0	28.2

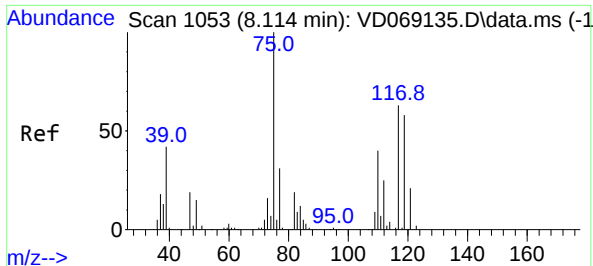


#35

Dibromofluoromethane
Concen: 48.70 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.017 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion:	113	Resp:	2529
Ion	Ratio	Lower	Upper
113	100		
111	0.0	80.6	120.8#
192	3.6	14.8	22.2#

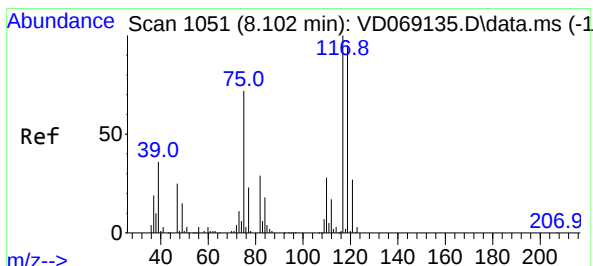
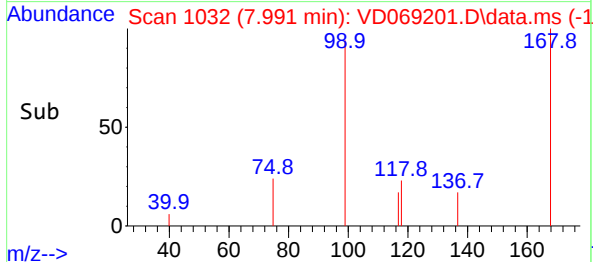
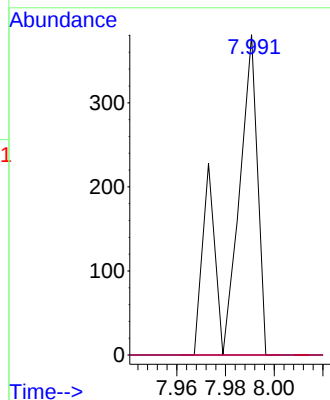
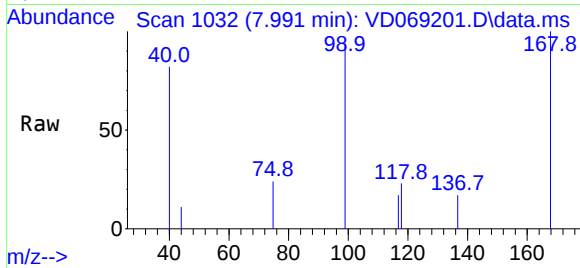




#36
1,1-Dichloropropene
Concen: 3.49 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.123 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

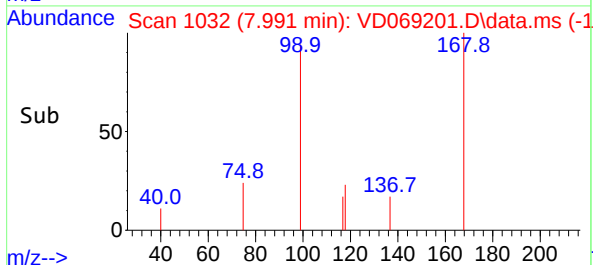
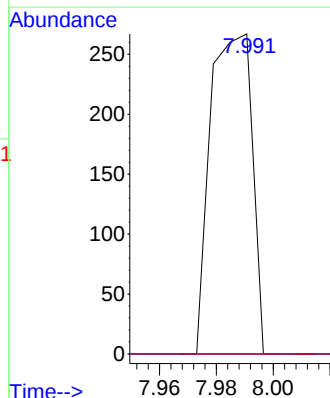
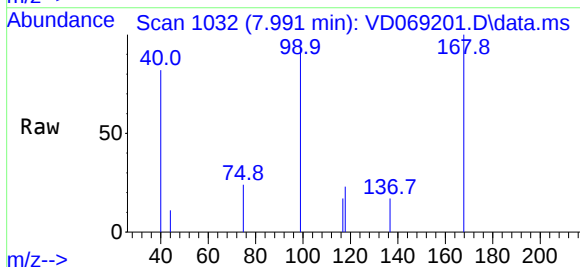
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

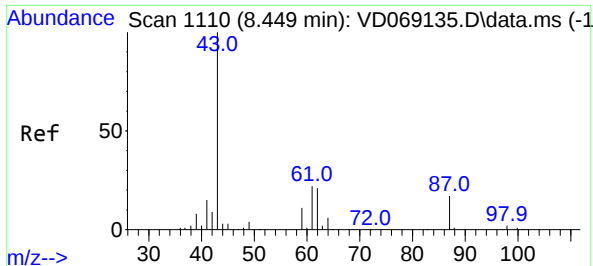
Tgt Ion: 75 Resp: 271
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 3.12 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.112 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion: 117 Resp: 271
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#



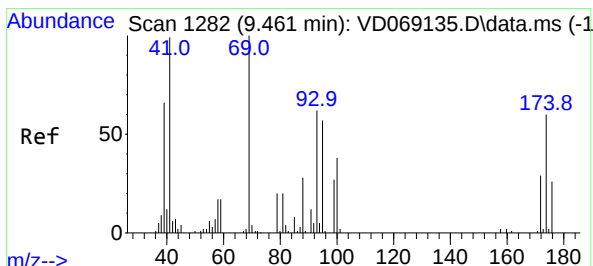
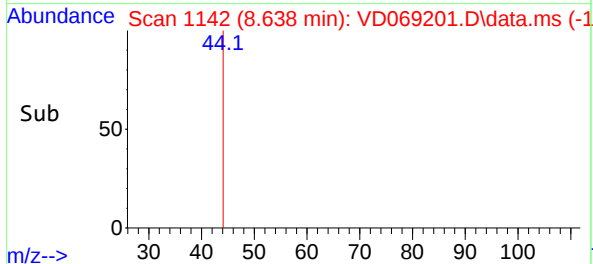
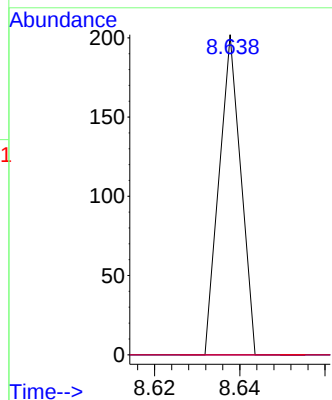
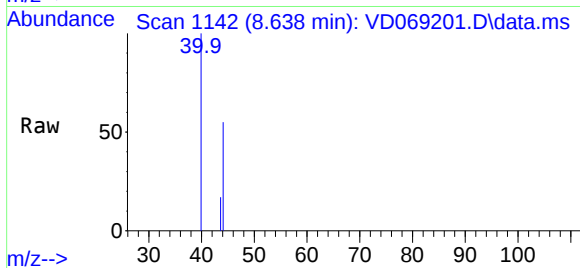


#43

Isopropyl Acetate
 Concen: 1.57 ug/l
 RT: 8.638 min Scan# 1142
 Delta R.T. 0.188 min
 Lab File: VD069201.D
 Acq: 19 May 2021 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCESSION-CP-4

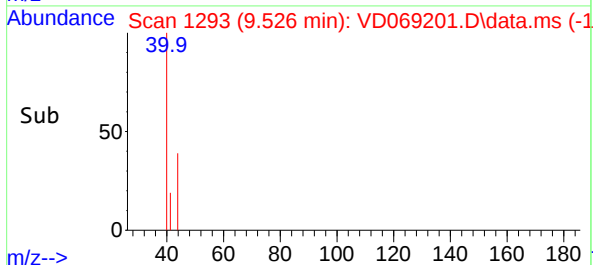
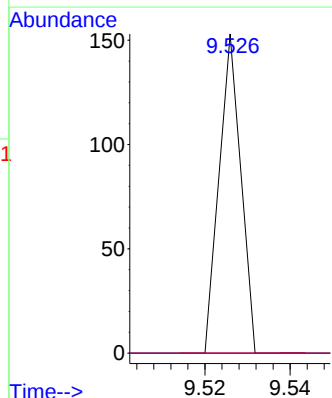
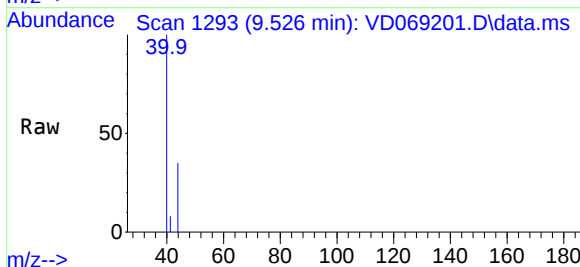
Tgt Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.6	42.8#
87	0.0	13.8	20.8#

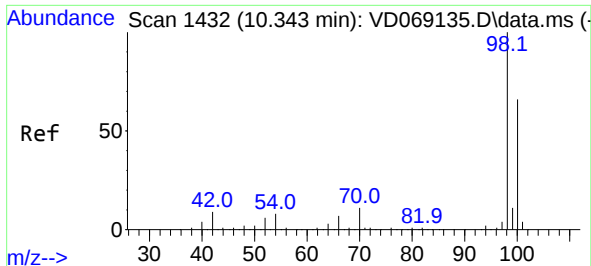


#48

Methyl methacrylate
 Concen: 2.58 ug/l
 RT: 9.526 min Scan# 1293
 Delta R.T. 0.065 min
 Lab File: VD069201.D
 Acq: 19 May 2021 17:24

Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
69	0.0	88.0	132.0#
39	0.0	51.4	77.0#

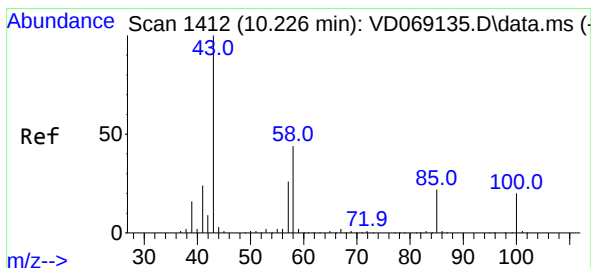
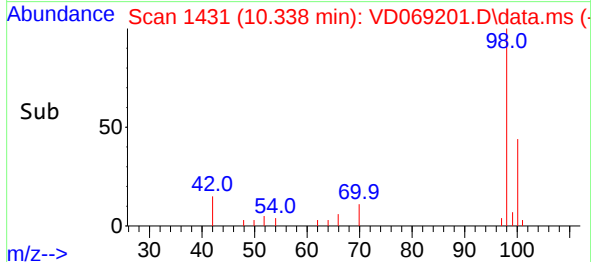
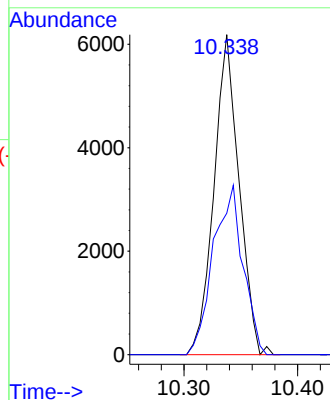
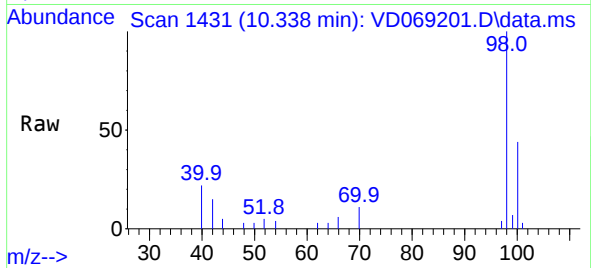




#50
Toluene-d8
Concen: 49.67 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

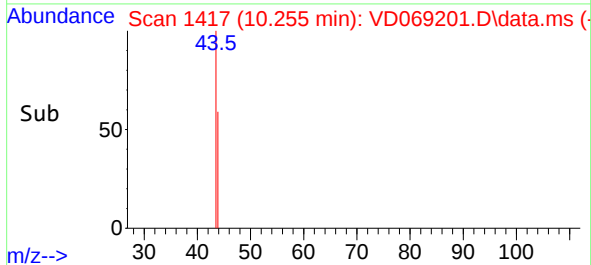
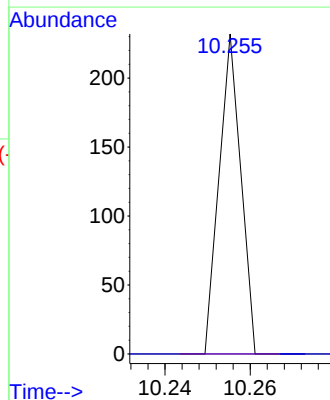
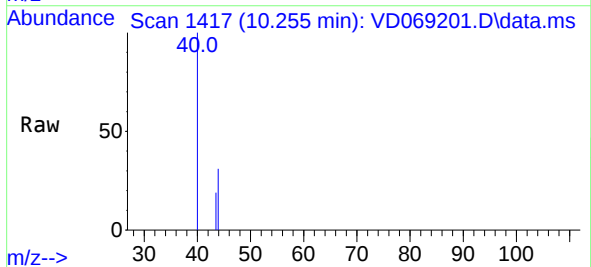
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

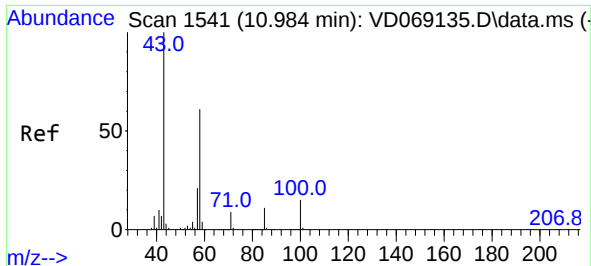
Tgt Ion: 98 Resp: 9478
Ion Ratio Lower Upper
98 100
100 62.6 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 3.52 ug/l
RT: 10.255 min Scan# 1417
Delta R.T. 0.030 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.4#

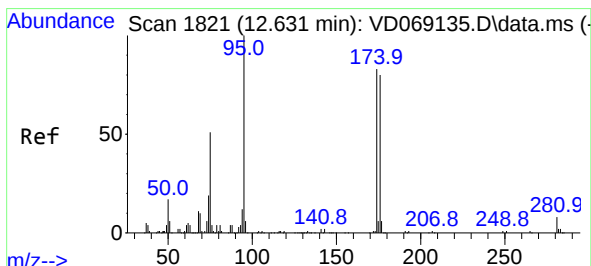
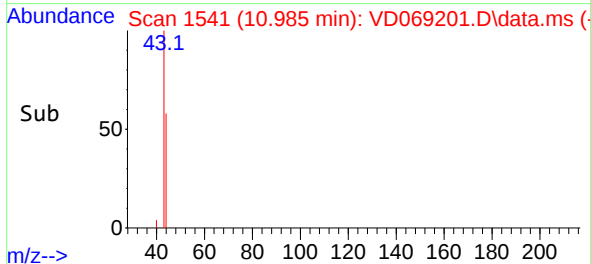
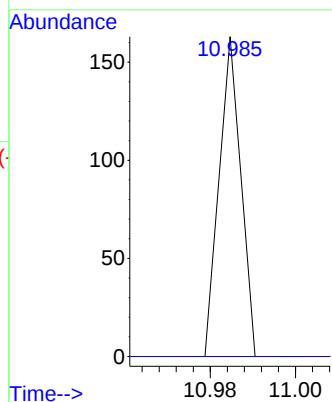
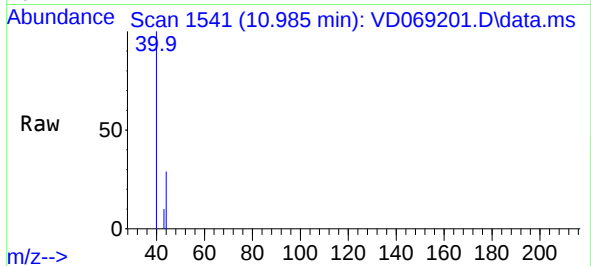




#59
2-Hexanone
Concen: 3.73 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

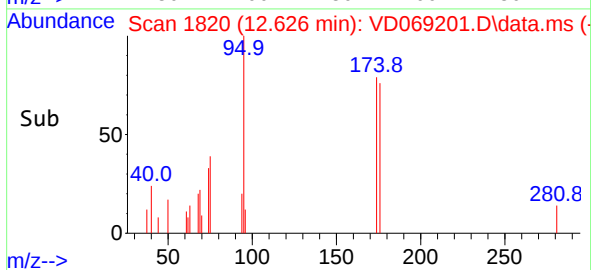
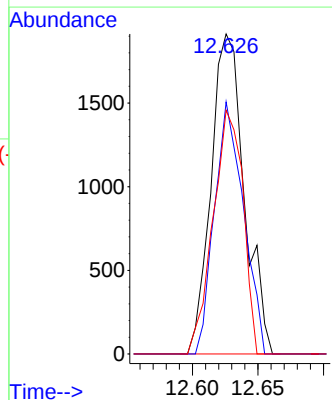
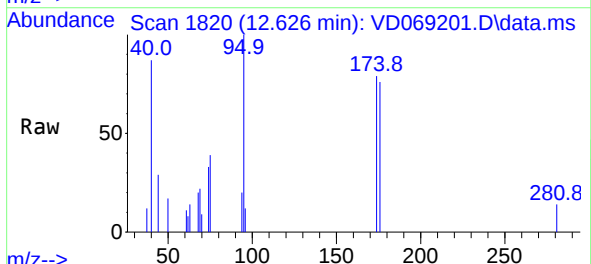
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

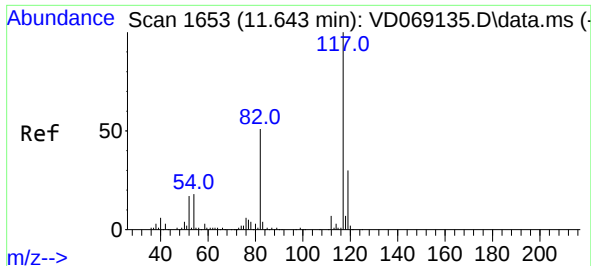
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 55.00 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

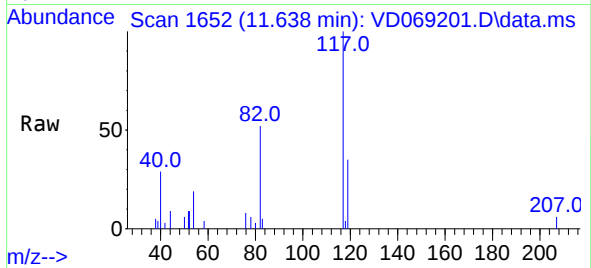
Tgt Ion: 95 Resp: 3377
Ion Ratio Lower Upper
95 100
174 68.8 0.0 171.8
176 68.4 0.0 165.4



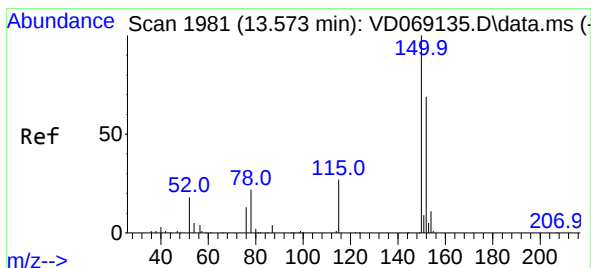
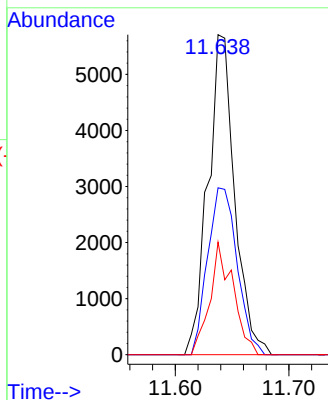
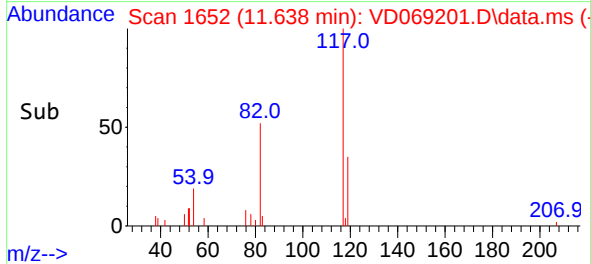


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

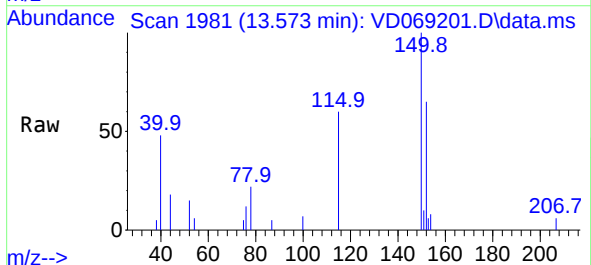
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4



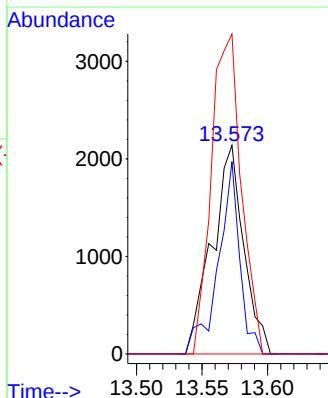
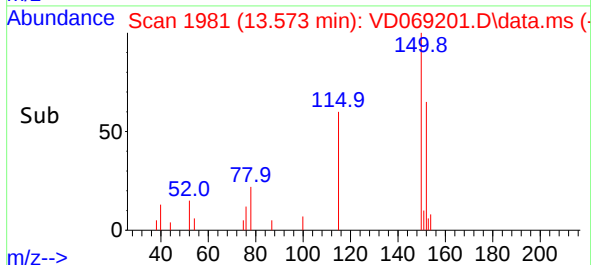
Tgt Ion:	117	Resp:	9333
Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.5	60.7
119	35.2	24.2	36.4

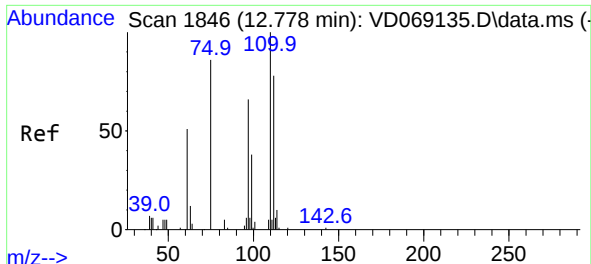


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24



Tgt Ion:	152	Resp:	3593
Ion	Ratio	Lower	Upper
152	100		
115	62.0	29.9	89.8
150	145.6	0.0	350.2

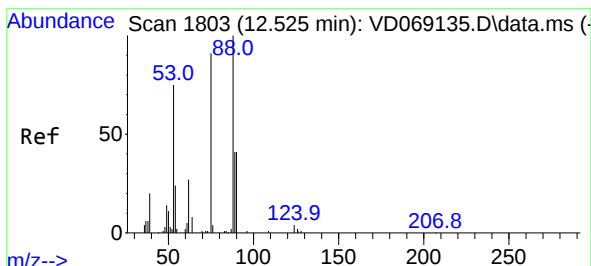
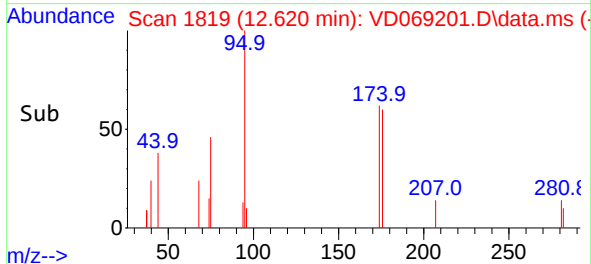
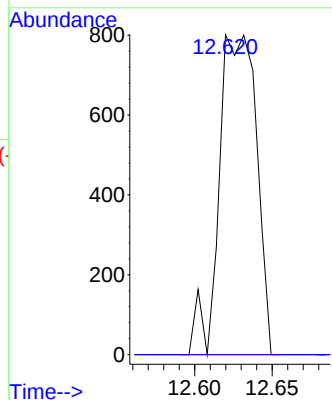
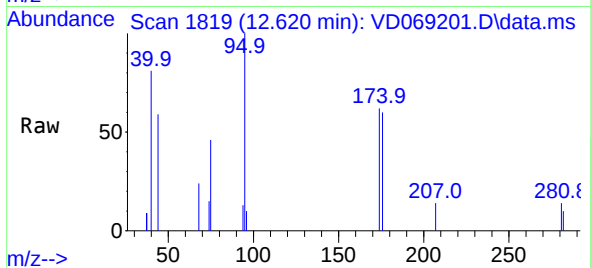




#76
1,2,3-Trichloropropane
Concen: 49.80 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.159 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-4

Tgt Ion: 75 Resp: 1345
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 100.59 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.094 min
Lab File: VD069201.D
Acq: 19 May 2021 17:24

Tgt Ion: 75 Resp: 1345
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#

