

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040121\
 Data File : VD068770.D
 Acq On : 01 Apr 2021 20:44
 Operator : VA/SY
 Sample : M1886-07
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-124037

Quant Time: Apr 02 01:07:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

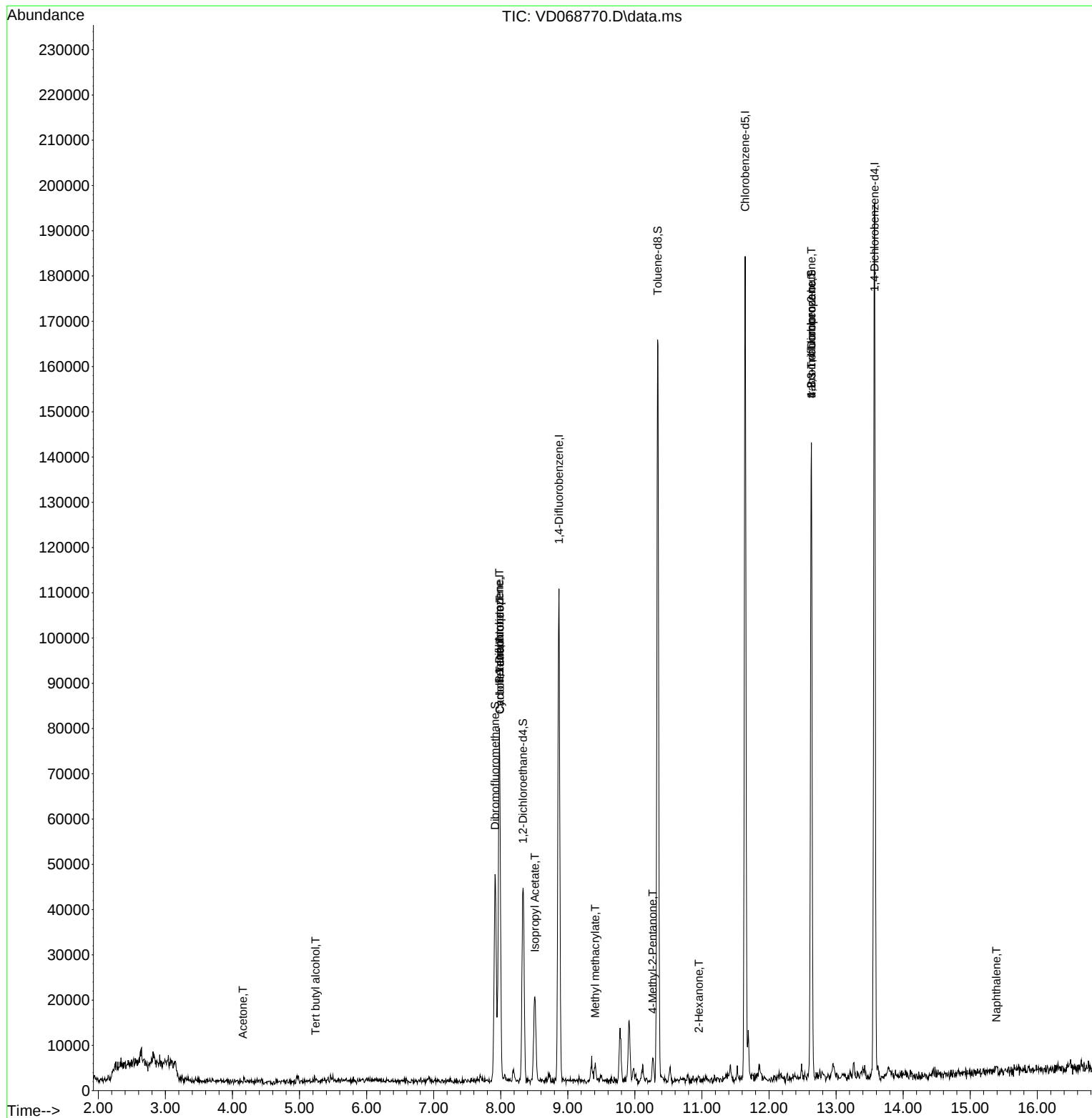
Internal Standards						
1) Pentafluorobenzene	7.979	168	55473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	98176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	108444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	55413	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	35194	62.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.84%			
35) Dibromofluoromethane	7.914	113	32661	53.47	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.94%			
50) Toluene-d8	10.338	98	122479	52.01	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.02%			
62) 4-Bromofluorobenzene	12.632	95	46131	60.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.84%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.238	59	55	2.13	ug/l #	73
16) Acetone	4.156	43	285	4.20	ug/l #	40
20) Methylene Chloride	4.962	84	736	Below Cal	#	87
31) Cyclohexane	7.985	56	1797	1.99	ug/l #	56
36) 1,1-Dichloropropene	7.979	75	4321	4.93	ug/l #	44
38) Carbon Tetrachloride	7.985	117	5655	6.46	ug/l #	12
43) Isopropyl Acetate	8.508	43	3543	6.67	ug/l #	45
48) Methyl methacrylate	9.408	41	1011	3.76	ug/l #	35
51) 4-Methyl-2-Pentanone	10.267	43	566	2.05	ug/l #	30
59) 2-Hexanone	10.955	43	312	1.68	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	23151	50.20	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	23151	114.20	ug/l #	16
95) Naphthalene	15.390	128	1806	1.05	ug/l #	83

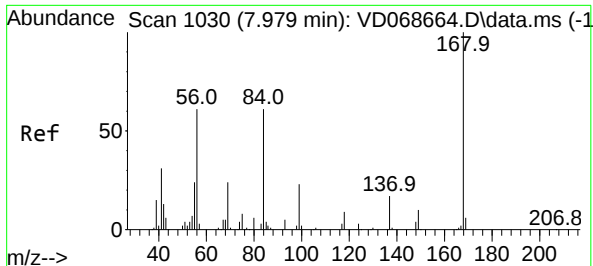
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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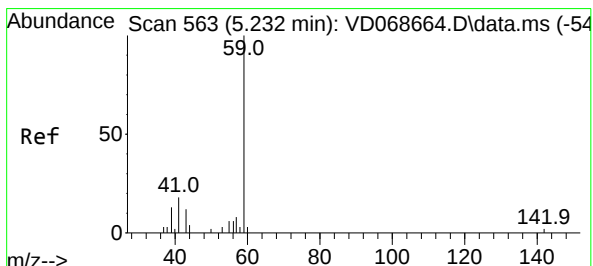
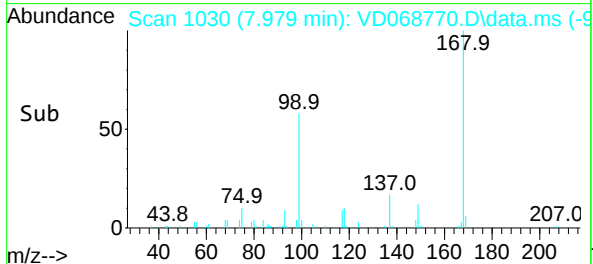
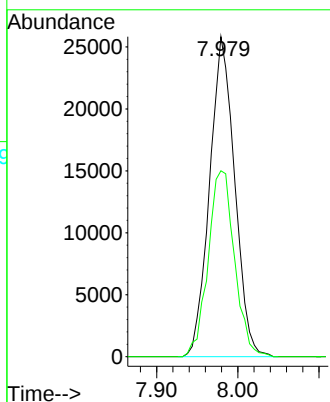
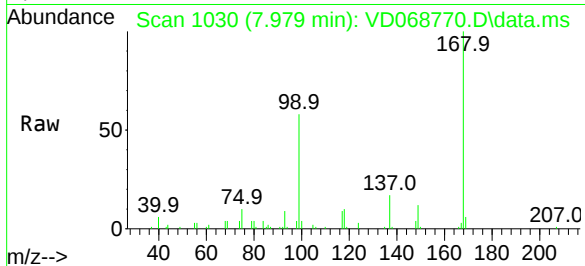




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

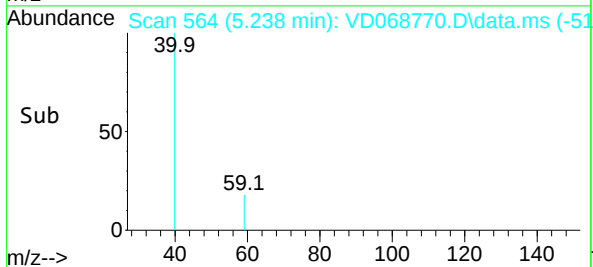
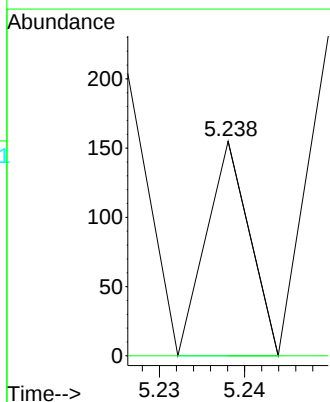
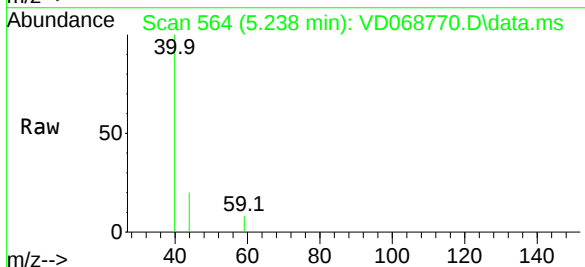
Instrument :
MSVOA_D
ClientSampleId :
RO-124037

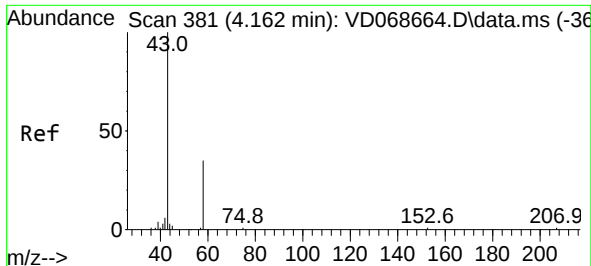
Tgt Ion:168 Resp: 55473
Ion Ratio Lower Upper
168 100
99 58.1 46.2 69.2



#11
Tert butyl alcohol
Concen: 2.13 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.006 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

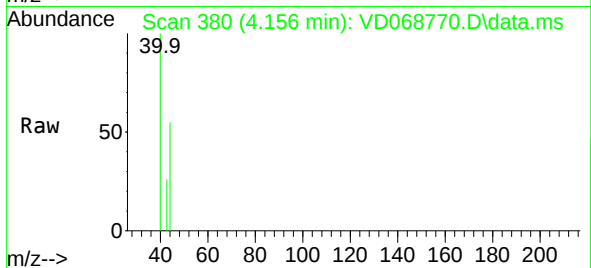
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



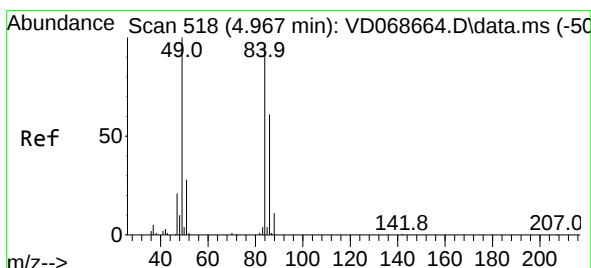
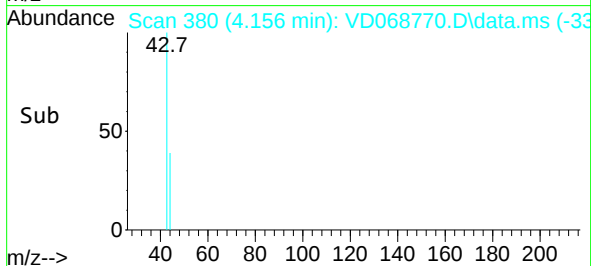
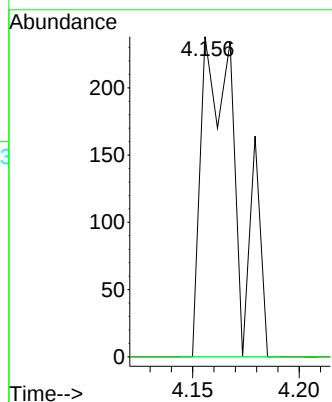


#16
Acetone
Concen: 4.20 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Instrument :
MSVOA_D
ClientSampleId :
RO-124037

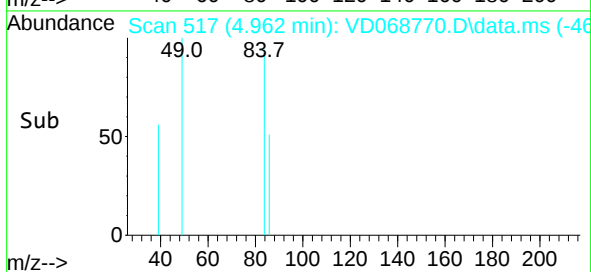
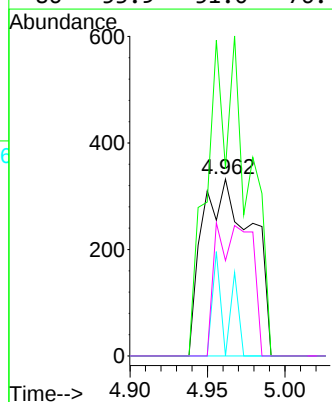
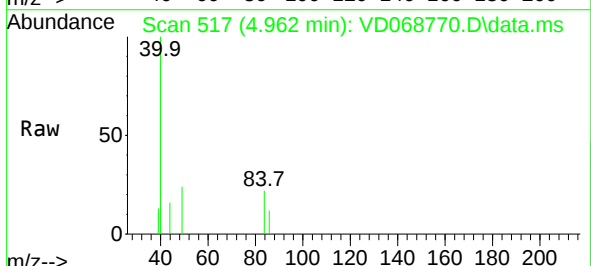


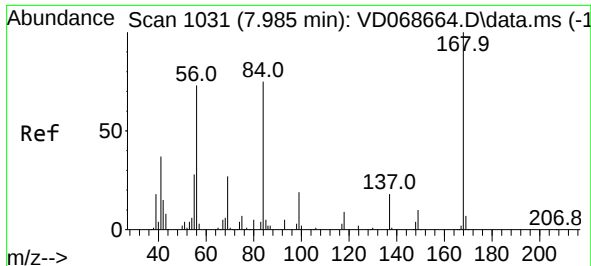
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

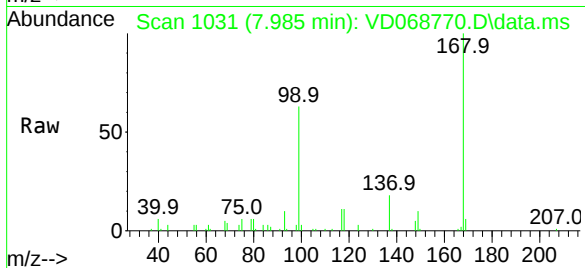
Tgt Ion: 84 Resp: 736
Ion Ratio Lower Upper
84 100
49 106.0 83.4 125.0
51 0.0 23.4 35.2#
86 53.9 51.0 76.4



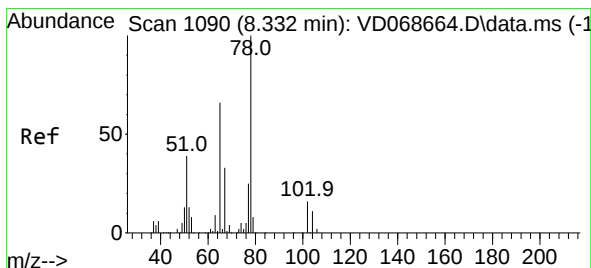
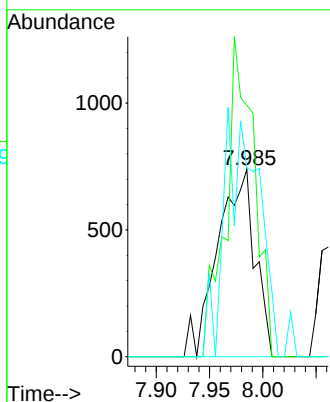
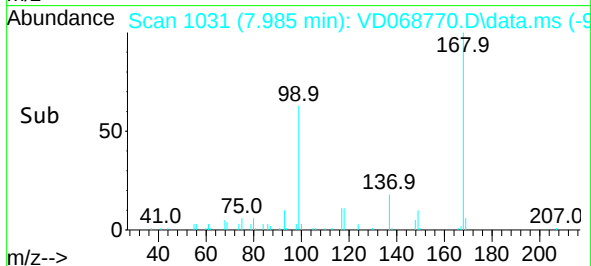


#31
Cyclohexane
Concen: 1.99 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

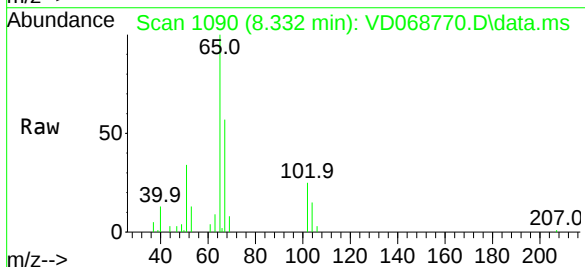
Instrument :
MSVOA_D
ClientSampleId :
RO-124037



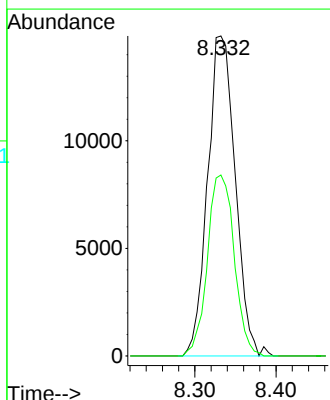
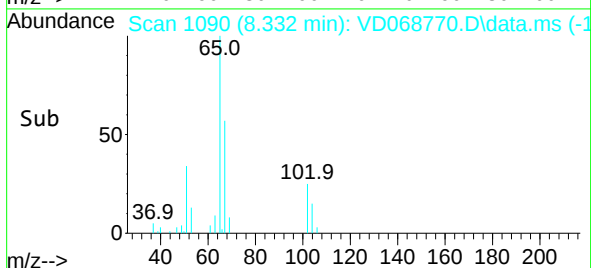
Tgt Ion: 56 Resp: 1797
Ion Ratio Lower Upper
56 100
69 134.4 30.0 45.0#
84 100.9 82.0 123.0

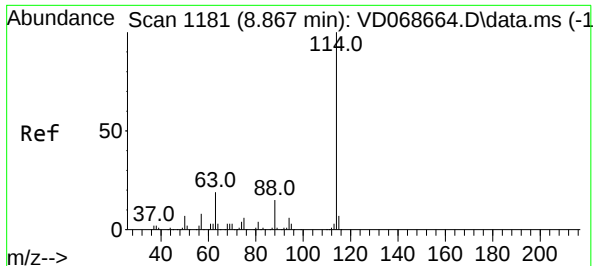


#33
1,2-Dichloroethane-d4
Concen: 62.92 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44



Tgt Ion: 65 Resp: 35194
Ion Ratio Lower Upper
65 100
67 54.9 0.0 106.0



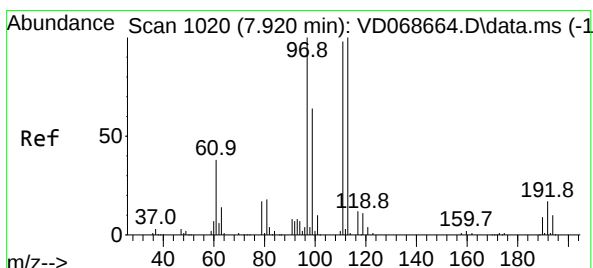
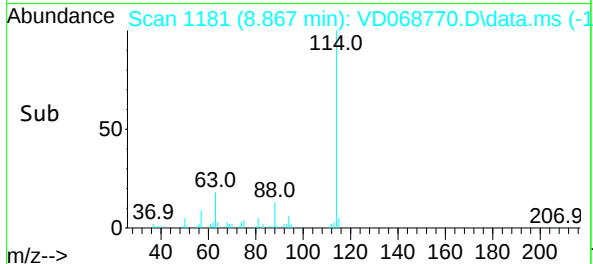
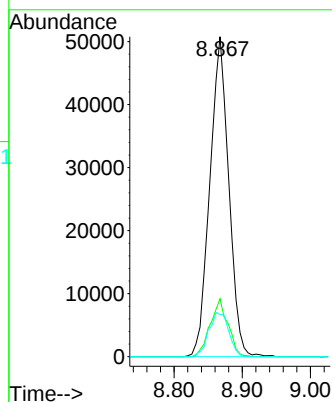
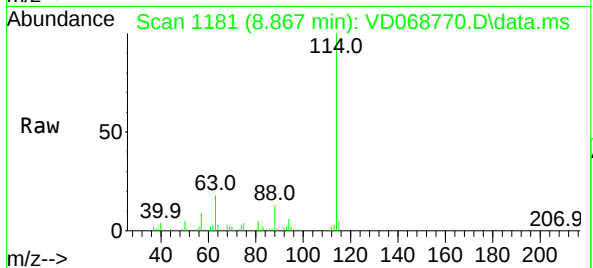


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Instrument :
MSVOA_D
ClientSampleId :
RO-124037

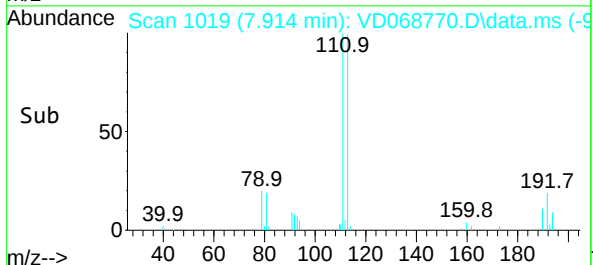
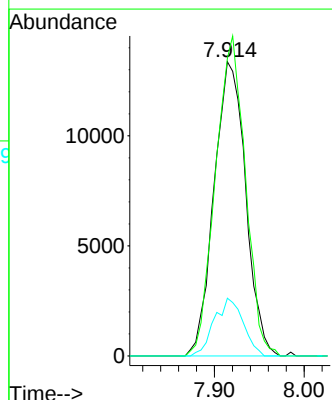
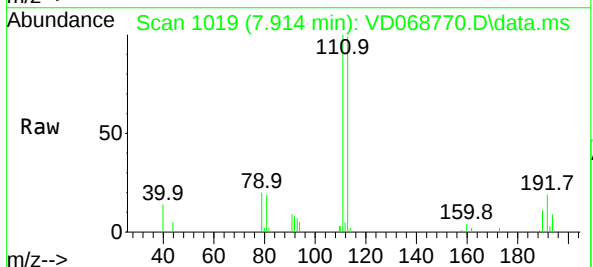
Tgt Ion:	114	Resp:	98176
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.2
88	13.2	0.0	29.4

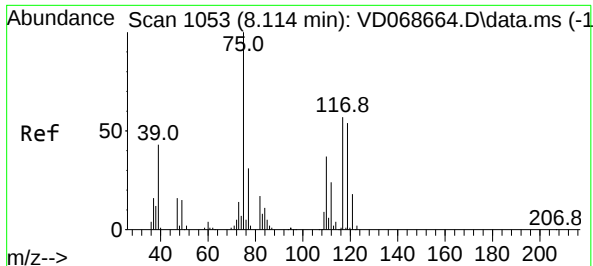


#35

Dibromofluoromethane
Concen: 53.47 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Tgt Ion:	113	Resp:	32661
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.5	123.7
192	18.0	15.1	22.7

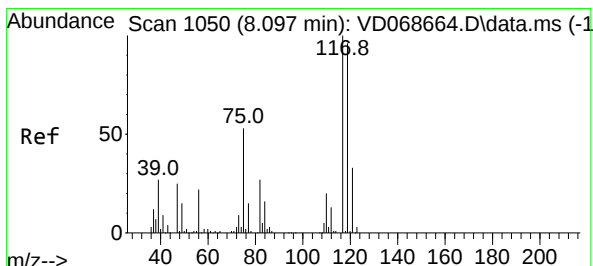
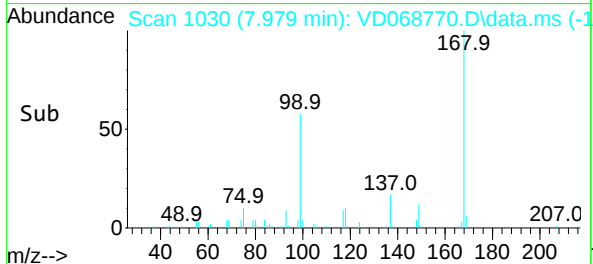
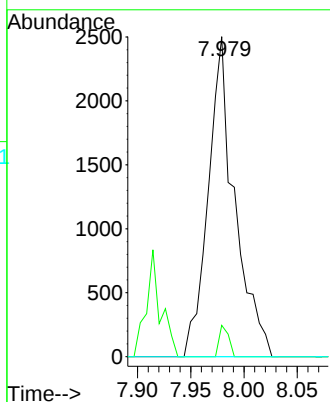
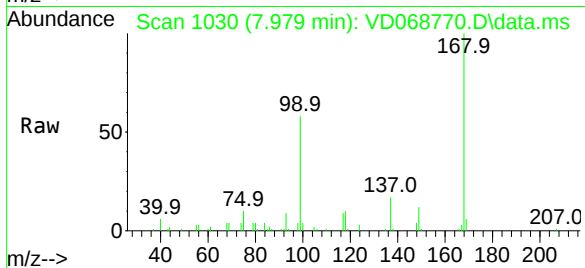




#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

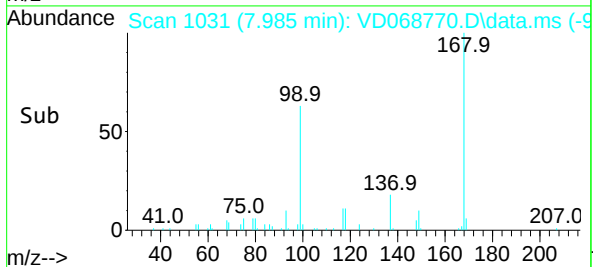
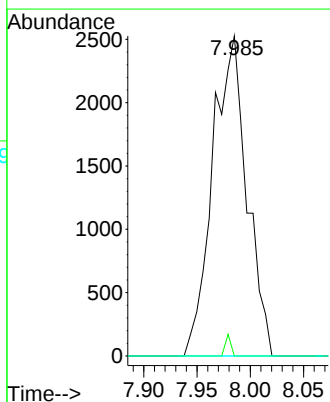
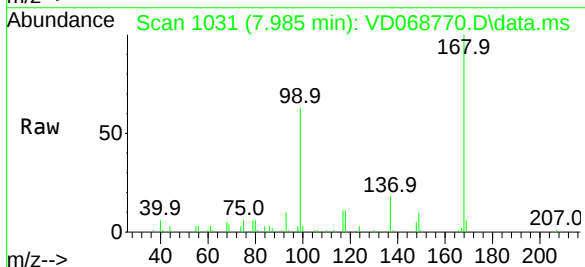
Instrument :
MSVOA_D
ClientSampleId :
RO-124037

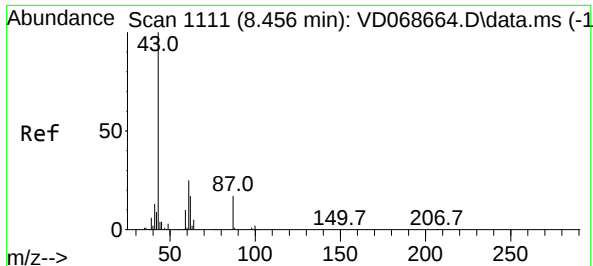
Tgt Ion: 75 Resp: 4321
Ion Ratio Lower Upper
75 100
110 3.4 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.46 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Tgt Ion: 117 Resp: 5655
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#





#43

Isopropyl Acetate

Concen: 6.67 ug/l

RT: 8.508 min Scan# 1120

Delta R.T. 0.053 min

Lab File: VD068770.D

Acq: 01 Apr 2021 20:44

Tgt Ion: 43 Resp: 3543

Ion Ratio Lower Upper

43 100

61 0.0 29.5 44.3#

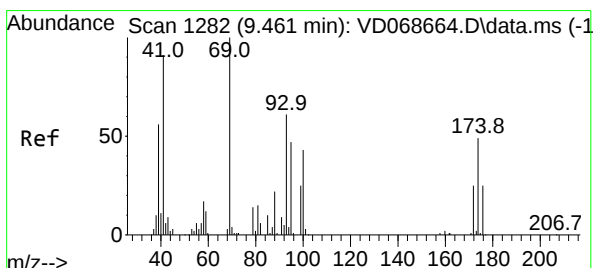
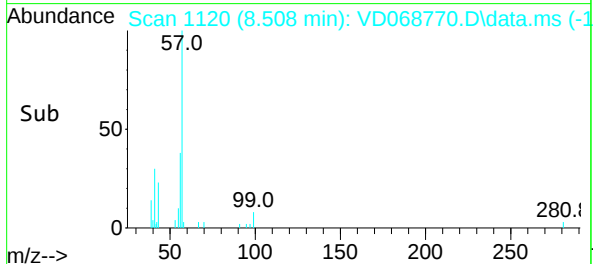
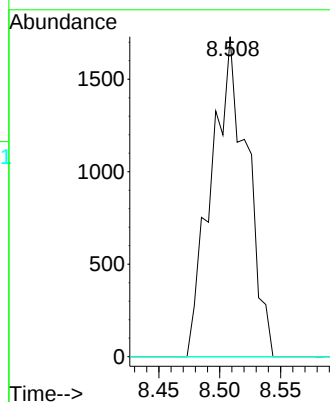
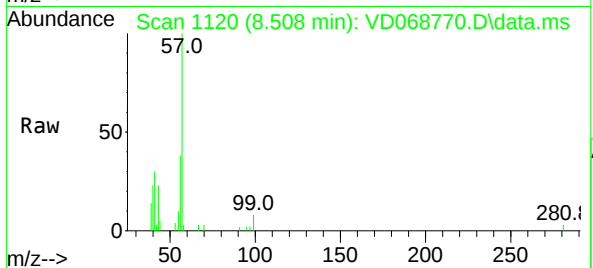
87 0.0 13.5 20.3#

Instrument :

MSVOA_D

ClientSampleId :

RO-124037



#48

Methyl methacrylate

Concen: 3.76 ug/l

RT: 9.408 min Scan# 1273

Delta R.T. -0.053 min

Lab File: VD068770.D

Acq: 01 Apr 2021 20:44

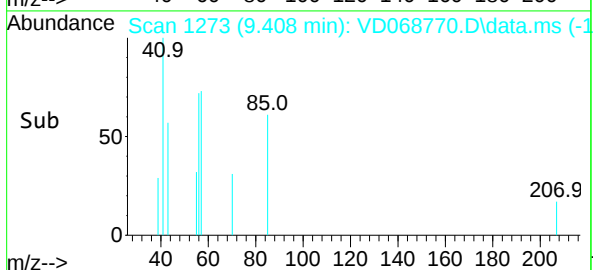
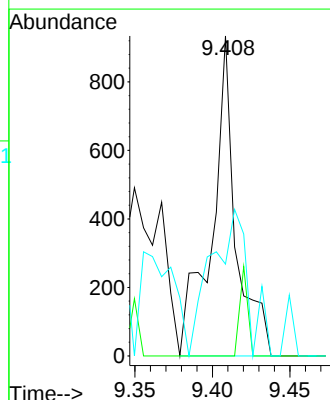
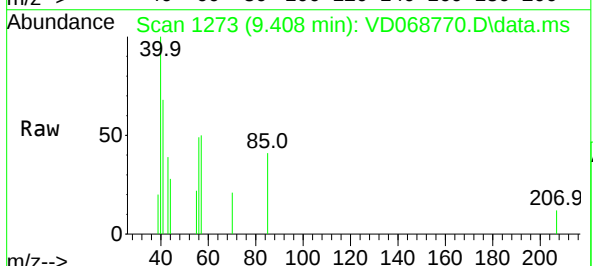
Tgt Ion: 41 Resp: 1011

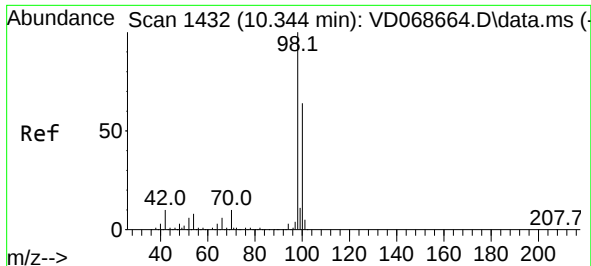
Ion Ratio Lower Upper

41 100

69 9.1 83.0 124.6#

39 70.1 47.0 70.6

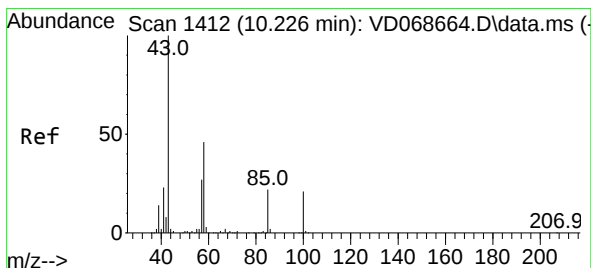
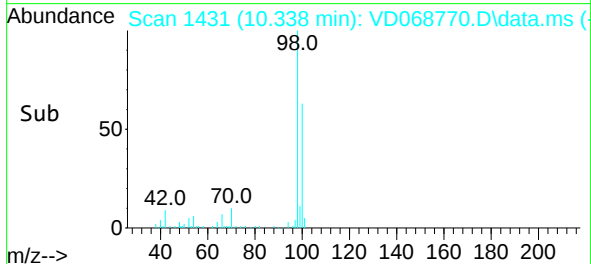
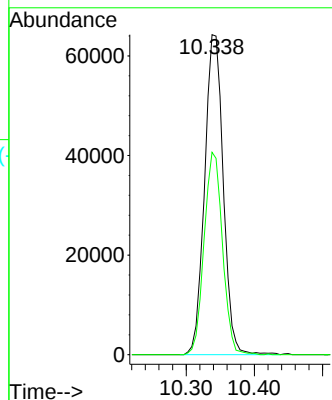
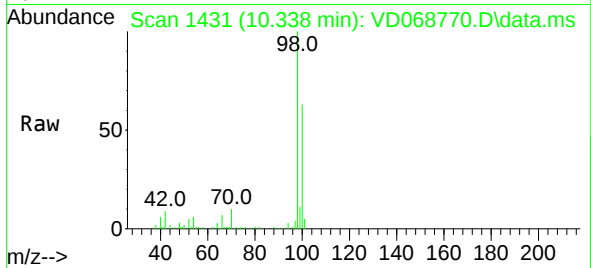




#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

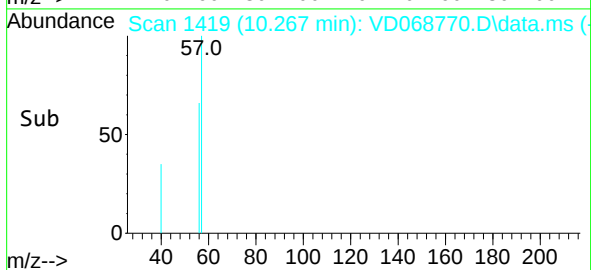
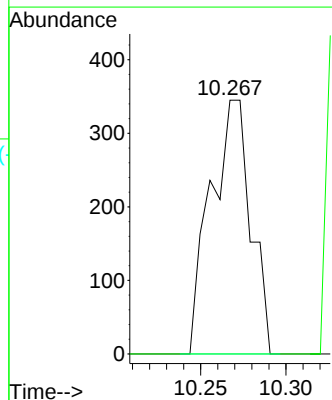
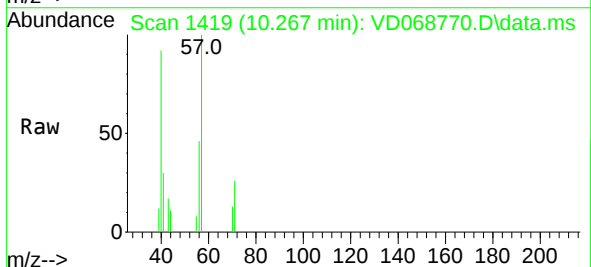
Instrument :
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RO-124037

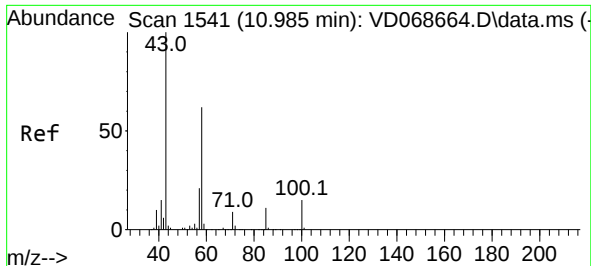
Tgt Ion: 98 Resp: 122479
Ion Ratio Lower Upper
98 100
100 62.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.05 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#

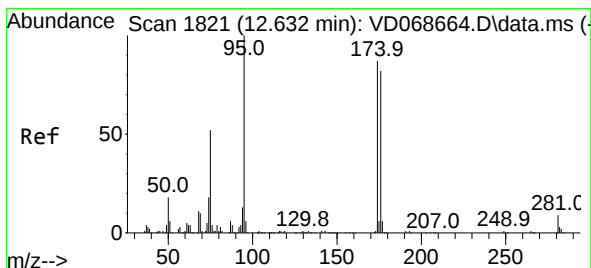
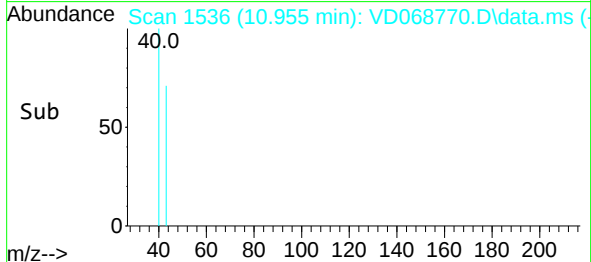
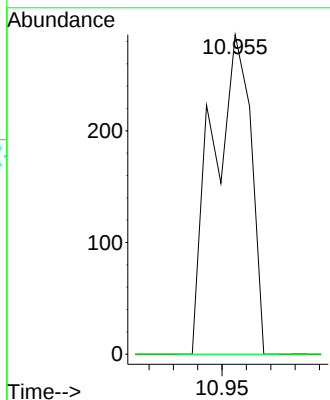
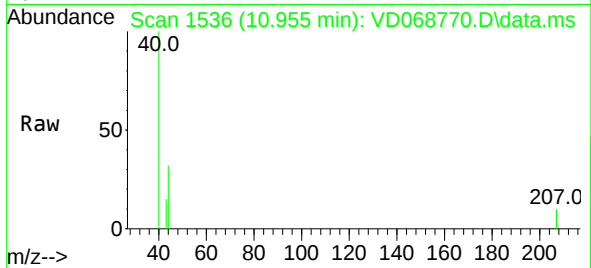




#59
2-Hexanone
Concen: 1.68 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

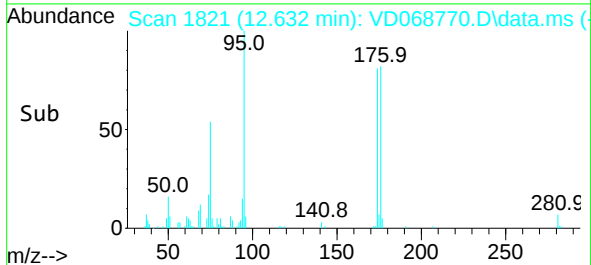
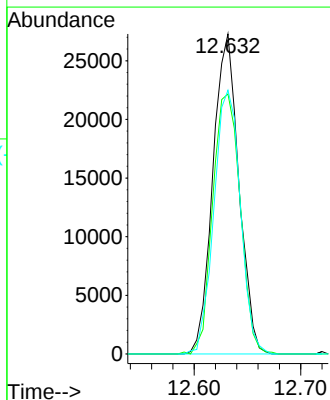
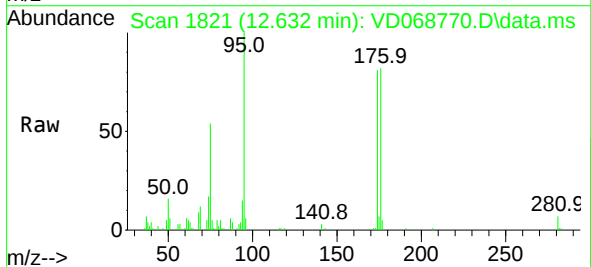
Instrument :
MSVOA_D
ClientSampleId :
RO-124037

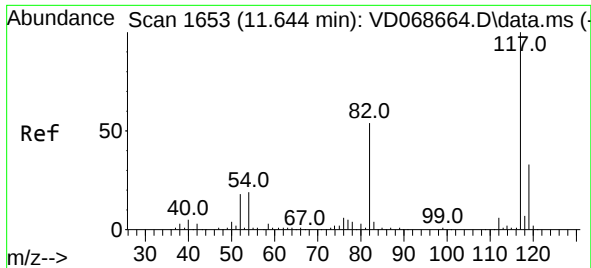
Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 60.42 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Tgt Ion: 95 Resp: 46131
Ion Ratio Lower Upper
95 100
174 86.2 0.0 168.0
176 84.0 0.0 160.2

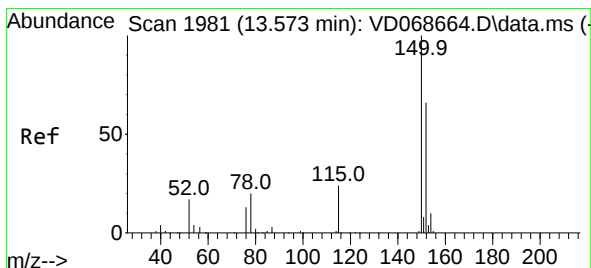
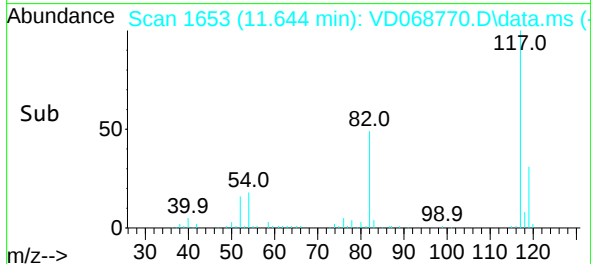
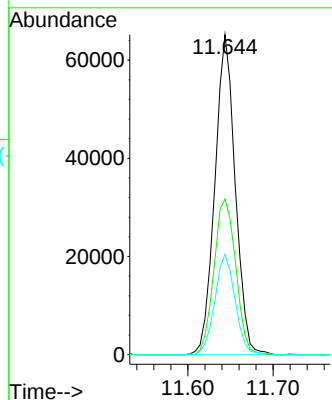
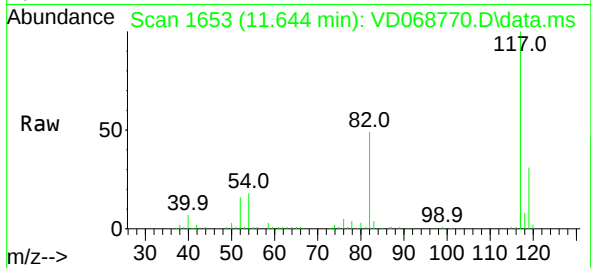




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

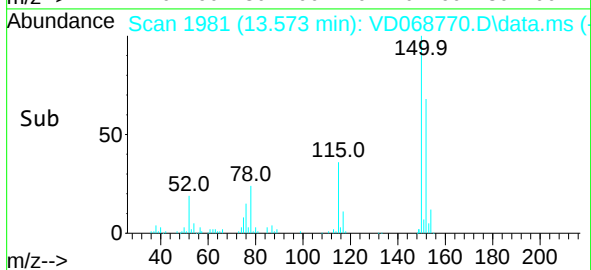
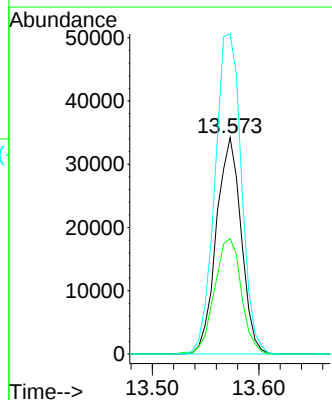
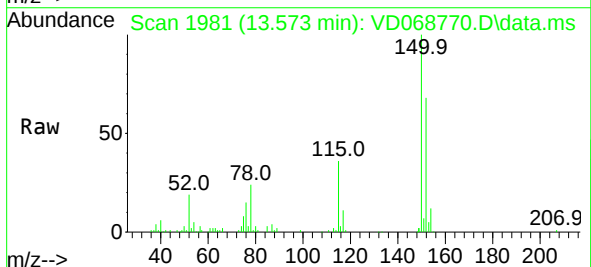
Instrument :
MSVOA_D
ClientSampleId :
RO-124037

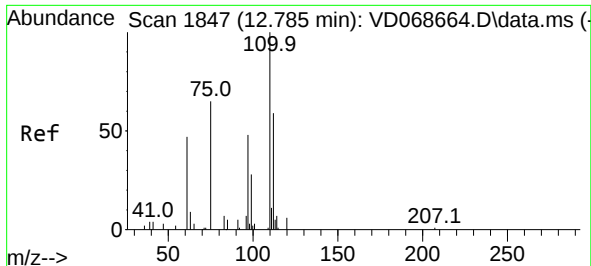
Tgt Ion:117 Resp: 108444
Ion Ratio Lower Upper
117 100
82 48.7 43.5 65.3
119 31.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Tgt Ion:152 Resp: 55413
Ion Ratio Lower Upper
152 100
115 57.5 29.3 87.8
150 157.3 0.0 347.6

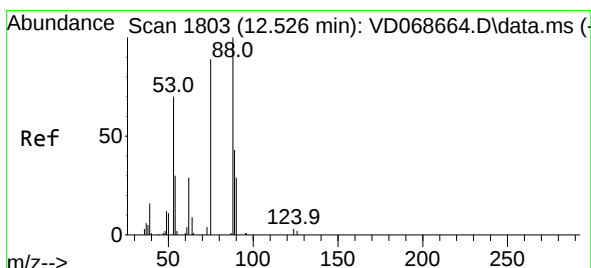
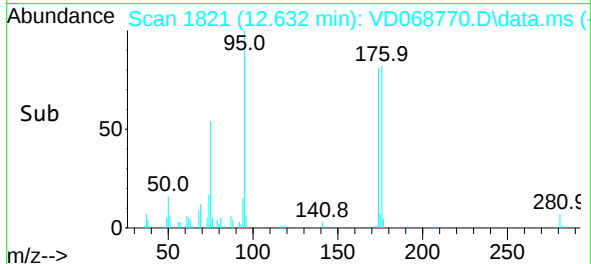
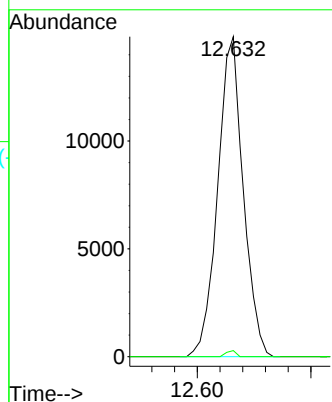
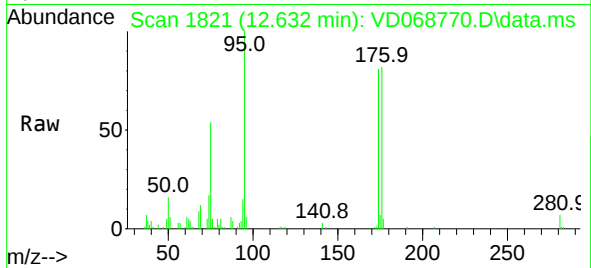




#76
1,2,3-Trichloropropane
Concen: 50.20 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

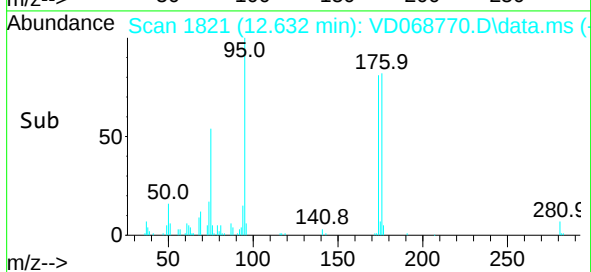
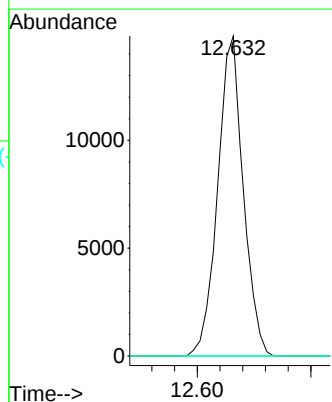
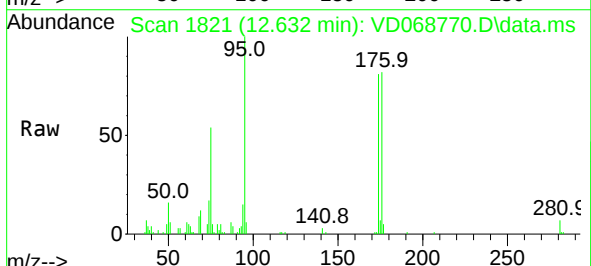
Instrument :
MSVOA_D
ClientSampleId :
RO-124037

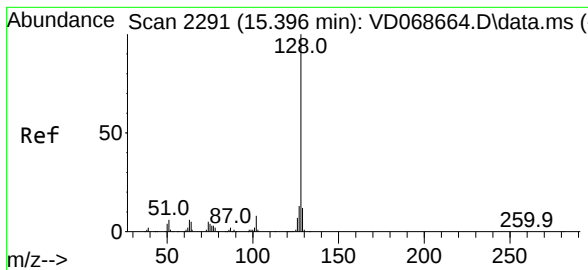
Tgt Ion: 75 Resp: 23151
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.20 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

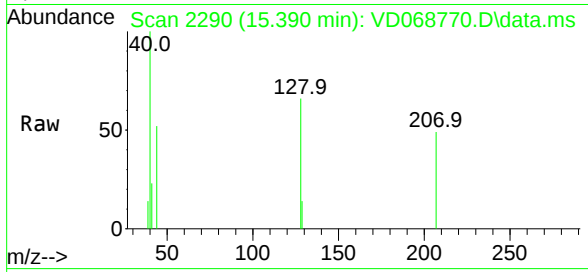
Tgt Ion: 75 Resp: 23151
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#





#95
Naphthalene
Concen: 1.05 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068770.D
Acq: 01 Apr 2021 20:44

Instrument :
MSVOA_D
ClientSampleId :
RO-124037



Tgt Ion:	128	Resp:	1806
Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.2	15.4#
129	4.7	8.9	13.3#

