

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
 Data File : VD070594.D
 Acq On : 06 Oct 2021 15:32
 Operator : VA/SY
 Sample : M4075-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-100521

Quant Time: Oct 07 07:00:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

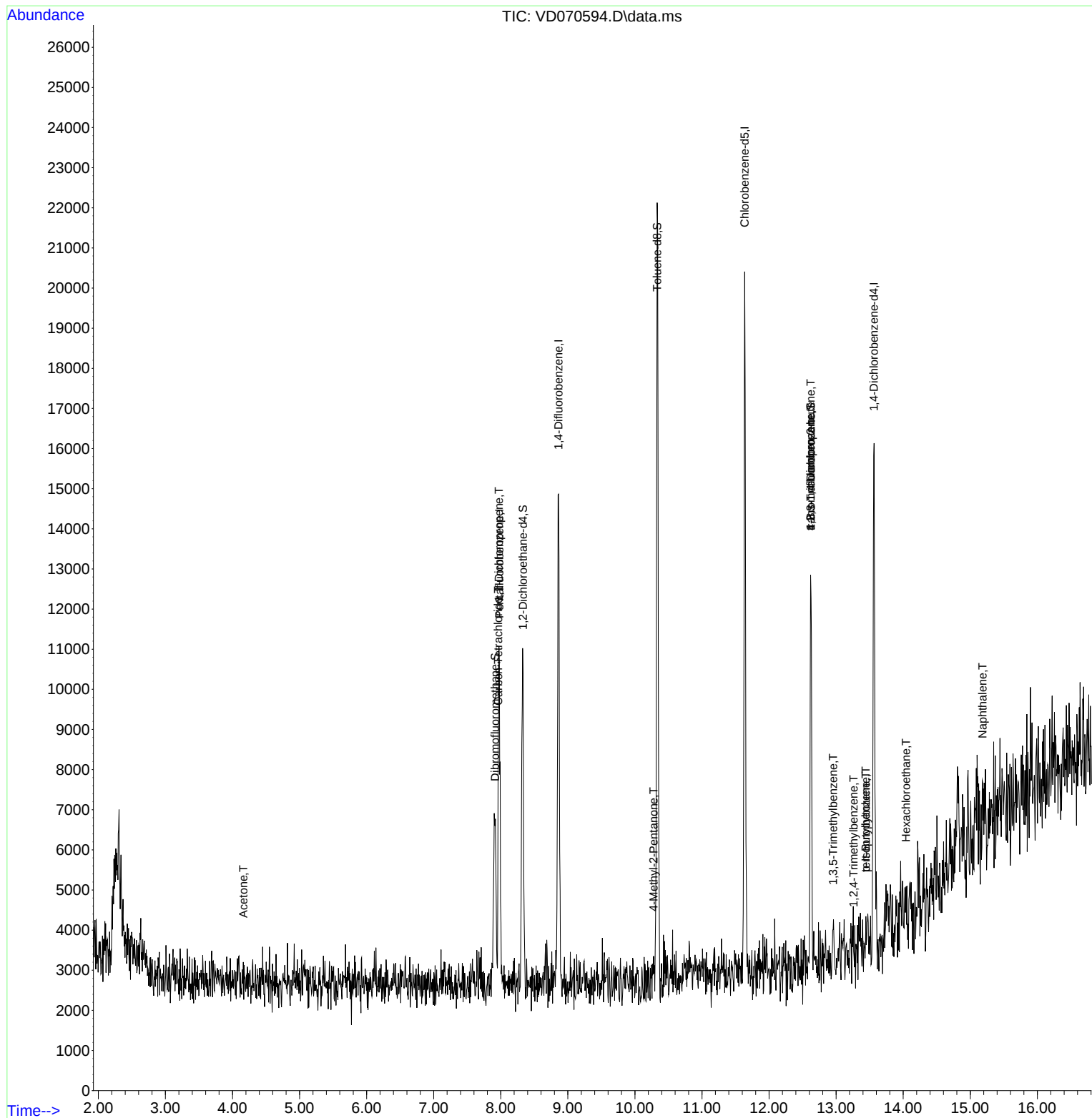
Internal Standards						
1) Pentafluorobenzene	7.979	168	6429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	12051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	3749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5725	75.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.340%
35) Dibromofluoromethane	7.914	113	3928	49.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.332	98	13523	44.150	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.300%
62) 4-Bromofluorobenzene	12.620	95	4560	44.544	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.080%
Target Compounds						Qvalue
5) Bromomethane	2.779	94	54	Below Cal	#	2
16) Acetone	4.161	43	64	4.981	ug/l #	40
20) Methylene Chloride	4.967	84	95	Below Cal	#	53
36) 1,1-Dichloropropene	7.973	75	580	4.532	ug/l #	42
38) Carbon Tetrachloride	7.961	117	495	3.696	ug/l #	12
51) 4-Methyl-2-Pentanone	10.279	43	58	1.443	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	1838	54.166	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.955	105	263	1.128	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.620	75	1838	120.259	ug/l #	17
83) tert-Butylbenzene	13.443	119	253	1.313	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.261	105	452	1.949	ug/l #	52
86) p-Isopropyltoluene	13.443	119	253	1.037	ug/l #	73
90) Hexachloroethane	14.043	117	67	1.270	ug/l #	18
95) Naphthalene	15.184	128	64	3.001	ug/l #	69

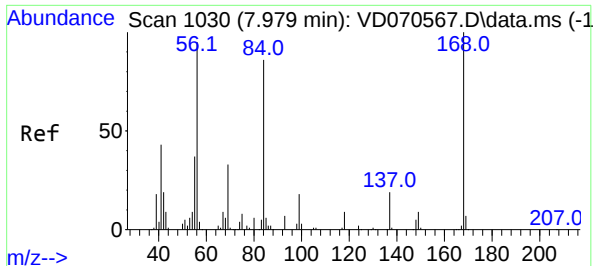
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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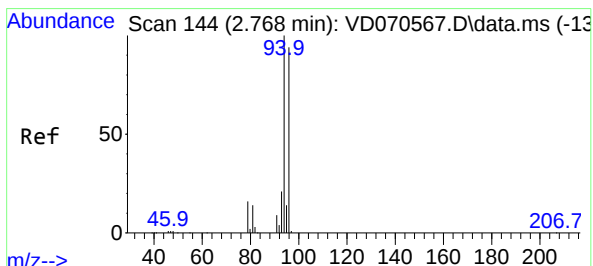
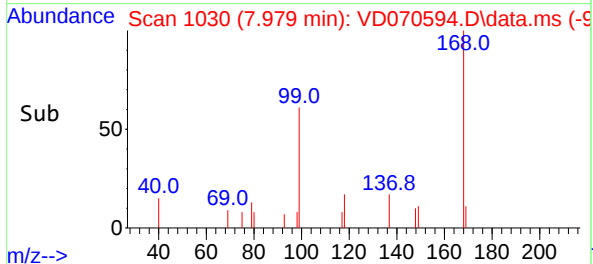
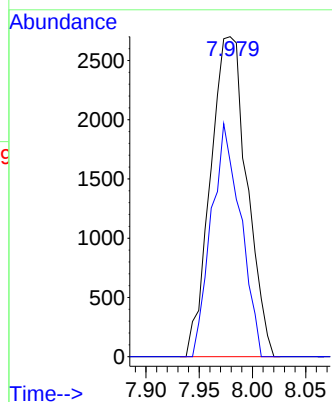
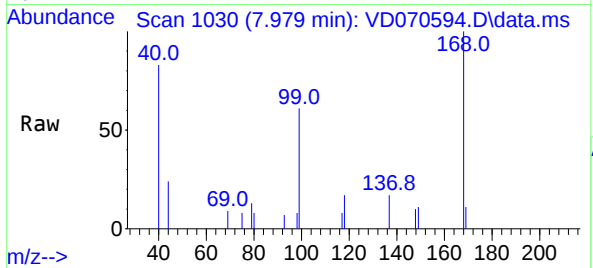




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

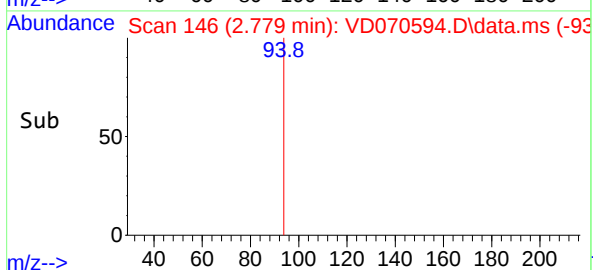
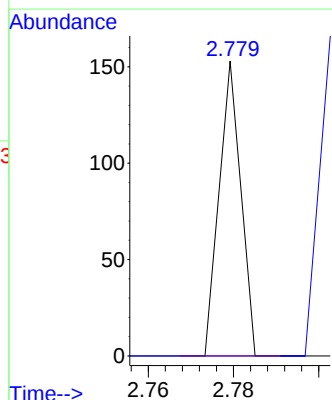
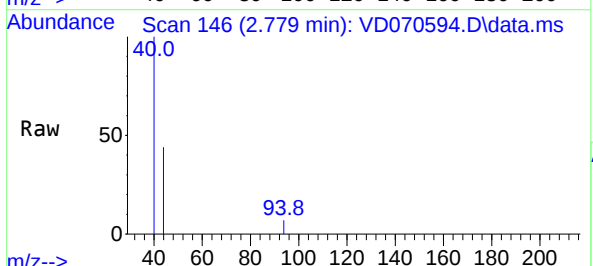
Instrument :
MSVOA_D
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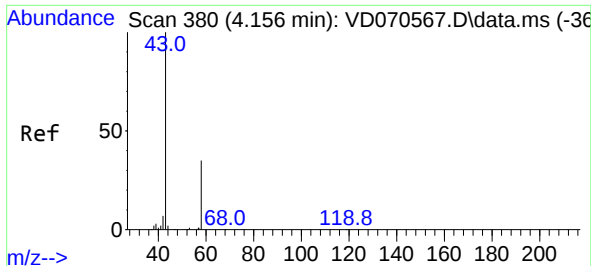
Tgt Ion:168 Resp: 6429
Ion Ratio Lower Upper
168 100
99 61.1 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#

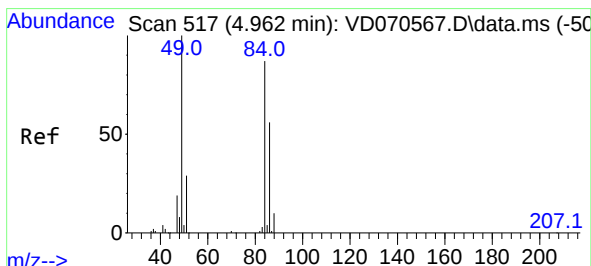
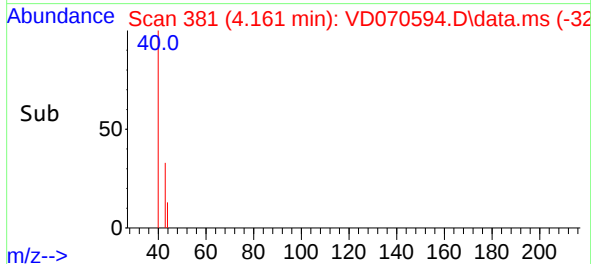
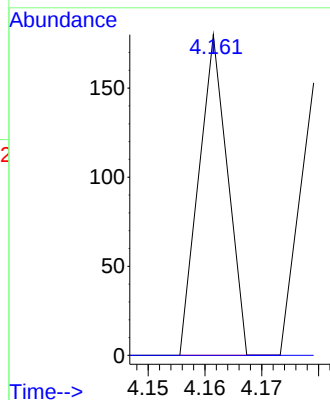
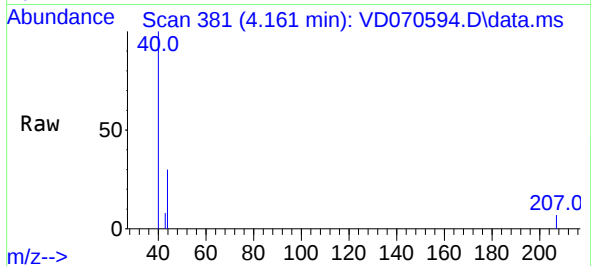




#16
Acetone
Concen: 4.981 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

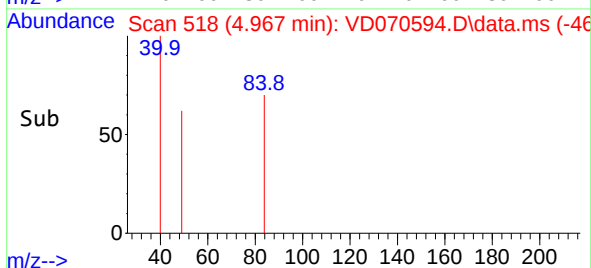
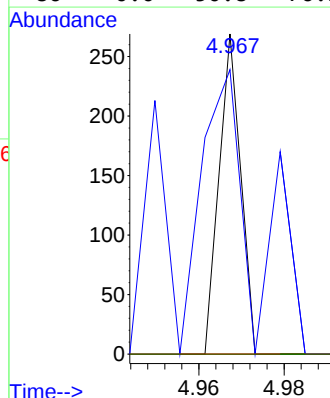
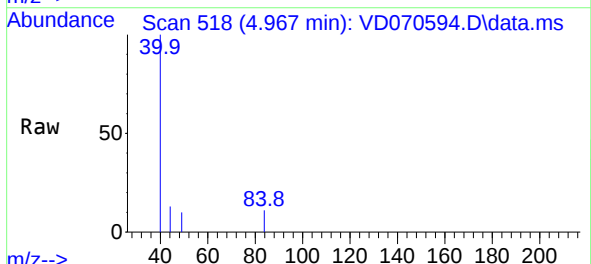
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

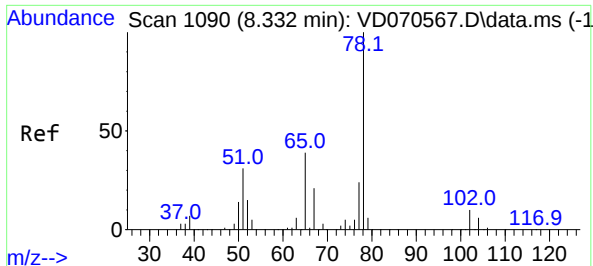
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion: 84 Resp: 95
Ion Ratio Lower Upper
84 100
49 88.8 91.4 137.2#
51 0.0 26.7 40.1#
86 0.0 50.8 76.2#

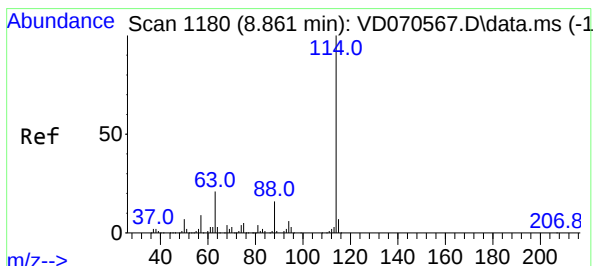
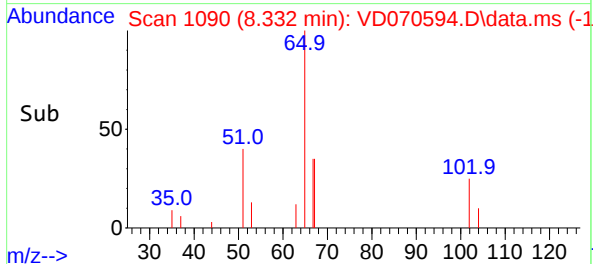
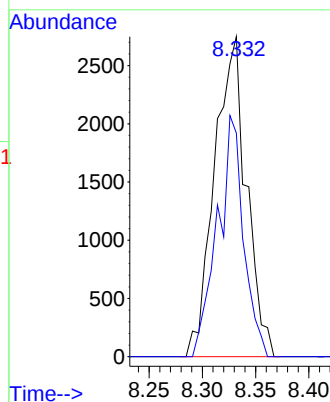
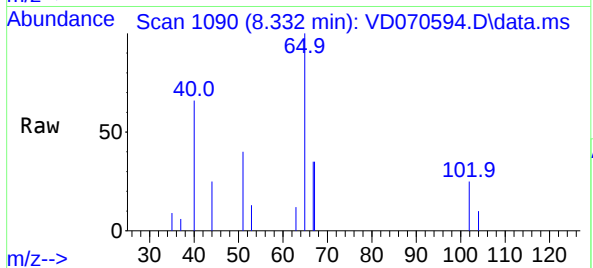




#33
1,2-Dichloroethane-d4
Concen: 75.667 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

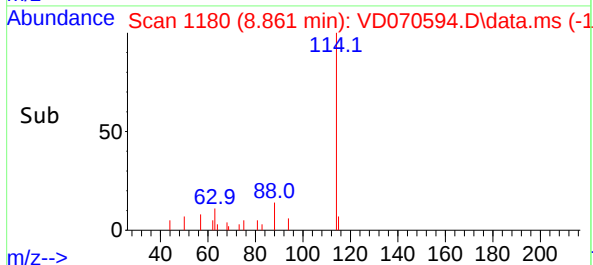
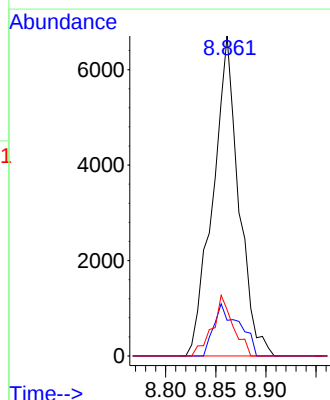
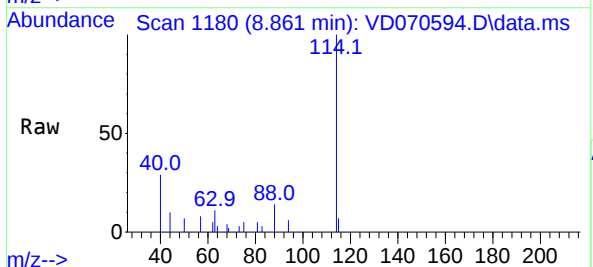
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

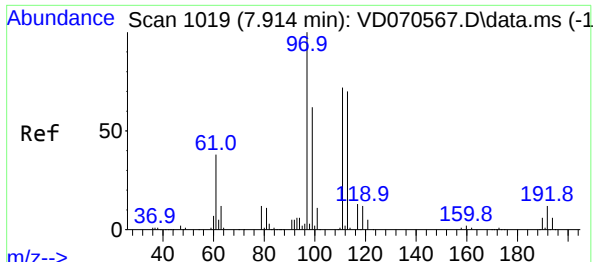
Tgt Ion: 65 Resp: 5725
Ion Ratio Lower Upper
65 100
67 61.1 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion: 114 Resp: 12051
Ion Ratio Lower Upper
114 100
63 11.1 0.0 41.8
88 14.5 0.0 32.6

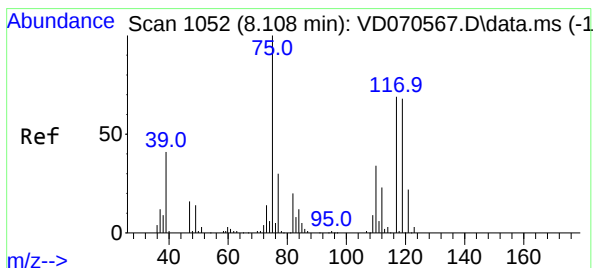
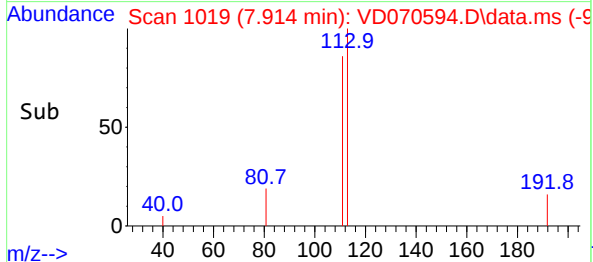
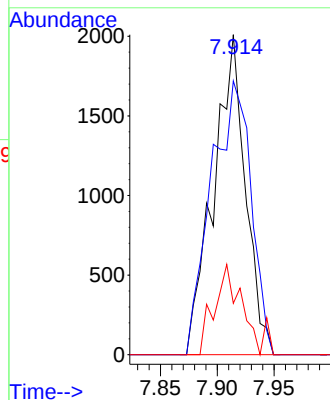
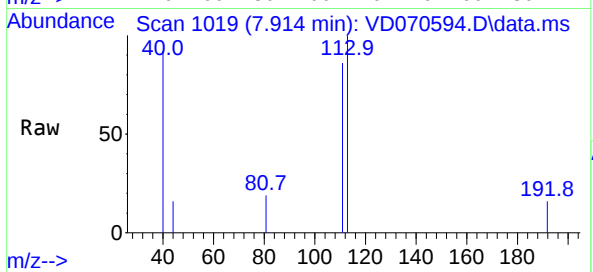




#35
Dibromofluoromethane
Concen: 49.025 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

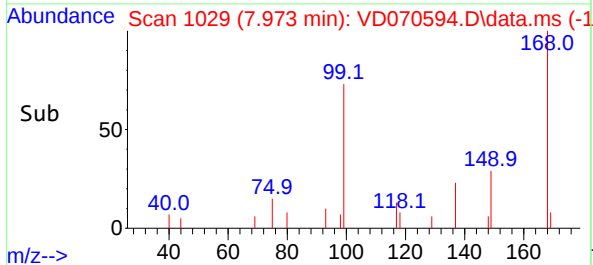
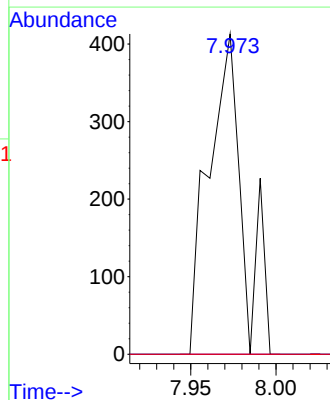
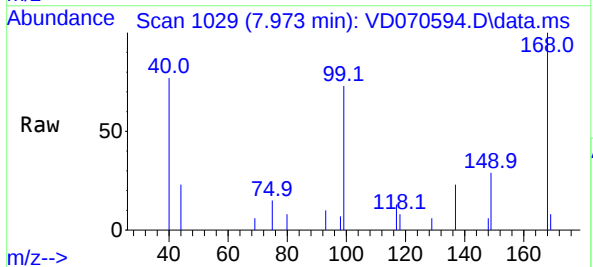
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

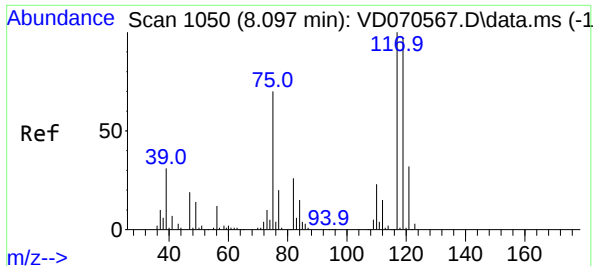
Tgt Ion:113 Resp: 3928
Ion Ratio Lower Upper
113 100
111 106.6 83.1 124.7
192 23.4 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

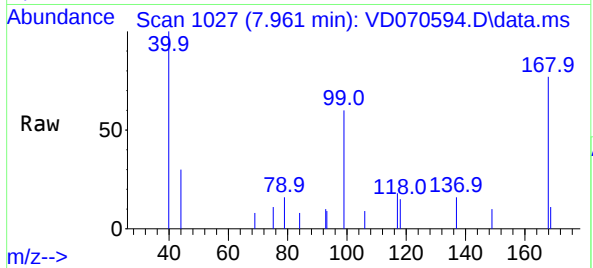
Tgt Ion: 75 Resp: 580
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#



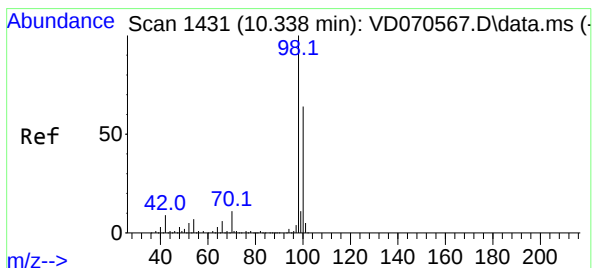
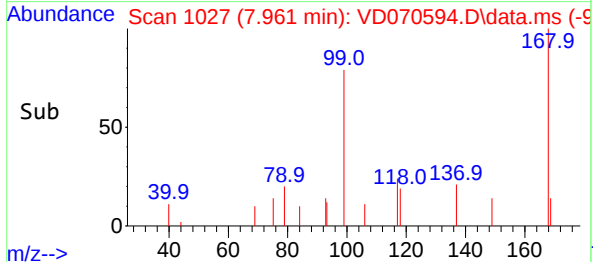
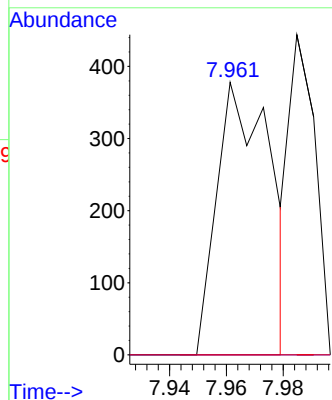


#38
Carbon Tetrachloride
Concen: 3.696 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.135 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

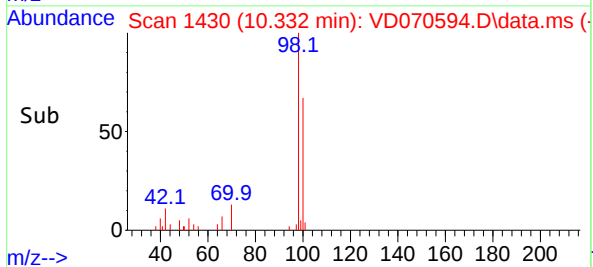
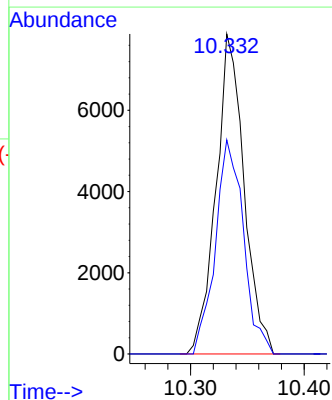
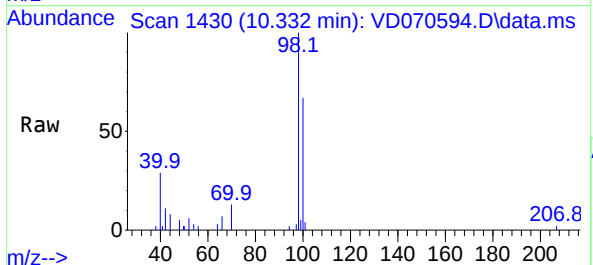


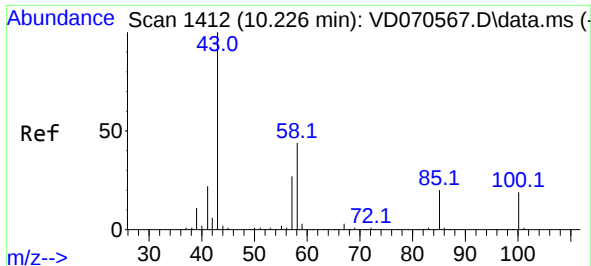
Tgt Ion:117 Resp: 495
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 44.150 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion: 98 Resp: 13523
Ion Ratio Lower Upper
98 100
100 67.0 52.2 78.4

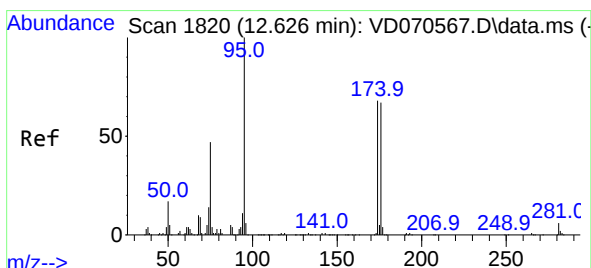
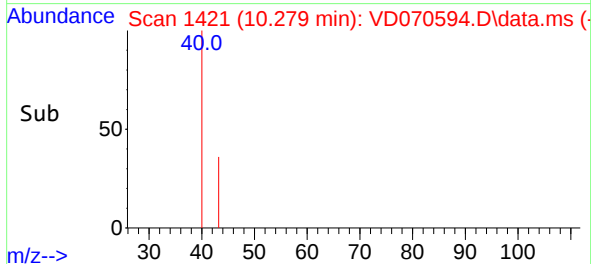
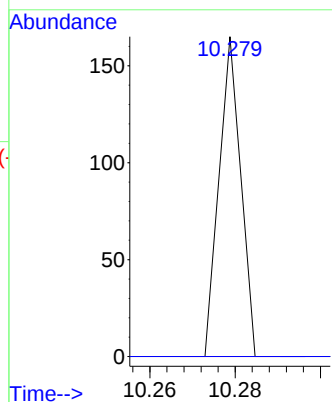
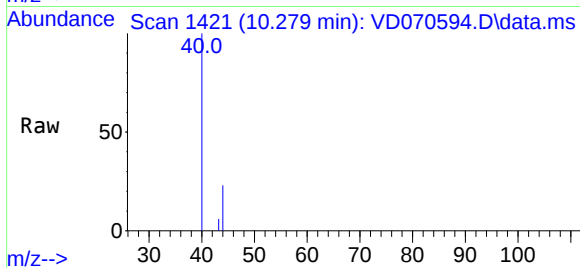




#51
4-Methyl-2-Pentanone
Concen: 1.443 ug/l
RT: 10.279 min Scan# 1421
Delta R.T. 0.053 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

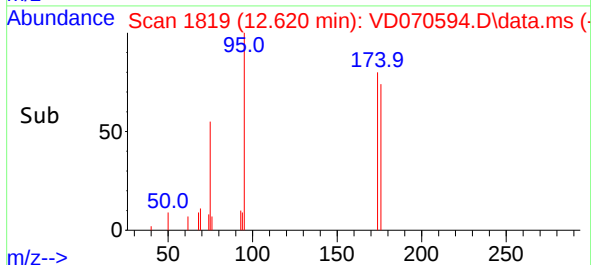
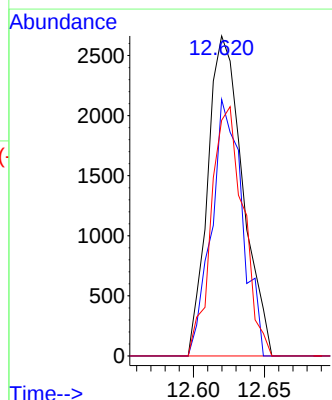
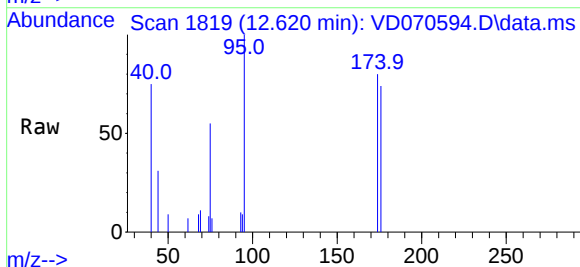
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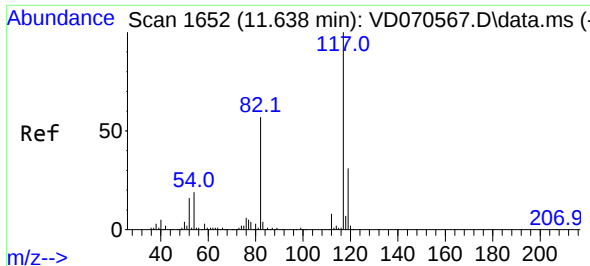
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#



#62
4-Bromofluorobenzene
Concen: 44.544 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

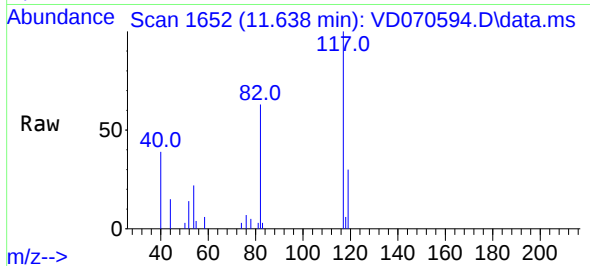
Tgt Ion: 95 Resp: 4560
Ion Ratio Lower Upper
95 100
174 70.4 0.0 138.0
176 71.5 0.0 135.6



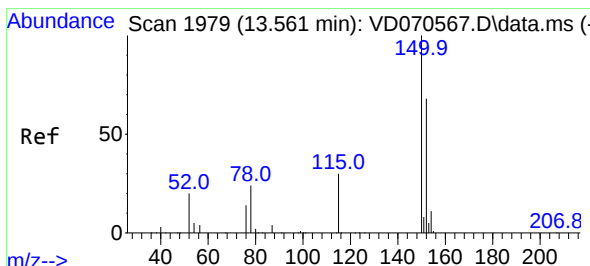
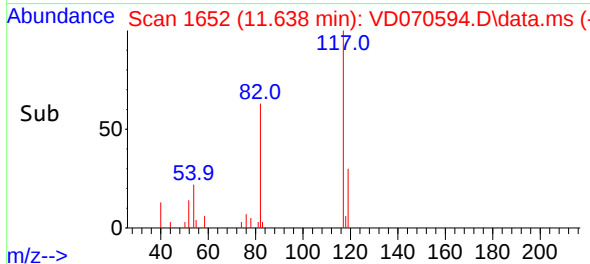
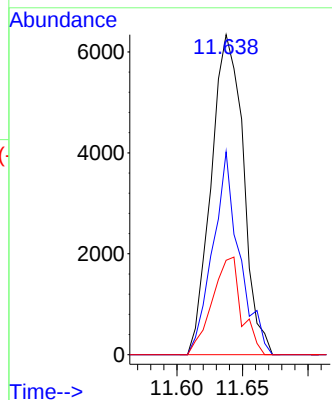


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

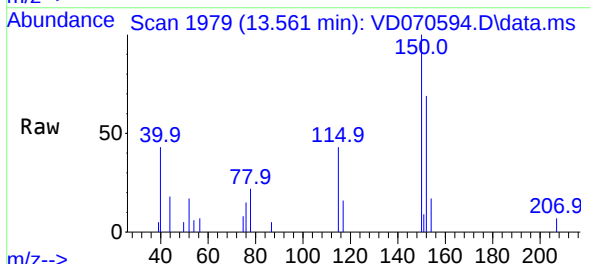
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521



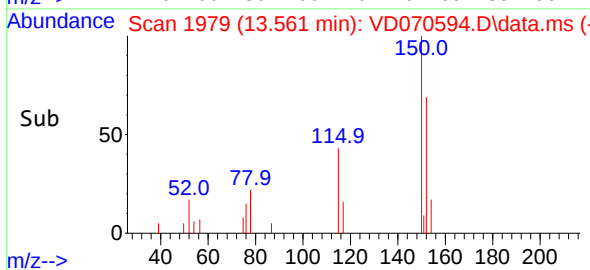
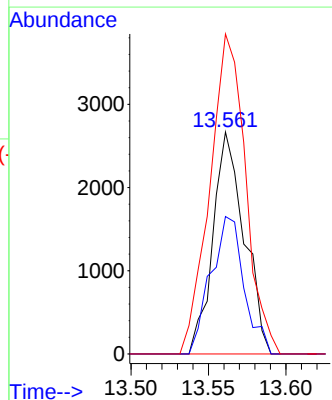
Tgt Ion:	117	Resp:	10791
Ion	Ratio	Lower	Upper
117	100		
82	63.4	45.4	68.2
119	29.5	24.7	37.1

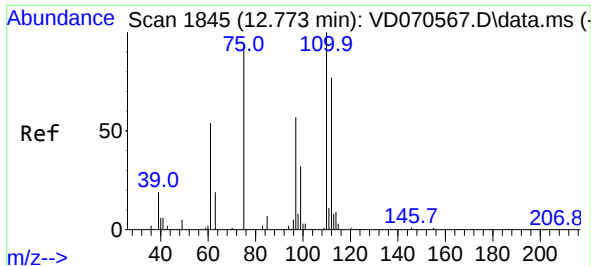


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32



Tgt Ion:	152	Resp:	3749
Ion	Ratio	Lower	Upper
152	100		
115	65.6	31.9	95.7
150	164.6	0.0	350.0

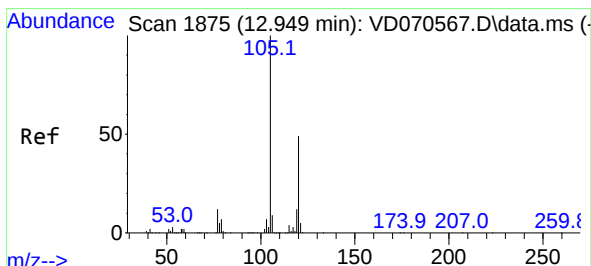
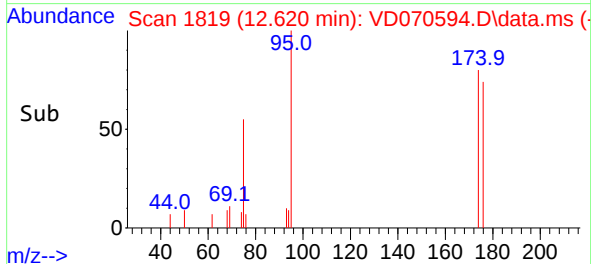
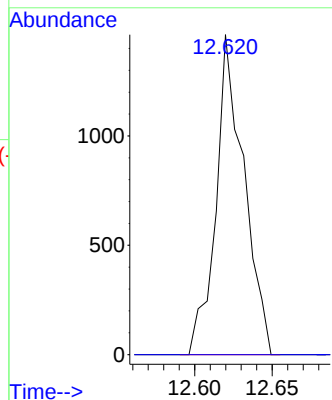
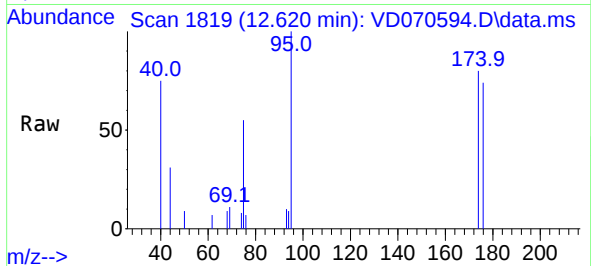




#76
1,2,3-Trichloropropane
Concen: 54.166 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

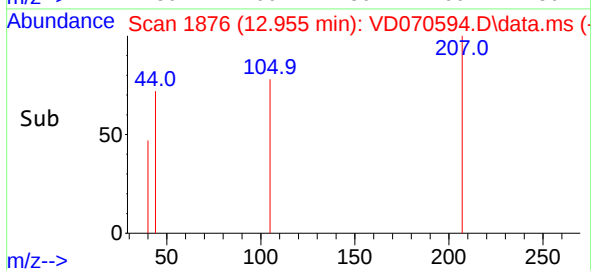
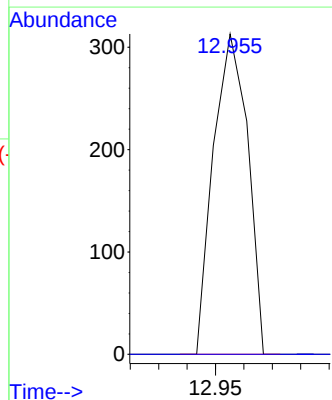
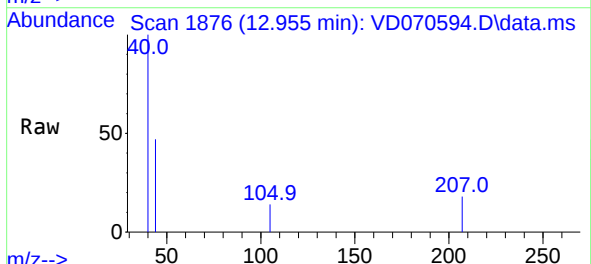
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

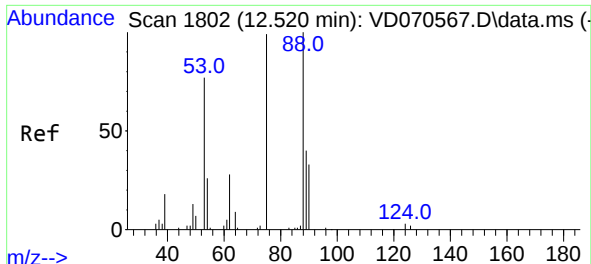
Tgt Ion: 75 Resp: 1838
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.128 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion: 105 Resp: 263
Ion Ratio Lower Upper
105 100
120 0.0 24.4 73.2#

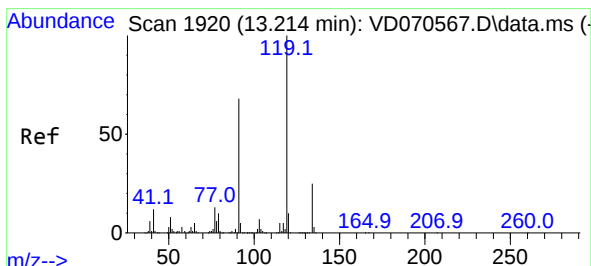
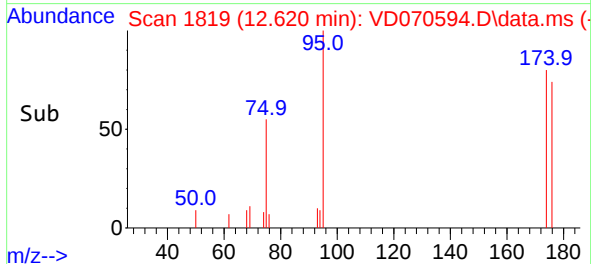
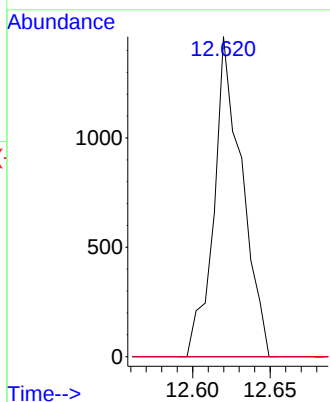
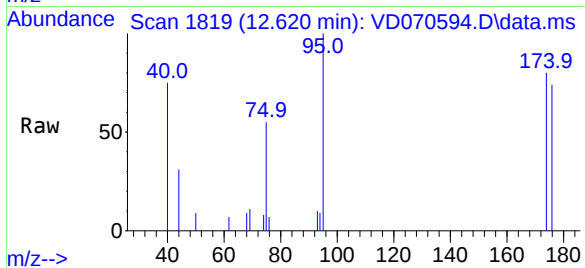




#81
trans-1,4-Dichloro-2-butene
Concen: 120.259 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

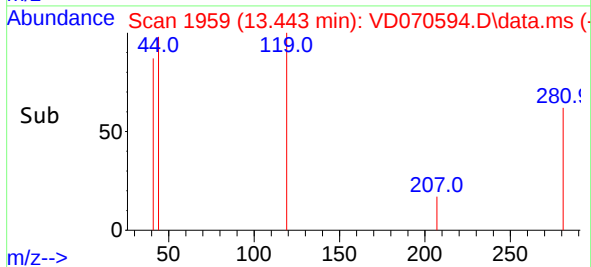
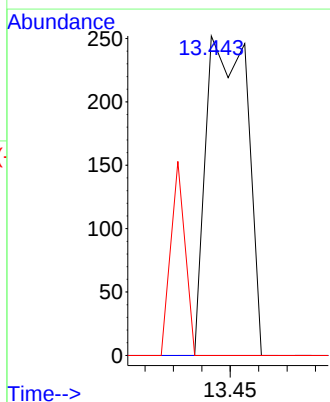
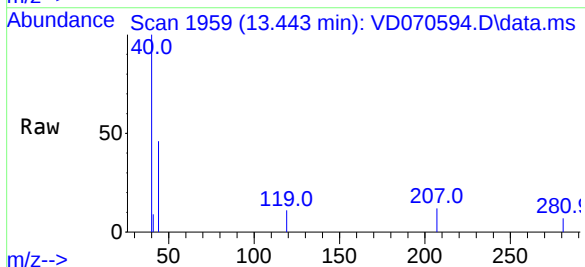
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

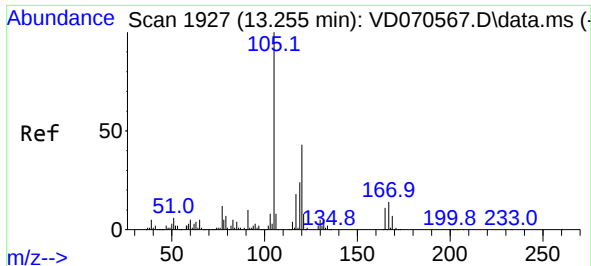
Tgt Ion: 75 Resp: 1838
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#83
tert-Butylbenzene
Concen: 1.313 ug/l
RT: 13.443 min Scan# 1959
Delta R.T. 0.229 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion: 119 Resp: 253
Ion Ratio Lower Upper
119 100
91 0.0 33.1 99.3#
134 21.3 13.2 39.5

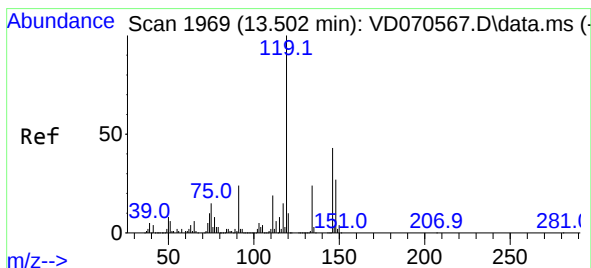
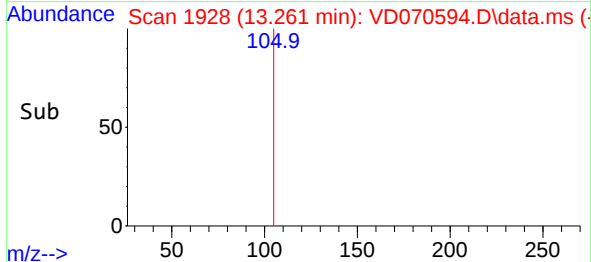
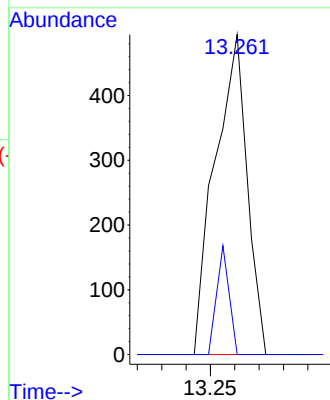
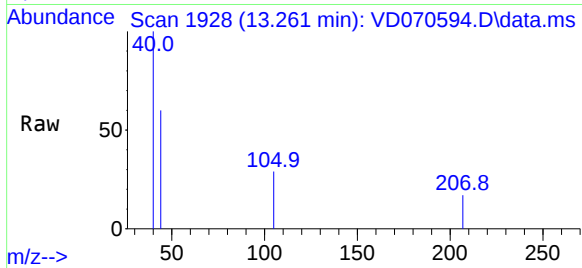




#84
1,2,4-Trimethylbenzene
Concen: 1.949 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

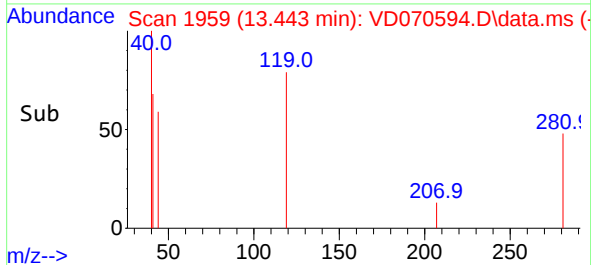
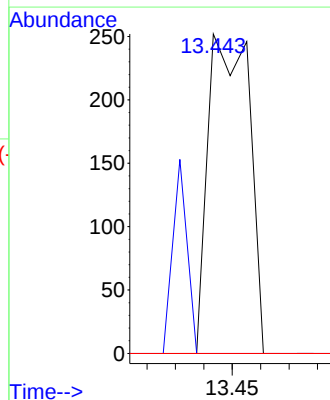
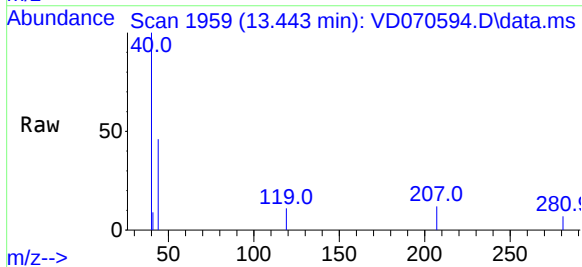
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

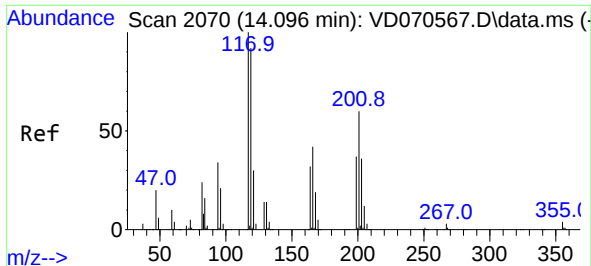
Tgt Ion:105 Resp: 452
Ion Ratio Lower Upper
105 100
120 13.1 21.9 65.8#



#86
p-Isopropyltoluene
Concen: 1.037 ug/l
RT: 13.443 min Scan# 1959
Delta R.T. -0.059 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion:119 Resp: 253
Ion Ratio Lower Upper
119 100
134 21.3 12.5 37.5
91 0.0 11.9 35.5#

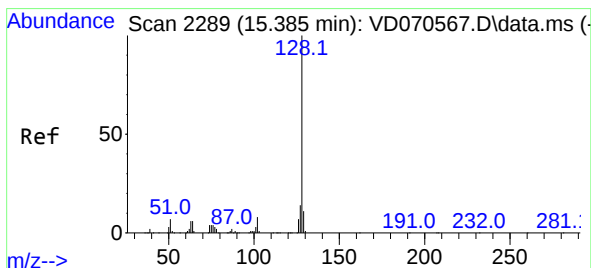
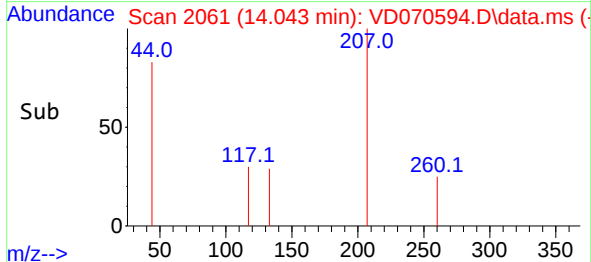
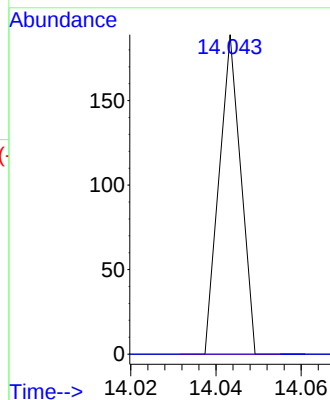
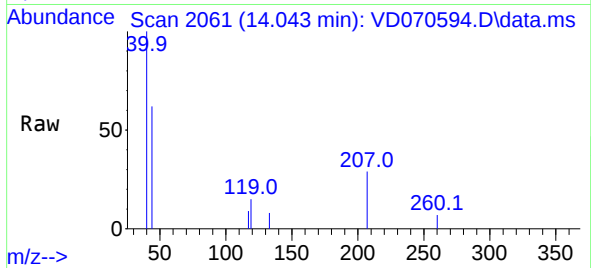




#90
Hexachloroethane
Concen: 1.270 ug/l
RT: 14.043 min Scan# 2061
Delta R.T. -0.053 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

Tgt Ion:117 Resp: 67
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#



#95
Naphthalene
Concen: 3.001 ug/l
RT: 15.184 min Scan# 2255
Delta R.T. -0.201 min
Lab File: VD070594.D
Acq: 06 Oct 2021 15:32

Tgt Ion:128 Resp: 64
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

