

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110722\
 Data File : VD074757.D
 Acq On : 07 Nov 2022 13:16
 Operator : VA/SY
 Sample : N5418-16RE
 Misc : 4.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19

Quant Time: Nov 08 00:21:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

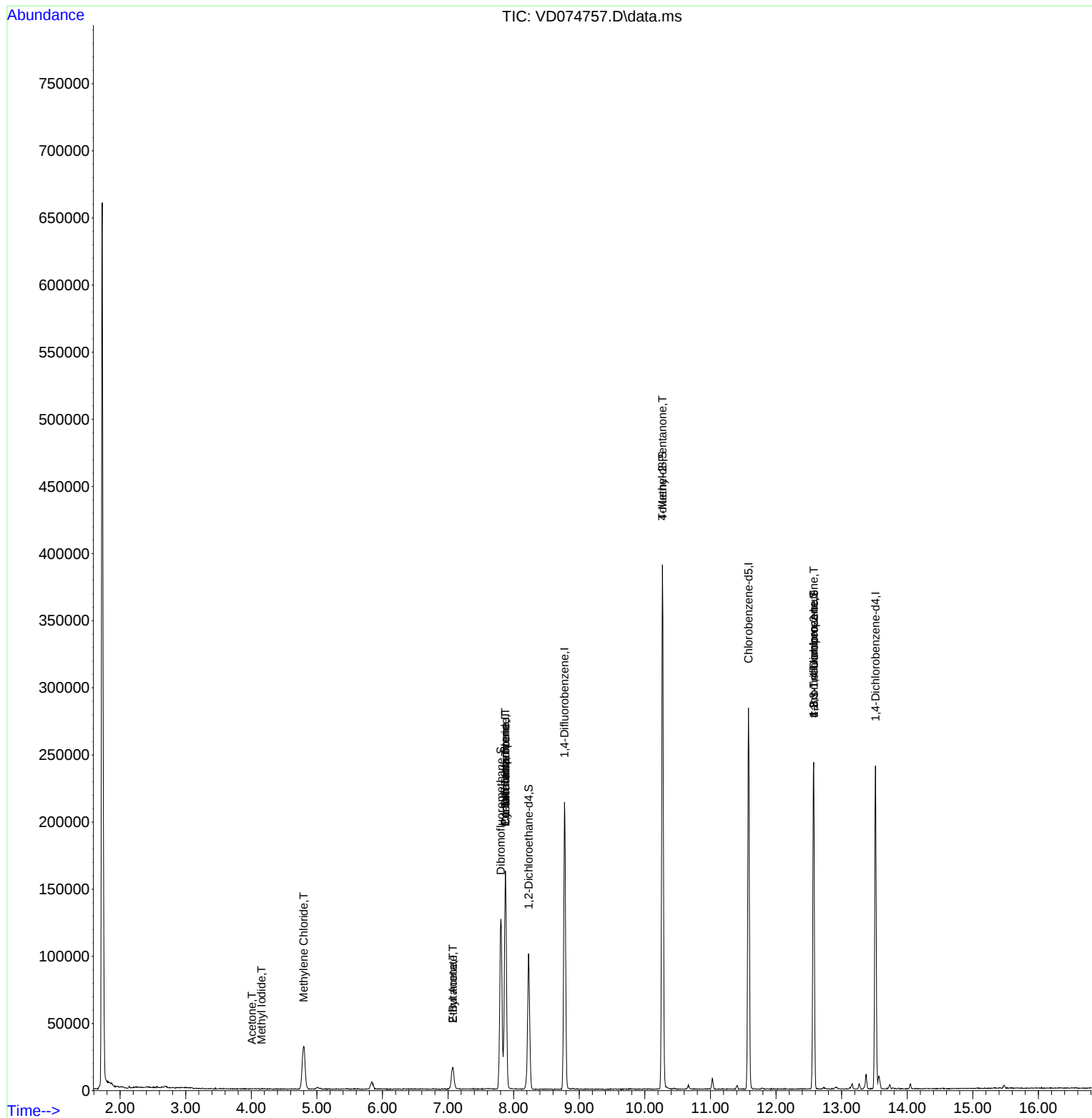
Internal Standards						
1) Pentafluorobenzene	7.875	168	132138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	201768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	175632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	68769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73894	70.607	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.220%	
35) Dibromofluoromethane	7.804	113	95327	79.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 159.740%#	
50) Toluene-d8	10.269	98	279102	64.107	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 128.220%	
62) 4-Bromofluorobenzene	12.575	95	76127	60.560	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	196	5.653	ug/l #	43
11) Tert butyl alcohol	5.016	59	575	Below Cal	#	84
16) Acetone	4.011	43	467	2.138	ug/l #	37
20) Methylene Chloride	4.799	84	28593	5.444	ug/l	97
25) 2-Butanone	7.075	43	880	2.931	ug/l #	42
31) Cyclohexane	7.875	56	2425	1.144	ug/l #	30
36) 1,1-Dichloropropene	7.875	75	9424	5.202	ug/l #	47
37) Ethyl Acetate	7.075	43	880	1.456	ug/l #	1
38) Carbon Tetrachloride	7.875	117	12511	7.289	ug/l #	19
51) 4-Methyl-2-Pentanone	10.269	43	868	1.592	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	36927	69.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	36927	164.426	ug/l #	17

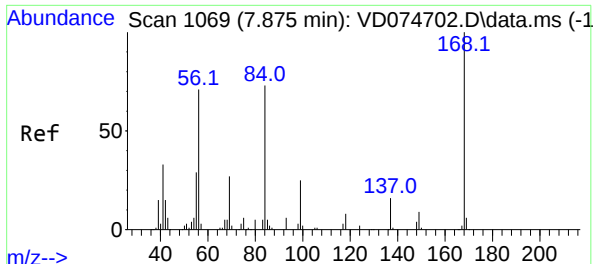
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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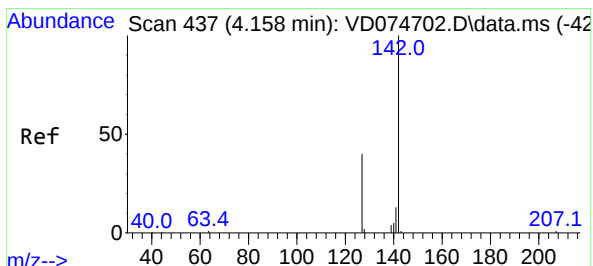
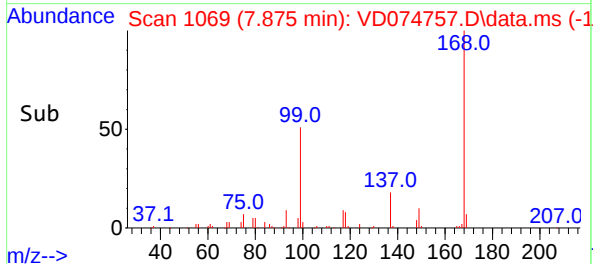
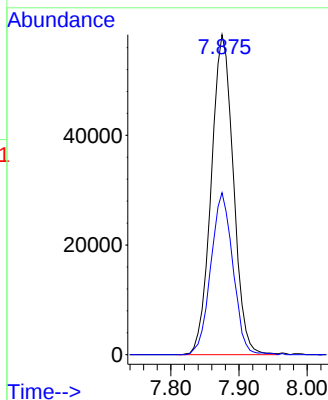
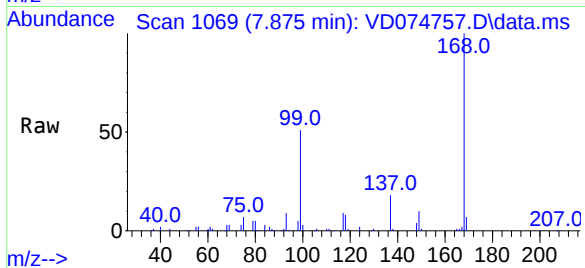




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

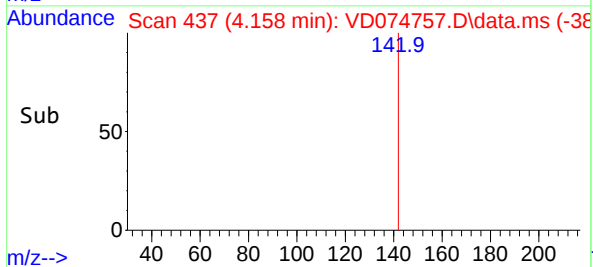
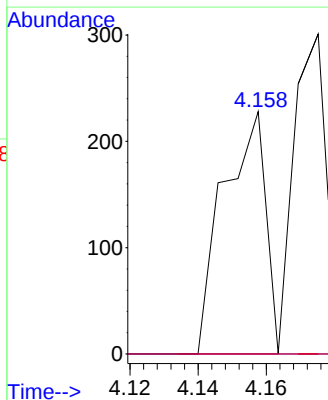
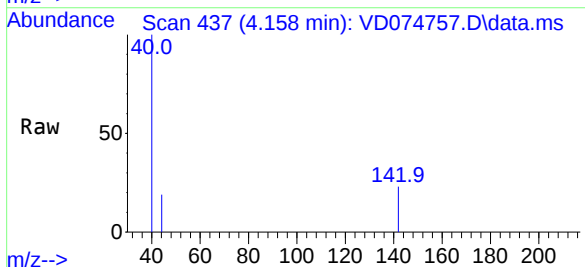
Instrument :
MSVOA_D
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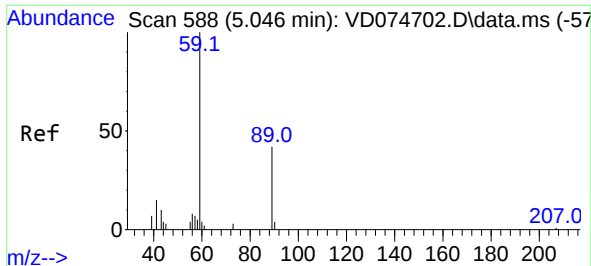
Tgt Ion:168 Resp: 132138
Ion Ratio Lower Upper
168 100
99 50.6 40.9 61.3



#10
Methyl Iodide
Concen: 5.653 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion:142 Resp: 196
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

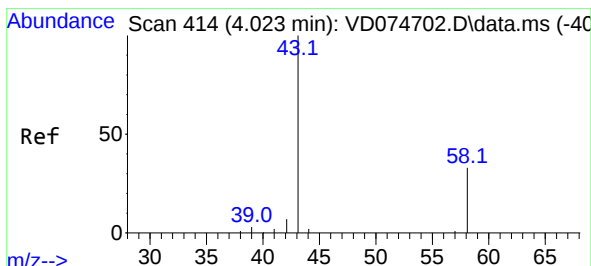
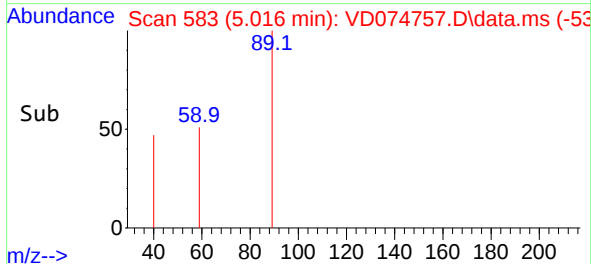
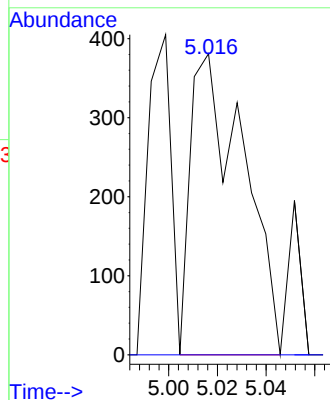
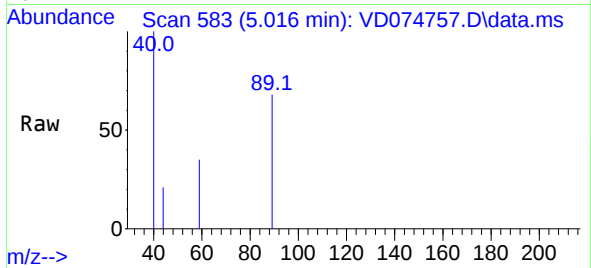




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

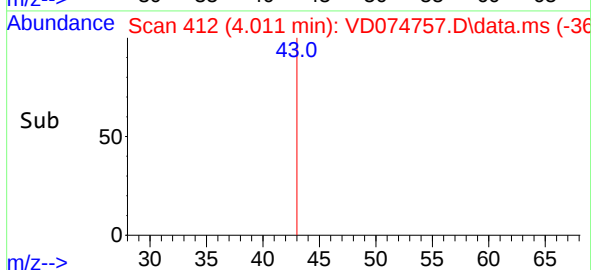
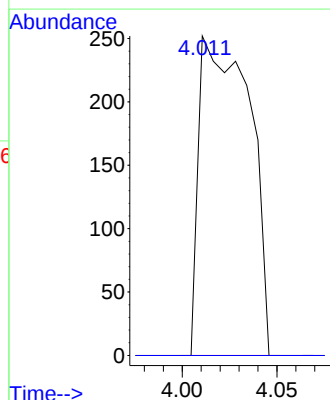
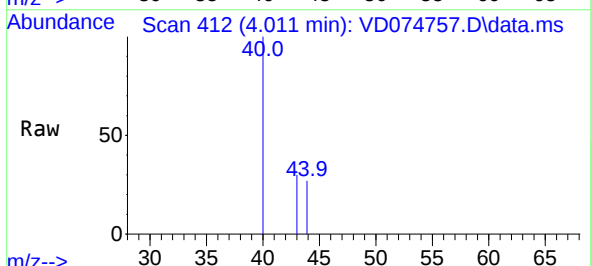
Instrument :
MSVOA_D
ClientSampleId :
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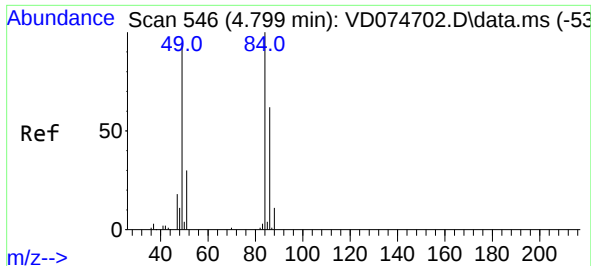
Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 2.138 ug/l
RT: 4.011 min Scan# 412
Delta R.T. -0.012 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

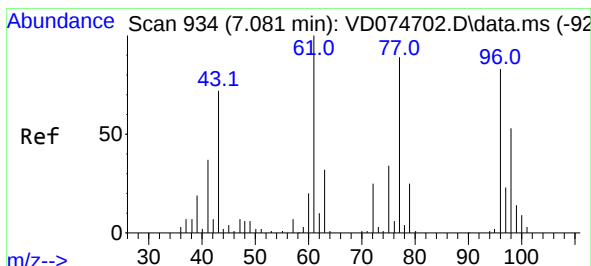
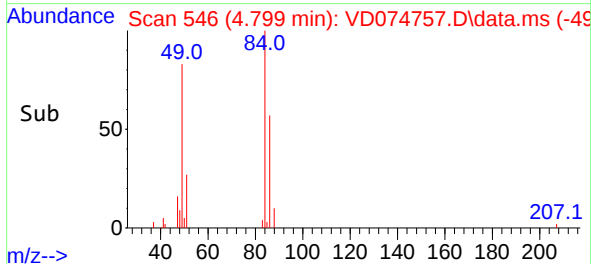
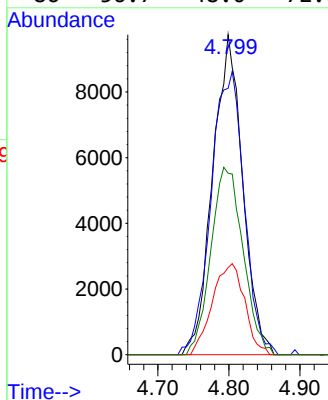
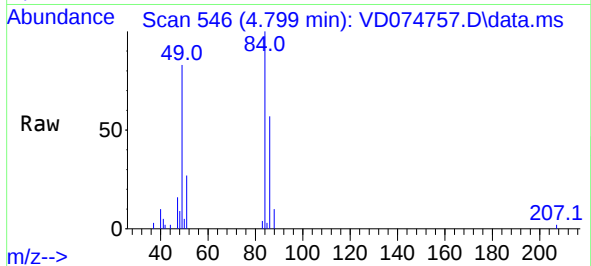




#20
Methylene Chloride
Concen: 5.444 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

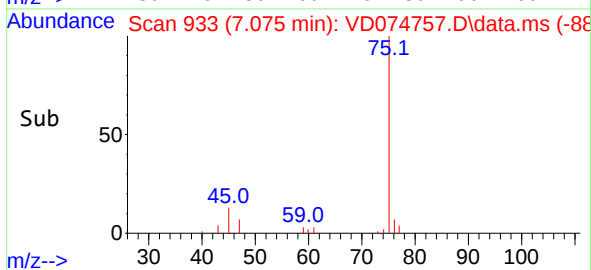
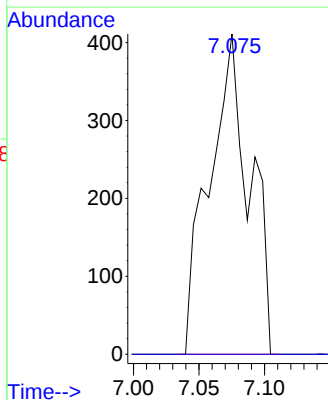
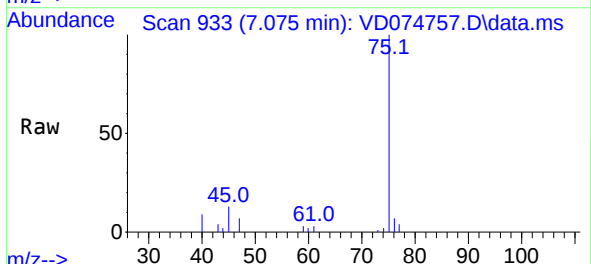
Instrument :
MSVOA_D
ClientSampleId :
SB-19

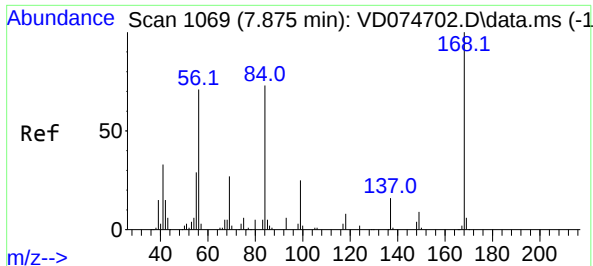
Tgt Ion:	84	Resp:	28593
Ion	Ratio	Lower	Upper
84	100		
49	83.2	68.0	102.0
51	27.2	23.2	34.8
86	56.7	48.0	72.0



#25
2-Butanone
Concen: 2.931 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion:	43	Resp:	880
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

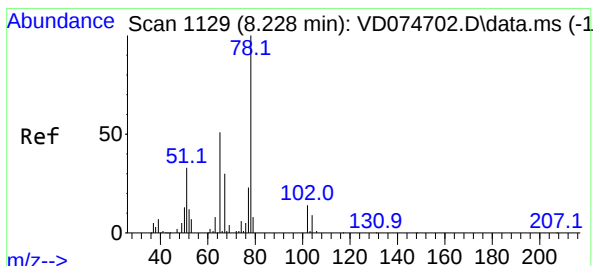
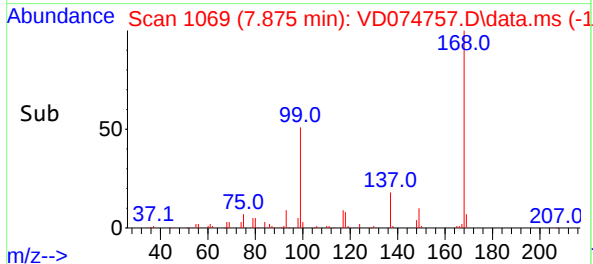
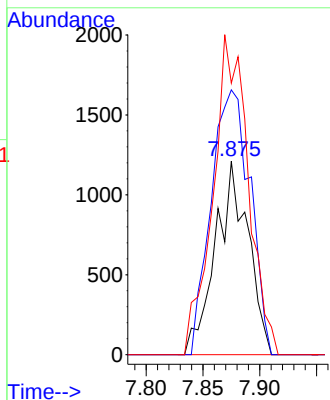
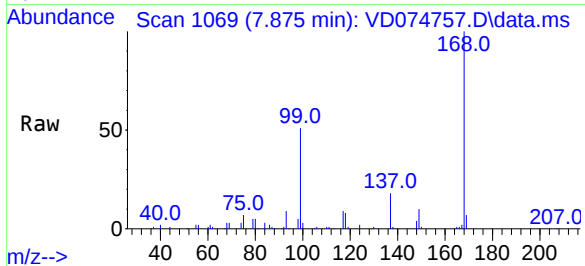




#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

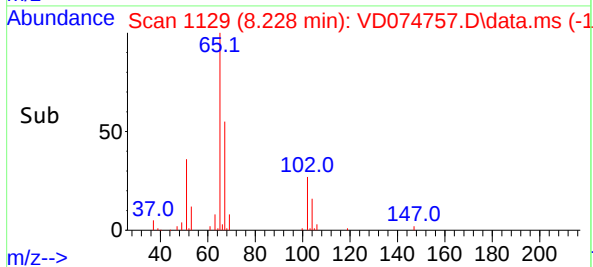
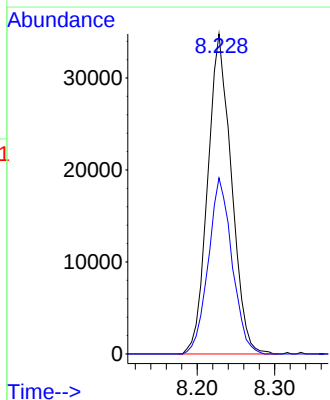
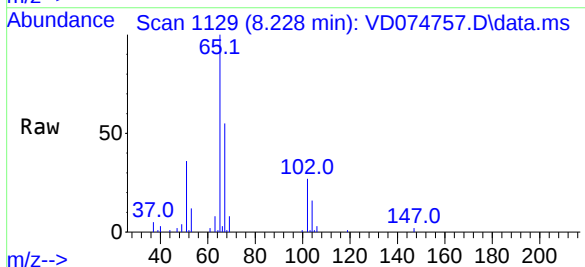
Instrument :
MSVOA_D
ClientSampleId :
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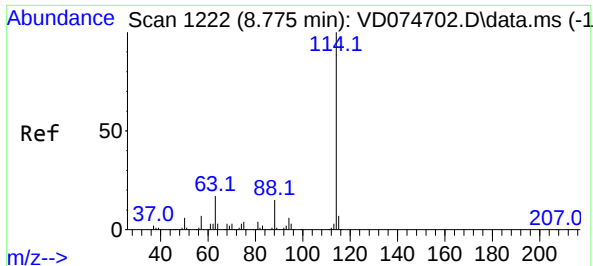
Tgt Ion: 56 Resp: 2425
Ion Ratio Lower Upper
56 100
69 136.9 29.2 43.8#
84 140.4 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 70.607 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion: 65 Resp: 73894
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074757.D

Acq: 07 Nov 2022 13:16

Instrument :

MSVOA_D

ClientSampleId :

SB-19

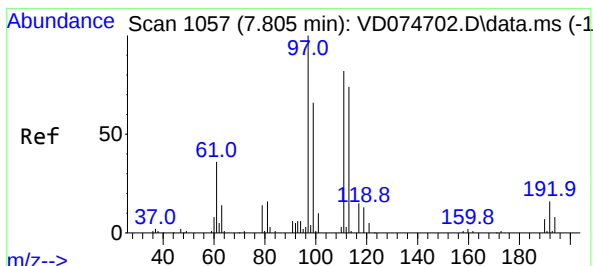
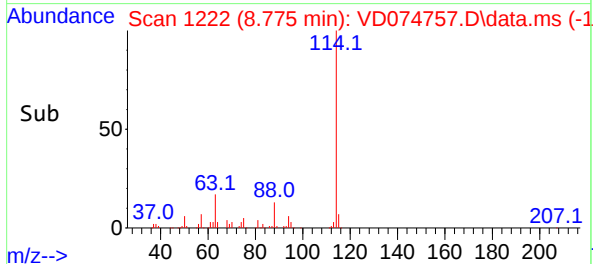
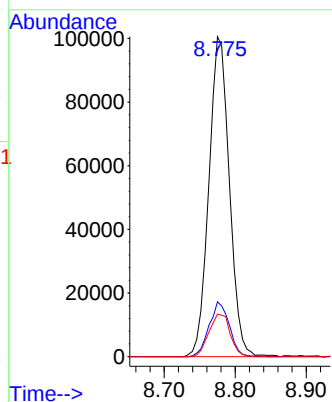
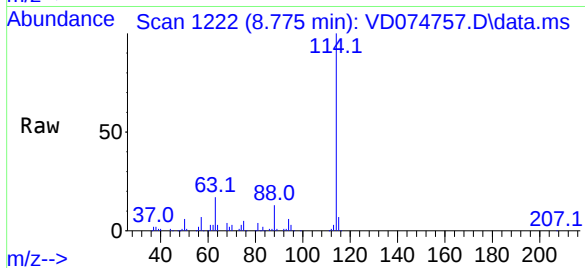
Tgt Ion:114 Resp: 201768

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.2

88 13.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 79.869 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074757.D

Acq: 07 Nov 2022 13:16

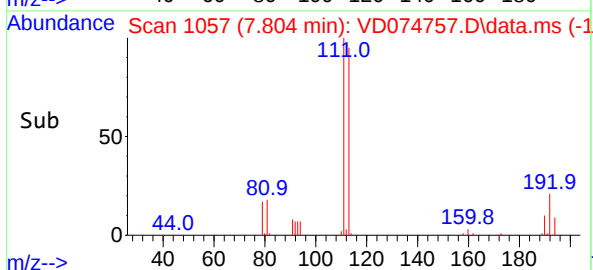
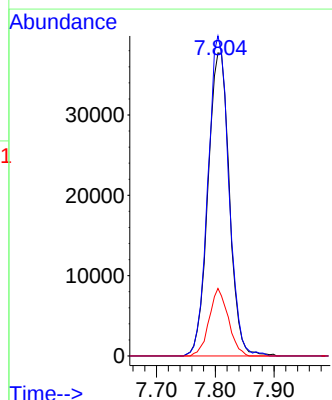
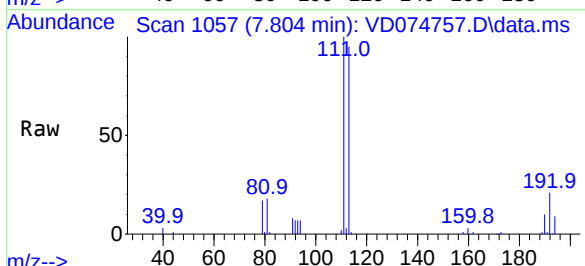
Tgt Ion:113 Resp: 95327

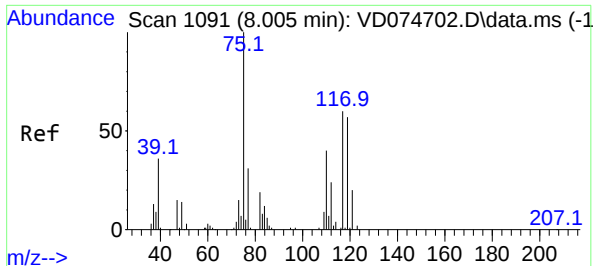
Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 20.0 16.4 24.6

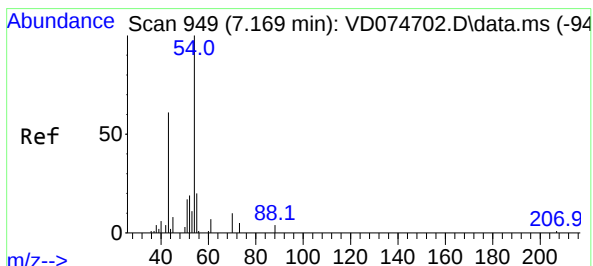
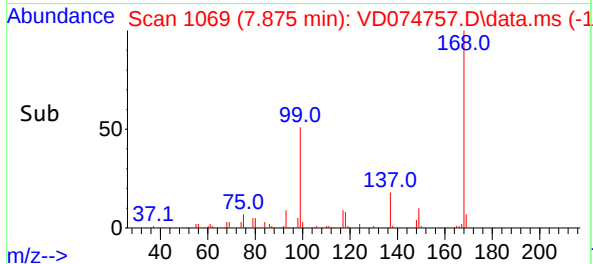
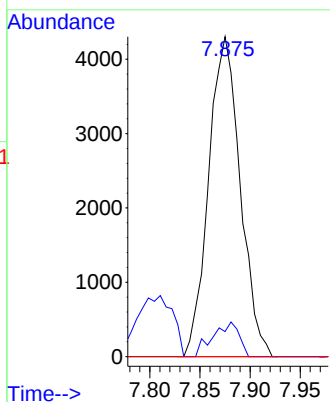
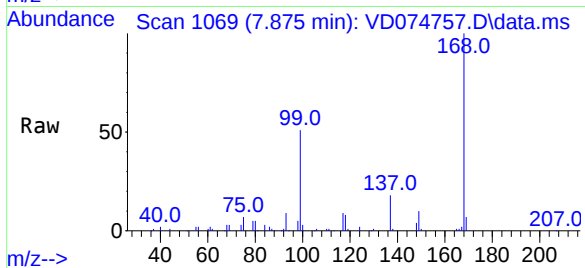




#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

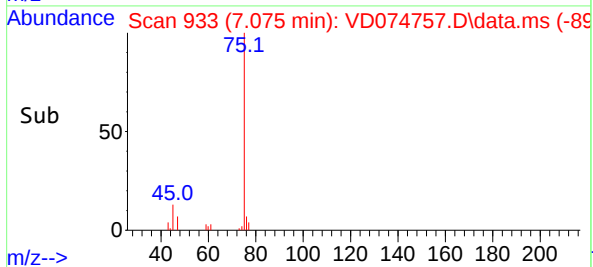
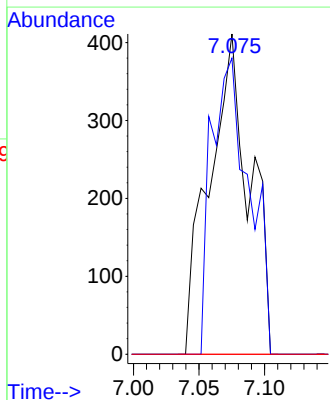
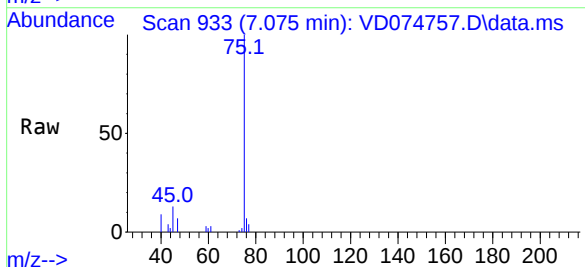
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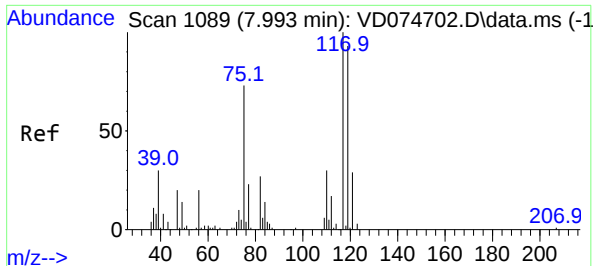
Tgt Ion: 75 Resp: 9424
Ion Ratio Lower Upper
75 100
110 9.0 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.456 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.094 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
61 86.4 12.2 18.4#
70 0.0 9.6 14.4#

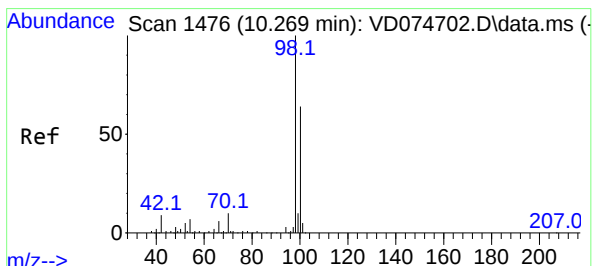
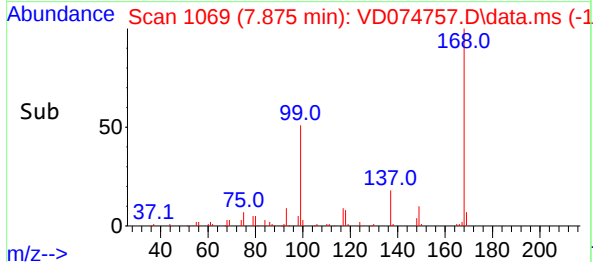
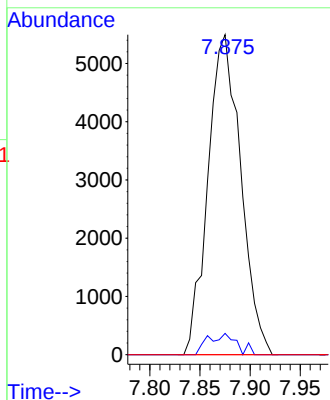
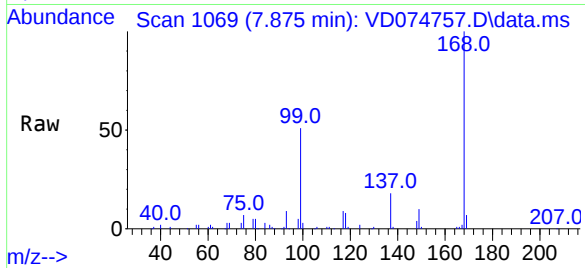




#38
Carbon Tetrachloride
Concen: 7.289 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

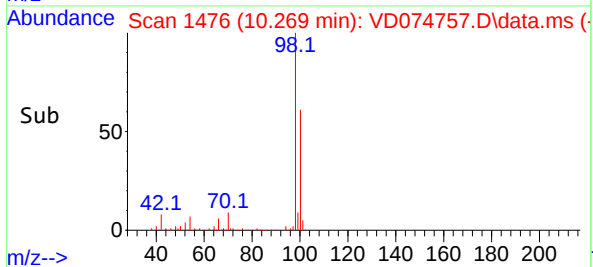
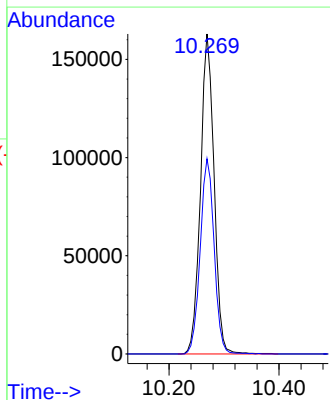
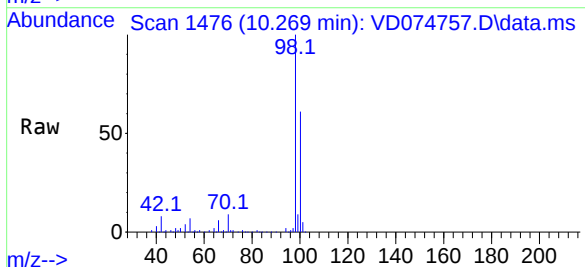
Instrument :
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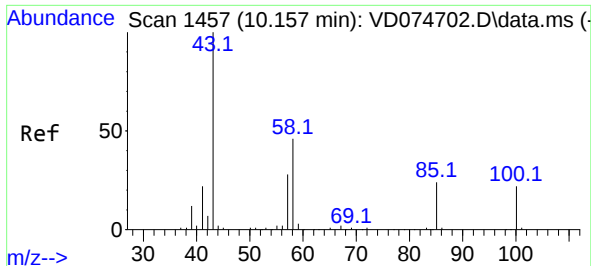
Tgt Ion:117 Resp: 12511
Ion Ratio Lower Upper
117 100
119 6.6 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 64.107 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion: 98 Resp: 279102
Ion Ratio Lower Upper
98 100
100 62.7 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.592 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074757.D

Acq: 07 Nov 2022 13:16

Instrument :

MSVOA_D

ClientSampleId :

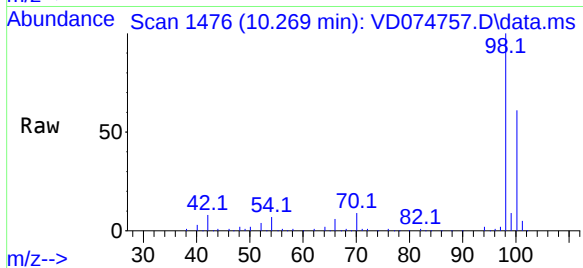
SB-19

Tgt Ion: 43 Resp: 868

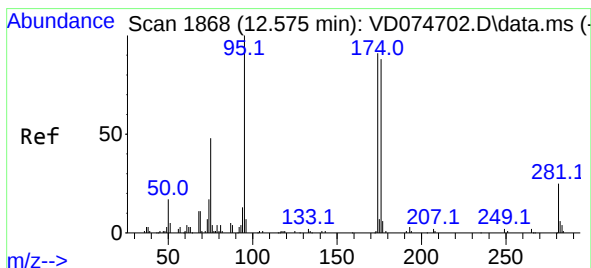
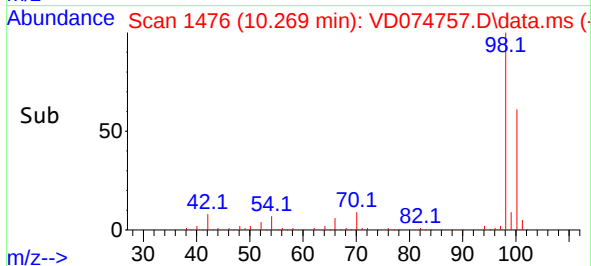
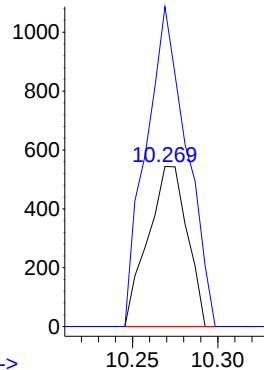
Ion Ratio Lower Upper

43 100

58 206.8 37.8 56.6#



Abundance



#62

4-Bromofluorobenzene

Concen: 60.560 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074757.D

Acq: 07 Nov 2022 13:16

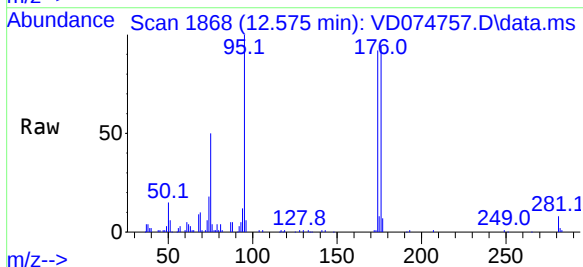
Tgt Ion: 95 Resp: 76127

Ion Ratio Lower Upper

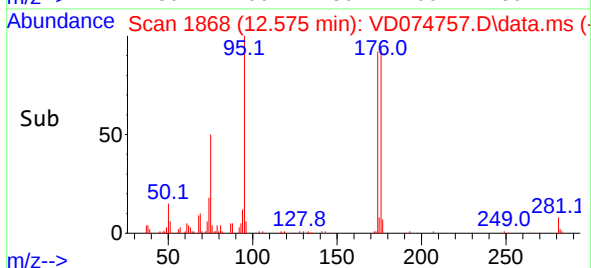
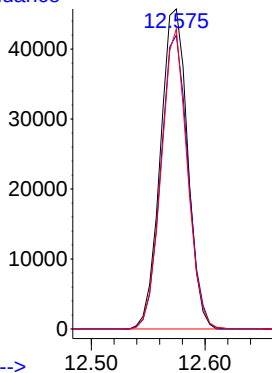
95 100

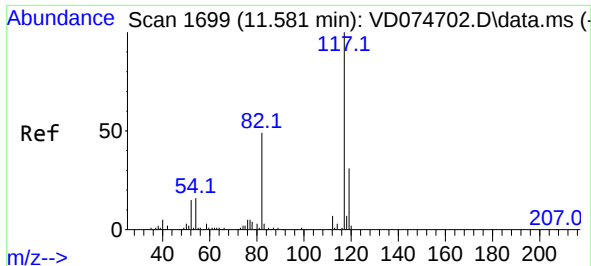
174 91.5 0.0 197.0

176 89.5 0.0 182.6



Abundance

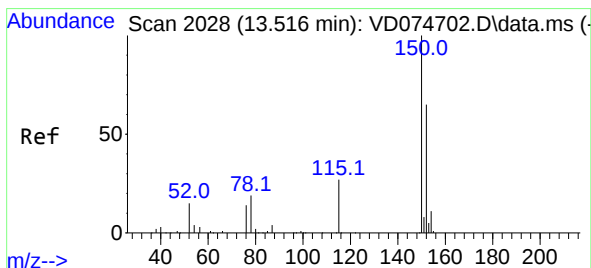
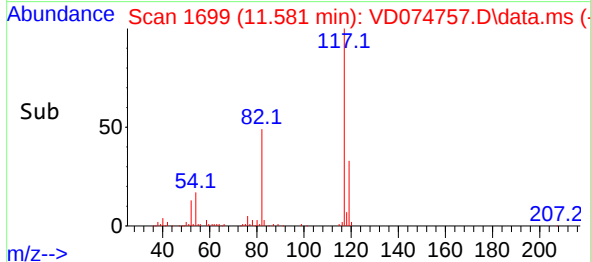
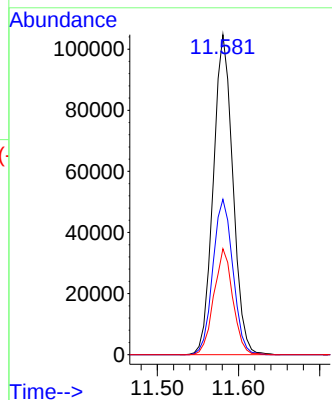
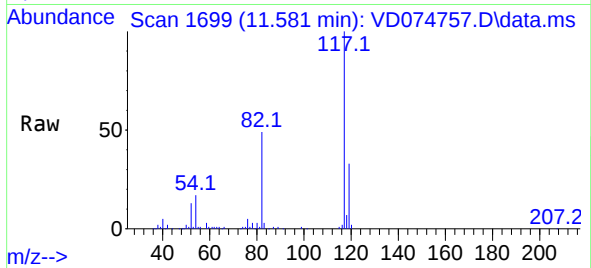




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

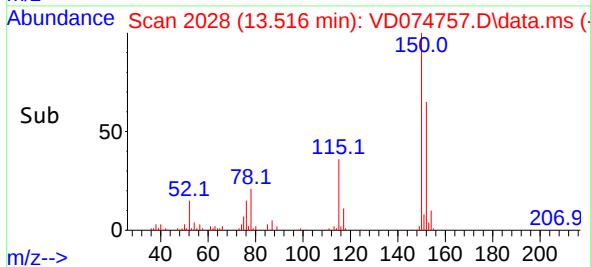
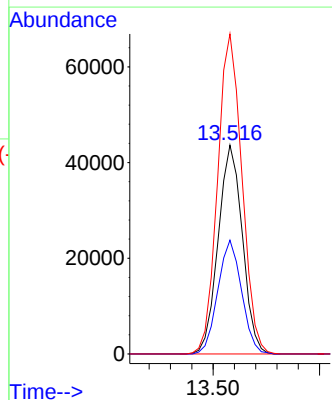
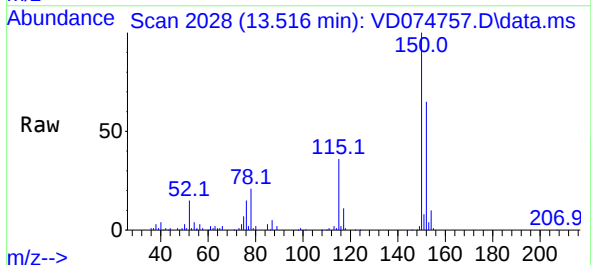
Instrument :
MSVOA_D
ClientSampleId :
SB-19

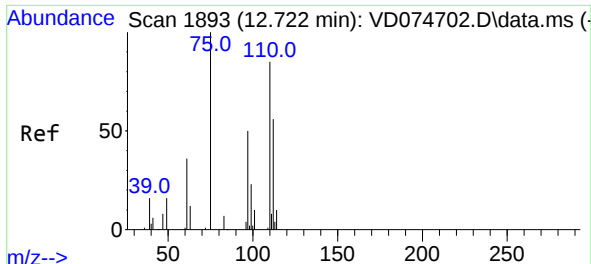
Tgt Ion:117 Resp: 175632
Ion Ratio Lower Upper
117 100
82 48.5 41.6 62.4
119 33.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion:152 Resp: 68769
Ion Ratio Lower Upper
152 100
115 53.4 26.8 80.4
150 154.1 0.0 348.2

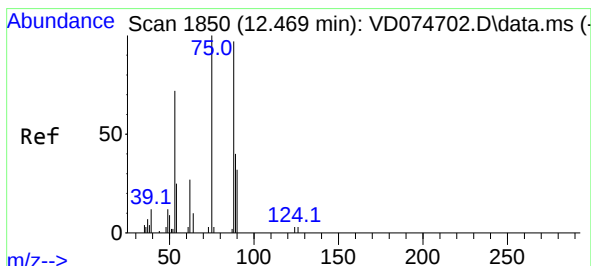
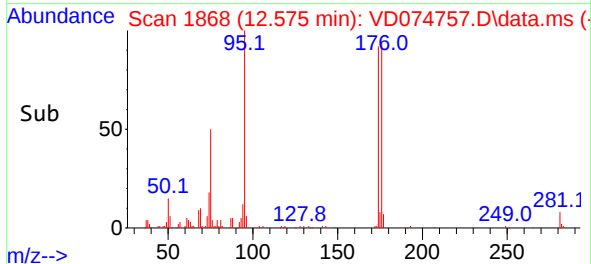
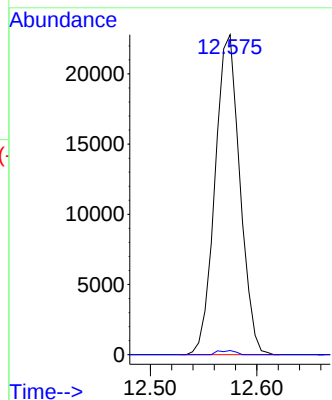
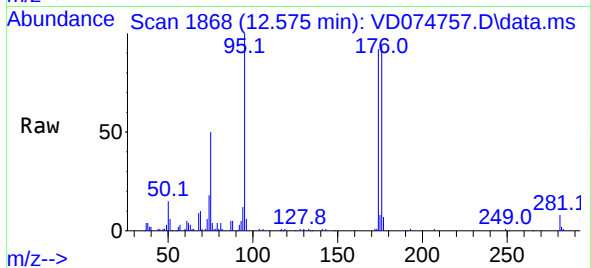




#76
1,2,3-Trichloropropane
Concen: 69.268 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Instrument :
MSVOA_D
ClientSampleId :
SB-19

Tgt Ion: 75 Resp: 36927
Ion Ratio Lower Upper
75 100
77 0.9 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 164.426 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074757.D
Acq: 07 Nov 2022 13:16

Tgt Ion: 75 Resp: 36927
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

