

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075703.D
 Acq On : 17 Apr 2023 16:09
 Operator : KP/SY
 Sample : 02347-03RE
 Misc : 3.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20230271-20-1RE

Quant Time: Apr 18 01:18:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

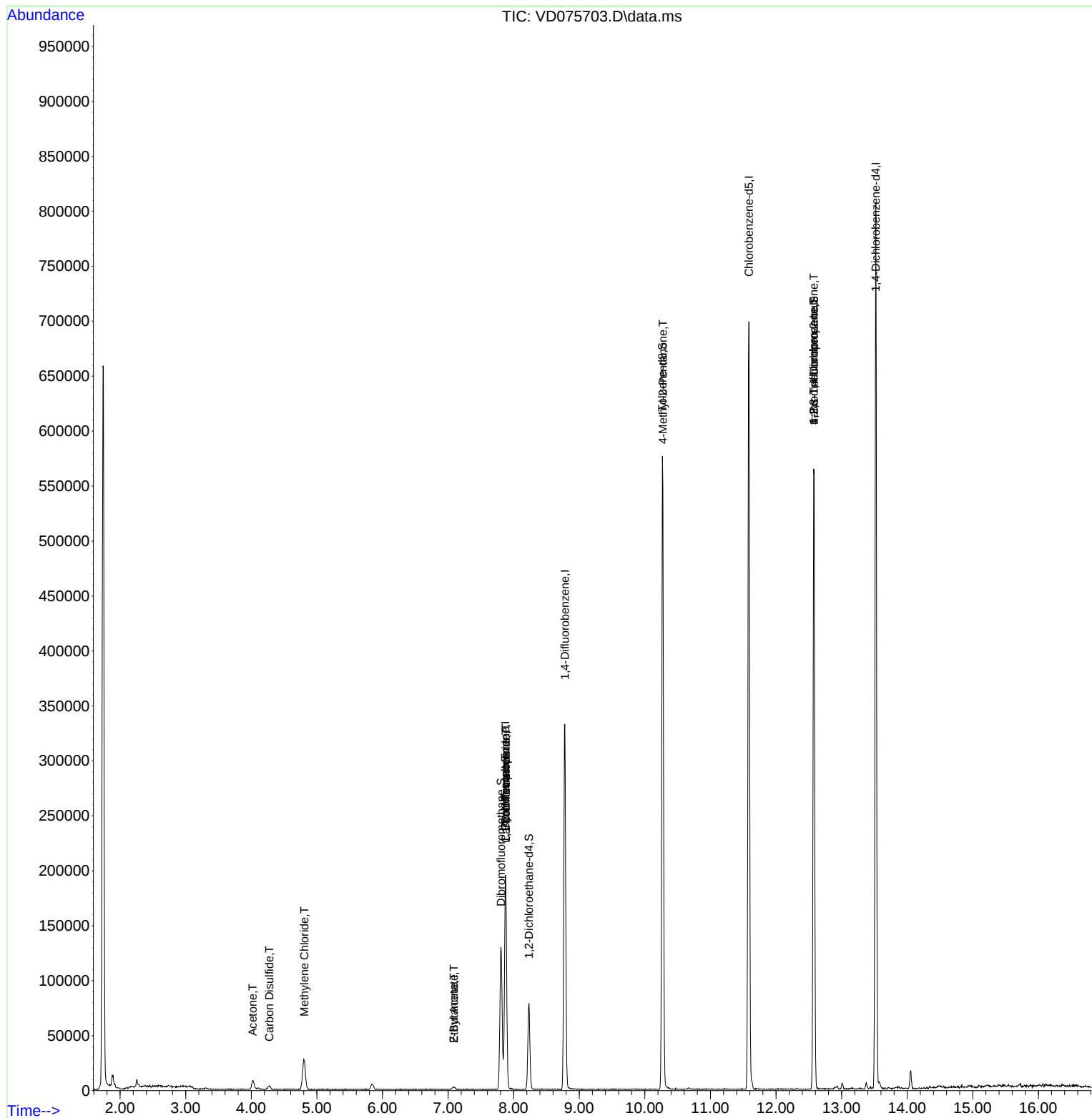
Internal Standards						
1) Pentafluorobenzene	7.875	168	162917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	326426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	444421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	224348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59233	38.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.600%		
35) Dibromofluoromethane	7.810	113	99310	45.233	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.460%		
50) Toluene-d8	10.269	98	429601	48.861	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.575	95	184656	79.016	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	158.040%#		
Target Compounds						Qvalue
16) Acetone	4.022	43	13350	47.123	ug/l #	86
17) Carbon Disulfide	4.275	76	7615	1.275	ug/l #	94
20) Methylene Chloride	4.810	84	25210	7.591	ug/l #	66
25) 2-Butanone	7.087	43	3756	10.297	ug/l #	89
31) Cyclohexane	7.875	56	3039	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	11925	3.937	ug/l #	49
37) Ethyl Acetate	7.087	43	3756	4.075	ug/l #	80
38) Carbon Tetrachloride	7.881	117	15244	5.715	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	1105	1.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	89645	48.999	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	89645	106.200	ug/l #	5

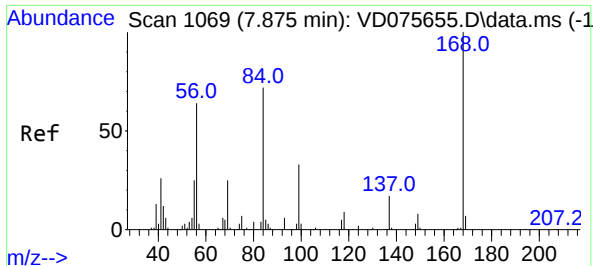
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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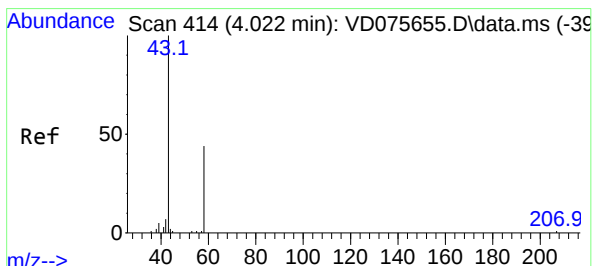
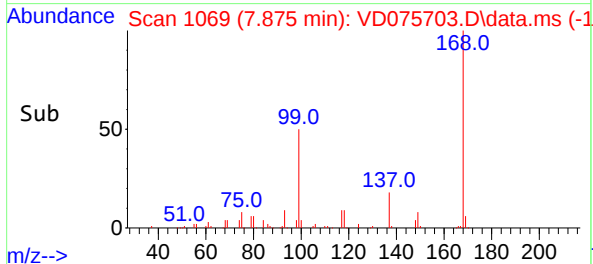
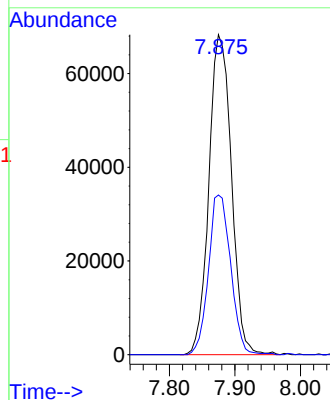
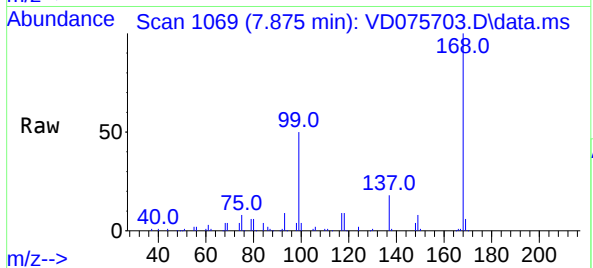




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

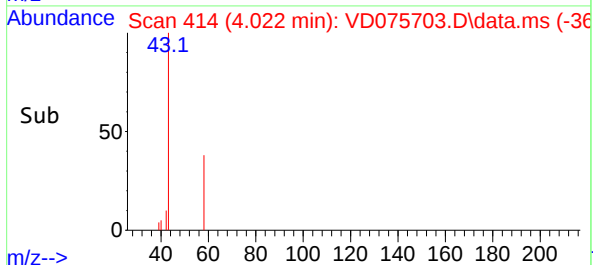
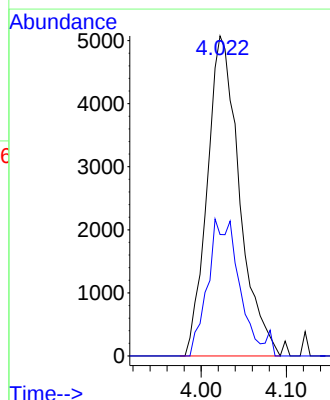
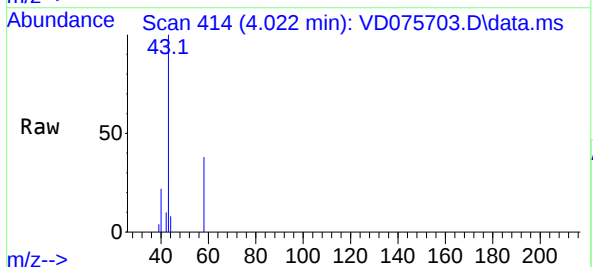
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1RE

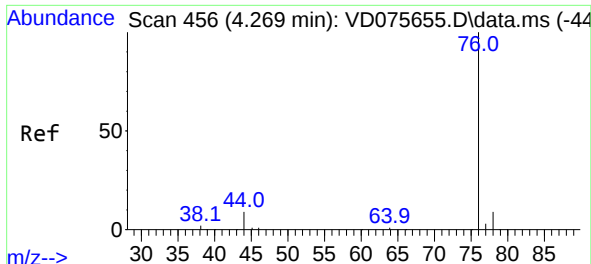
Tgt Ion:168 Resp: 162917
Ion Ratio Lower Upper
168 100
99 49.9 43.8 65.6



#16
Acetone
Concen: 47.123 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Tgt Ion: 43 Resp: 13350
Ion Ratio Lower Upper
43 100
58 38.0 24.4 36.6#

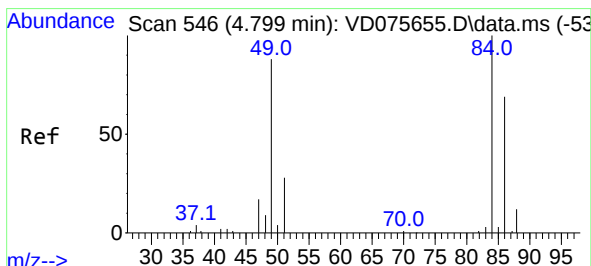
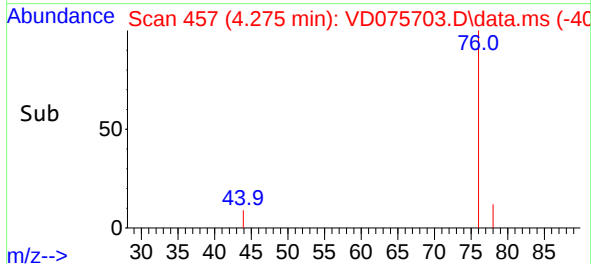
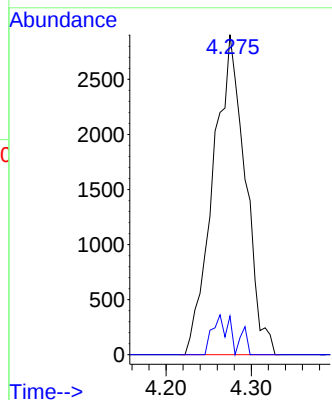
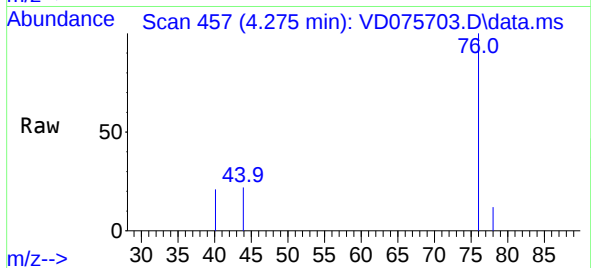




#17
Carbon Disulfide
Concen: 1.275 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

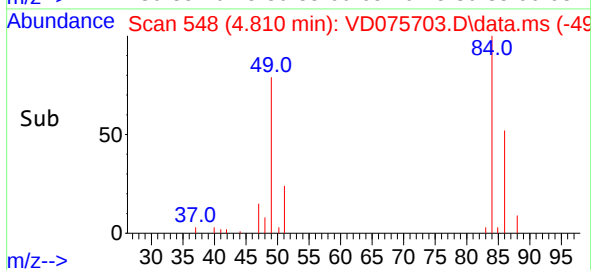
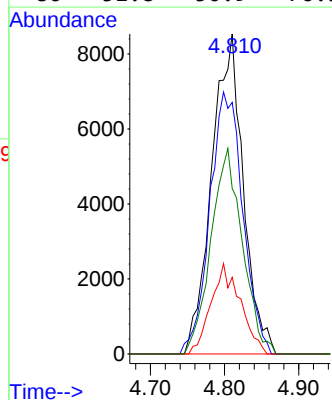
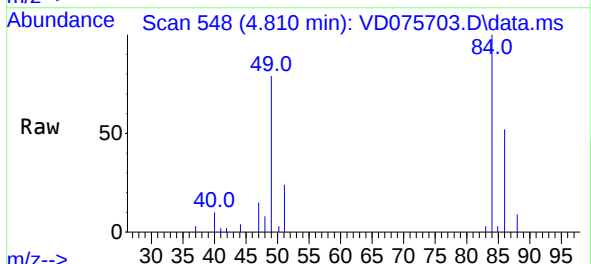
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1RE

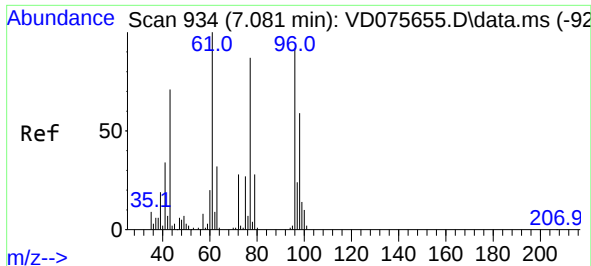
Tgt Ion: 76 Resp: 7615
Ion Ratio Lower Upper
76 100
78 12.0 8.0 12.0#



#20
Methylene Chloride
Concen: 7.591 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.011 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Tgt Ion: 84 Resp: 25210
Ion Ratio Lower Upper
84 100
49 78.6 106.4 159.6#
51 24.0 32.4 48.6#
86 51.8 50.9 76.3

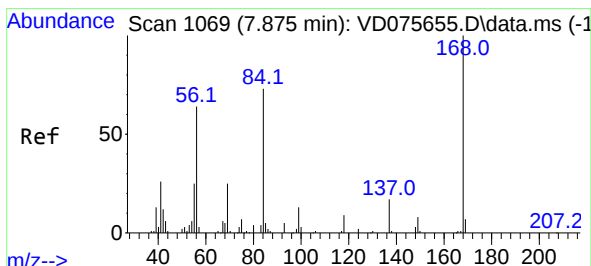
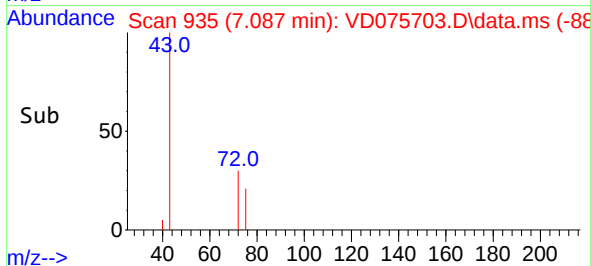
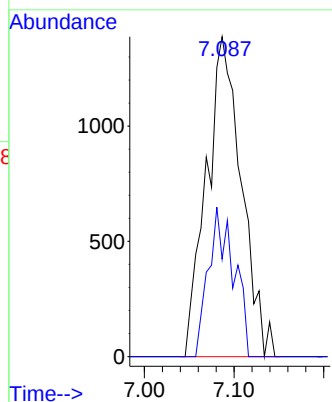
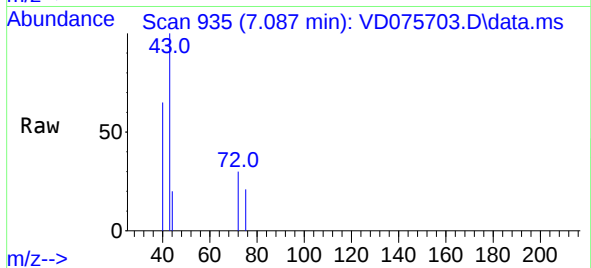




#25
2-Butanone
Concen: 10.297 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

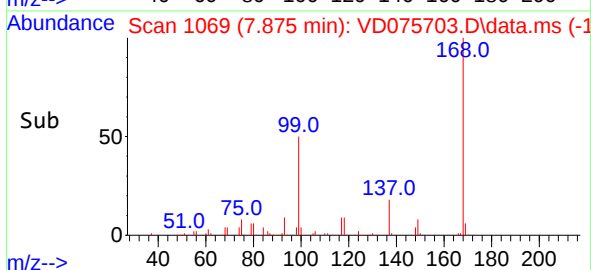
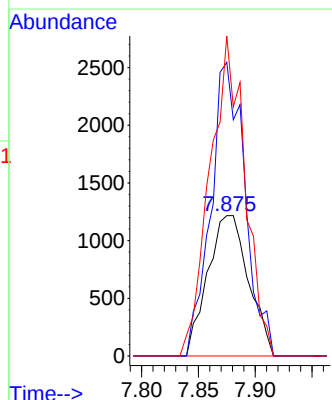
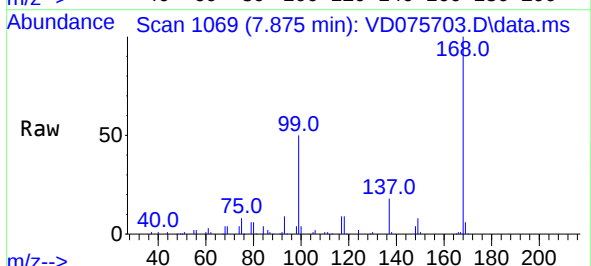
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1RE

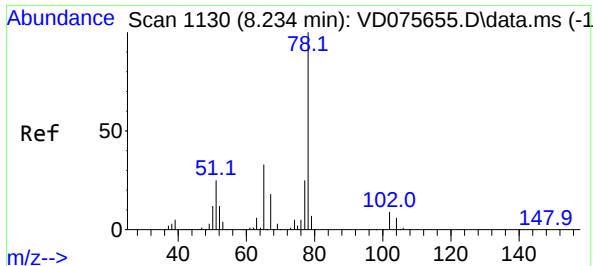
Tgt Ion: 43 Resp: 3756
Ion Ratio Lower Upper
43 100
72 30.5 19.8 29.8#



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Tgt Ion: 56 Resp: 3039
Ion Ratio Lower Upper
56 100
69 209.1 25.5 38.3#
84 227.9 69.6 104.4#

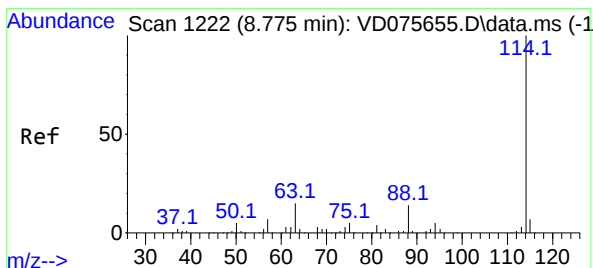
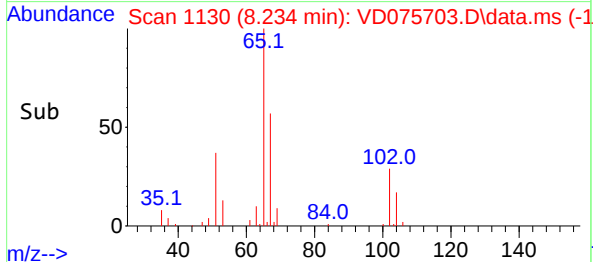
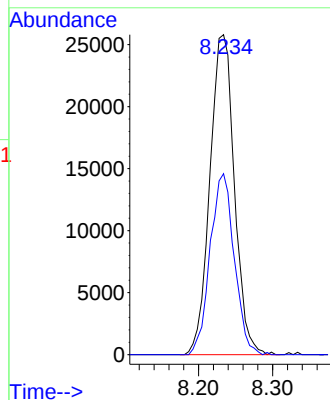
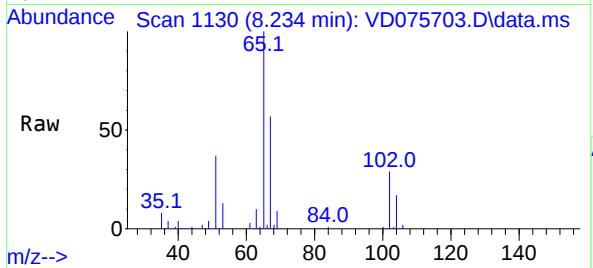




#33
1,2-Dichloroethane-d4
Concen: 38.304 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

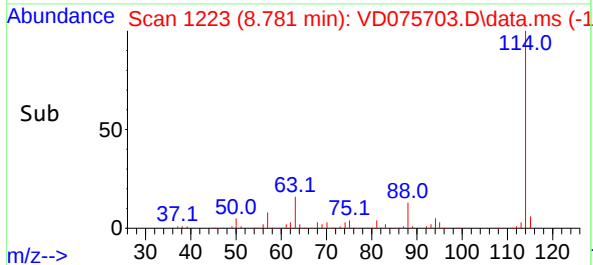
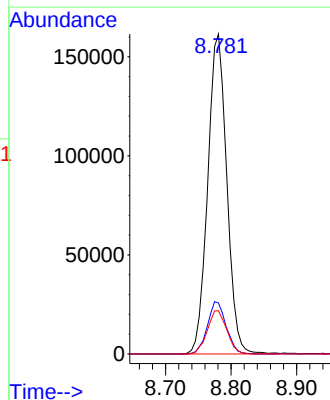
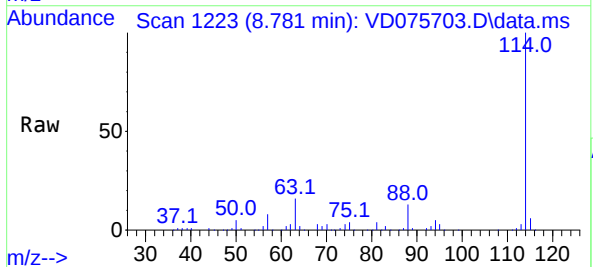
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1RE

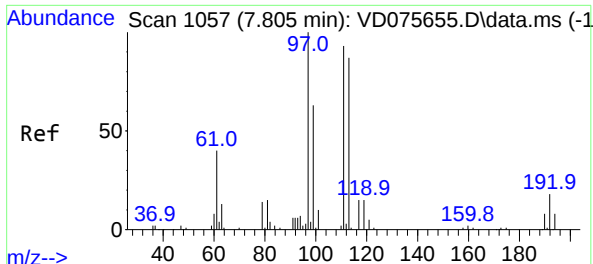
Tgt Ion: 65 Resp: 59233
Ion Ratio Lower Upper
65 100
67 55.8 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Tgt Ion:114 Resp: 326426
Ion Ratio Lower Upper
114 100
63 16.0 0.0 41.6
88 13.5 0.0 30.6

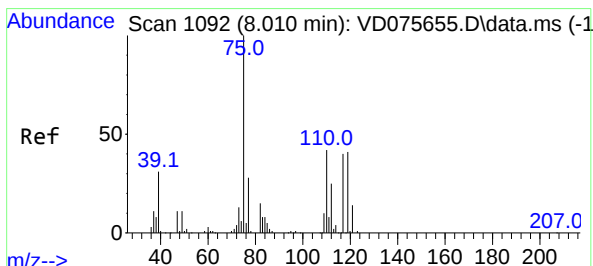
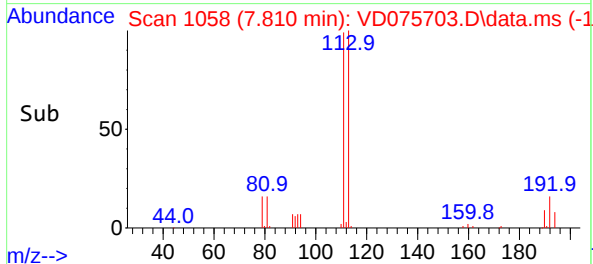
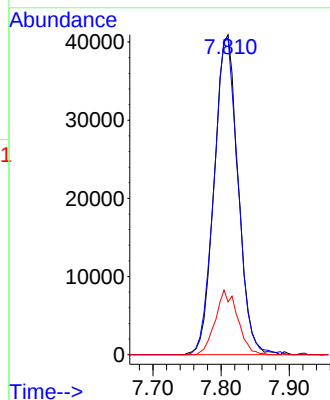
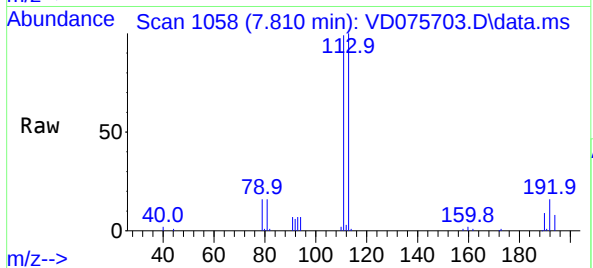




#35
Dibromofluoromethane
Concen: 45.233 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.005 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

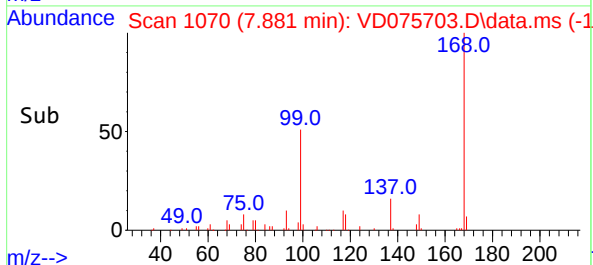
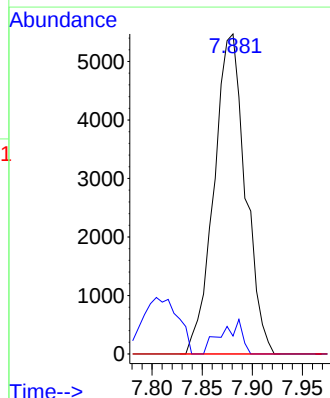
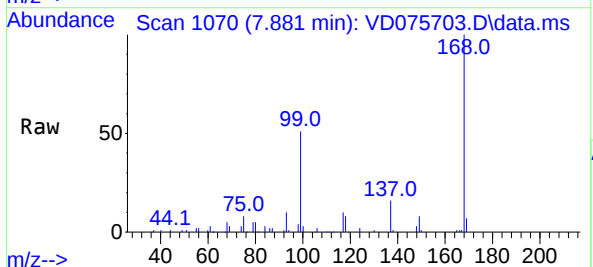
Instrument :
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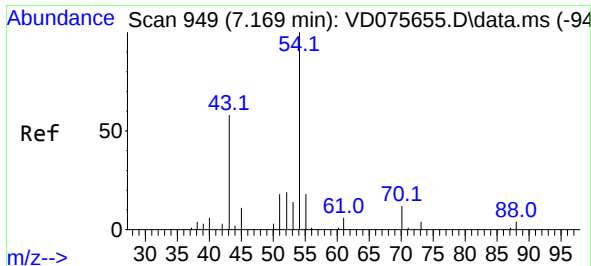
Tgt Ion:113 Resp: 99310
Ion Ratio Lower Upper
113 100
111 100.1 81.4 122.0
192 19.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.937 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Tgt Ion: 75 Resp: 11925
Ion Ratio Lower Upper
75 100
110 7.2 17.1 51.2#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 4.075 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD075703.D

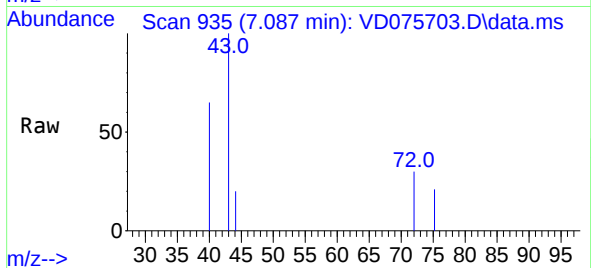
Acq: 17 Apr 2023 16:09

Instrument :

MSVOA_D

ClientSampleId :

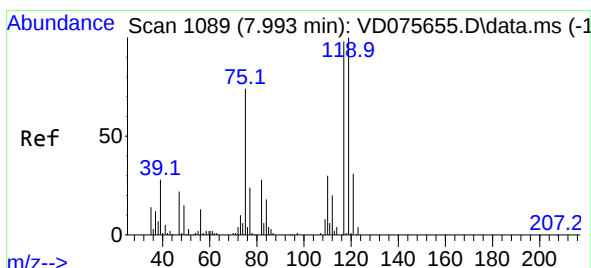
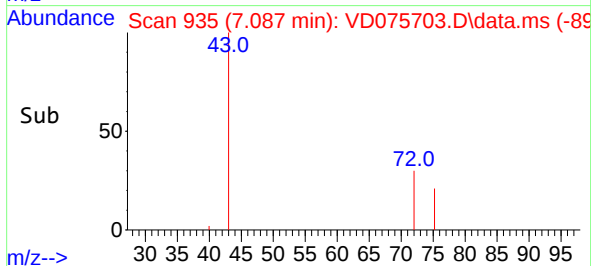
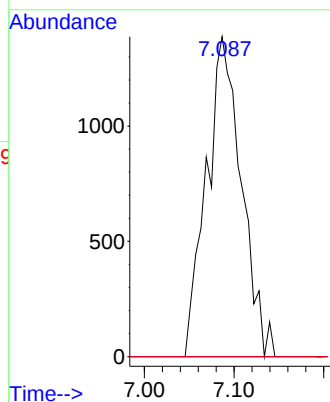
20230271-20-1RE



Tgt Ion: 43 Resp: 3756

Ion Ratio Lower Upper

43	100		
61	0.0	0.0	0.0
70	0.0	5.6	8.4#



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

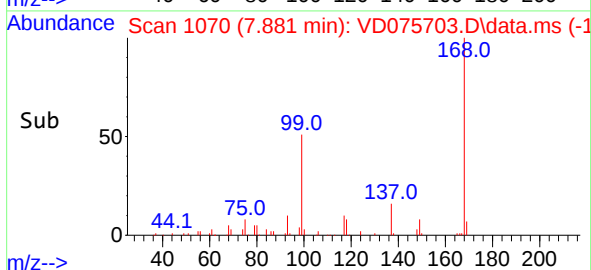
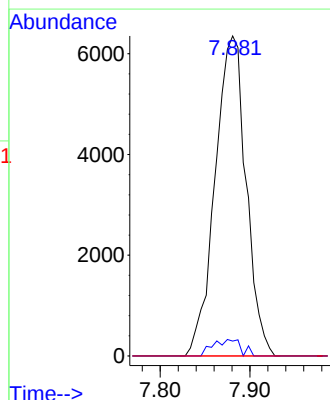
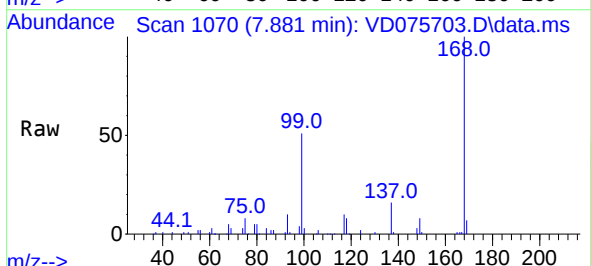
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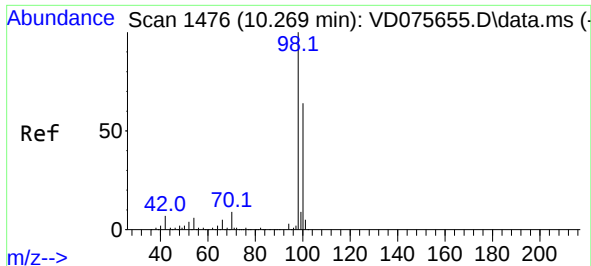
Acq: 17 Apr 2023 16:09

Tgt Ion: 117 Resp: 15244

Ion Ratio Lower Upper

117	100		
119	4.6	74.7	112.1#
121	0.0	25.9	38.9#

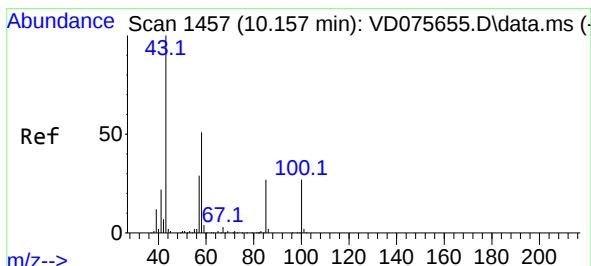
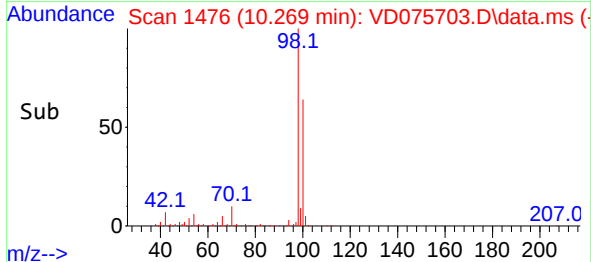
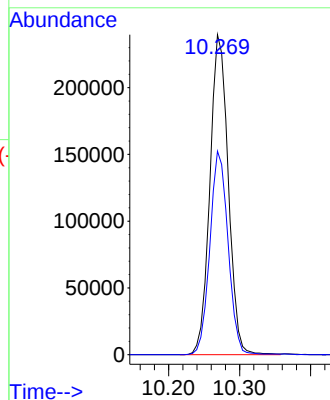
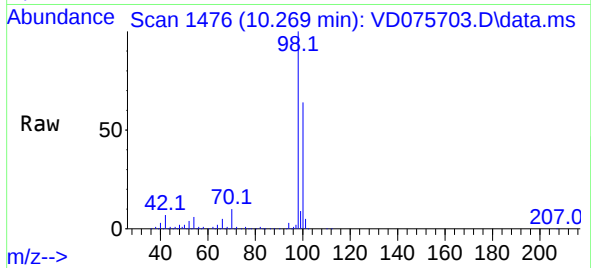




#50
Toluene-d8
Concen: 48.861 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

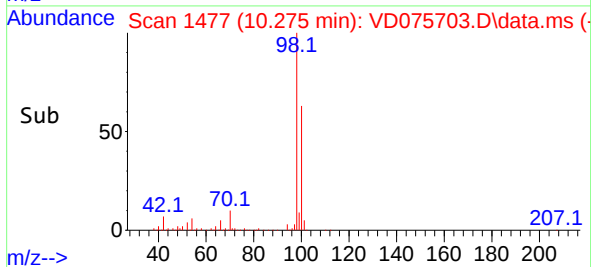
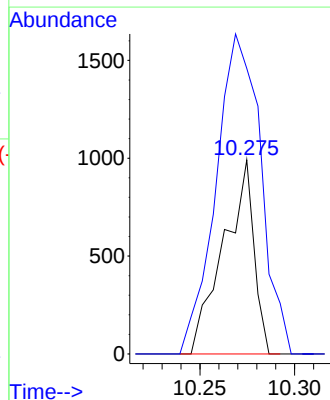
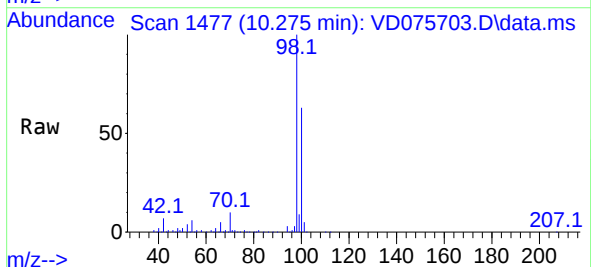
Instrument :
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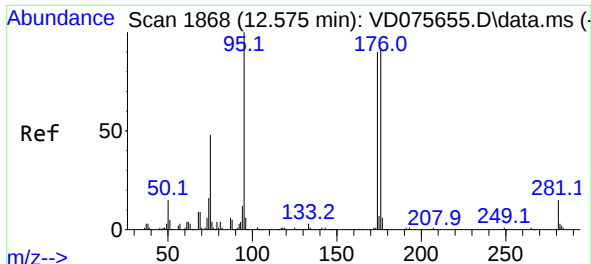
Tgt Ion: 98 Resp: 429601
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 243.3 29.5 44.3#

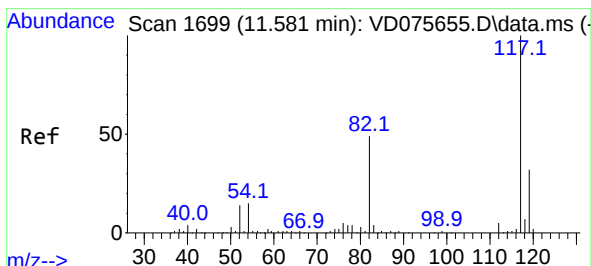
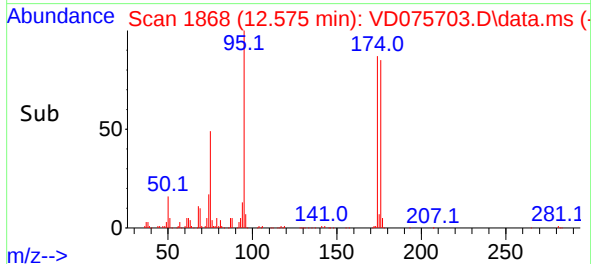
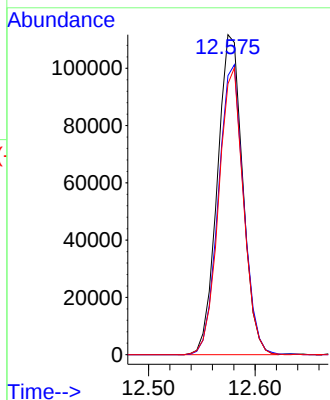
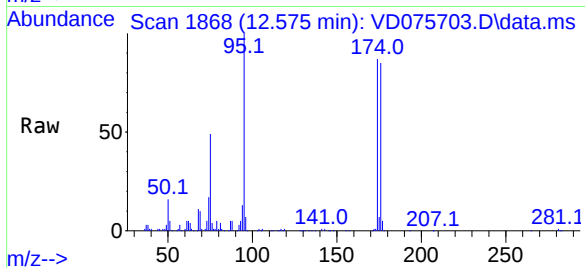




#62
4-Bromofluorobenzene
Concen: 79.016 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

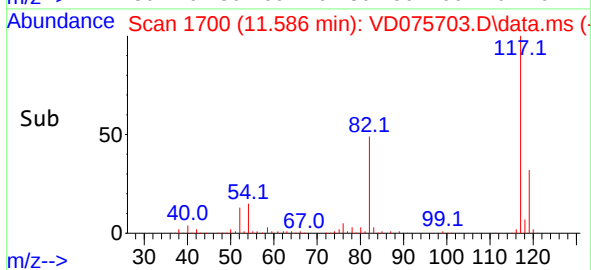
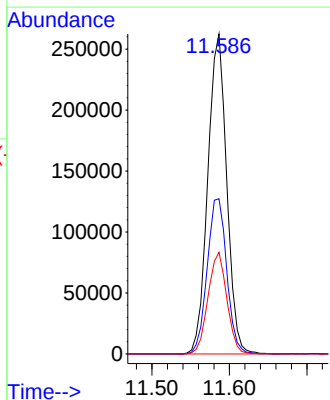
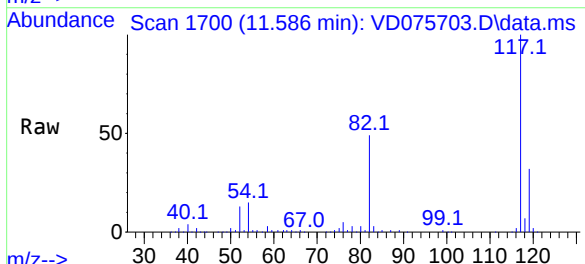
Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1RE

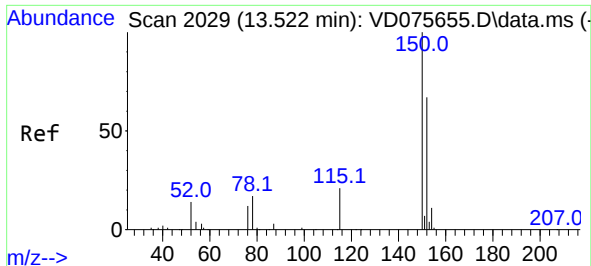
Tgt Ion: 95 Resp: 184656
Ion Ratio Lower Upper
95 100
174 90.0 0.0 164.0
176 87.2 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. 0.005 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

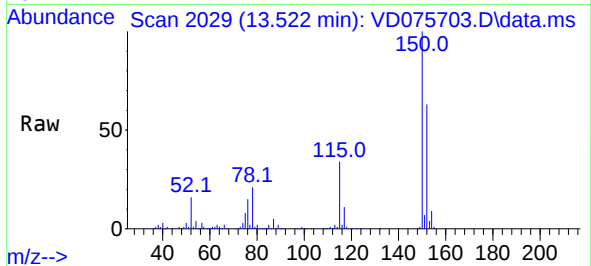
Tgt Ion: 117 Resp: 444421
Ion Ratio Lower Upper
117 100
82 48.5 44.0 66.0
119 31.8 25.1 37.7



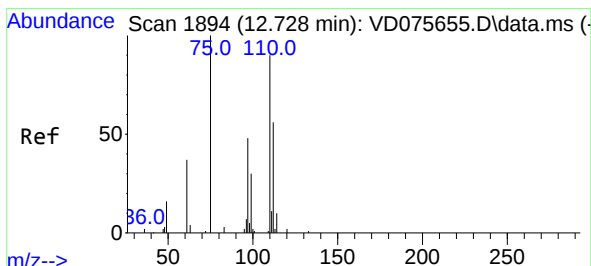
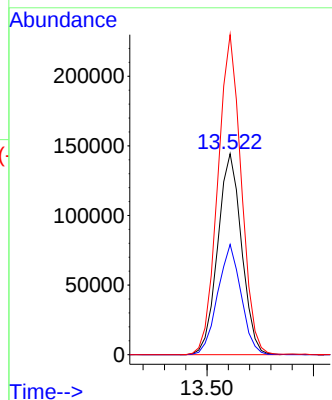
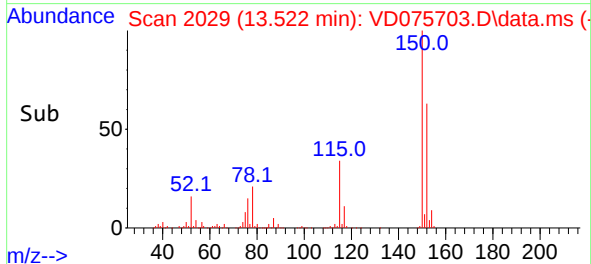


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

Instrument :
MSVOA_D
ClientSampleId :
20230271-20-1RE

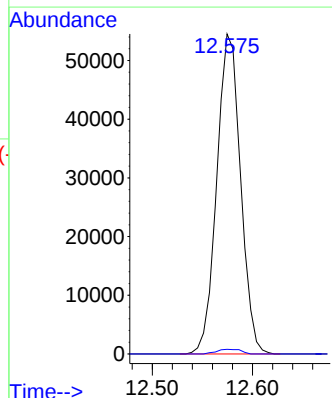
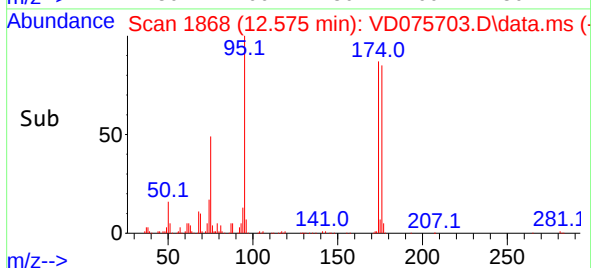
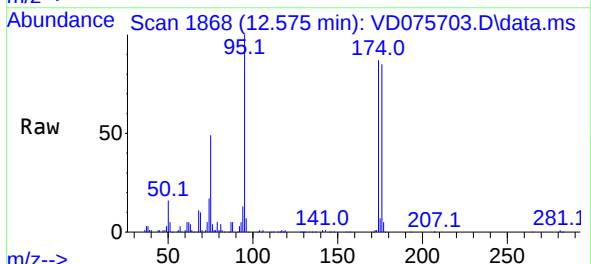


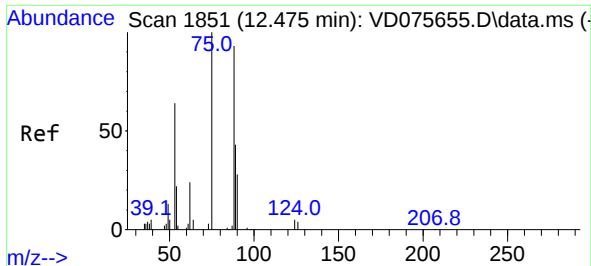
Tgt Ion:152 Resp: 224348
Ion Ratio Lower Upper
152 100
115 53.7 30.1 90.3
150 156.6 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 48.999 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075703.D
Acq: 17 Apr 2023 16:09

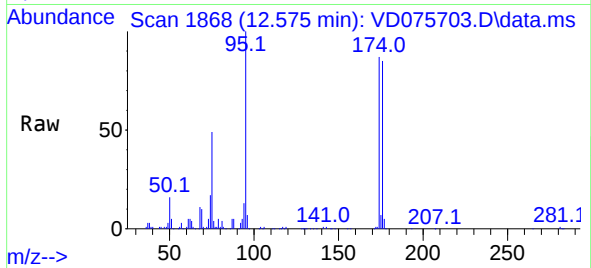
Tgt Ion: 75 Resp: 89645
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.200 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075703.D
 Acq: 17 Apr 2023 16:09

Instrument :
 MSVOA_D
 ClientSampleId :
 20230271-20-1RE



Tgt Ion: 75	Resp: 89645
Ion Ratio	Lower Upper
75	100
53	0.0 90.5 135.7#
89	0.0 40.2 60.4#

