

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077065.D
 Acq On : 29 Aug 2023 16:44
 Operator : JC/SY
 Sample : 04197-17
 Misc : 5.60G/5.5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 29 21:00:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

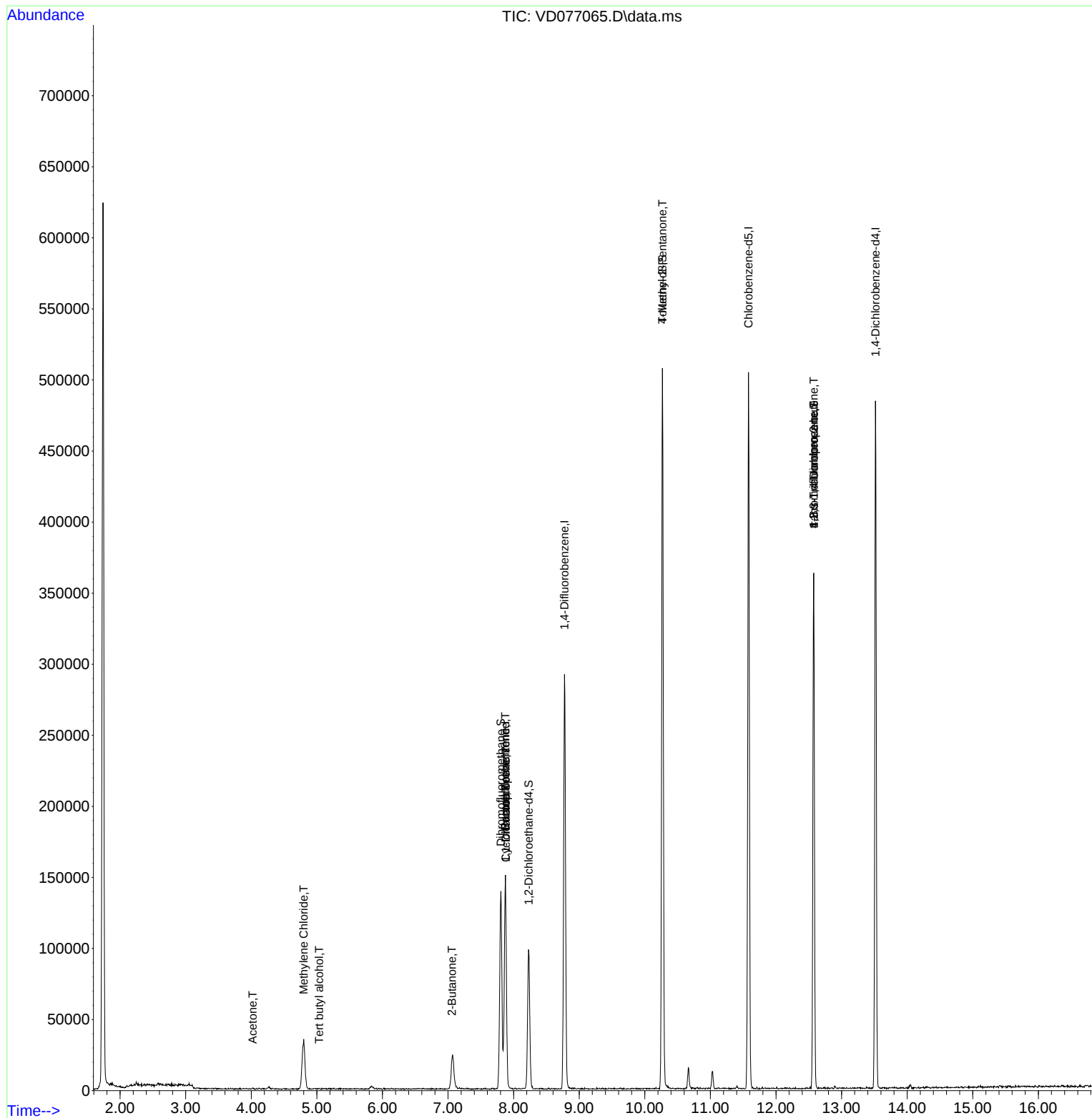
Internal Standards						
1) Pentafluorobenzene	7.875	168	115302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	269939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	130130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76146	67.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.160%	
35) Dibromofluoromethane	7.805	113	98711	54.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.480%	
50) Toluene-d8	10.269	98	354707	54.369	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.575	95	107974	56.134	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	190	Below Cal	#	41
11) Tert butyl alcohol	5.034	59	125	1.835	ug/l #	73
16) Acetone	4.022	43	275	1.063	ug/l #	32
20) Methylene Chloride	4.799	84	29654	15.582	ug/l #	87
25) 2-Butanone	7.058	43	704	2.171	ug/l #	37
31) Cyclohexane	7.881	56	2078	1.146	ug/l #	43
36) 1,1-Dichloropropene	7.881	75	9009	3.507	ug/l #	47
38) Carbon Tetrachloride	7.875	117	12210	4.701	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	1155	1.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	55558	44.265	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55558	102.773	ug/l #	17

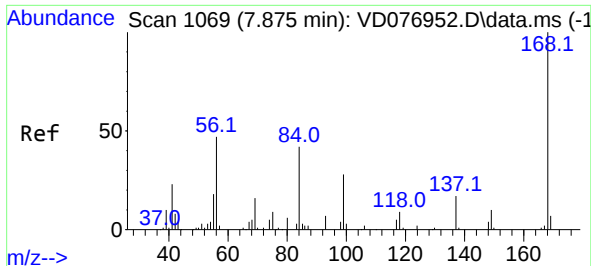
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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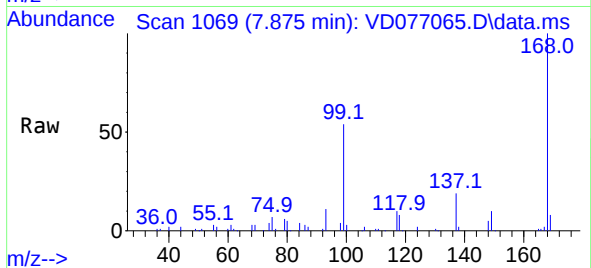
Quant Time: Aug 29 21:00:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 02:15:23 2023
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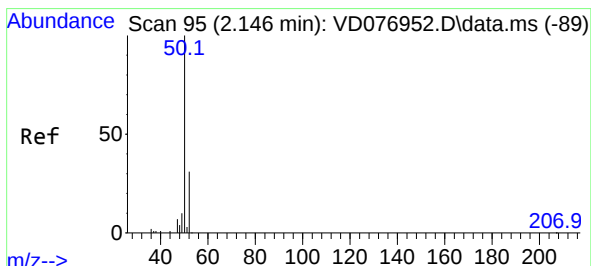
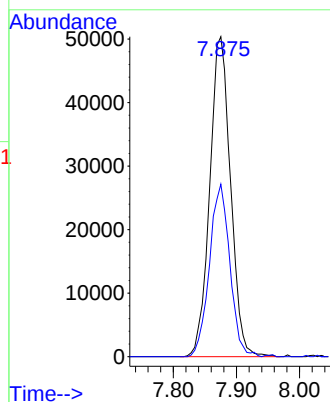
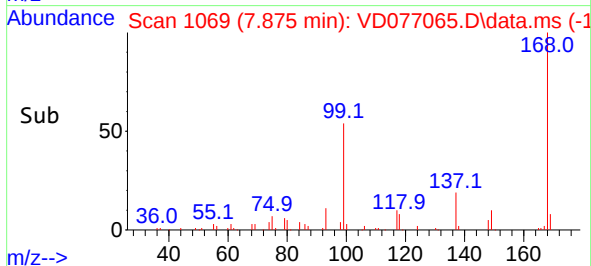


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

Instrument :
MSVOA_D
ClientSampleId :

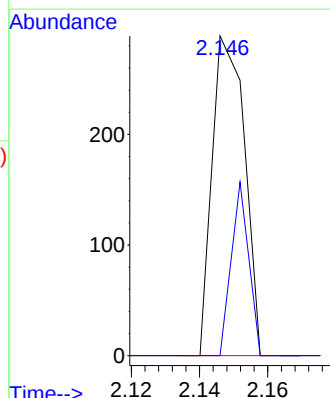
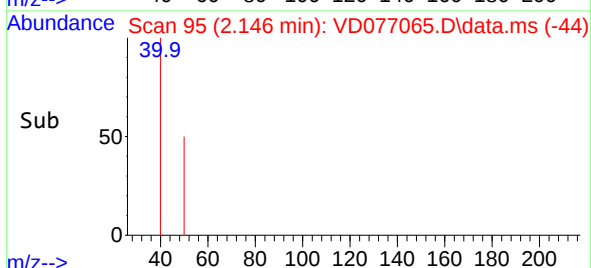
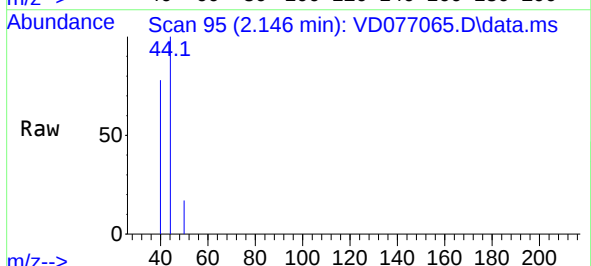


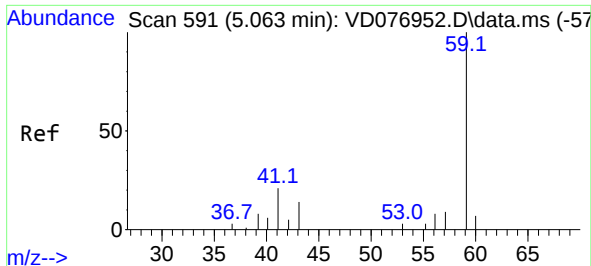
Tgt Ion:168 Resp: 115302
Ion Ratio Lower Upper
168 100
99 53.9 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

Tgt Ion: 50 Resp: 190
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

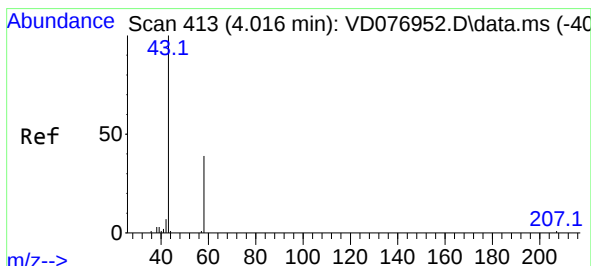
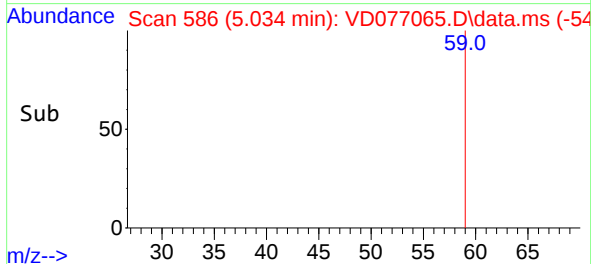
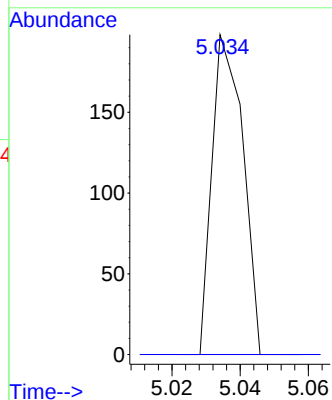
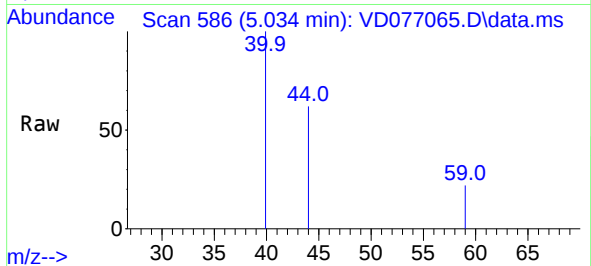




#11
Tert butyl alcohol
Concen: 1.835 ug/l
RT: 5.034 min Scan# 51
Delta R.T. -0.029 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

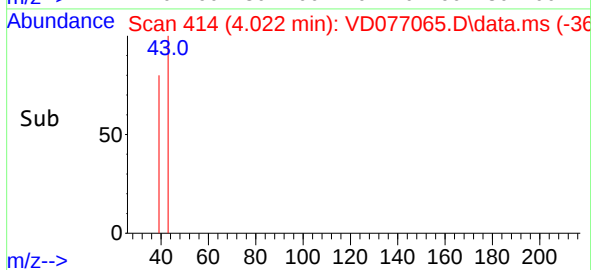
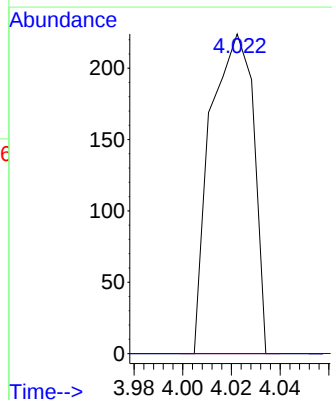
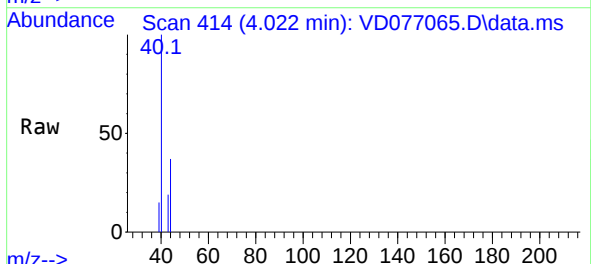
Instrument :
MSVOA_D
ClientSampleId :

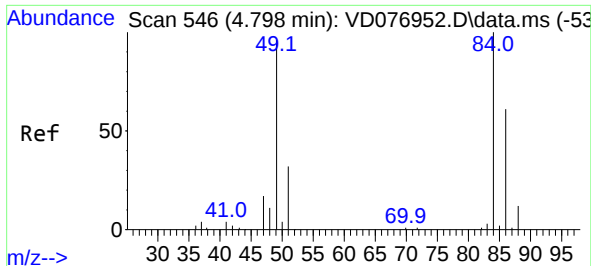
Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 1.063 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

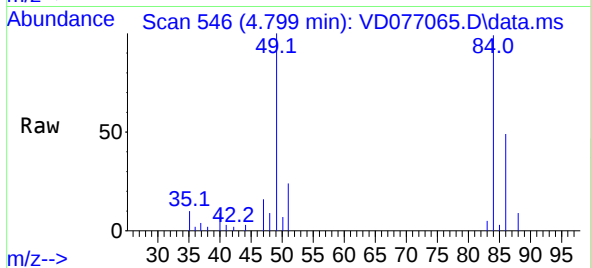
Tgt Ion: 43 Resp: 275
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#





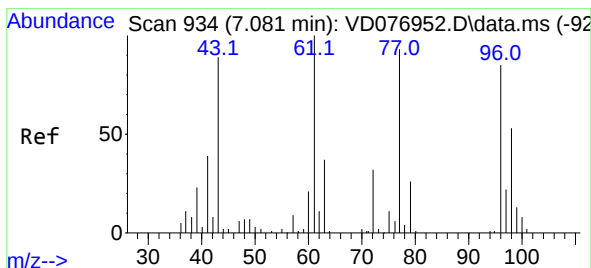
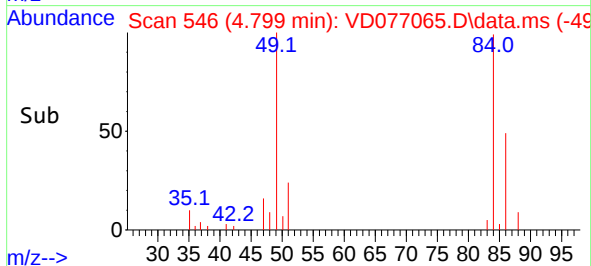
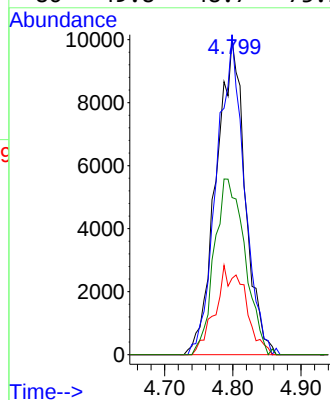
#20
Methylene Chloride
Concen: 15.582 ug/l
RT: 4.799 min Scan# 54
Delta R.T. 0.001 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 29654

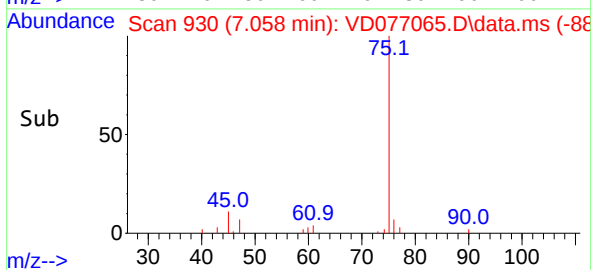
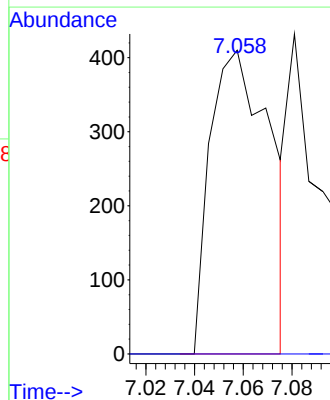
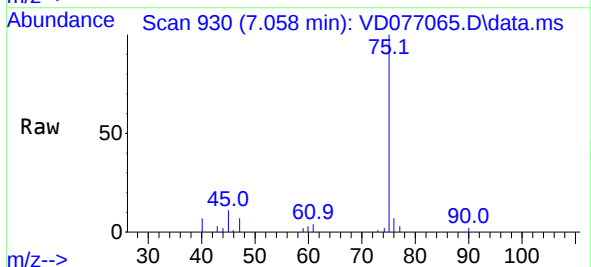
Ion	Ratio	Lower	Upper
84	100		
49	101.5	71.4	107.2
51	24.2	24.5	36.7#
86	49.8	48.7	73.1

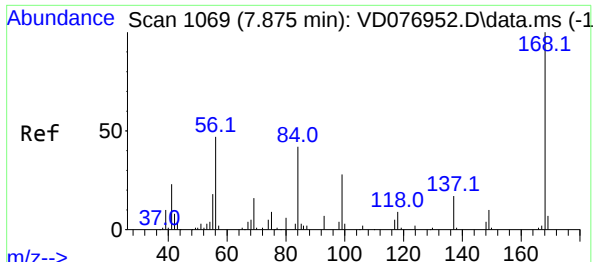


#25
2-Butanone
Concen: 2.171 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.024 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

Tgt Ion: 43 Resp: 704

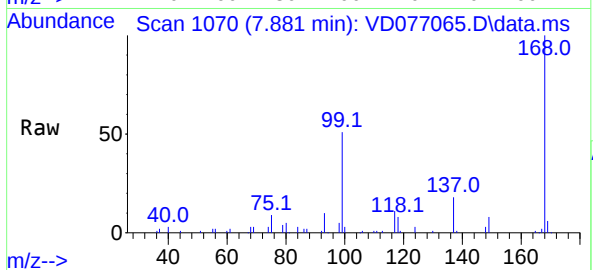
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



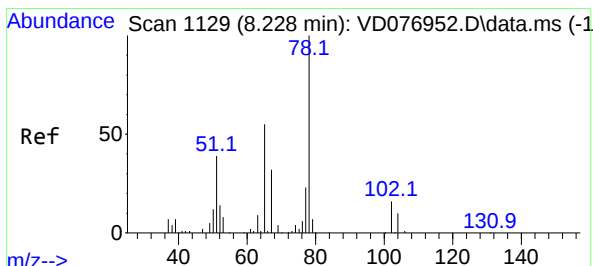
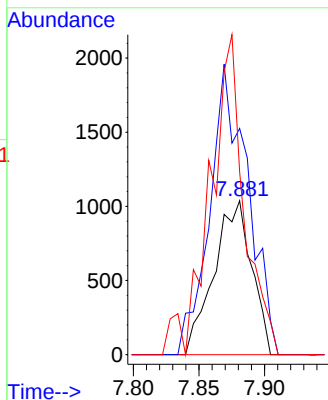
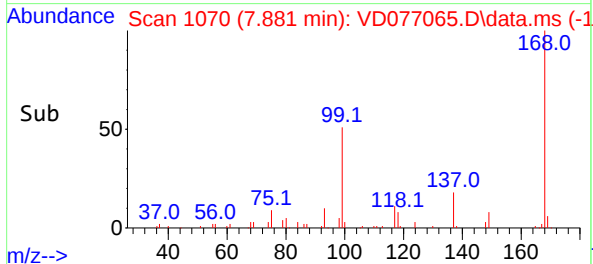


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

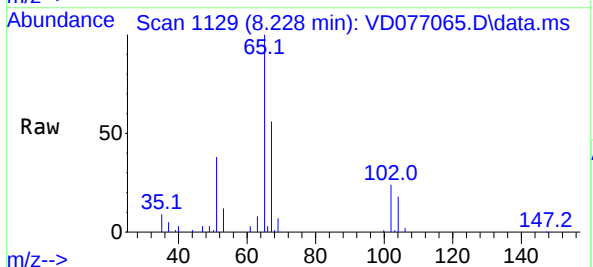
Instrument :
MSVOA_D
ClientSampleId :



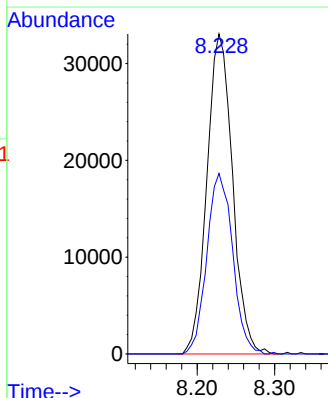
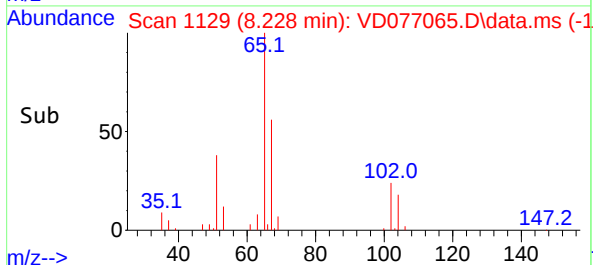
Tgt Ion: 56 Resp: 2078
Ion Ratio Lower Upper
56 100
69 147.0 28.6 43.0#
84 118.8 84.8 127.2

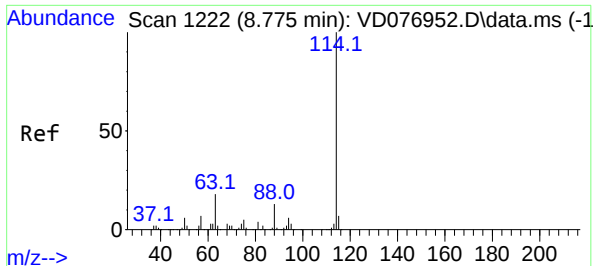


#33
1,2-Dichloroethane-d4
Concen: 67.076 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44



Tgt Ion: 65 Resp: 76146
Ion Ratio Lower Upper
65 100
67 56.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077065.D

Acq: 29 Aug 2023 16:44

Instrument :

MSVOA_D

ClientSampleId :

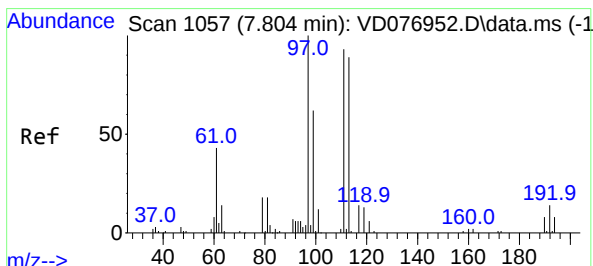
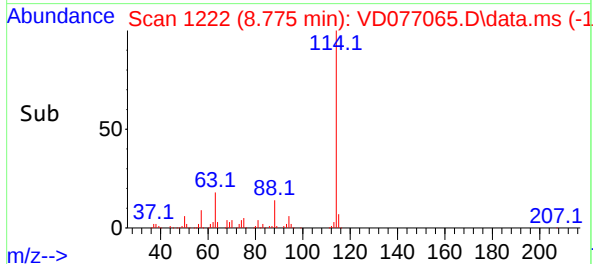
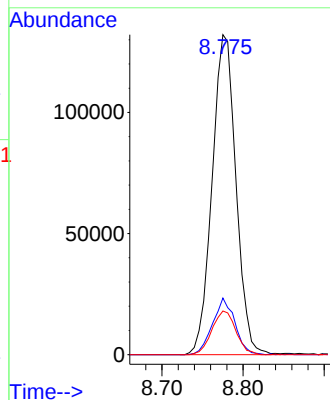
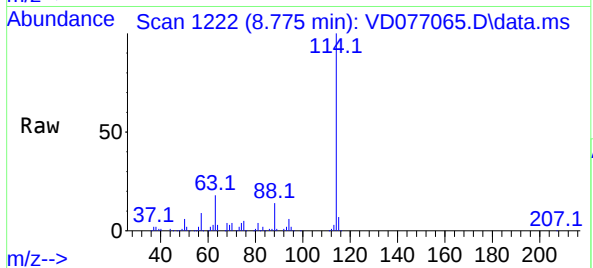
Tgt Ion:114 Resp: 269939

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 54.737 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077065.D

Acq: 29 Aug 2023 16:44

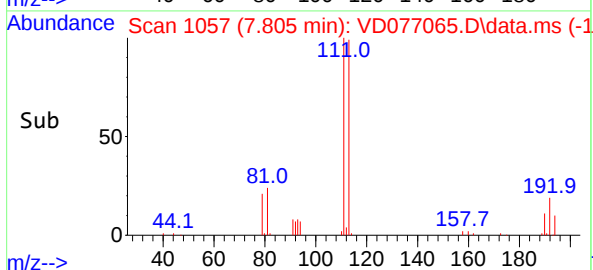
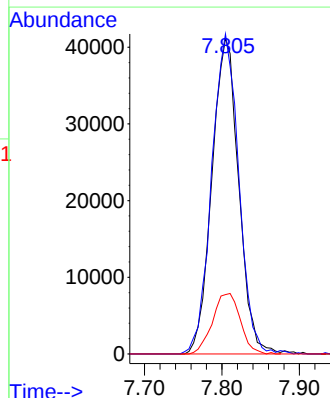
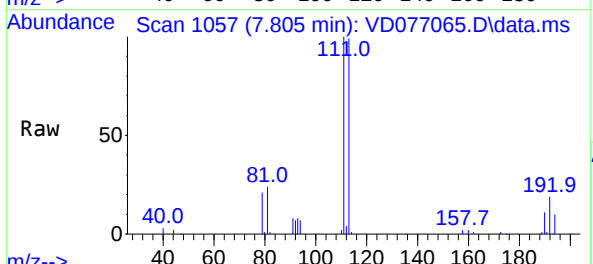
Tgt Ion:113 Resp: 98711

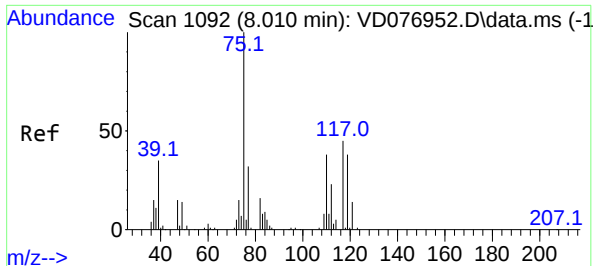
Ion Ratio Lower Upper

113 100

111 103.0 84.7 127.1

192 19.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.507 ug/l

RT: 7.881 min Scan# 1092

Delta R.T. -0.129 min

Lab File: VD077065.D

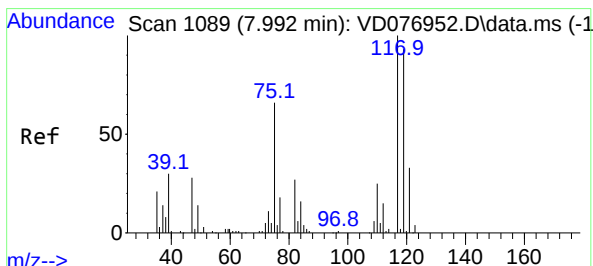
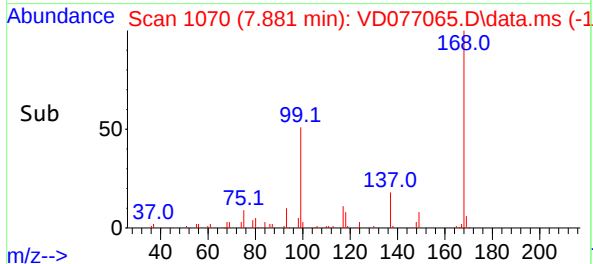
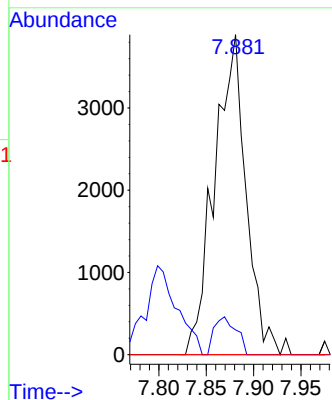
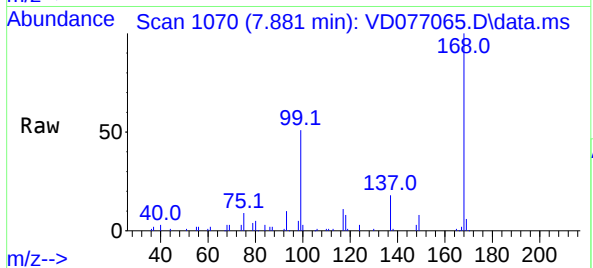
Acq: 29 Aug 2023 16:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 9009
Ion Ratio	Lower Upper
75	100
110	8.3 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.701 ug/l

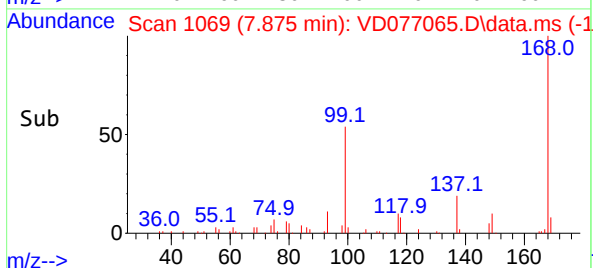
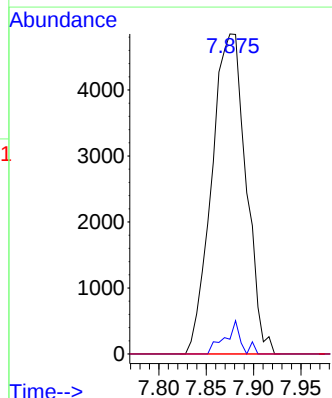
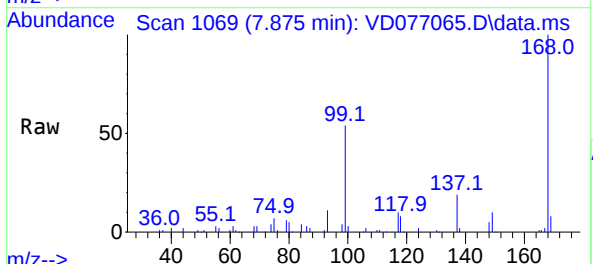
RT: 7.875 min Scan# 1069

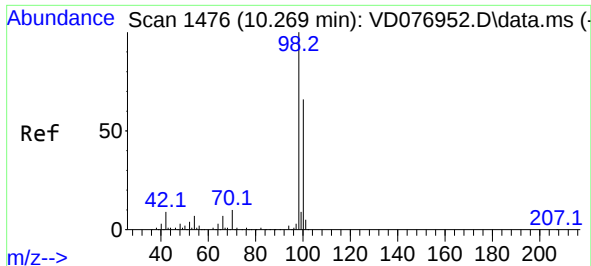
Delta R.T. -0.117 min

Lab File: VD077065.D

Acq: 29 Aug 2023 16:44

Tgt Ion: 117	Resp: 12210
Ion Ratio	Lower Upper
117	100
119	4.6 78.0 117.0#
121	0.0 24.2 36.2#

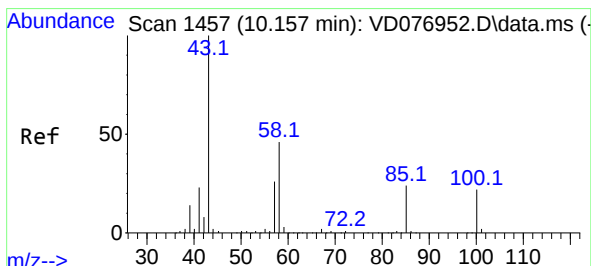
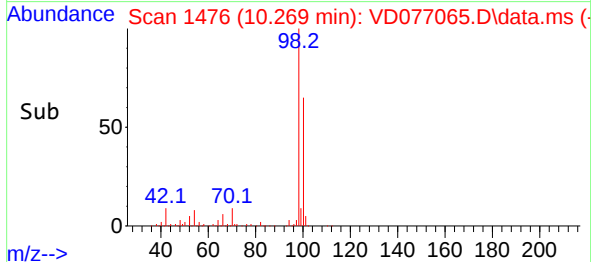
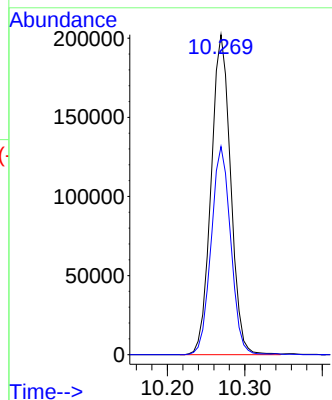
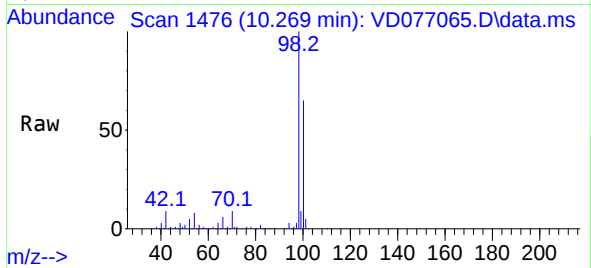




#50
Toluene-d8
Concen: 54.369 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

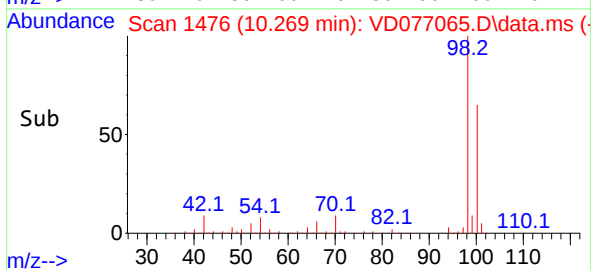
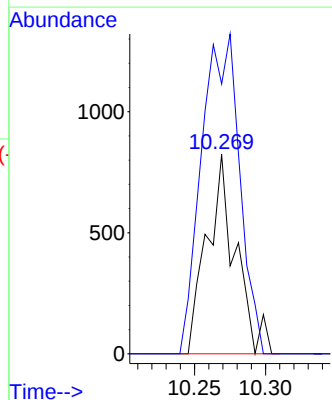
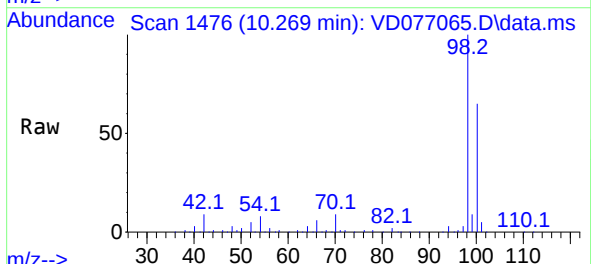
Instrument :
MSVOA_D
ClientSampleId :

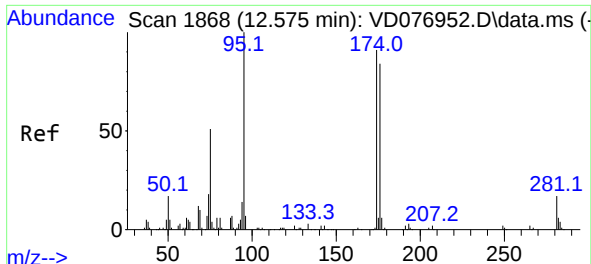
Tgt Ion: 98 Resp: 354707
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.275 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
58 212.3 38.9 58.3#

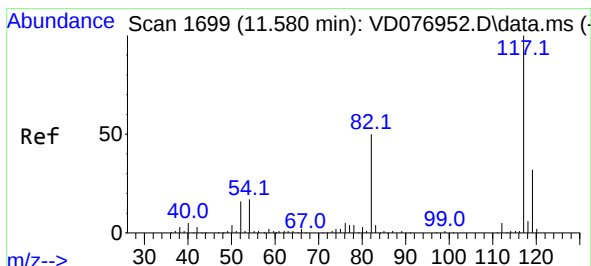
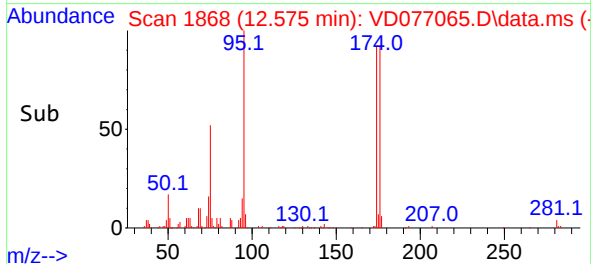
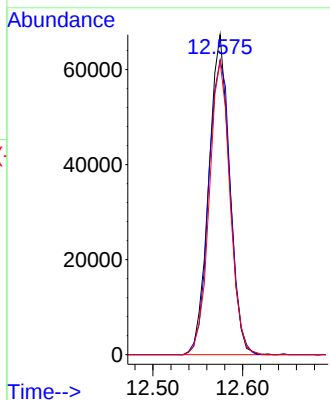
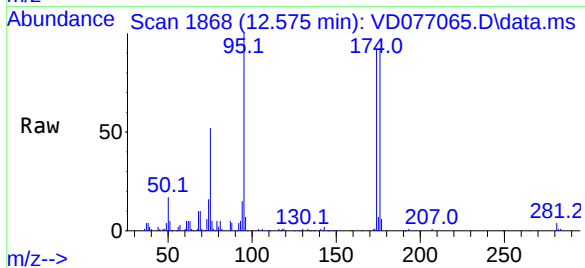




#62
4-Bromofluorobenzene
Concen: 56.134 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

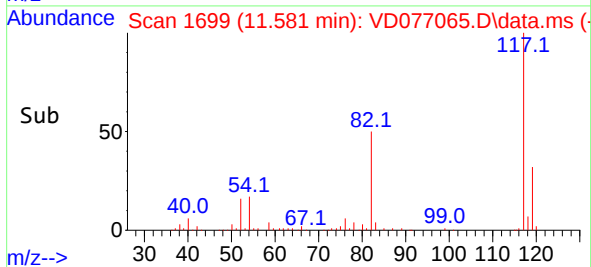
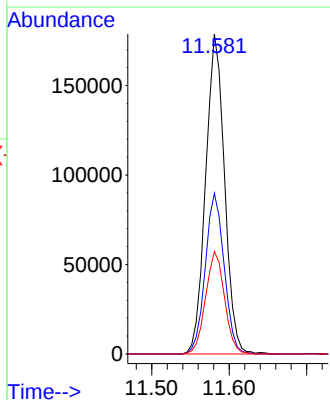
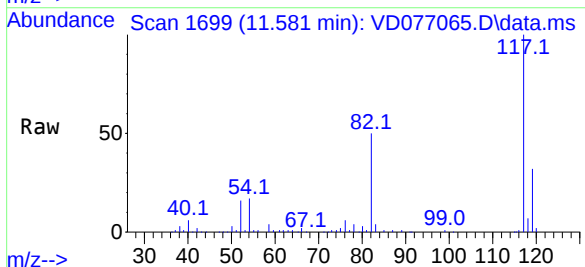
Instrument :
MSVOA_D
ClientSampleId :

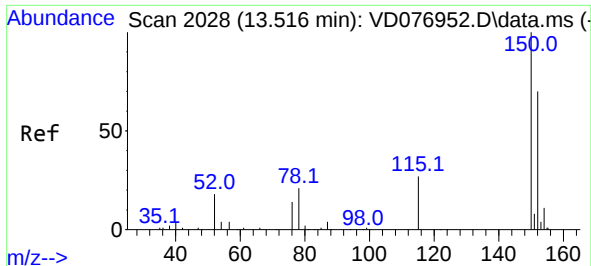
Tgt Ion: 95 Resp: 107974
Ion Ratio Lower Upper
95 100
174 97.7 0.0 201.8
176 91.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

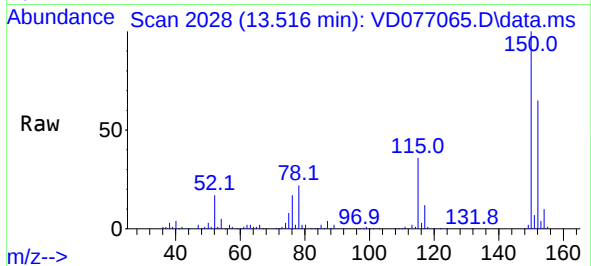
Tgt Ion: 117 Resp: 302774
Ion Ratio Lower Upper
117 100
82 50.2 38.3 57.5
119 32.0 25.0 37.4



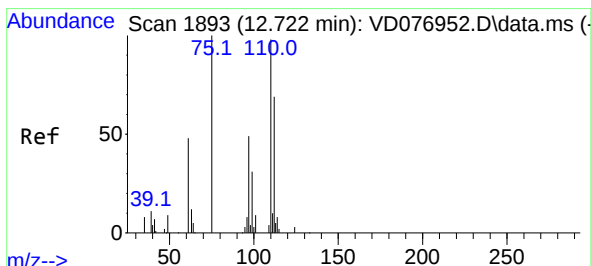
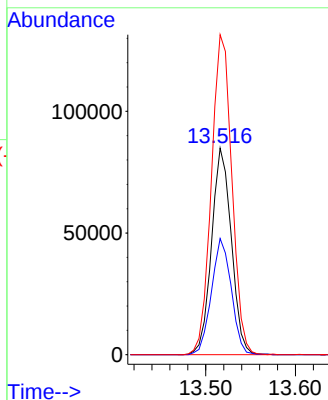
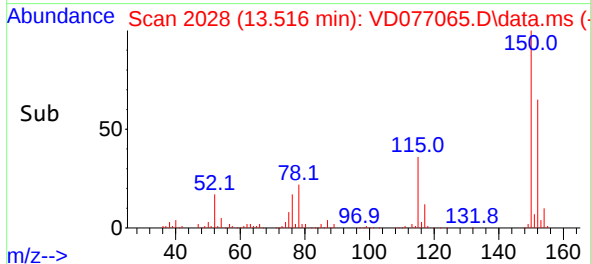


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44

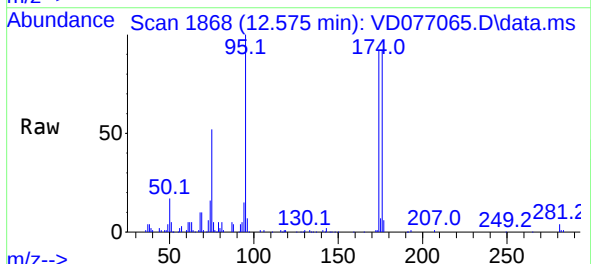
Instrument :
MSVOA_D
ClientSampleId :



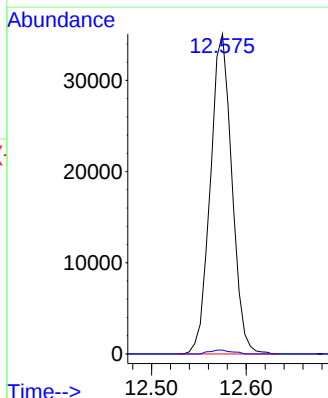
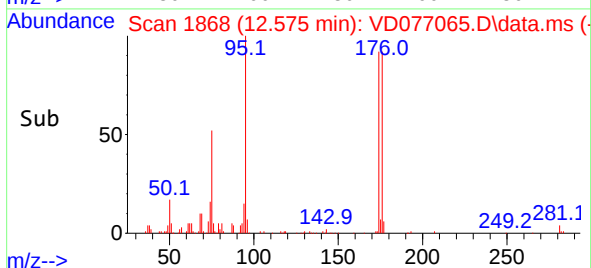
Tgt Ion:152 Resp: 130130
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 160.4 0.0 353.6

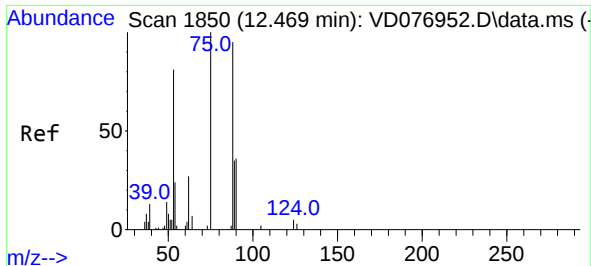


#76
1,2,3-Trichloropropane
Concen: 44.265 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077065.D
Acq: 29 Aug 2023 16:44



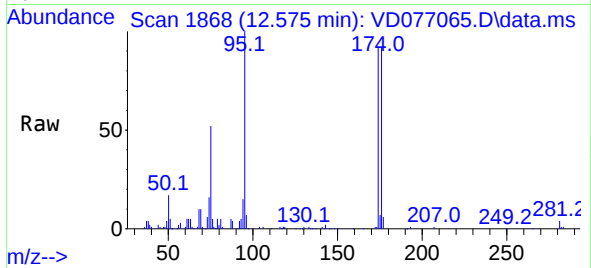
Tgt Ion: 75 Resp: 55558
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.773 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077065.D
 Acq: 29 Aug 2023 16:44

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	55558
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

