

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077321.D
 Acq On : 12 Oct 2023 17:10
 Operator : JC/SY
 Sample : 04837-09RE
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 13 02:32:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

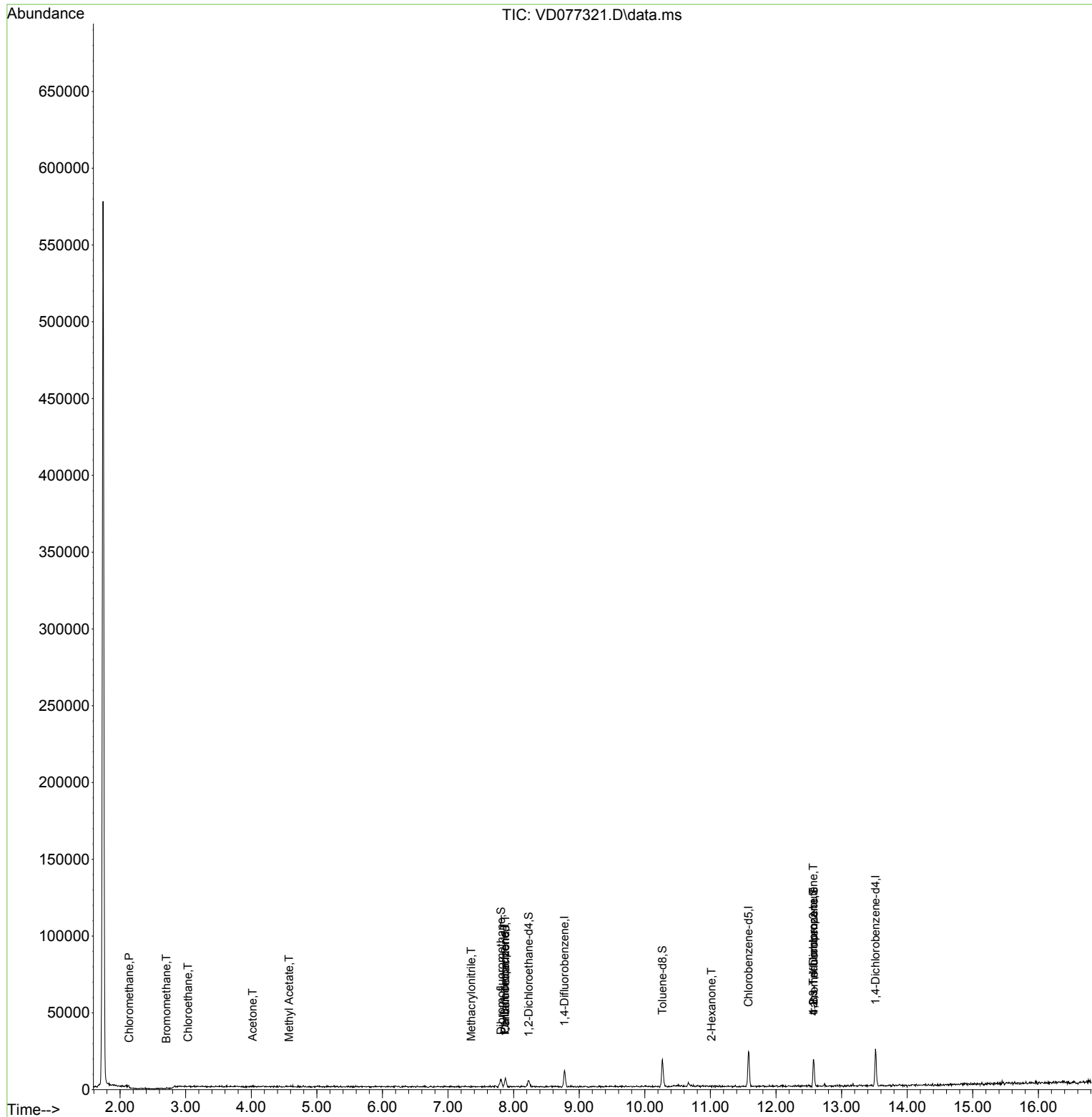
Internal Standards						
1) Pentafluorobenzene	7.869	168	4561	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	9966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	14250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	6225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	3283	91.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 183.120%#	
35) Dibromofluoromethane	7.810	113	4037	77.790	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.580%#	
50) Toluene-d8	10.269	98	14011	80.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 161.040%#	
62) 4-Bromofluorobenzene	12.575	95	5589	95.627	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 191.260%#	
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	332	5.032	ug/l	# 41
5) Bromomethane	2.705	94	68	1.292	ug/l	# 1
6) Chloroethane	3.034	64	74	1.497	ug/l	# 43
16) Acetone	4.022	43	83	7.408	ug/l	# 32
18) Methyl Acetate	4.575	43	56	1.234	ug/l	# 42
36) 1,1-Dichloropropene	7.863	75	357	3.681	ug/l	# 39
38) Carbon Tetrachloride	7.875	117	157	1.798	ug/l	# 11
41) Methacrylonitrile	7.352	41	70	3.328	ug/l	# 17
59) 2-Hexanone	11.016	43	66	2.480	ug/l	# 16
76) 1,2,3-Trichloropropane	12.569	75	2437	37.794	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	2437	84.469	ug/l	# 17

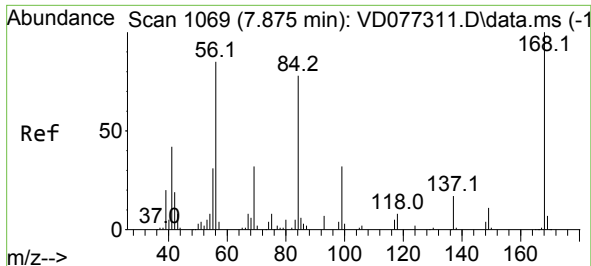
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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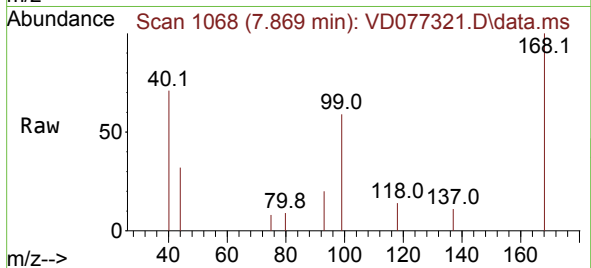
Quant Time: Oct 13 02:32:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 12 14:39:07 2023
Response via : Initial Calibration



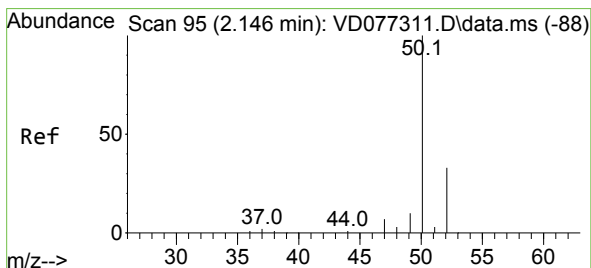
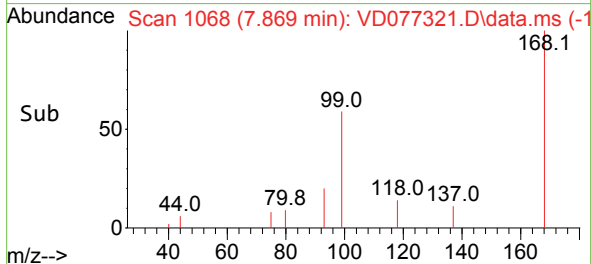
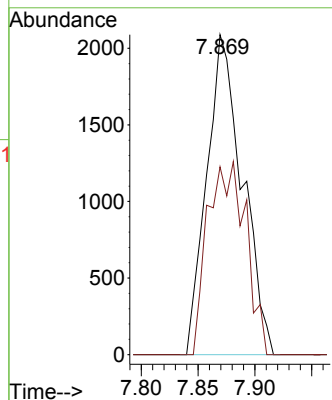


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Instrument :
MSVOA_D
ClientSampleId :

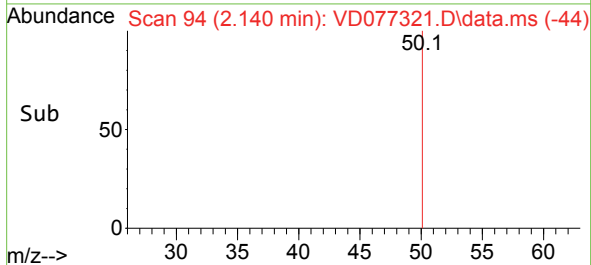
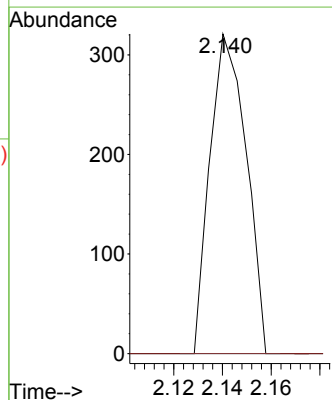
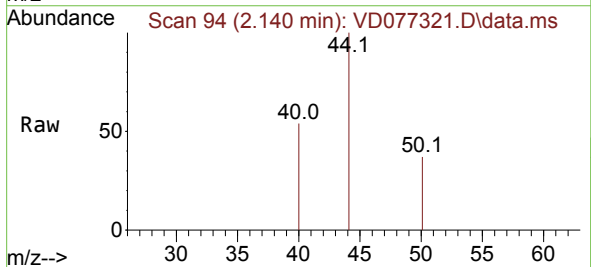


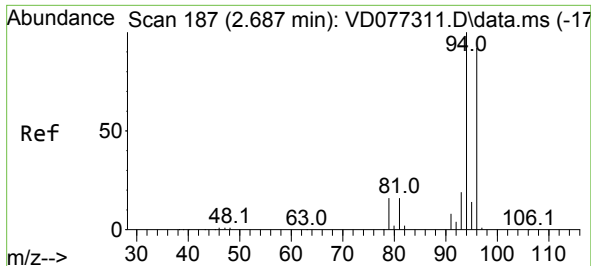
Tgt Ion:168 Resp: 4561
Ion Ratio Lower Upper
168 100
99 58.7 36.7 55.1#



#3
Chloromethane
Concen: 5.032 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

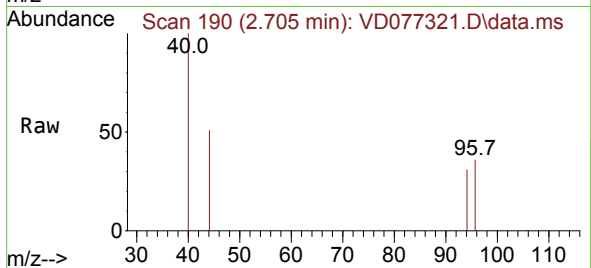
Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



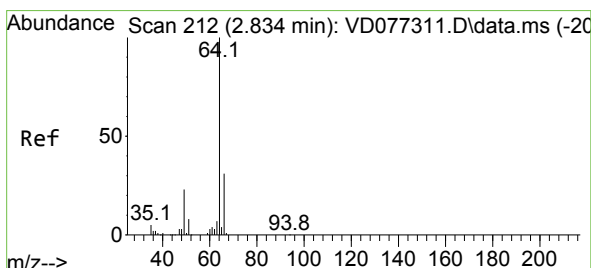
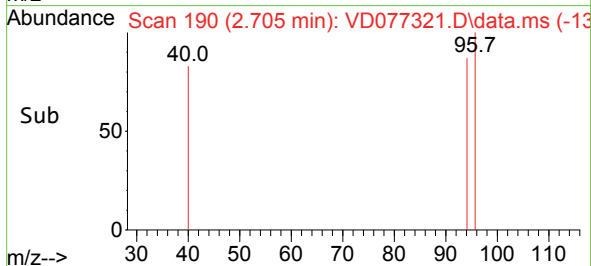
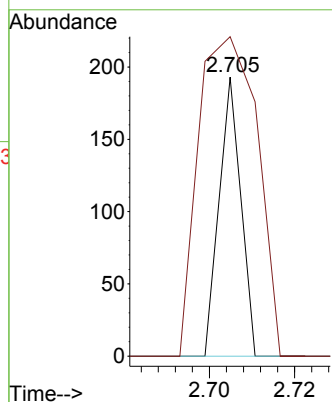


#5
Bromomethane
Concen: 1.292 ug/l
RT: 2.705 min Scan# 19
Delta R.T. 0.018 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Instrument :
MSVOA_D
ClientSampleId :

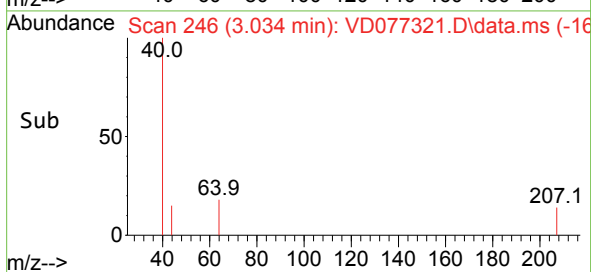
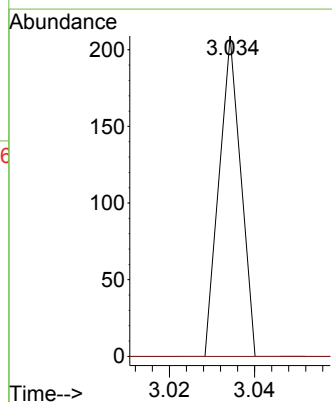
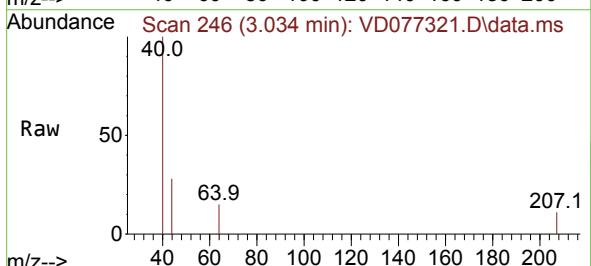


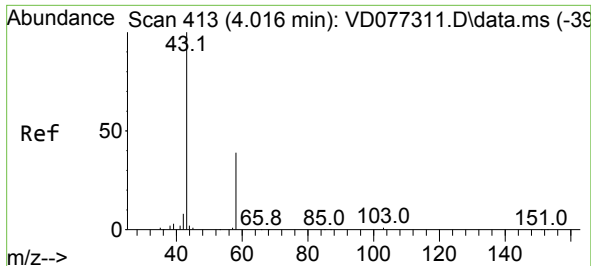
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 311.8 75.8 113.8#



#6
Chloroethane
Concen: 1.497 ug/l
RT: 3.034 min Scan# 246
Delta R.T. 0.200 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#

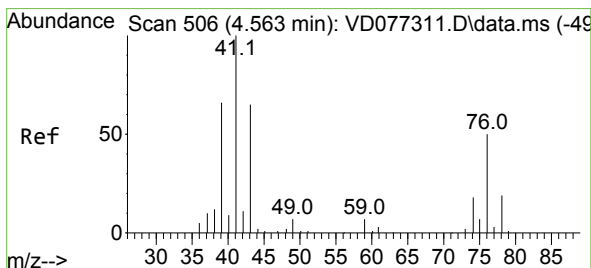
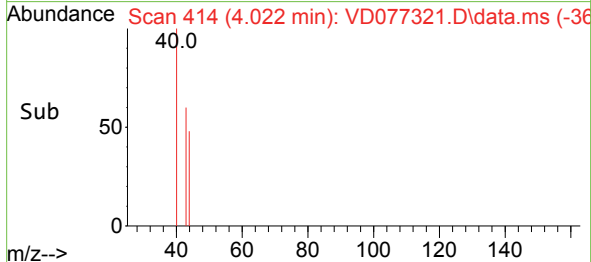
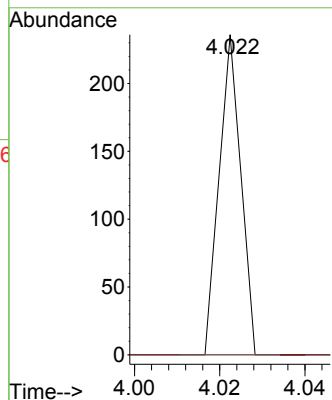
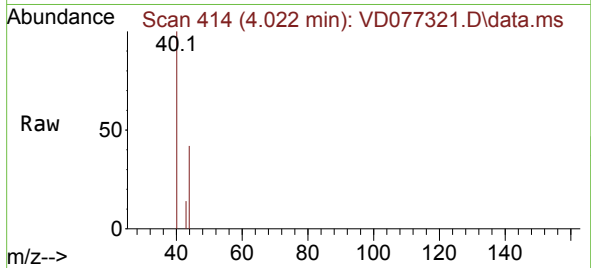




#16
Acetone
Concen: 7.408 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

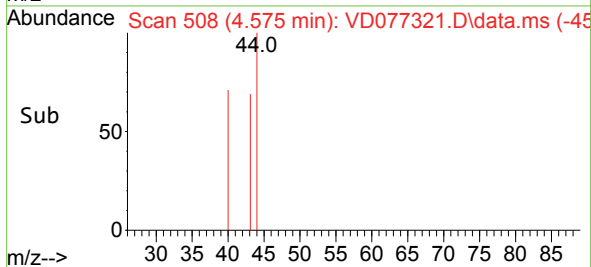
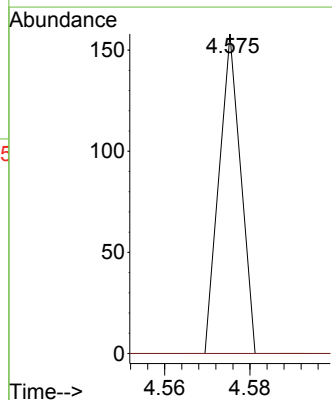
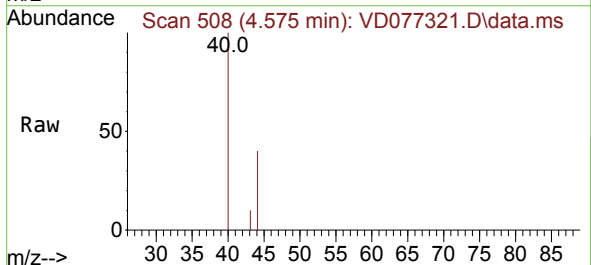
Instrument :
MSVOA_D
ClientSampleId :

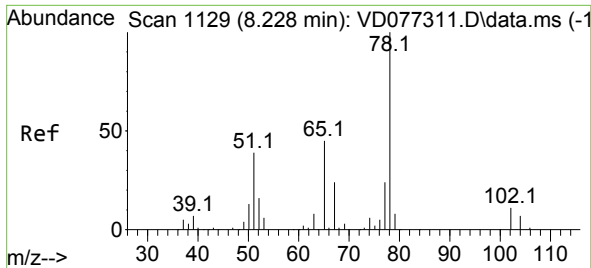
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 1.234 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.012 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

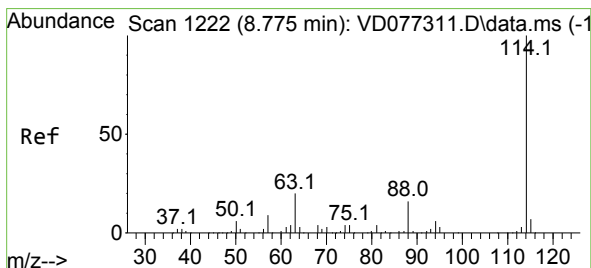
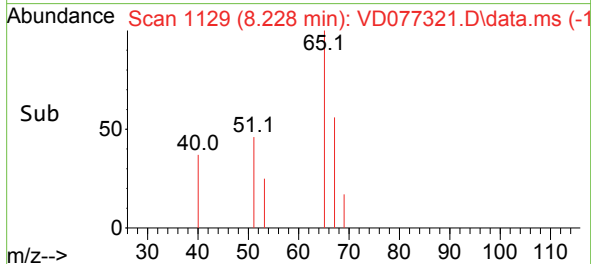
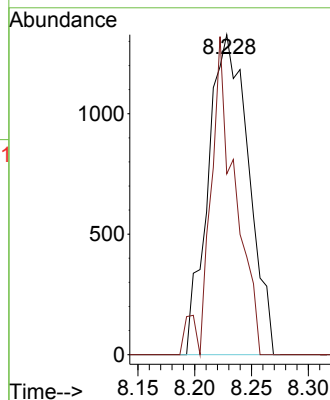
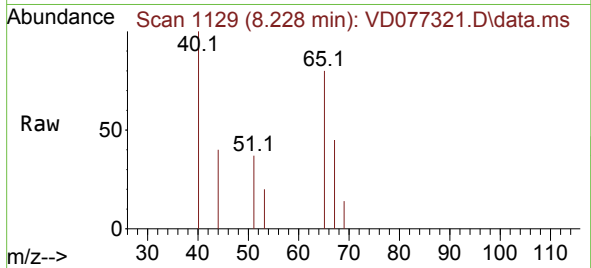




#33
 1,2-Dichloroethane-d4
 Concen: 91.557 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD077321.D
 Acq: 12 Oct 2023 17:10

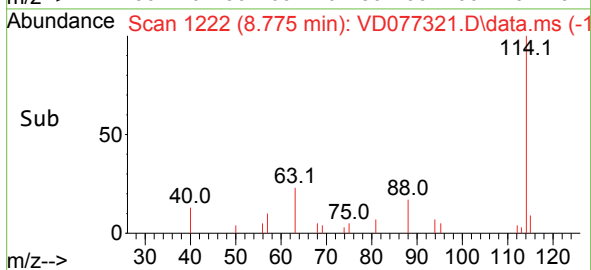
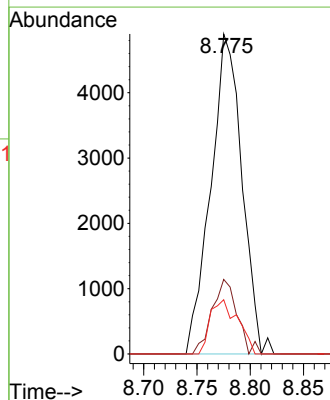
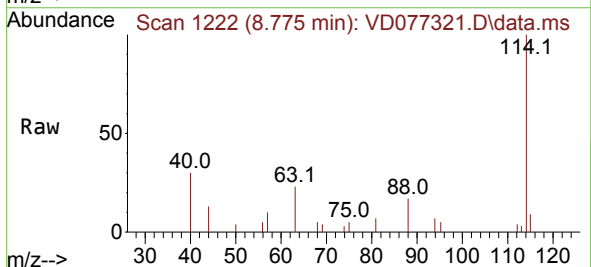
Instrument :
 MSVOA_D
 ClientSampleId :

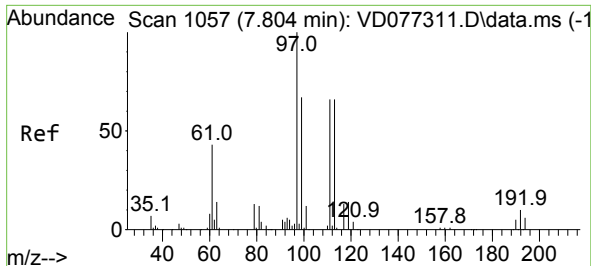
Tgt Ion: 65 Resp: 3283
 Ion Ratio Lower Upper
 65 100
 67 61.0 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD077321.D
 Acq: 12 Oct 2023 17:10

Tgt Ion: 114 Resp: 9966
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 33.4
 88 17.0 0.0 26.2





#35

Dibromofluoromethane

Concen: 77.790 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

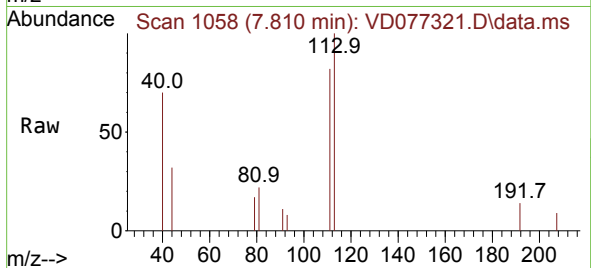
Lab File: VD077321.D

Acq: 12 Oct 2023 17:10

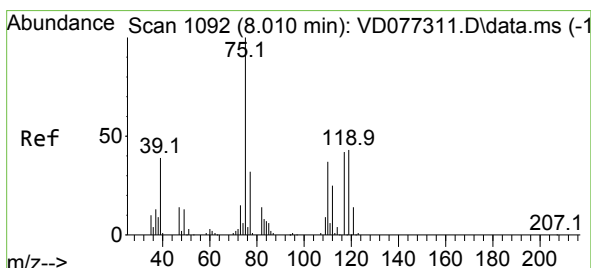
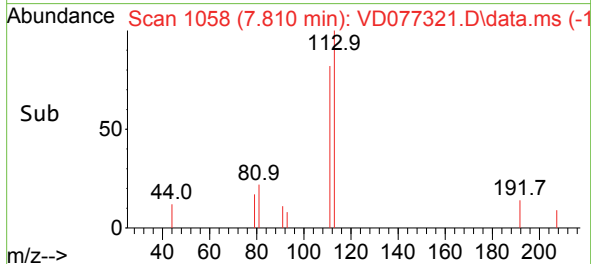
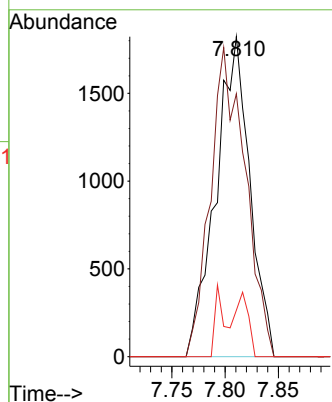
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	4037
Ion	Ratio	Lower	Upper
113	100		
111	0.0	84.7	127.1#
192	7.5	16.8	25.2#



#36

1,1-Dichloropropene

Concen: 3.681 ug/l

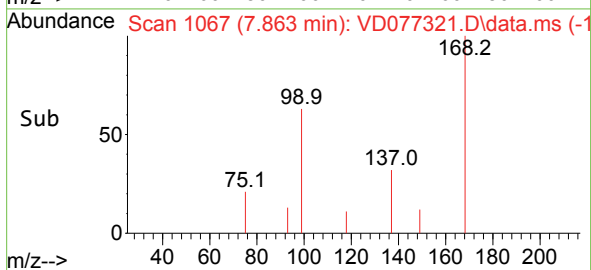
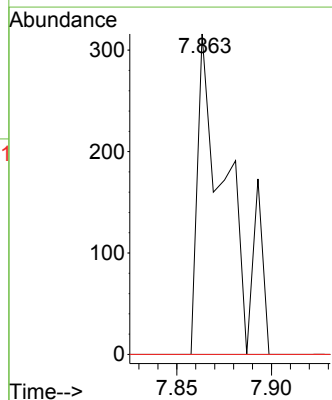
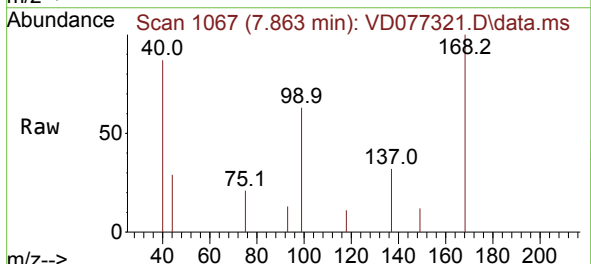
RT: 7.863 min Scan# 1067

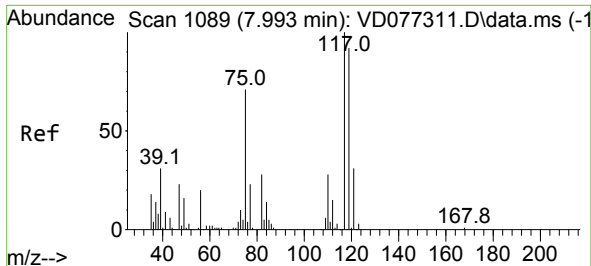
Delta R.T. -0.147 min

Lab File: VD077321.D

Acq: 12 Oct 2023 17:10

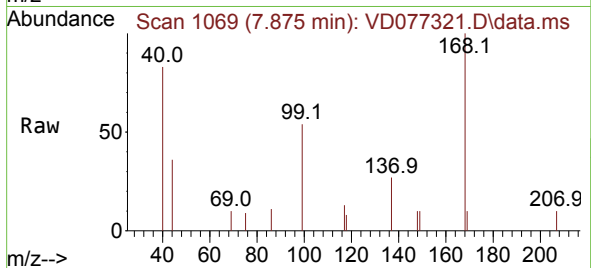
Tgt Ion:	75	Resp:	357
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.9	59.6#
77	0.0	24.7	37.1#



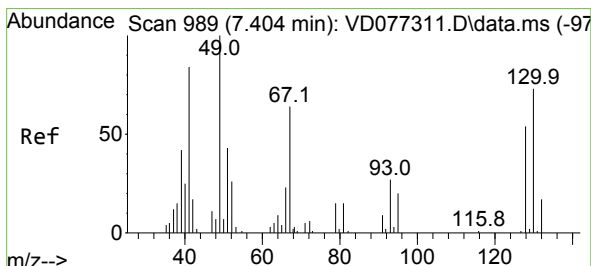
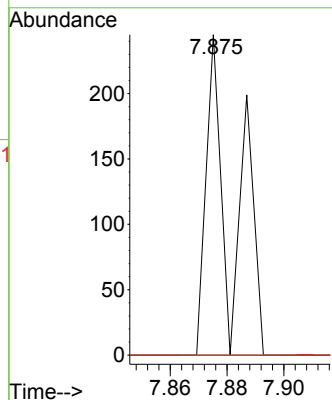
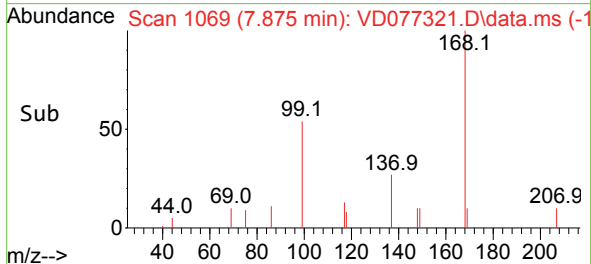


#38
Carbon Tetrachloride
Concen: 1.798 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Instrument :
MSVOA_D
ClientSampleId :

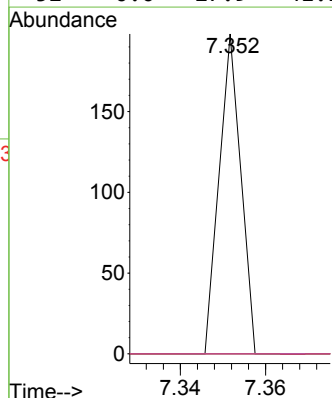
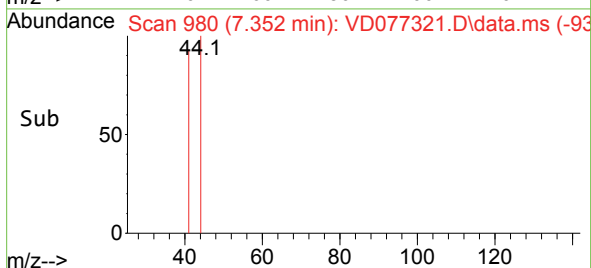
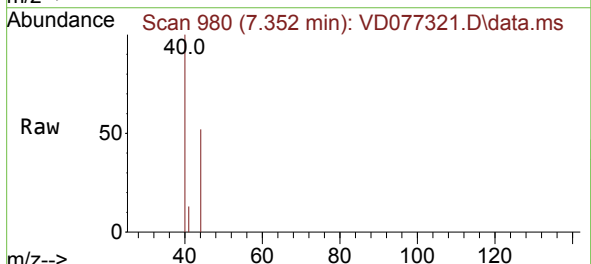


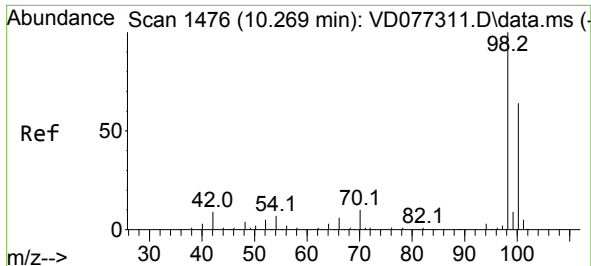
Tgt Ion:117 Resp: 157
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 3.328 ug/l
RT: 7.352 min Scan# 980
Delta R.T. -0.053 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Tgt Ion: 41 Resp: 70
Ion Ratio Lower Upper
41 100
39 0.0 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

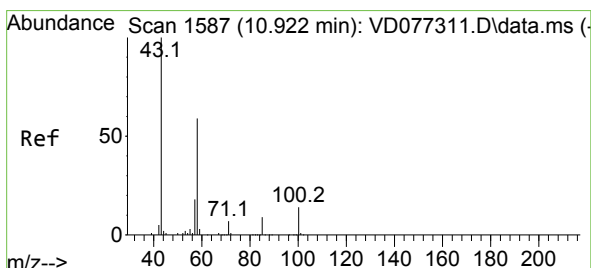
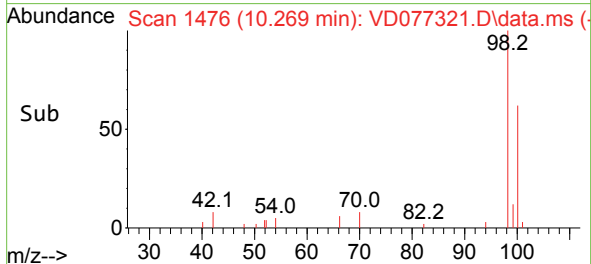
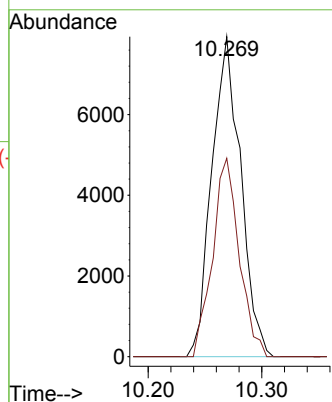
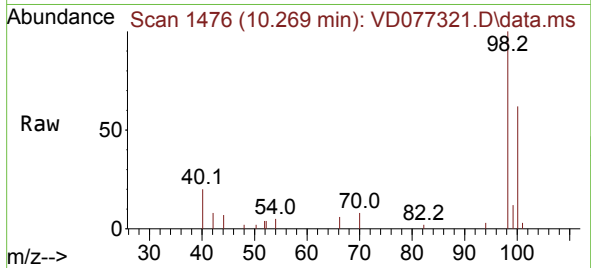




#50
Toluene-d8
Concen: 80.516 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

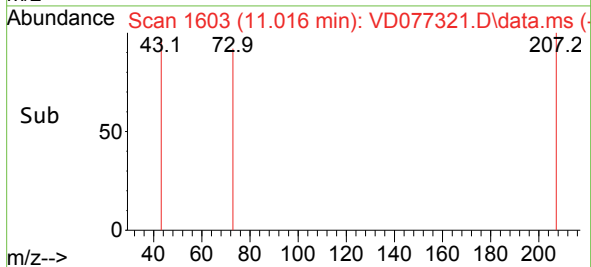
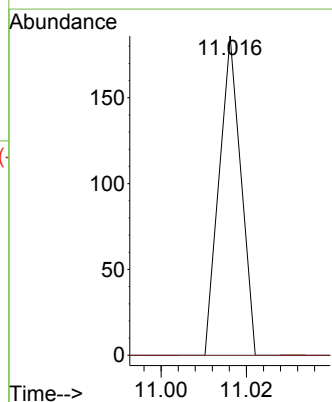
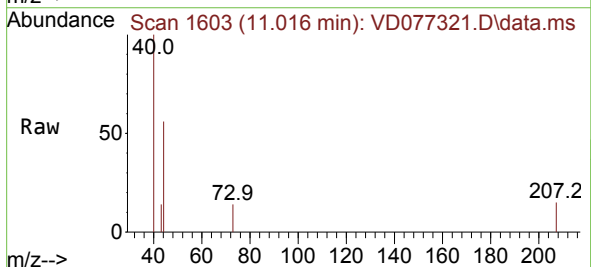
Instrument :
MSVOA_D
ClientSampleId :

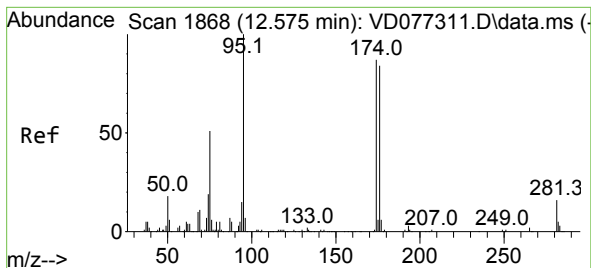
Tgt Ion: 98 Resp: 14011
Ion Ratio Lower Upper
98 100
100 57.2 50.3 75.5



#59
2-Hexanone
Concen: 2.480 ug/l
RT: 11.016 min Scan# 1603
Delta R.T. 0.094 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

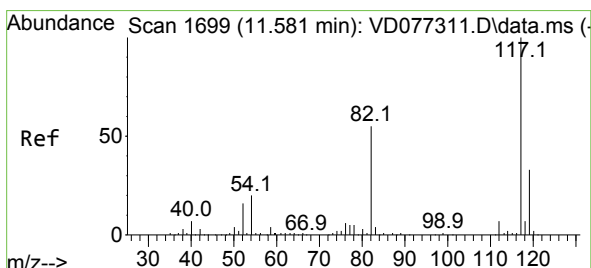
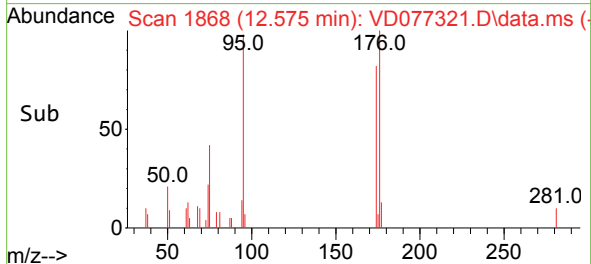
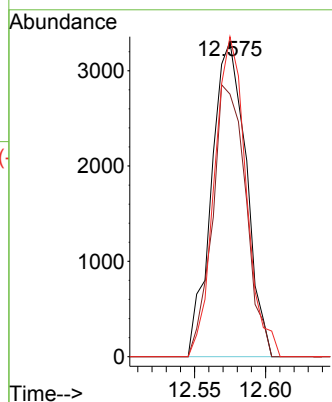
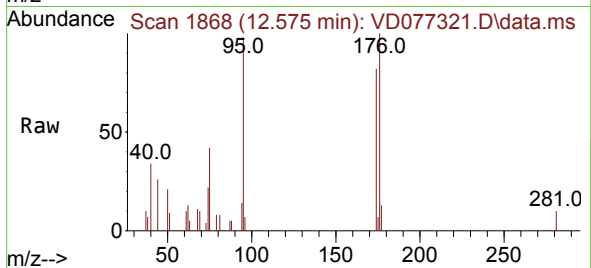




#62
4-Bromofluorobenzene
Concen: 95.627 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

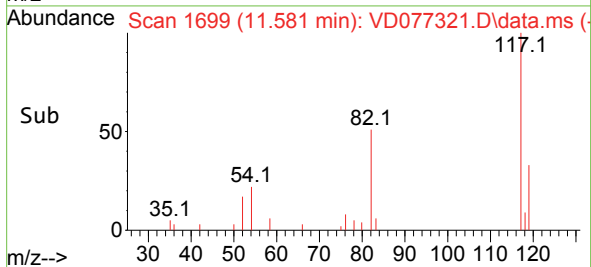
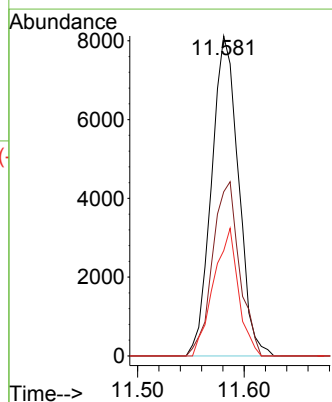
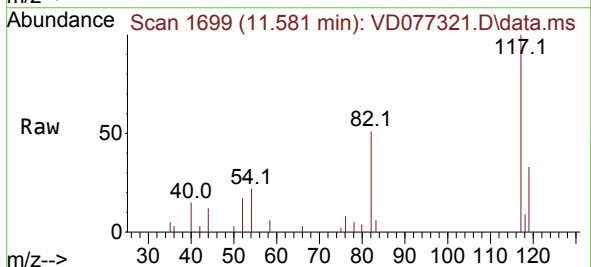
Instrument :
MSVOA_D
ClientSampleId :

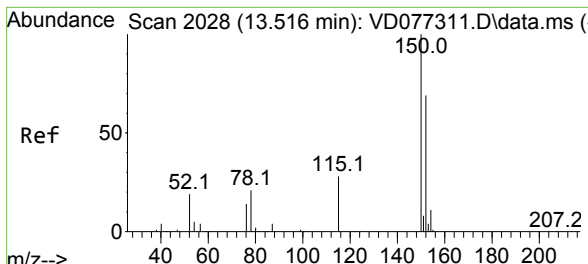
Tgt Ion: 95 Resp: 5589
Ion Ratio Lower Upper
95 100
174 83.1 0.0 201.8
176 92.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077321.D
Acq: 12 Oct 2023 17:10

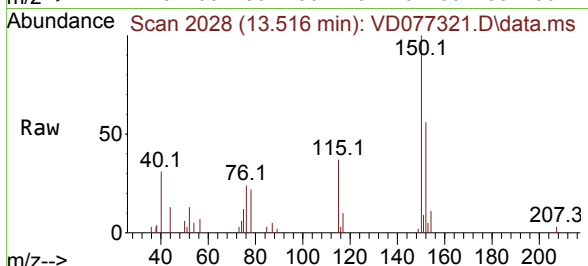
Tgt Ion: 117 Resp: 14250
Ion Ratio Lower Upper
117 100
82 51.3 38.3 57.5
119 32.9 25.0 37.4



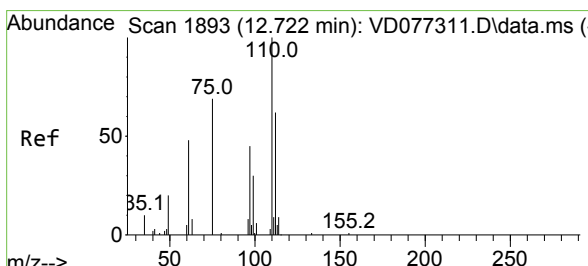
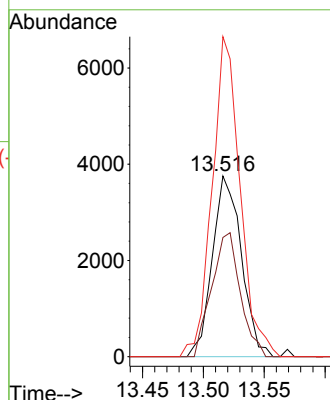
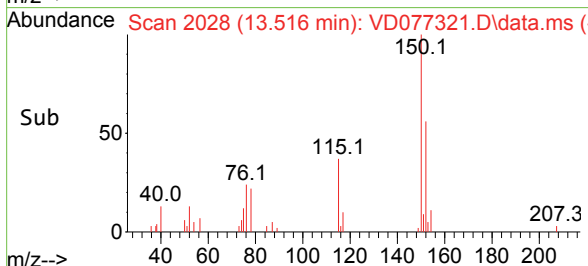


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077321.D
 Acq: 12 Oct 2023 17:10

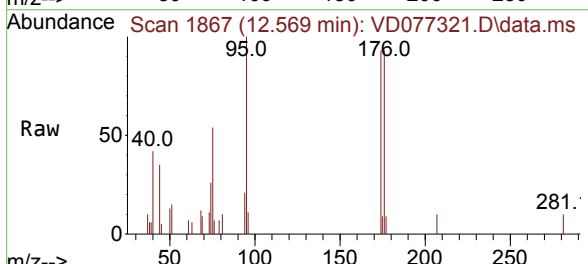
Instrument :
 MSVOA_D
 ClientSampleId :



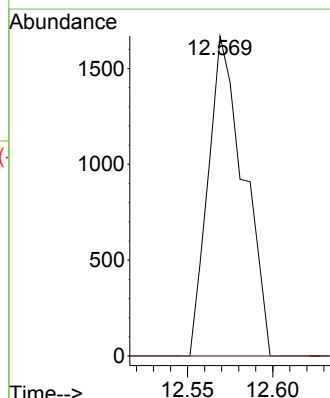
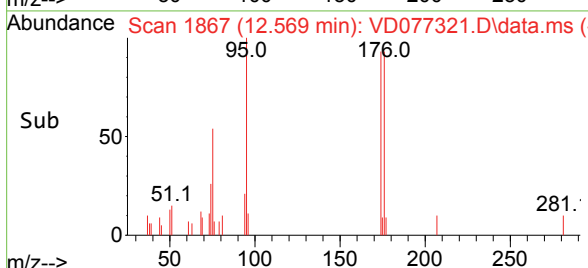
Tgt Ion:152 Resp: 6225
 Ion Ratio Lower Upper
 152 100
 115 67.8 27.1 81.3
 150 170.7 0.0 353.6

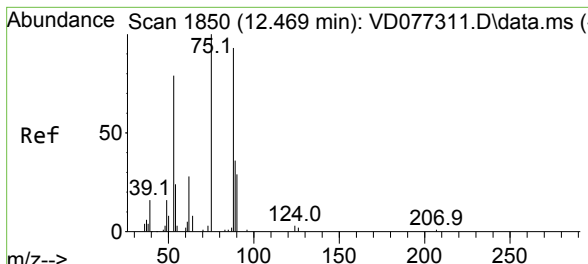


#76
 1,2,3-Trichloropropane
 Concen: 37.794 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD077321.D
 Acq: 12 Oct 2023 17:10



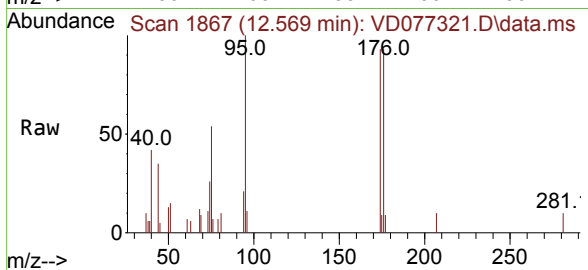
Tgt Ion: 75 Resp: 2437
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.469 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.100 min
 Lab File: VD077321.D
 Acq: 12 Oct 2023 17:10

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	2437
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

