

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092923\
 Data File : VD077249.D
 Acq On : 29 Sep 2023 17:25
 Operator : JC/SY
 Sample : 04672-01RE
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 30 04:45:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

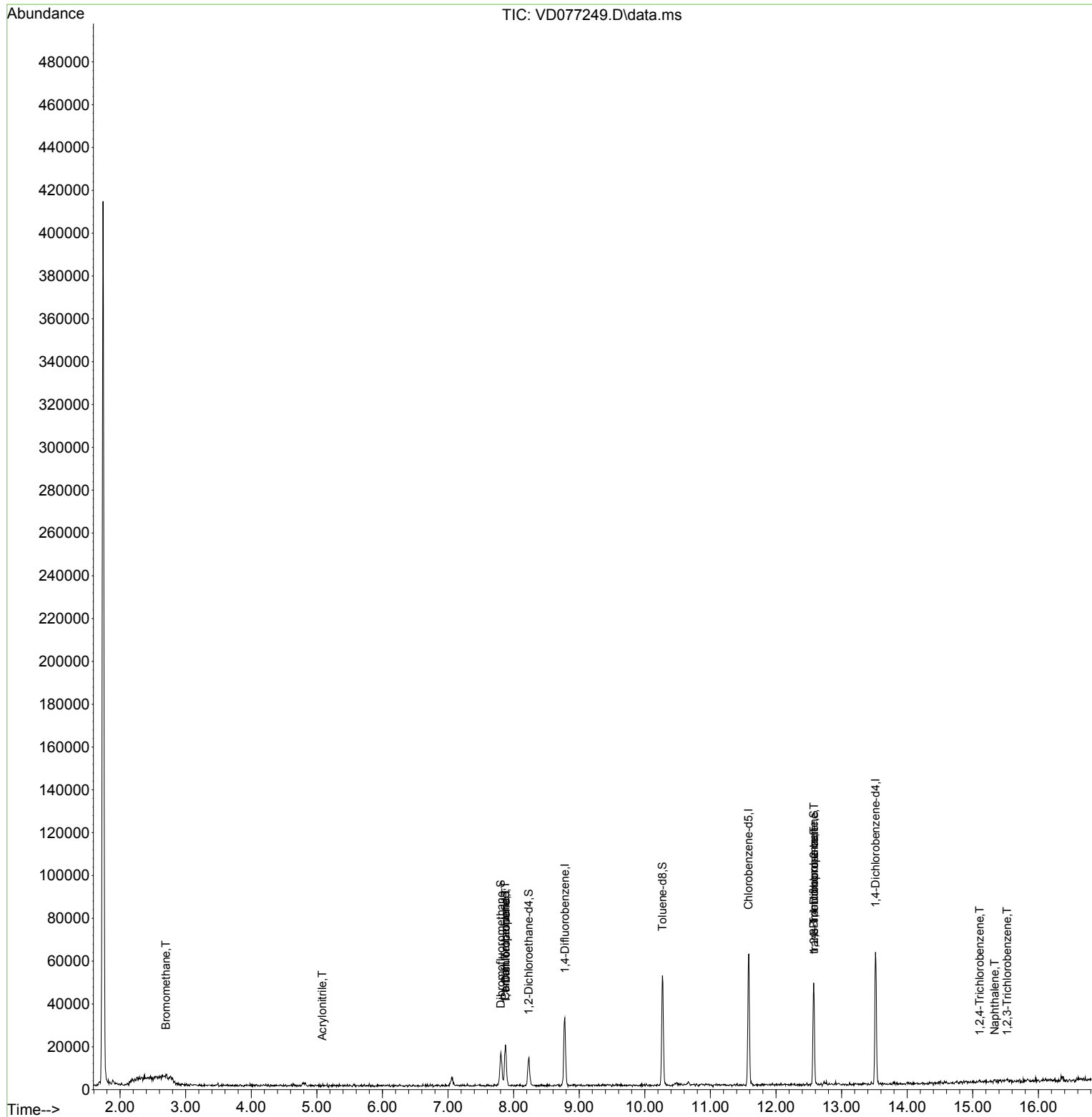
Internal Standards						
1) Pentafluorobenzene	7.875	168	15518	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	29647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	37641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	17641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	9618	61.414	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.820%	
35) Dibromofluoromethane	7.805	113	11276	54.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.520%	
50) Toluene-d8	10.269	98	37617	51.321	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	12.575	95	14681	64.622	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 129.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	844	3.654	ug/l	93
15) Acrylonitrile	5.081	53	63	1.624	ug/l	# 18
20) Methylene Chloride	4.799	84	923	Below Cal	#	49
36) 1,1-Dichloropropene	7.881	75	868	2.799	ug/l	# 39
38) Carbon Tetrachloride	7.875	117	1475	4.839	ug/l	# 11
76) 1,2,3-Trichloropropane	12.581	75	7200	51.166	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.581	75	7200	96.847	ug/l	# 17
93) 1,2,4-Trichlorobenzene	15.104	180	484	1.371	ug/l	90
95) Naphthalene	15.334	128	1474	2.277	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.522	180	468	1.491	ug/l	# 85

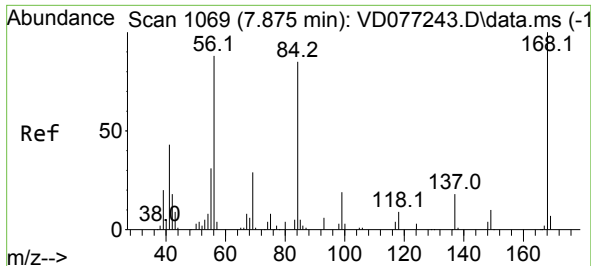
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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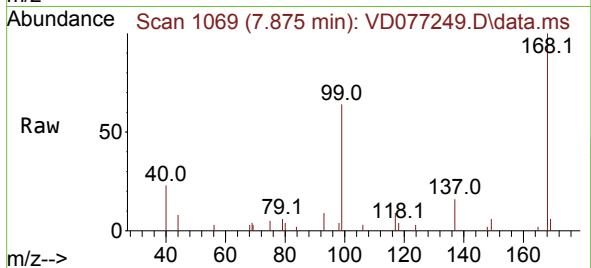
Quant Time: Sep 30 04:45:38 2023
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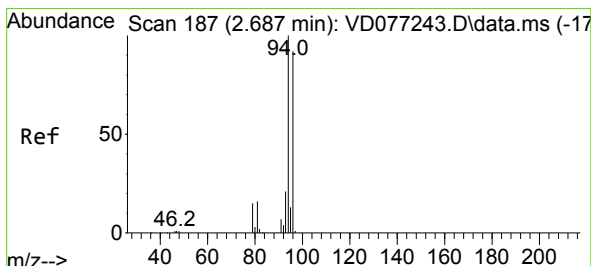
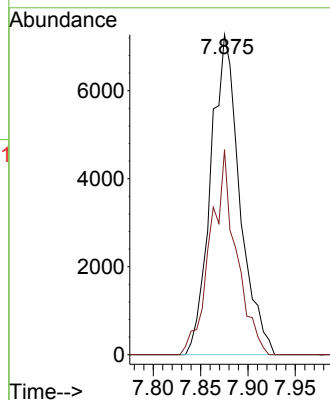
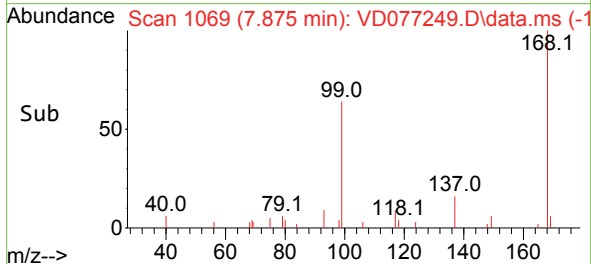


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Instrument :
MSVOA_D
ClientSampleId :

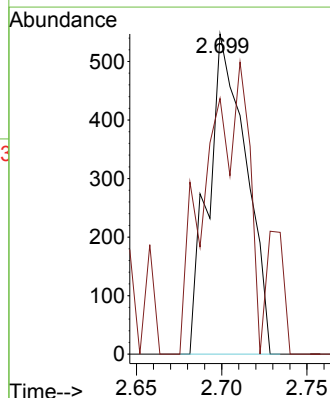
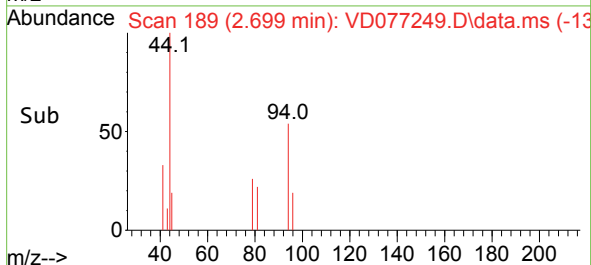
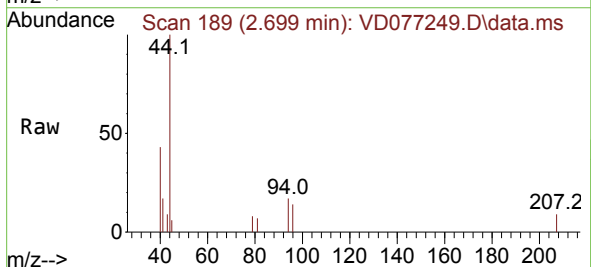


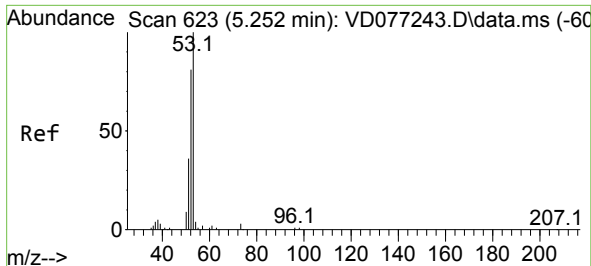
Tgt Ion:168 Resp: 15518
Ion Ratio Lower Upper
168 100
99 64.0 36.7 55.1#



#5
Bromomethane
Concen: 3.654 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

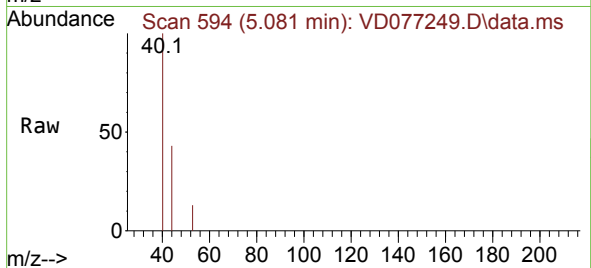
Tgt Ion: 94 Resp: 844
Ion Ratio Lower Upper
94 100
96 101.8 75.8 113.8



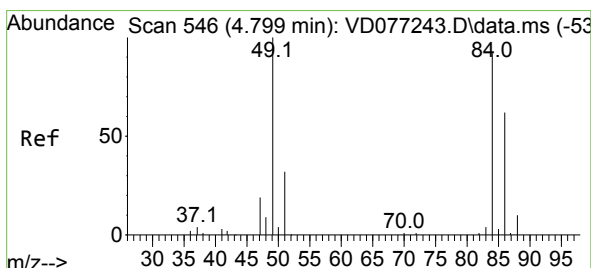
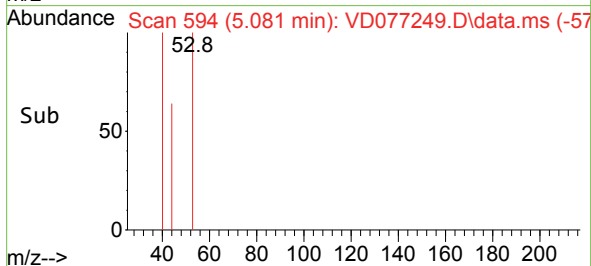
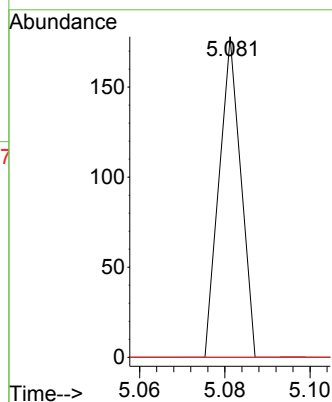


#15
Acrylonitrile
Concen: 1.624 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.164 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Instrument :
MSVOA_D
ClientSampleId :

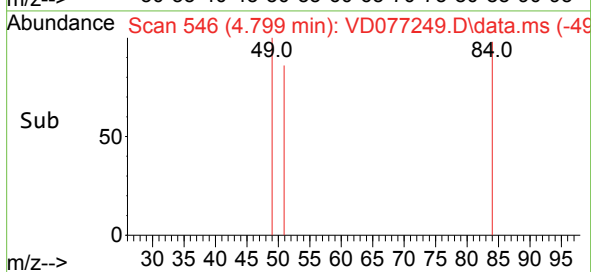
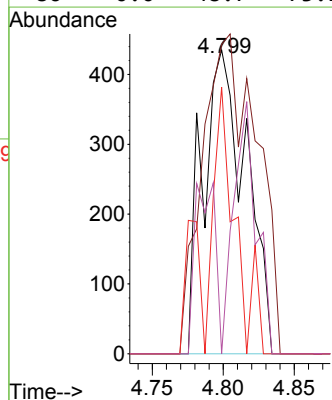
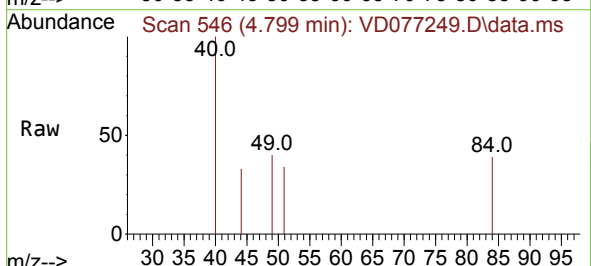


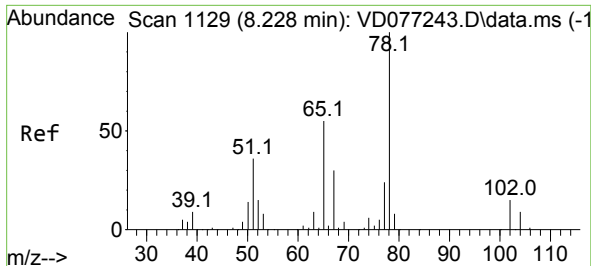
Tgt Ion: 53 Resp: 63
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Tgt Ion: 84 Resp: 923
Ion Ratio Lower Upper
84 100
49 101.8 71.4 107.2
51 87.8 24.5 36.7#
86 0.0 48.7 73.1#





#33

1,2-Dichloroethane-d4

Concen: 61.414 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077249.D

Acq: 29 Sep 2023 17:25

Instrument :

MSVOA_D

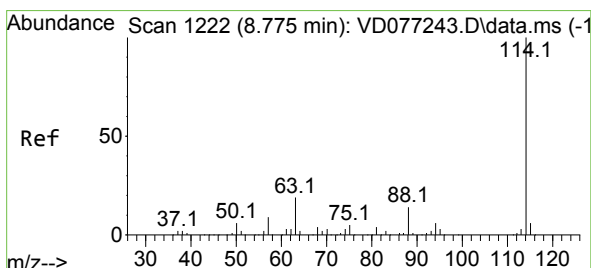
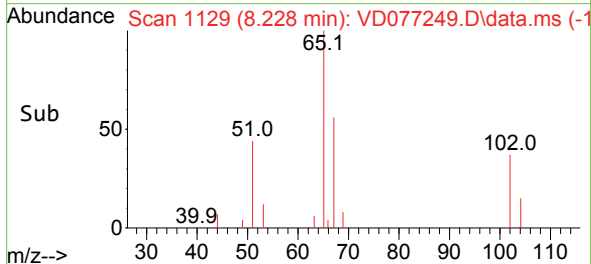
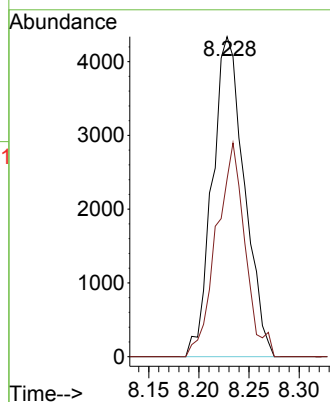
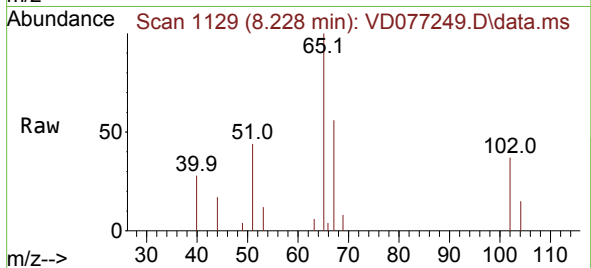
ClientSampleId :

Tgt Ion: 65 Resp: 9618

Ion Ratio Lower Upper

65 100

67 60.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077249.D

Acq: 29 Sep 2023 17:25

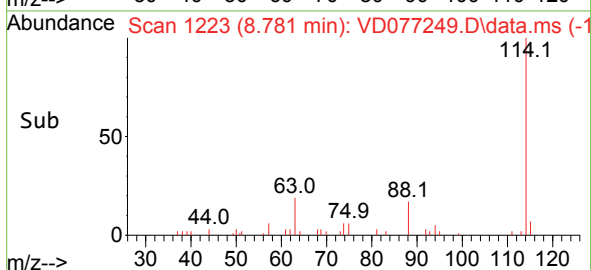
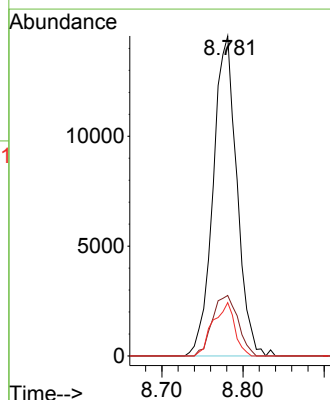
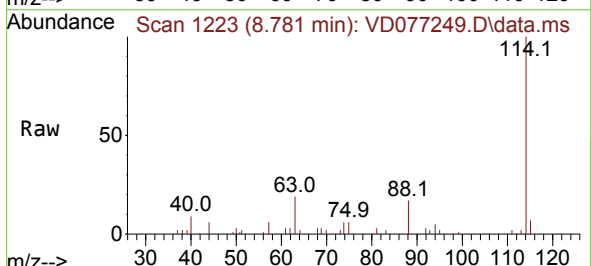
Tgt Ion: 114 Resp: 29647

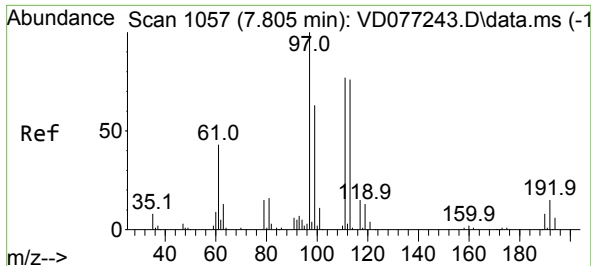
Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 16.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 54.758 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

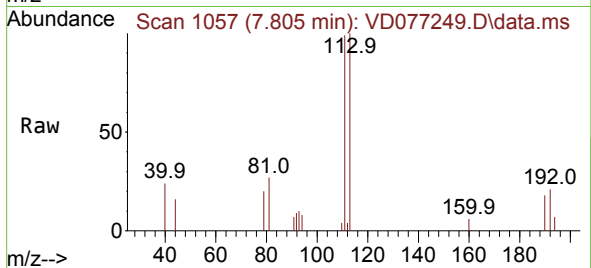
Lab File: VD077249.D

Acq: 29 Sep 2023 17:25

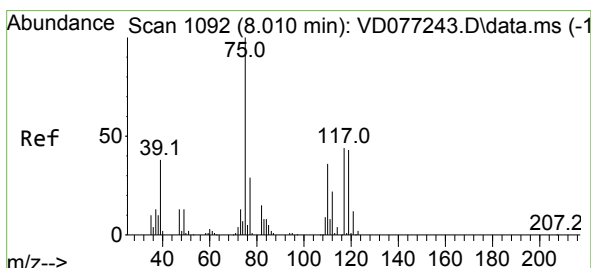
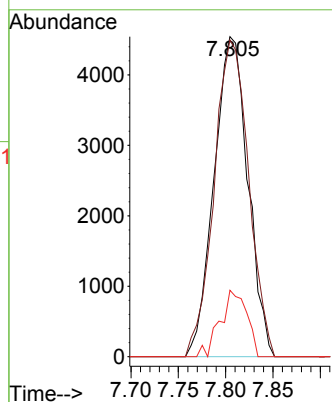
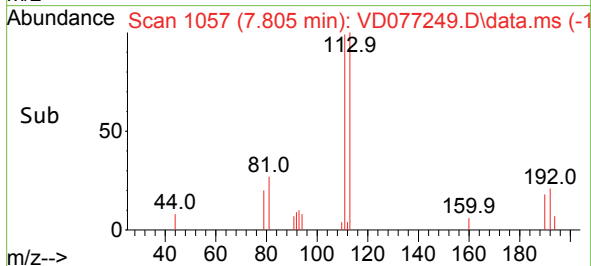
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	11276
Ion	Ratio	Lower	Upper
113	100		
111	101.2	84.7	127.1
192	16.3	16.8	25.2#



#36

1,1-Dichloropropene

Concen: 2.799 ug/l

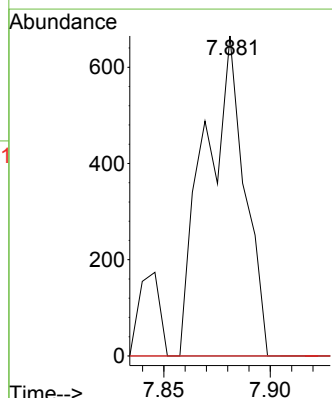
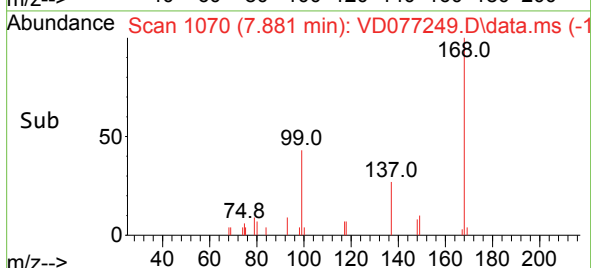
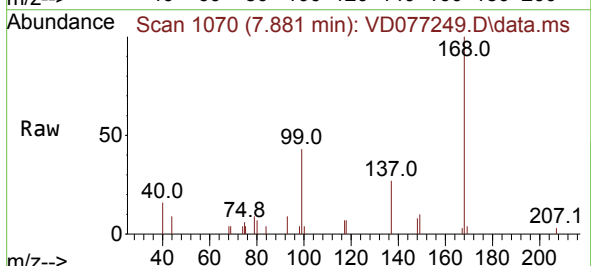
RT: 7.881 min Scan# 1070

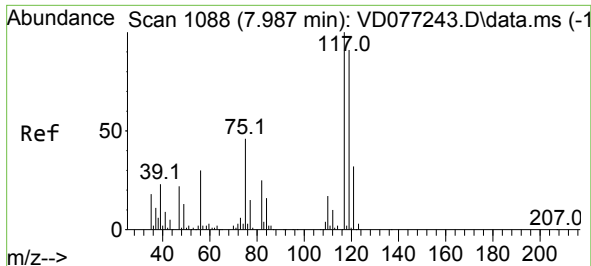
Delta R.T. -0.129 min

Lab File: VD077249.D

Acq: 29 Sep 2023 17:25

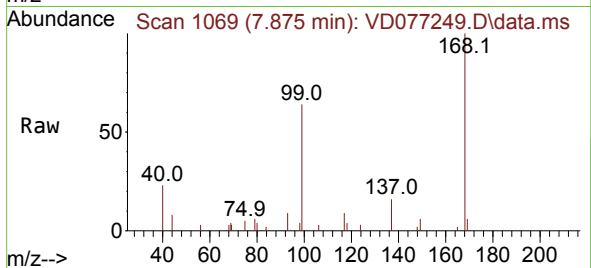
Tgt Ion:	75	Resp:	868
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.9	59.6#
77	0.0	24.7	37.1#



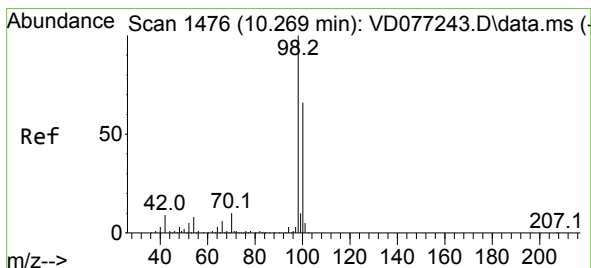
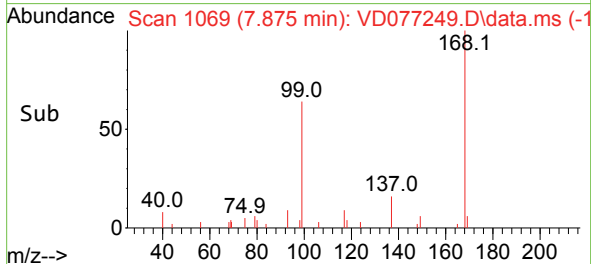
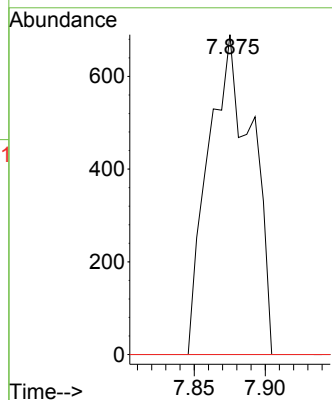


#38
Carbon Tetrachloride
Concen: 4.839 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Instrument :
MSVOA_D
ClientSampleId :

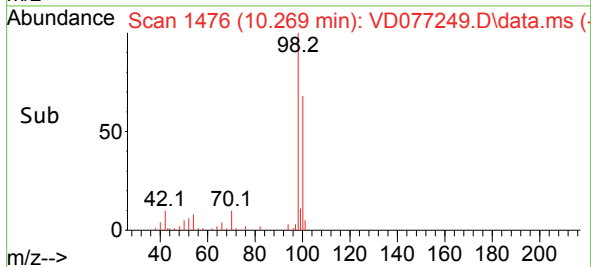
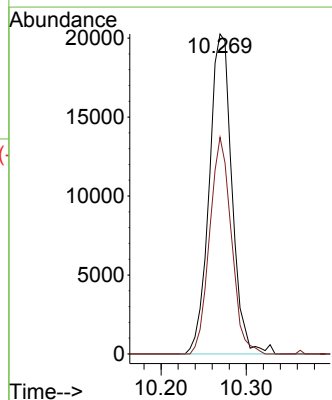
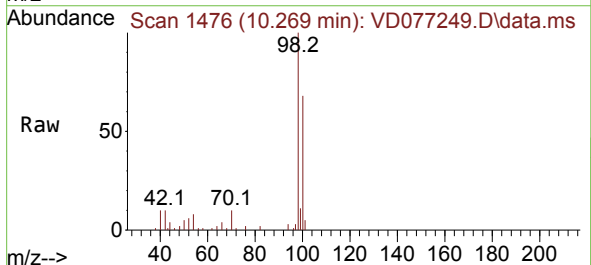


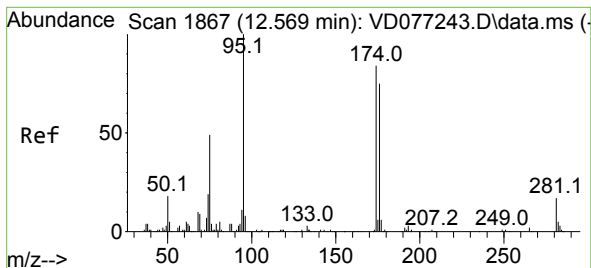
Tgt Ion:117 Resp: 1475
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.321 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Tgt Ion: 98 Resp: 37617
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5

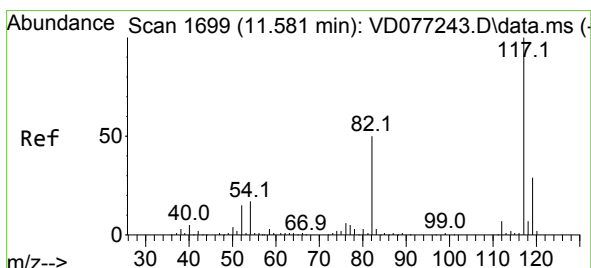
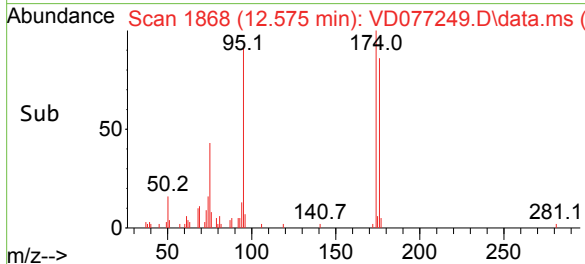
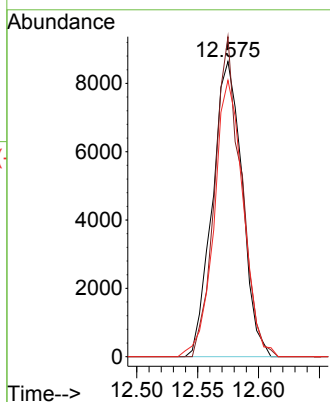
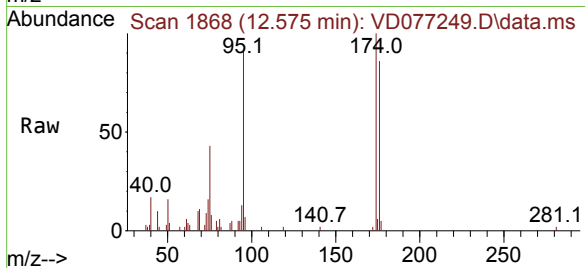




#62
4-Bromofluorobenzene
Concen: 64.622 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

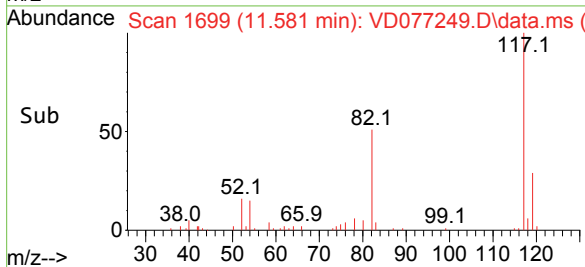
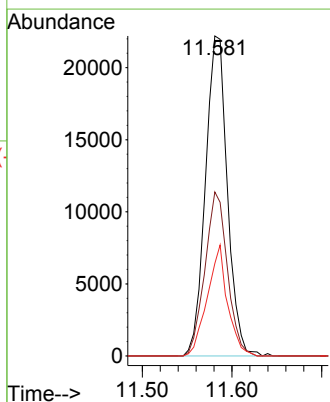
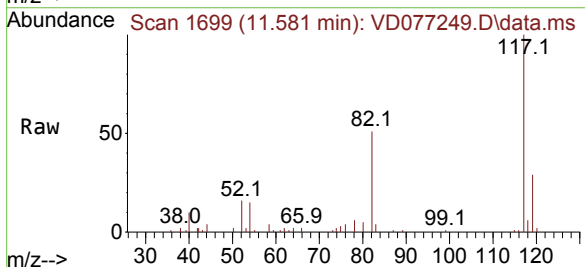
Instrument :
MSVOA_D
ClientSampleId :

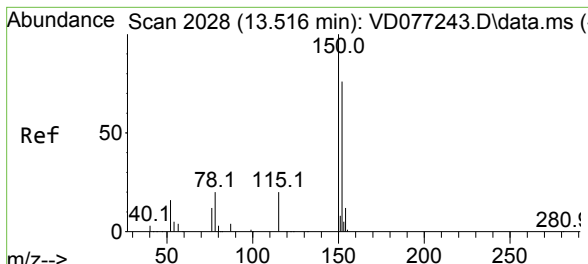
Tgt Ion: 95 Resp: 14681
Ion Ratio Lower Upper
95 100
174 96.4 0.0 201.8
176 91.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Tgt Ion: 117 Resp: 37641
Ion Ratio Lower Upper
117 100
82 51.2 38.3 57.5
119 28.9 25.0 37.4

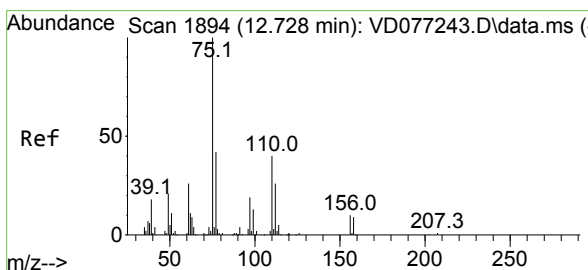
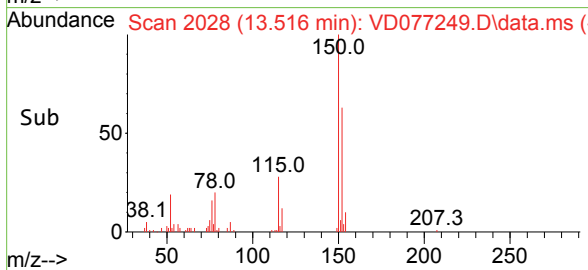
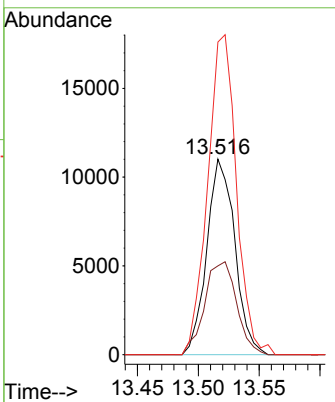
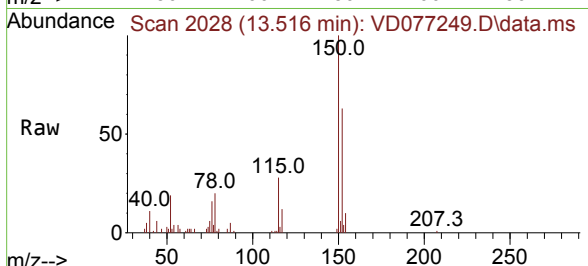




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077249.D
 Acq: 29 Sep 2023 17:25

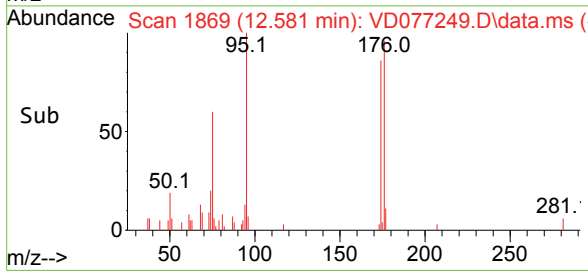
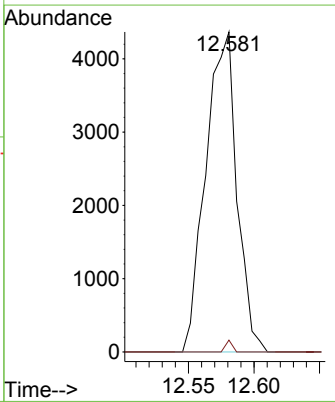
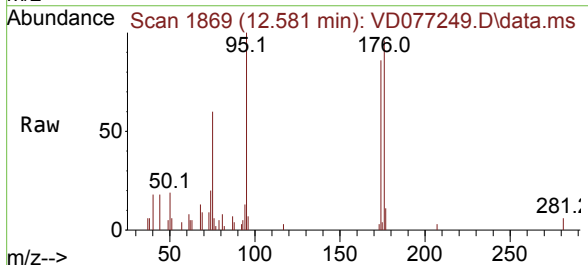
Instrument :
 MSVOA_D
 ClientSampleId :

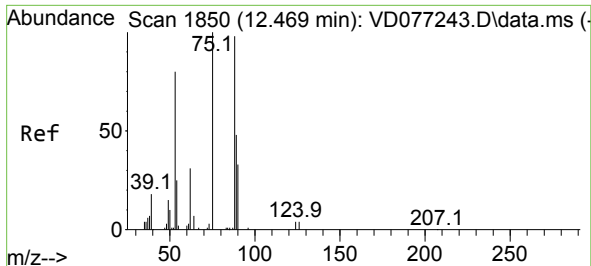
Tgt Ion:	152	Resp:	17641
Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.3
150	167.5	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.166 ug/l
 RT: 12.581 min Scan# 1869
 Delta R.T. -0.147 min
 Lab File: VD077249.D
 Acq: 29 Sep 2023 17:25

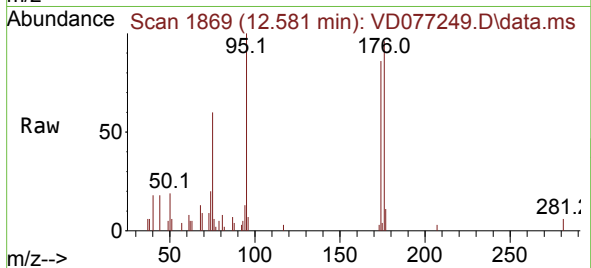
Tgt Ion:	75	Resp:	7200
Ion	Ratio	Lower	Upper
75	100		
77	0.8	0.0	0.0#



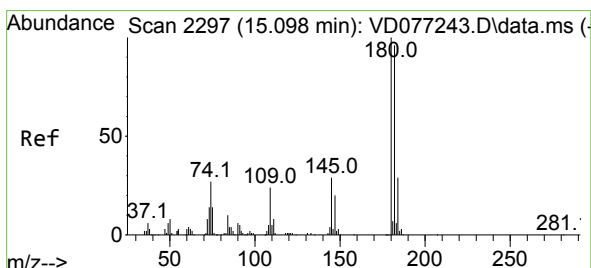
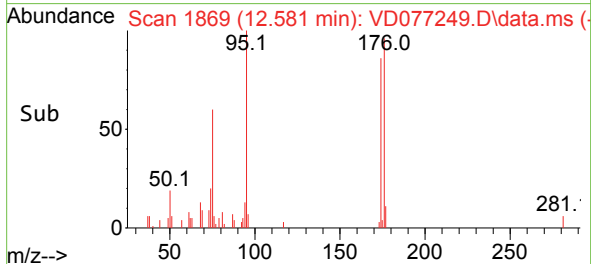
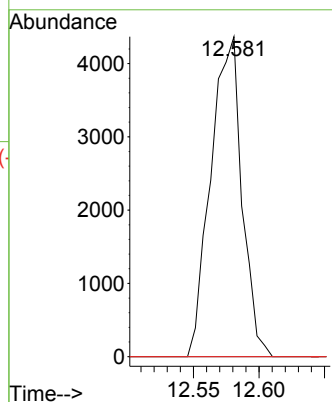


#81
trans-1,4-Dichloro-2-butene
Concen: 96.847 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.112 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Instrument :
MSVOA_D
ClientSampleId :

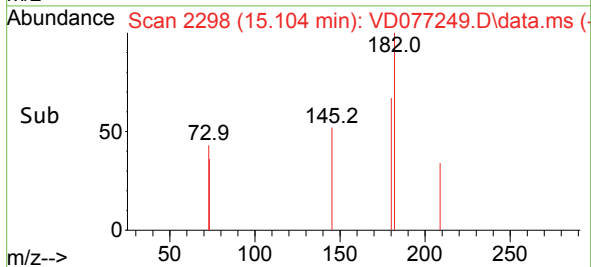
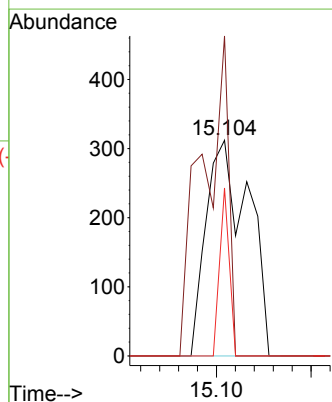
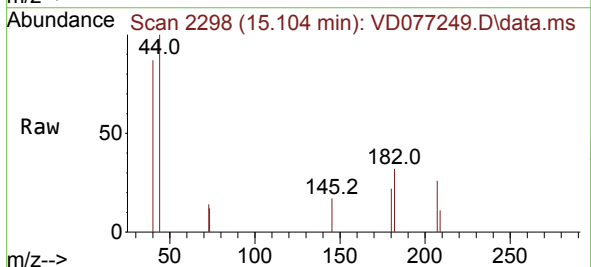


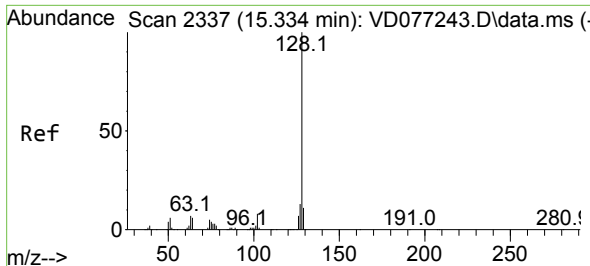
Tgt Ion: 75 Resp: 7200
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.371 ug/l
RT: 15.104 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Tgt Ion: 180 Resp: 484
Ion Ratio Lower Upper
180 100
182 90.7 48.5 145.6
145 17.8 14.2 42.6

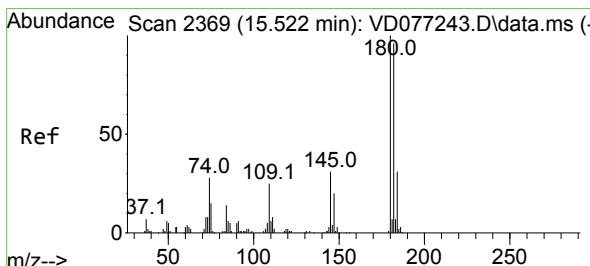
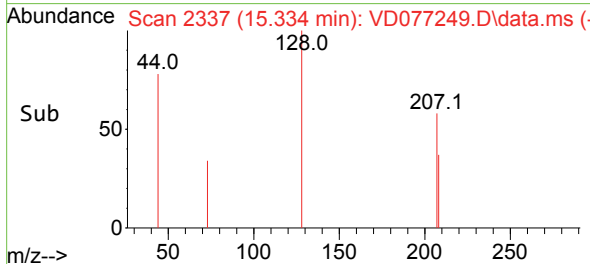
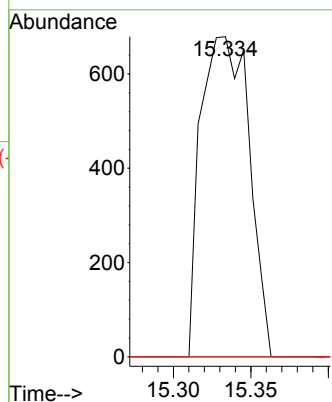
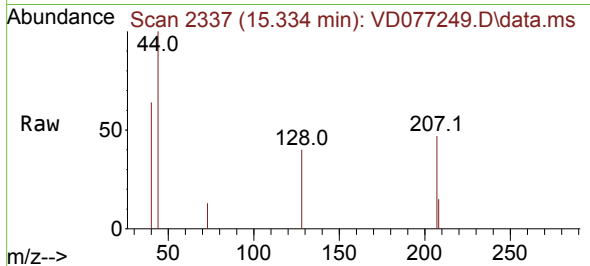




#95
Naphthalene
Concen: 2.277 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1474
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.491 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077249.D
Acq: 29 Sep 2023 17:25

Tgt Ion:180 Resp: 468
Ion Ratio Lower Upper
180 100
182 96.8 47.3 141.9
145 0.0 15.1 45.3#

