

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077320.D
 Acq On : 12 Oct 2023 16:42
 Operator : JC/SY
 Sample : 04837-05RE
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 13 02:32:04 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)

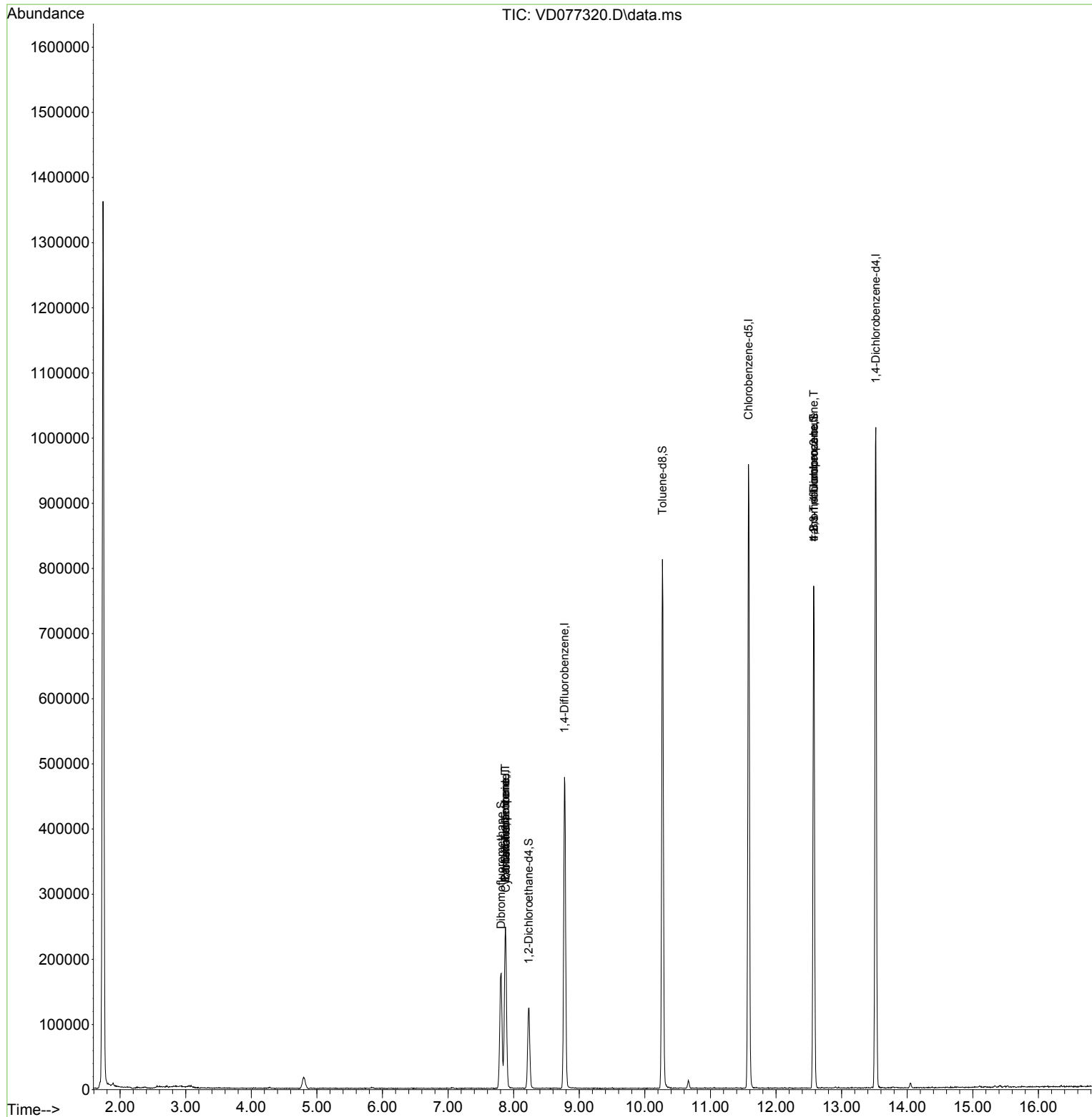
Internal Standards						
1) Pentafluorobenzene	7.875	168	189602	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	442114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	569283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	275174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95826	64.286	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 128.580%		
35) Dibromofluoromethane	7.810	113	133424	57.955	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 115.900%		
50) Toluene-d8	10.269	98	573515	74.292	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 148.580%#		
62) 4-Bromofluorobenzene	12.575	95	244749	94.396	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 188.800%#		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	14103	Below Cal	#	87
31) Cyclohexane	7.881	56	4378	1.210	ug/l #	8
36) 1,1-Dichloropropene	7.875	75	15726	3.656	ug/l #	46
38) Carbon Tetrachloride	7.875	117	18824	4.860	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	124647	43.730	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	124647	97.737	ug/l #	17

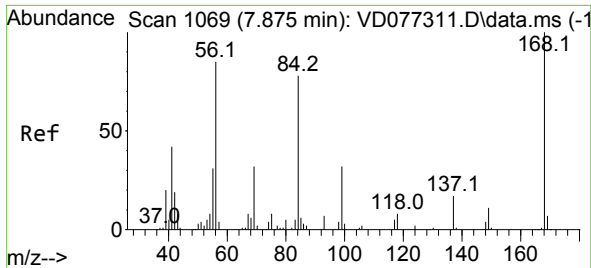
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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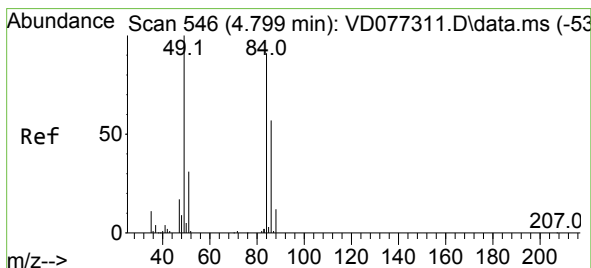
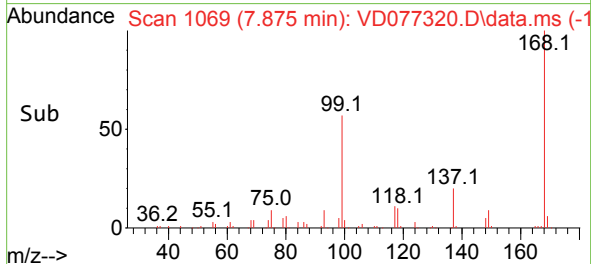
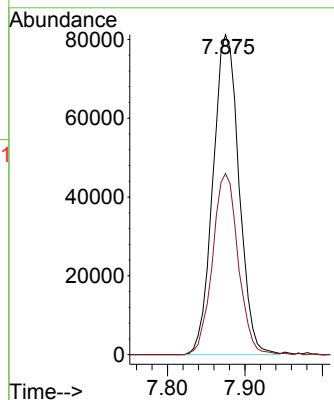
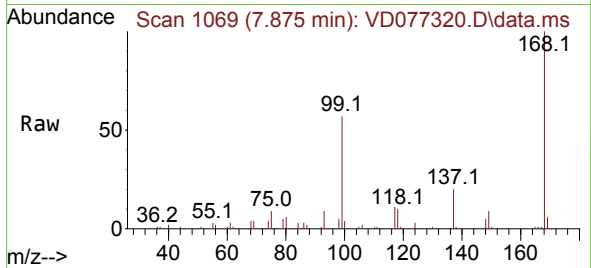




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

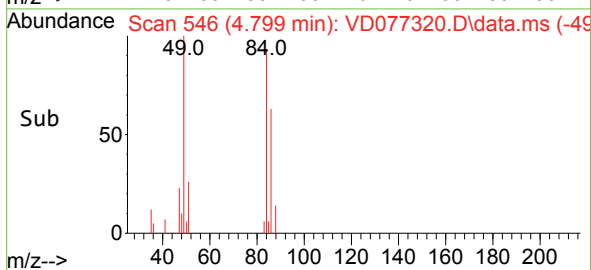
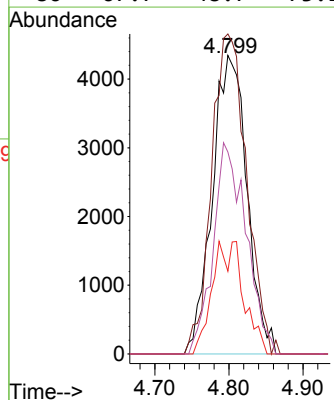
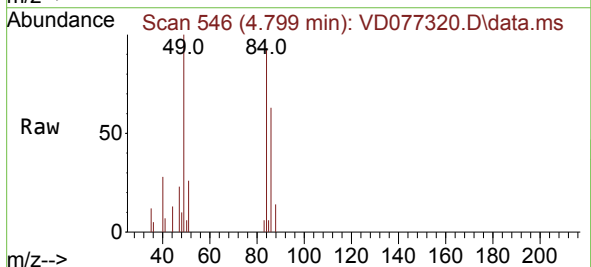
Instrument :
MSVOA_D
ClientSampleId :

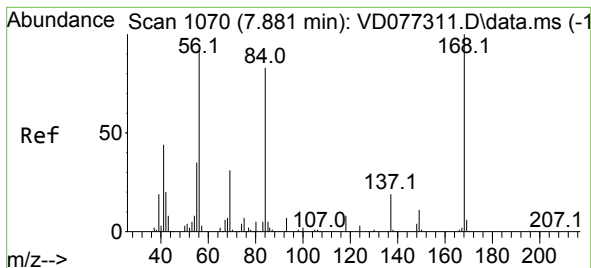
Tgt Ion:168 Resp: 189602
Ion Ratio Lower Upper
168 100
99 56.6 36.7 55.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

Tgt Ion: 84 Resp: 14103
Ion Ratio Lower Upper
84 100
49 107.2 71.4 107.2#
51 27.7 24.5 36.7
86 67.7 48.7 73.1





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

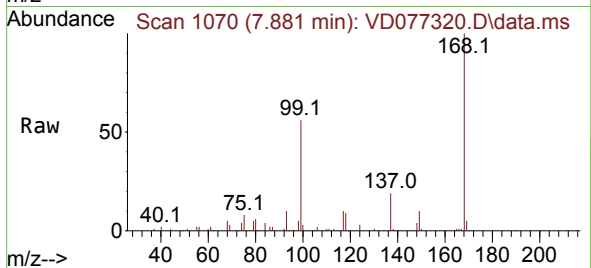
Lab File: VD077320.D

Acq: 12 Oct 2023 16:42

Instrument :

MSVOA_D

ClientSampleId :



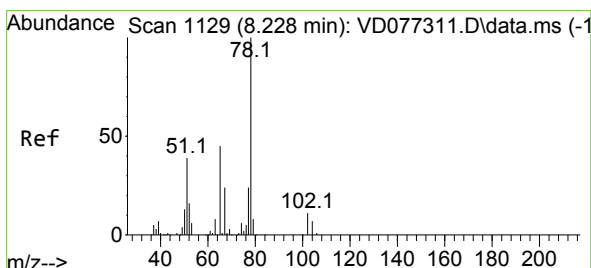
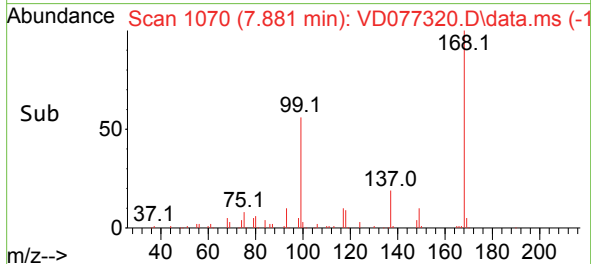
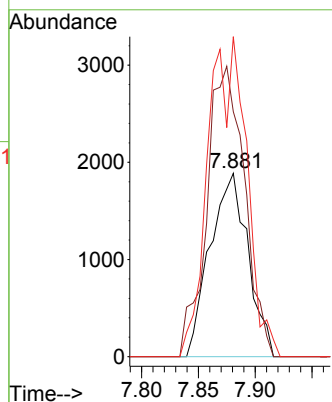
Tgt Ion: 56 Resp: 4378

Ion Ratio Lower Upper

56 100

69 133.6 28.6 43.0#

84 174.5 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 64.286 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077320.D

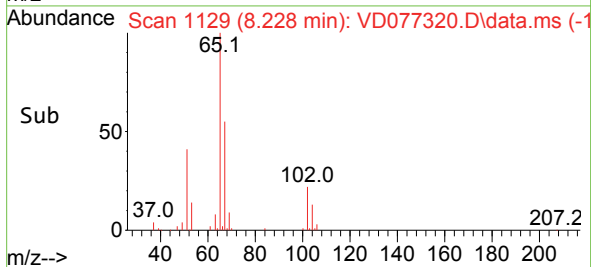
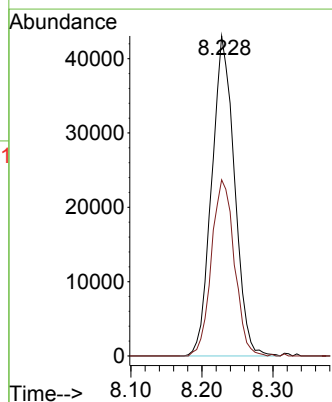
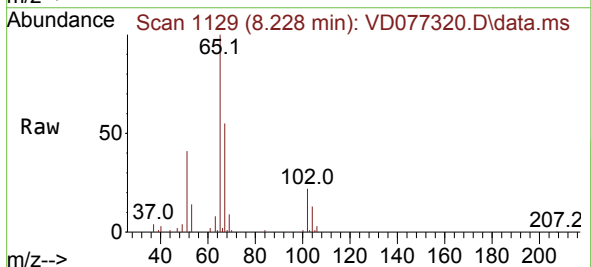
Acq: 12 Oct 2023 16:42

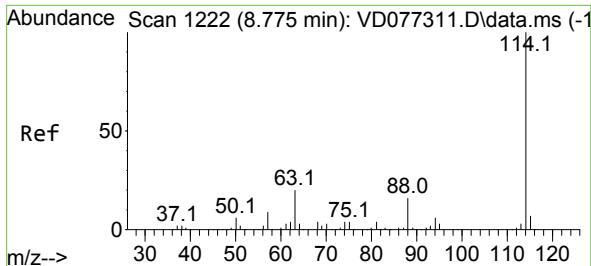
Tgt Ion: 65 Resp: 95826

Ion Ratio Lower Upper

65 100

67 55.6 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: VD077320.D

Acq: 12 Oct 2023 16:42

Instrument :

MSVOA_D

ClientSampleId :

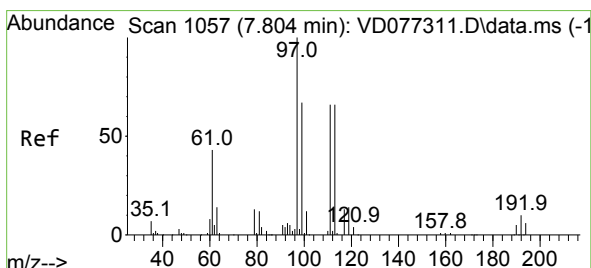
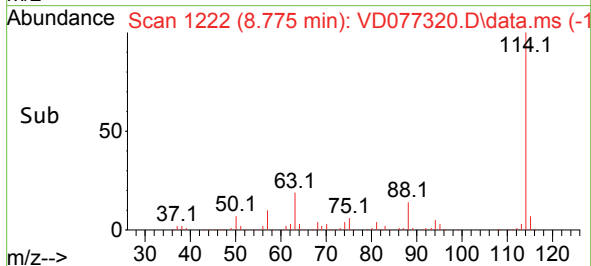
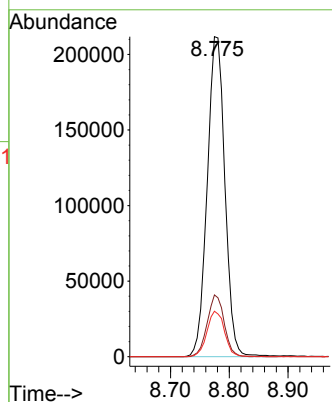
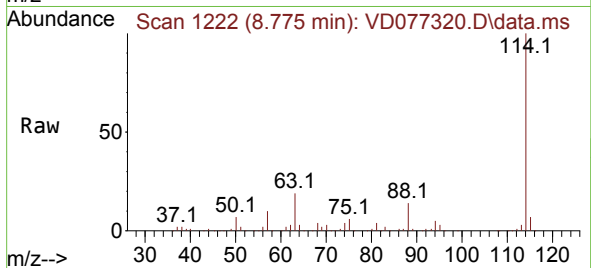
Tgt Ion:114 Resp: 442114

Ion Ratio Lower Upper

114 100

63 19.3 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 57.955 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077320.D

Acq: 12 Oct 2023 16:42

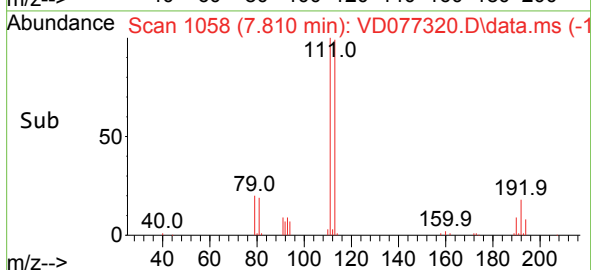
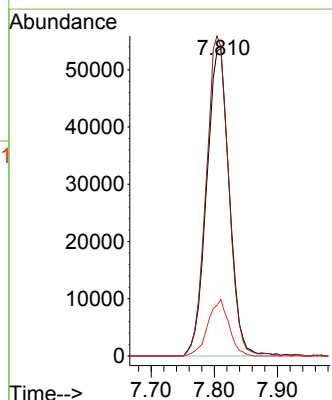
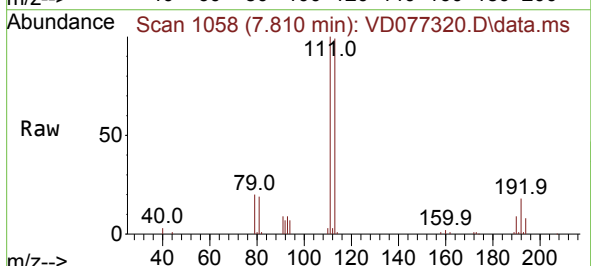
Tgt Ion:113 Resp: 133424

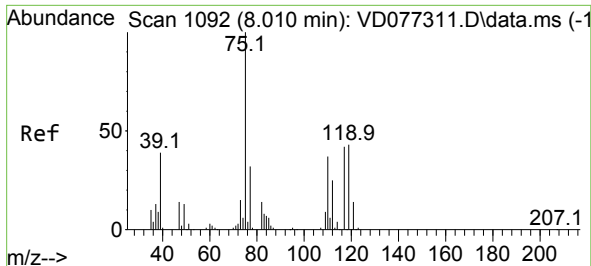
Ion Ratio Lower Upper

113 100

111 103.4 84.7 127.1

192 17.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.656 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

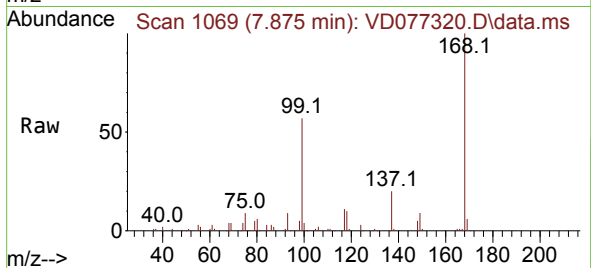
Lab File: VD077320.D

Acq: 12 Oct 2023 16:42

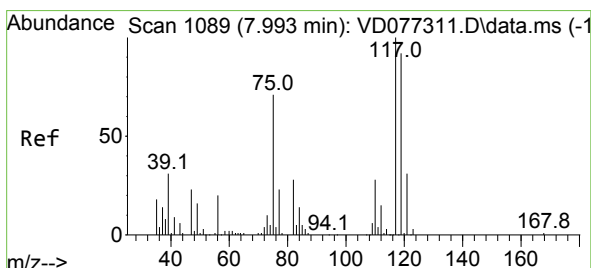
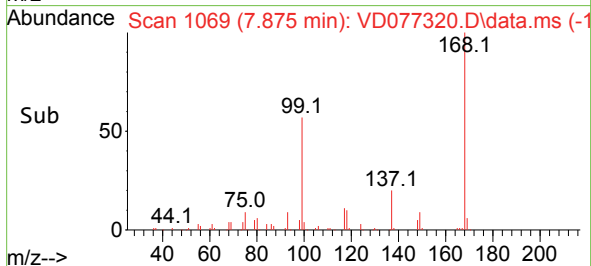
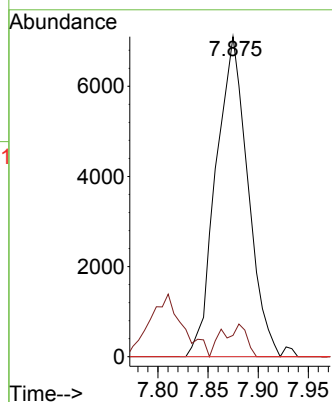
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	15726
Ion Ratio	Lower	Upper	
75	100		
110	7.6	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.860 ug/l

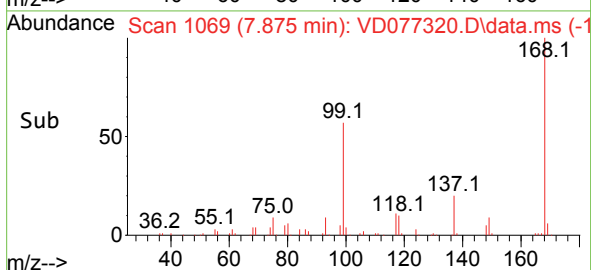
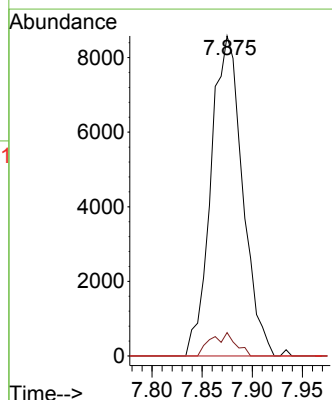
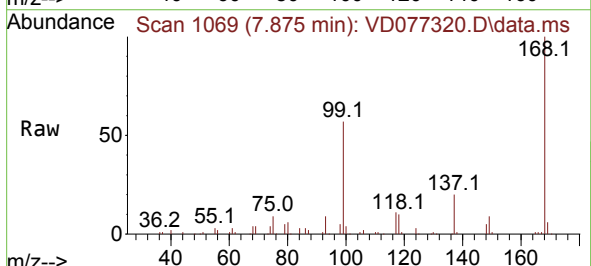
RT: 7.875 min Scan# 1069

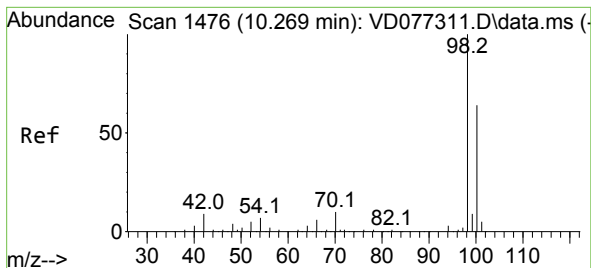
Delta R.T. -0.118 min

Lab File: VD077320.D

Acq: 12 Oct 2023 16:42

Tgt Ion:	117	Resp:	18824
Ion Ratio	Lower	Upper	
117	100		
119	7.3	78.0	117.0#
121	0.0	24.2	36.2#

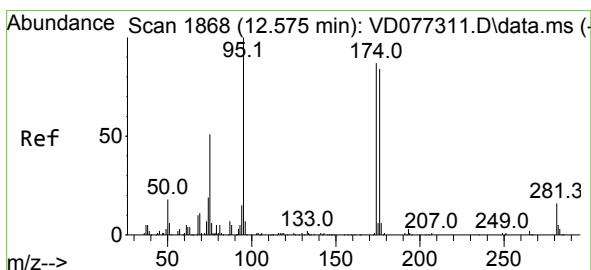
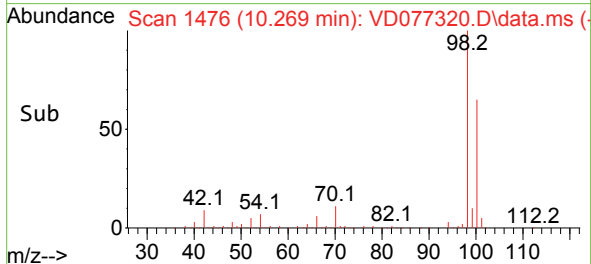
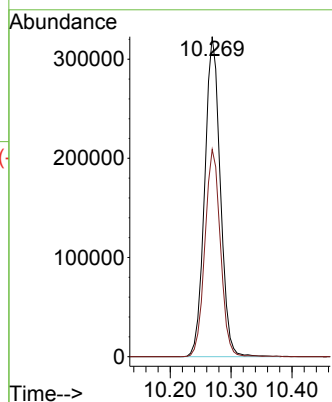
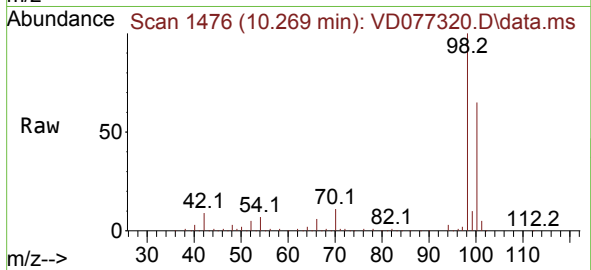




#50
Toluene-d8
Concen: 74.292 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

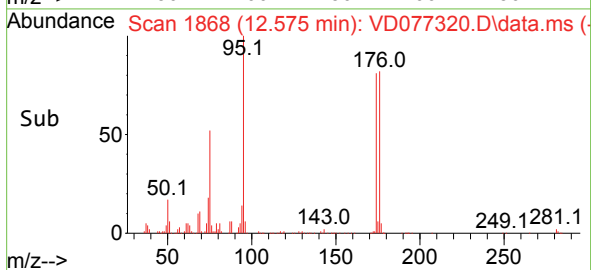
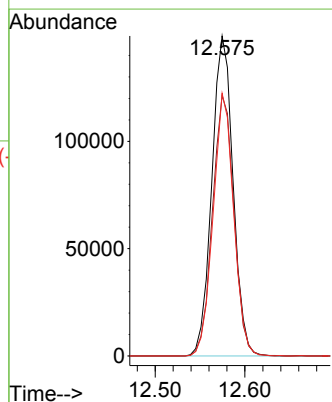
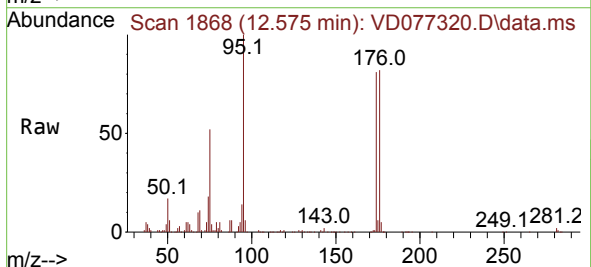
Instrument :
MSVOA_D
ClientSampleId :

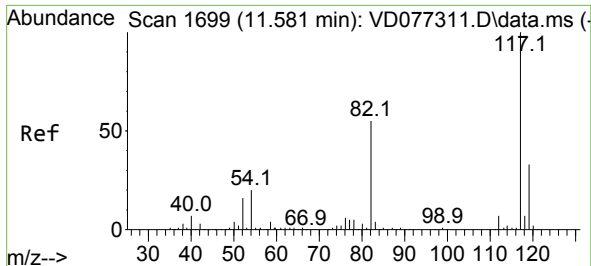
Tgt Ion: 98 Resp: 573515
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 94.396 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

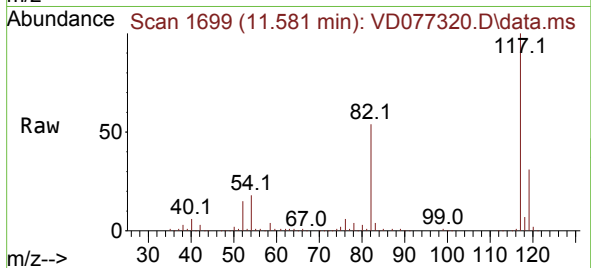
Tgt Ion: 95 Resp: 244749
Ion Ratio Lower Upper
95 100
174 82.3 0.0 201.8
176 79.5 0.0 191.8



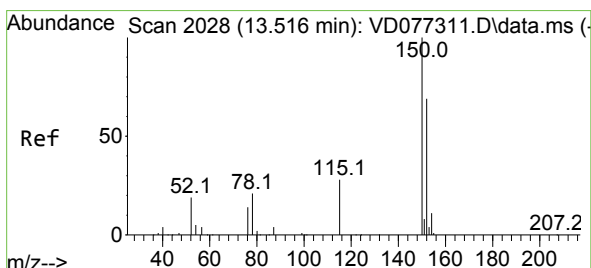
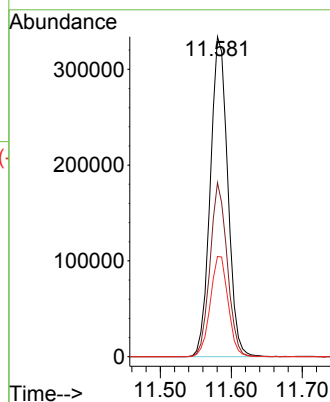
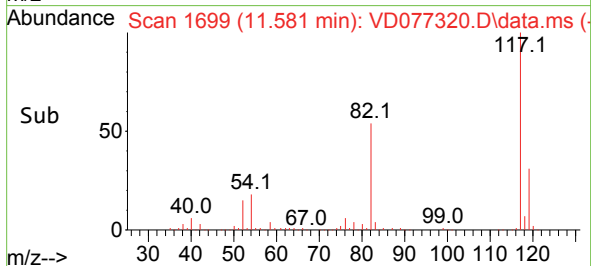


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

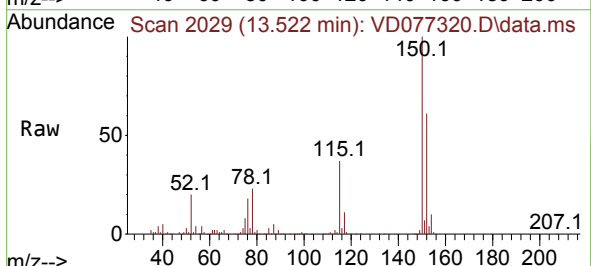
Instrument :
MSVOA_D
ClientSampleId :



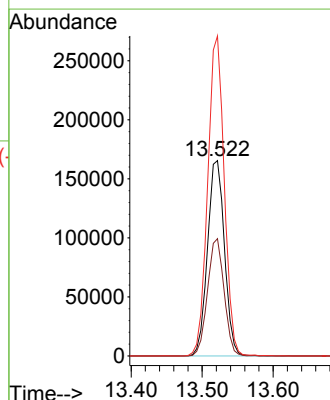
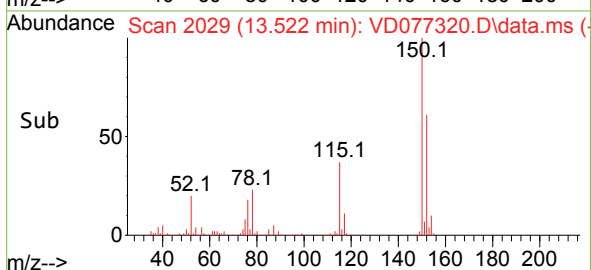
Tgt Ion:117 Resp: 569283
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 31.3 25.0 37.4

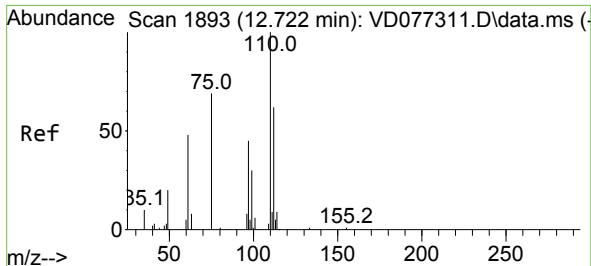


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42



Tgt Ion:152 Resp: 275174
Ion Ratio Lower Upper
152 100
115 58.6 27.1 81.3
150 159.5 0.0 353.6

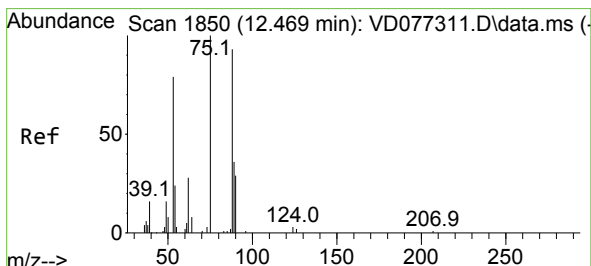
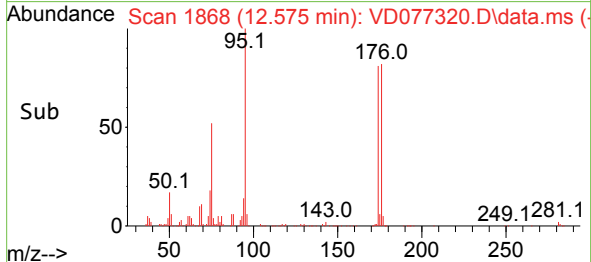
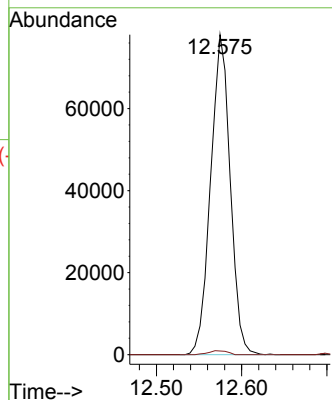
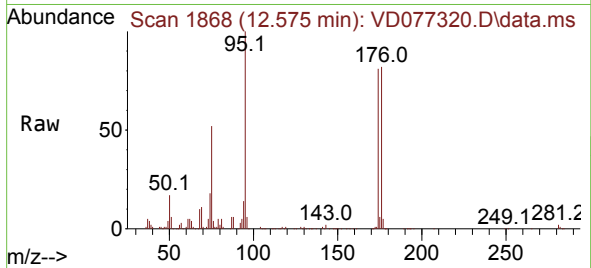




#76
1,2,3-Trichloropropane
Concen: 43.730 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 124647
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.737 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077320.D
Acq: 12 Oct 2023 16:42

Tgt Ion: 75 Resp: 124647
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

