

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077422.D
 Acq On : 25 Oct 2023 18:51
 Operator : JC/SY
 Sample : 05027-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 07:03:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

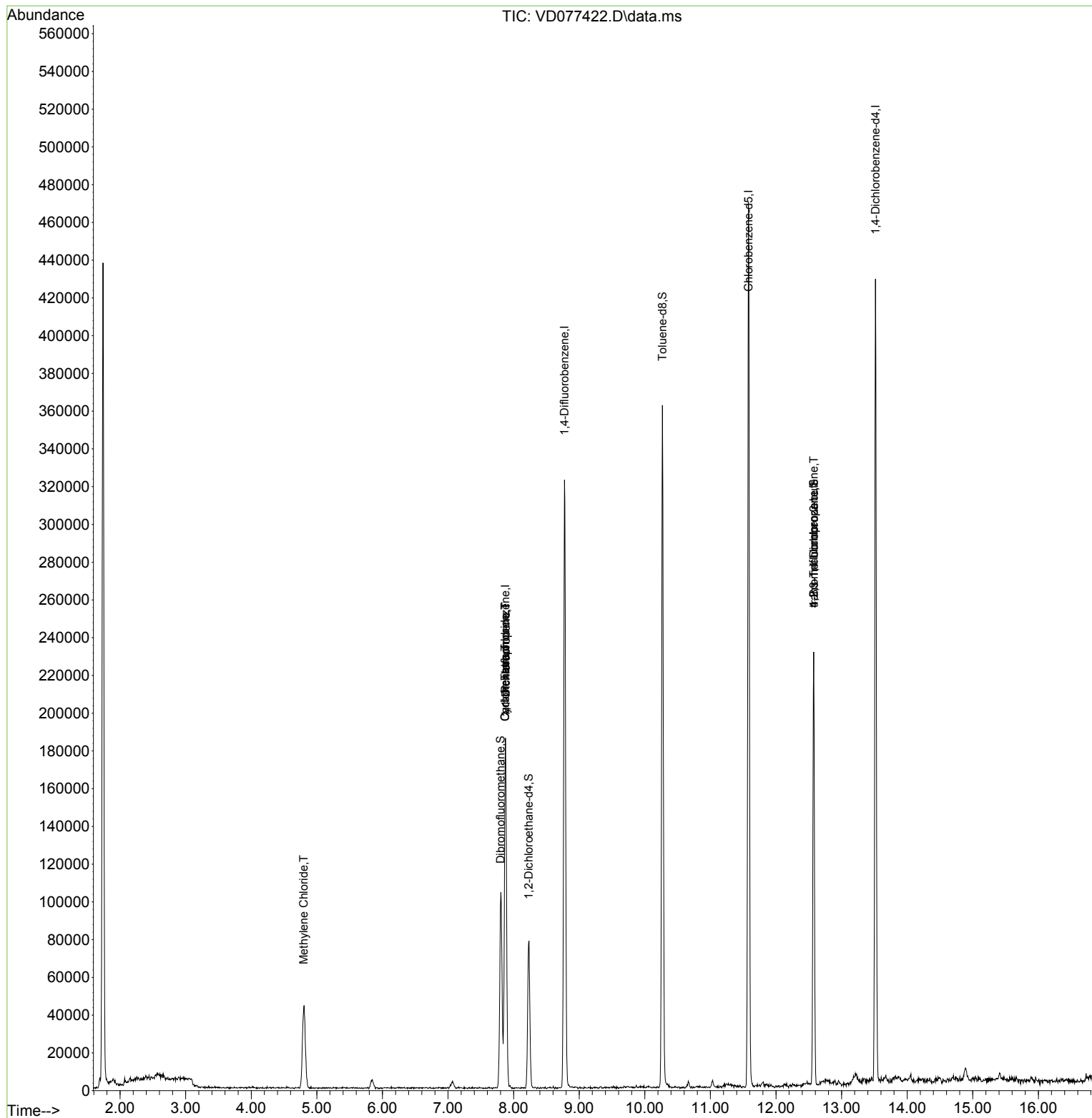
Internal Standards						
1) Pentafluorobenzene	7.875	168	153409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	305999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	295381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	123020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60622	44.254	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.500%
35) Dibromofluoromethane	7.799	113	77568	36.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	72.160%
50) Toluene-d8	10.269	98	263028	34.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	68.320%
62) 4-Bromofluorobenzene	12.575	95	71100	32.082	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.160%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	40186	19.161	ug/l	94
31) Cyclohexane	7.869	56	2797	1.312	ug/l #	44
36) 1,1-Dichloropropene	7.881	75	11006	3.896	ug/l #	46
38) Carbon Tetrachloride	7.869	117	13709	4.363	ug/l #	21
76) 1,2,3-Trichloropropane	12.575	75	34324	22.165	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	34324	74.762	ug/l #	18

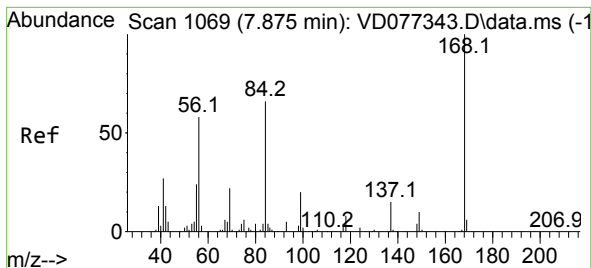
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077422.D

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Instrument :

MSVOA_D

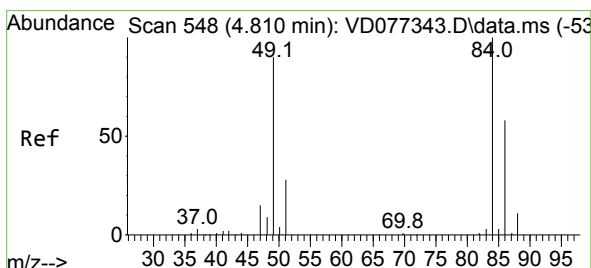
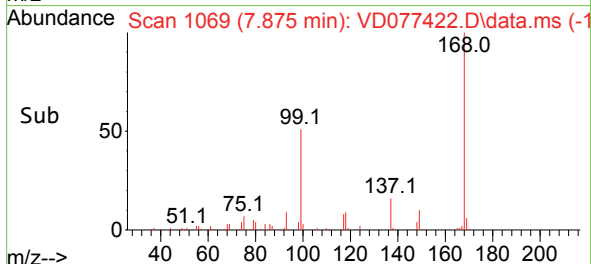
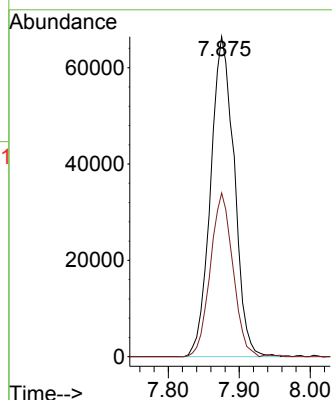
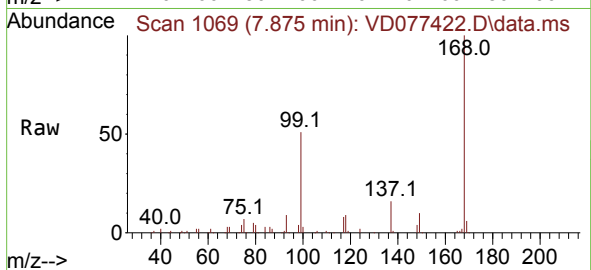
ClientSampleId :

Tgt Ion:168 Resp: 153409

Ion Ratio Lower Upper

168 100

99 51.1 36.7 55.1



#20

Methylene Chloride

Concen: 19.161 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD077422.D

Acq: 25 Oct 2023 18:51

Tgt Ion: 84 Resp: 40186

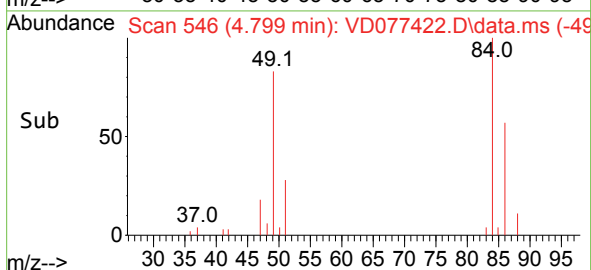
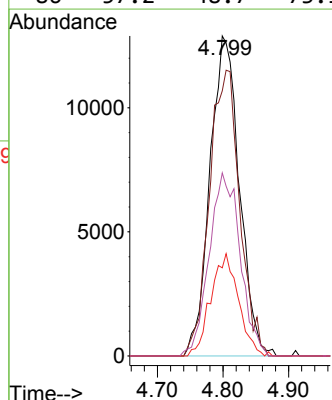
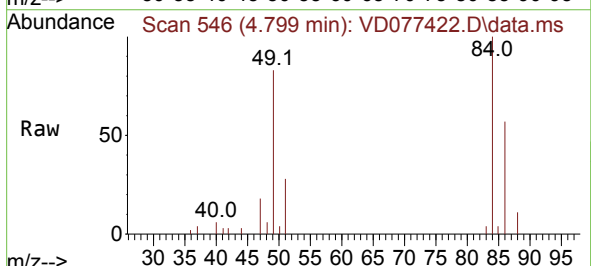
Ion Ratio Lower Upper

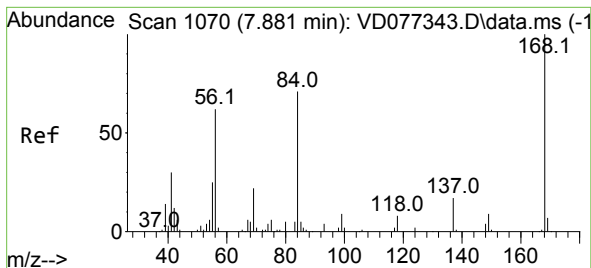
84 100

49 82.9 71.4 107.2

51 27.6 24.5 36.7

86 57.2 48.7 73.1





#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.869 min Scan# 1109

Delta R.T. -0.012 min

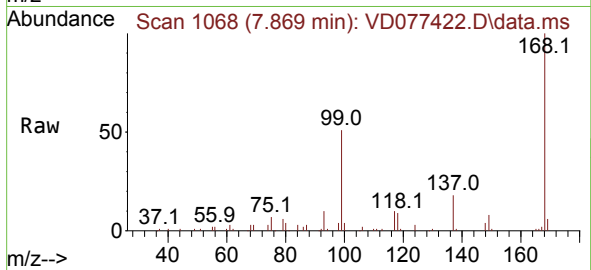
Lab File: VD077422.D

Acq: 25 Oct 2023 18:51

Instrument :

MSVOA_D

ClientSampleId :



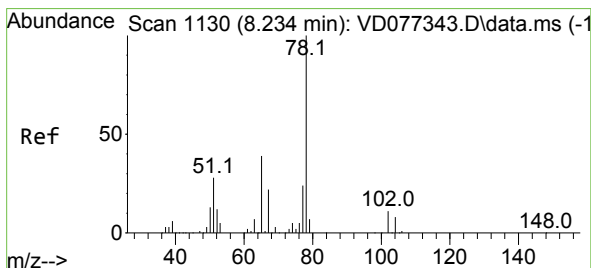
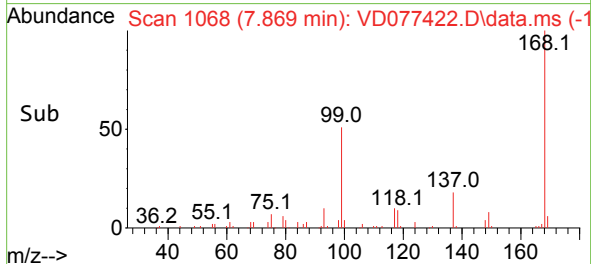
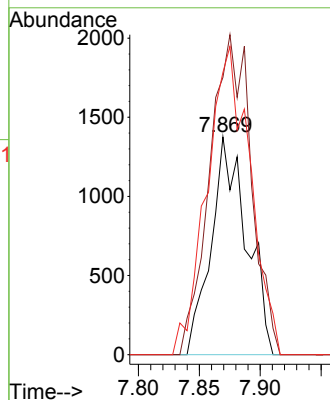
Tgt Ion: 56 Resp: 2797

Ion Ratio Lower Upper

56 100

69 127.3 28.6 43.0#

84 129.6 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 44.254 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077422.D

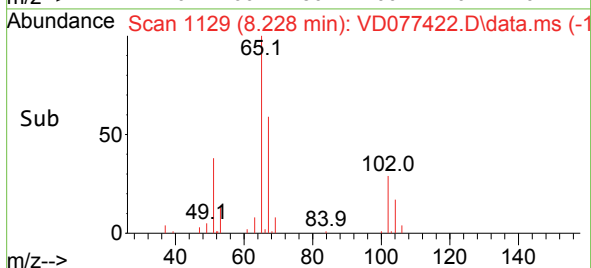
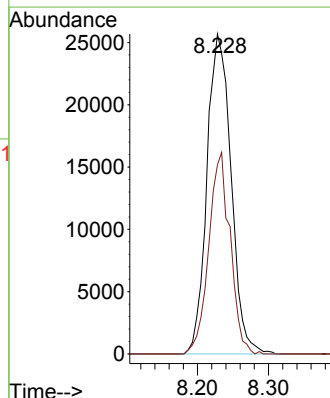
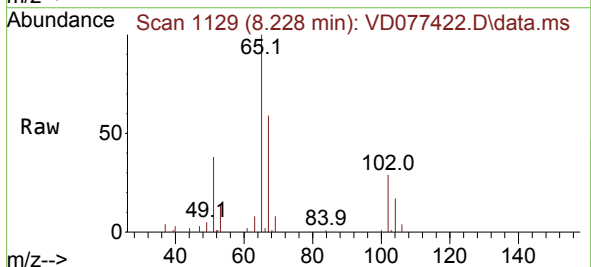
Acq: 25 Oct 2023 18:51

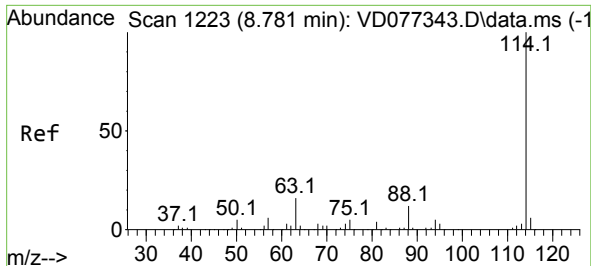
Tgt Ion: 65 Resp: 60622

Ion Ratio Lower Upper

65 100

67 55.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077422.D

Acq: 25 Oct 2023 18:51

Instrument :

MSVOA_D

ClientSampleId :

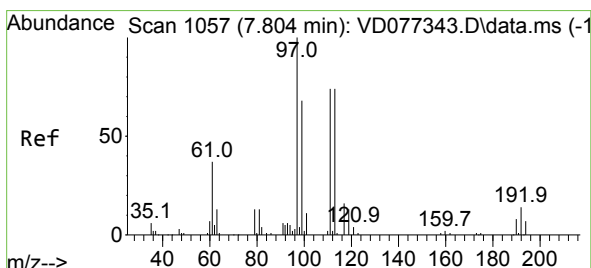
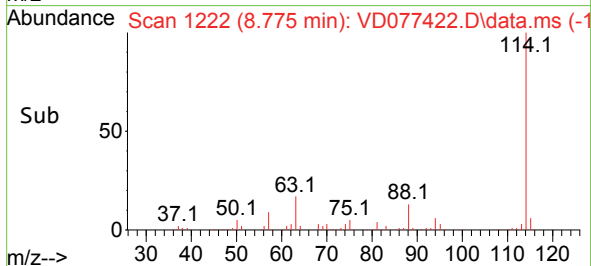
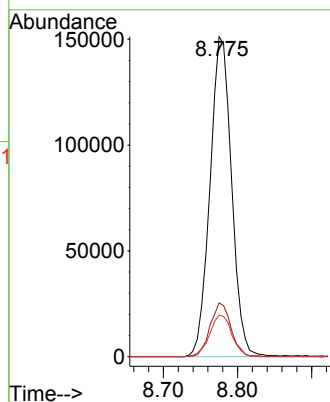
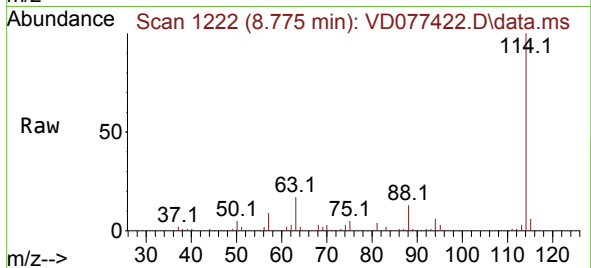
Tgt Ion:114 Resp: 305999

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 36.082 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.005 min

Lab File: VD077422.D

Acq: 25 Oct 2023 18:51

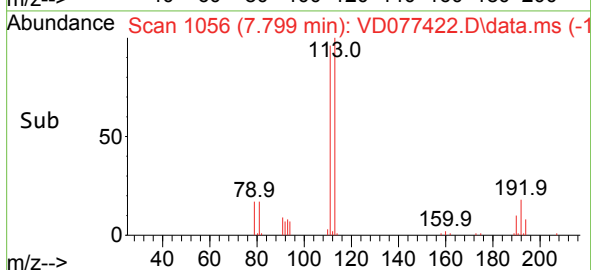
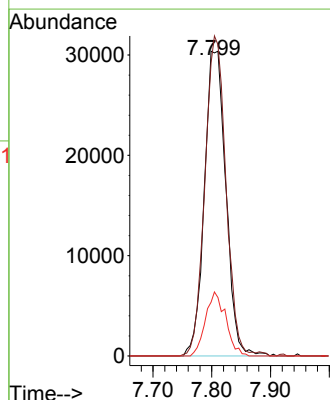
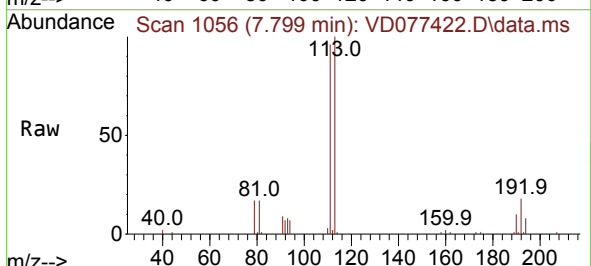
Tgt Ion:113 Resp: 77568

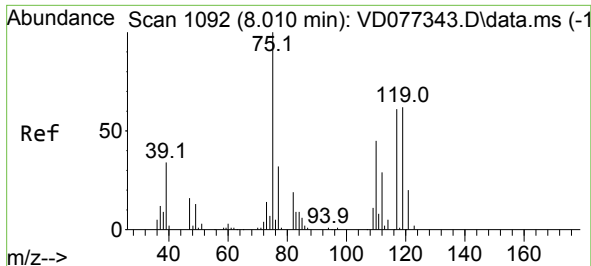
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 19.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.896 ug/l

RT: 7.881 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VD077422.D

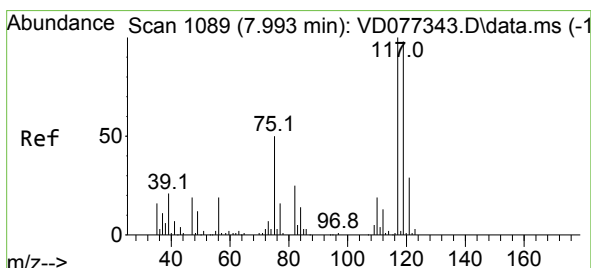
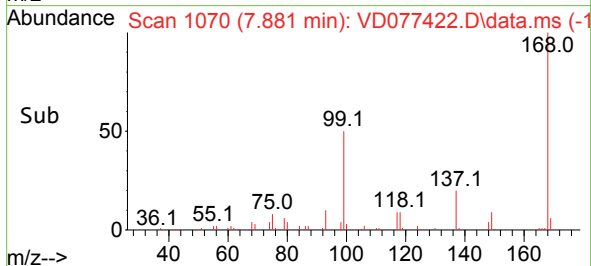
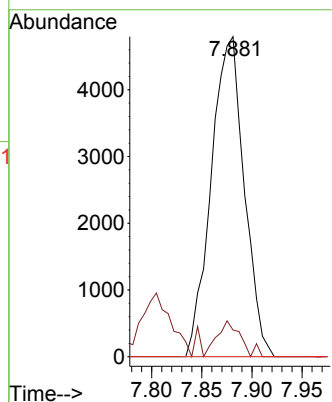
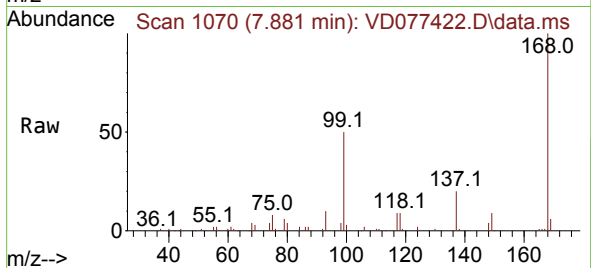
Acq: 25 Oct 2023 18:51

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 11006
Ion Ratio	Lower Upper
75	100
110	8.1 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.363 ug/l

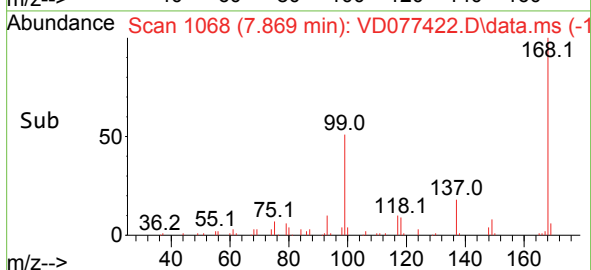
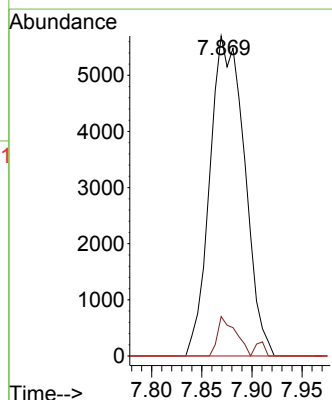
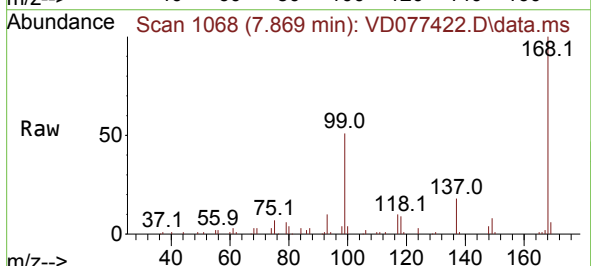
RT: 7.869 min Scan# 1068

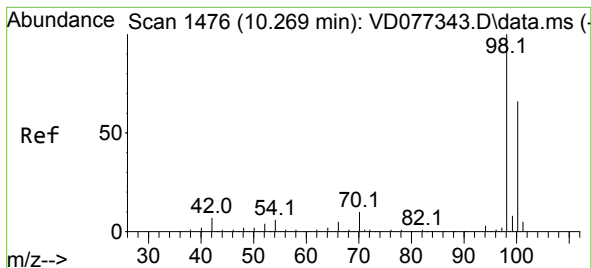
Delta R.T. -0.124 min

Lab File: VD077422.D

Acq: 25 Oct 2023 18:51

Tgt Ion: 117	Resp: 13709
Ion Ratio	Lower Upper
117	100
119	12.3 78.0 117.0#
121	0.0 24.2 36.2#

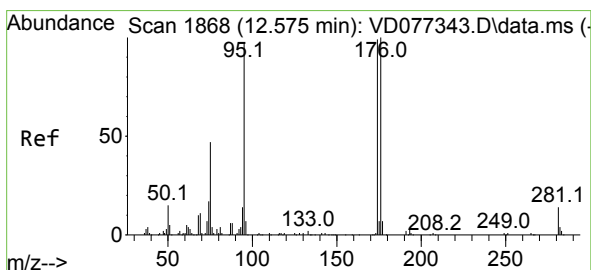
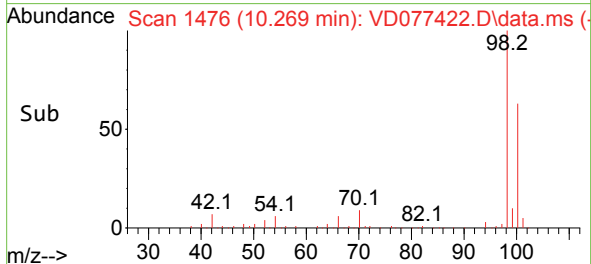
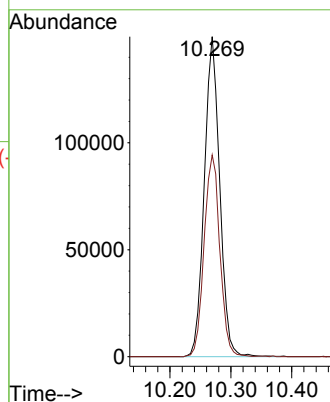
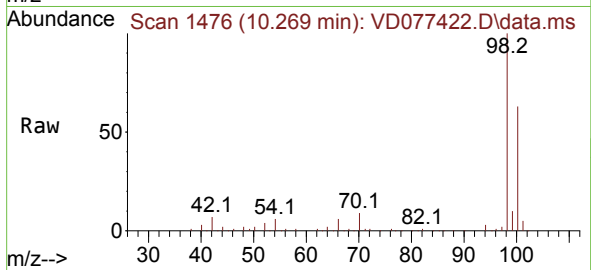




#50
Toluene-d8
Concen: 34.164 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077422.D
Acq: 25 Oct 2023 18:51

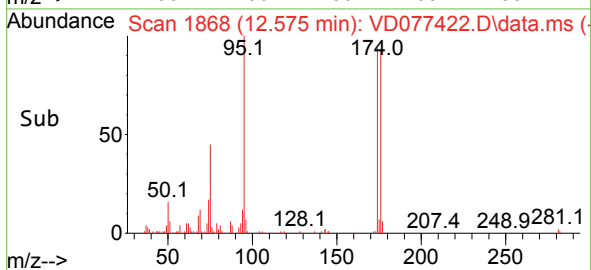
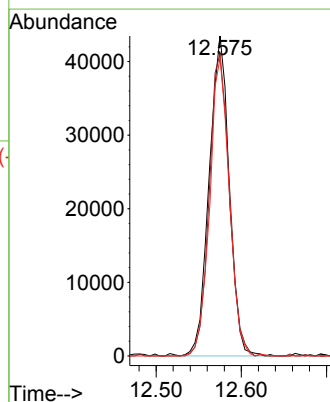
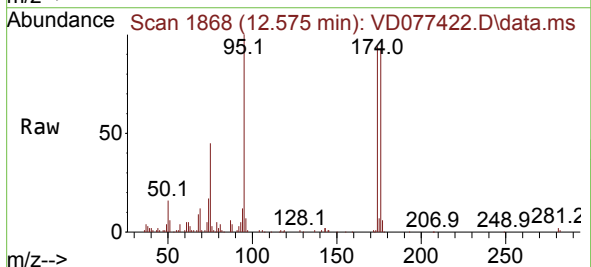
Instrument :
MSVOA_D
ClientSampleId :

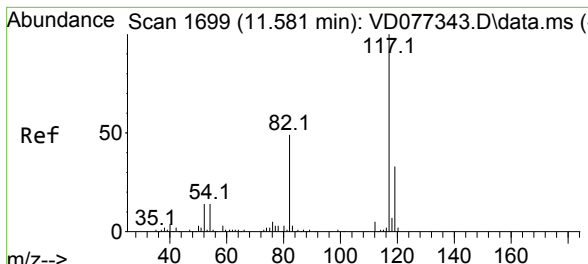
Tgt Ion: 98 Resp: 263028
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 32.082 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077422.D
Acq: 25 Oct 2023 18:51

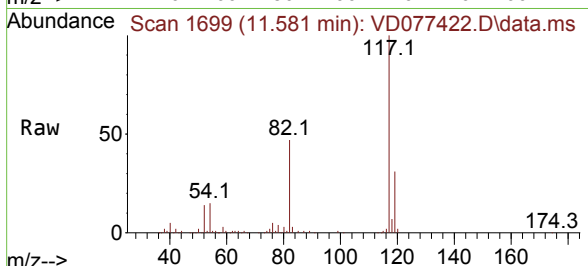
Tgt Ion: 95 Resp: 71100
Ion Ratio Lower Upper
95 100
174 95.4 0.0 201.8
176 90.7 0.0 191.8



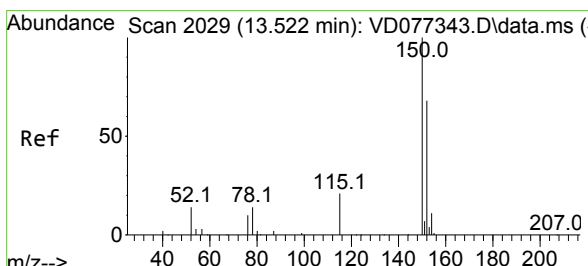
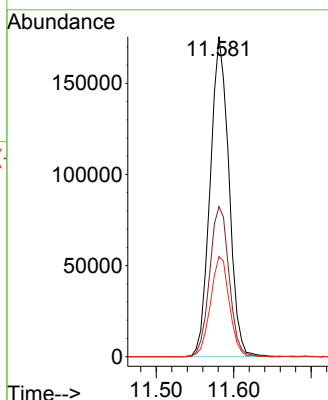
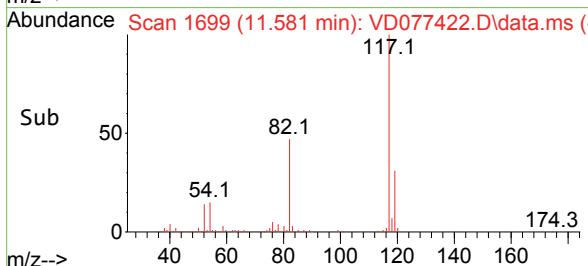


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077422.D
Acq: 25 Oct 2023 18:51

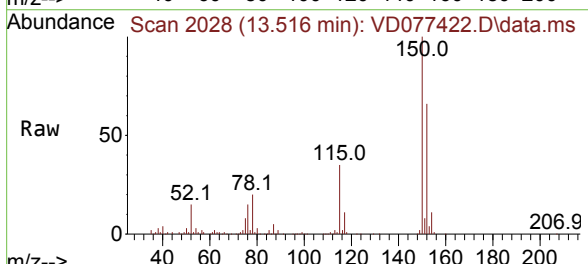
Instrument :
MSVOA_D
ClientSampleId :



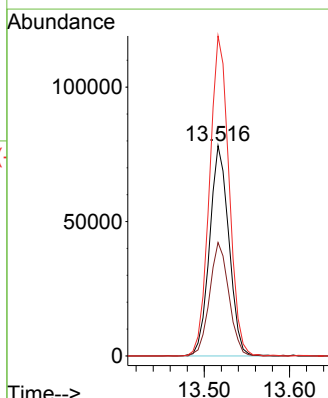
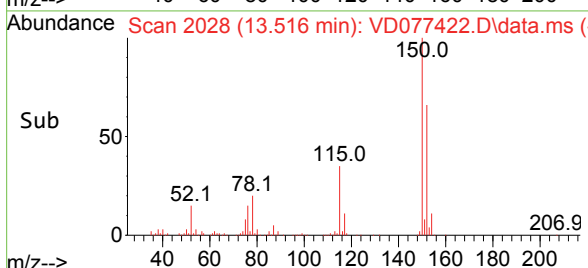
Tgt Ion:117	Resp: 295381
Ion Ratio	Lower Upper
117	100
82	46.9 38.3 57.5
119	31.4 25.0 37.4

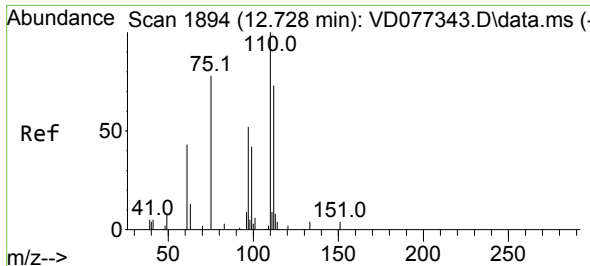


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077422.D
Acq: 25 Oct 2023 18:51



Tgt Ion:152	Resp: 123020
Ion Ratio	Lower Upper
152	100
115	53.9 27.1 81.3
150	153.3 0.0 353.6

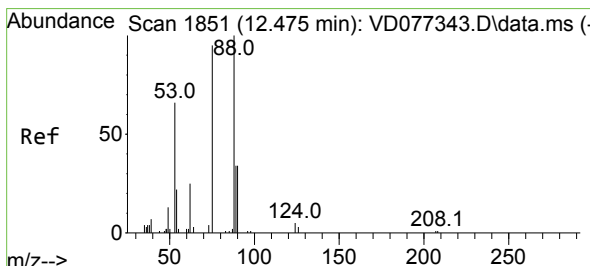
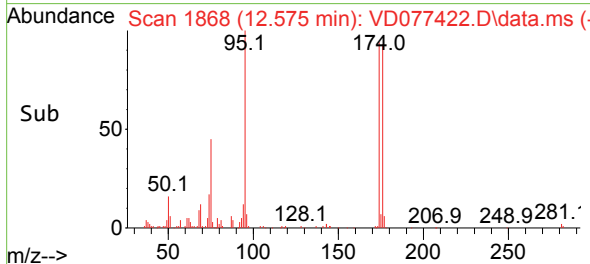
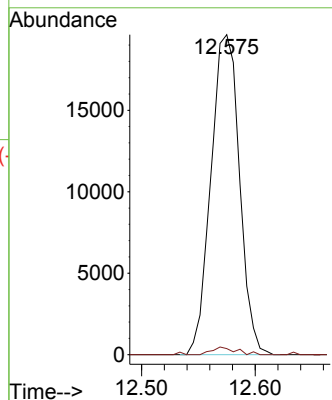
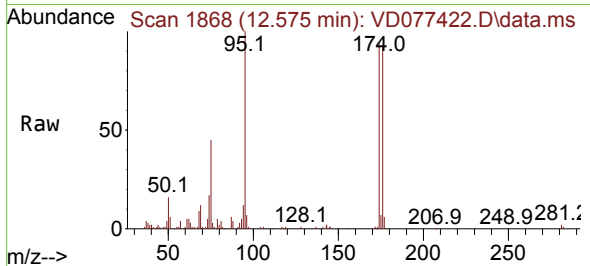




#76
1,2,3-Trichloropropane
Concen: 22.165 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077422.D
Acq: 25 Oct 2023 18:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34324
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.762 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077422.D
Acq: 25 Oct 2023 18:51

Tgt Ion: 75 Resp: 34324
Ion Ratio Lower Upper
75 100
53 0.4 63.0 94.4#
89 0.0 37.9 56.9#

