

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077369.D
 Acq On : 20 Oct 2023 17:19
 Operator : JC/SY
 Sample : 04977-02
 Misc : 6.48G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:31:18 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)

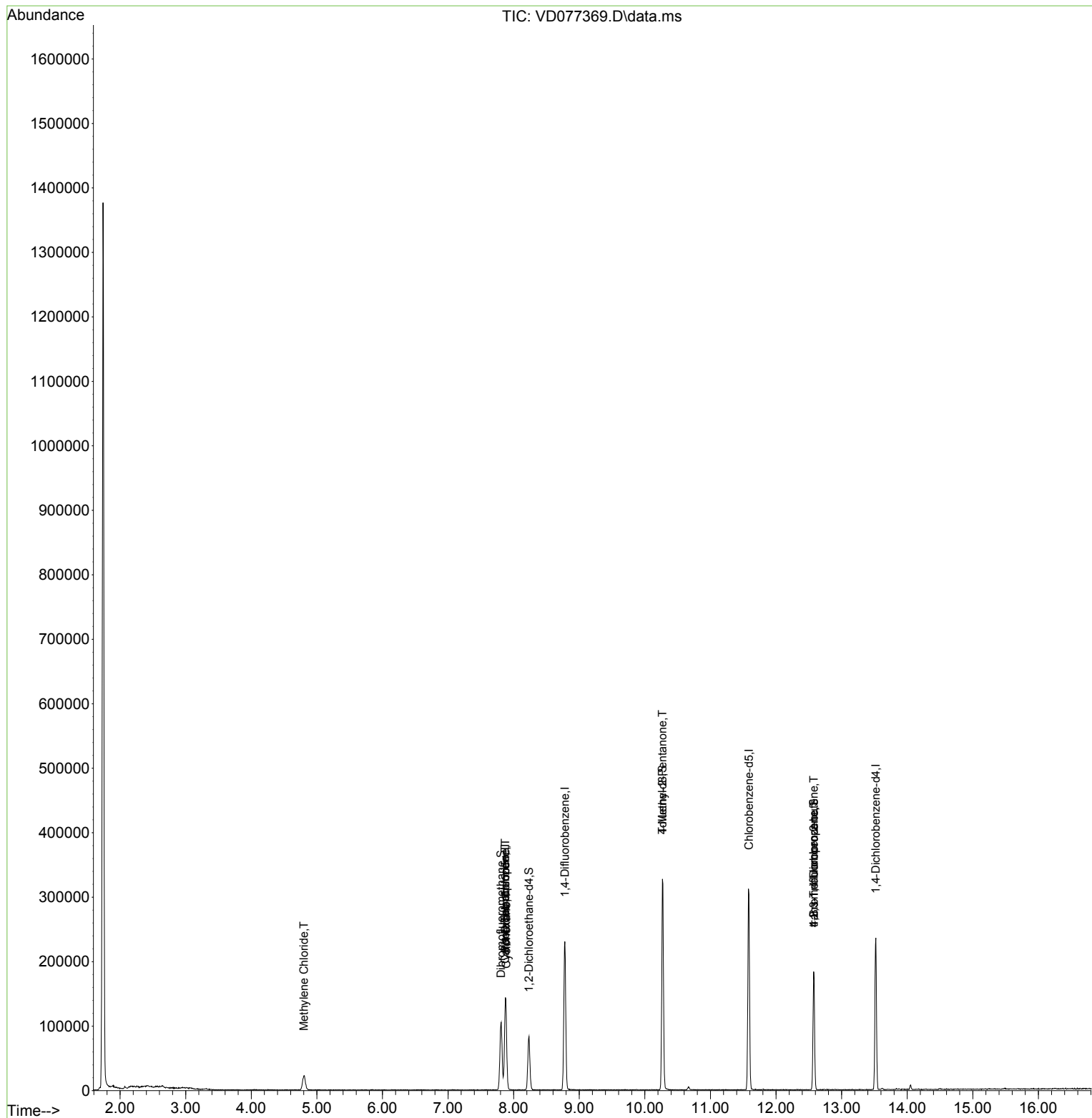
Internal Standards						
1) Pentafluorobenzene	7.875	168	113125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	217951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	197571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62703	62.074	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.140%	
35) Dibromofluoromethane	7.810	113	76200	49.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.269	98	235098	42.872	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.740%	
62) 4-Bromofluorobenzene	12.575	95	54715	34.662	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.320%	
Target Compounds						Qvalue
20) Methylene Chloride	4.805	84	18652	10.106	ug/l	94
31) Cyclohexane	7.887	56	2263	1.440	ug/l #	73
36) 1,1-Dichloropropene	7.875	75	8515	4.232	ug/l #	46
38) Carbon Tetrachloride	7.869	117	11690	5.223	ug/l #	11
51) 4-Methyl-2-Pentanone	10.269	43	637	1.117	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	27094	31.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27094	110.054	ug/l #	17

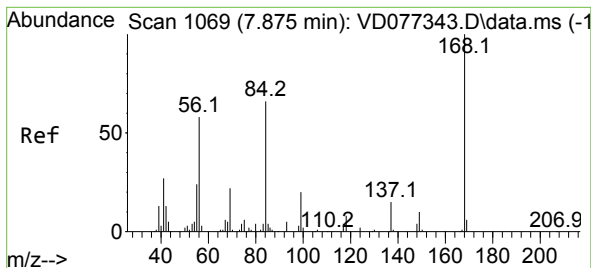
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. 0.000 min

Lab File: VD077369.D

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Instrument :

MSVOA_D

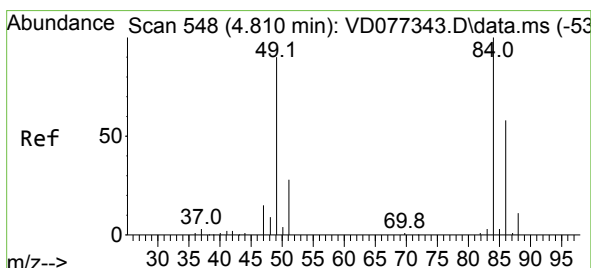
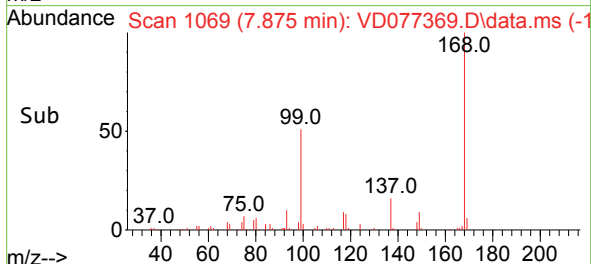
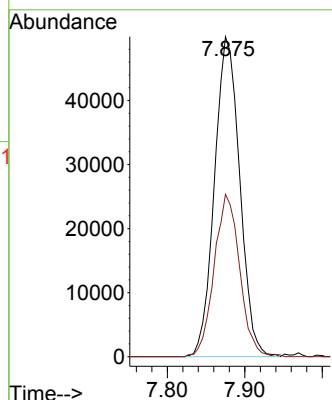
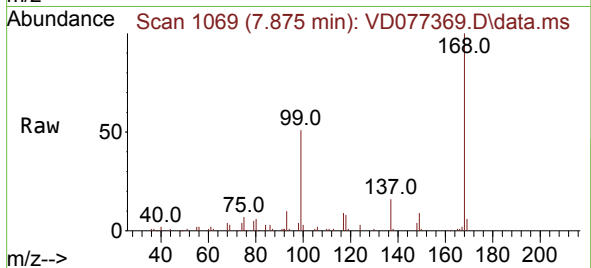
ClientSampleId :

Tgt Ion:168 Resp: 113125

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#20

Methylene Chloride

Concen: 10.106 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.005 min

Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

Tgt Ion: 84 Resp: 18652

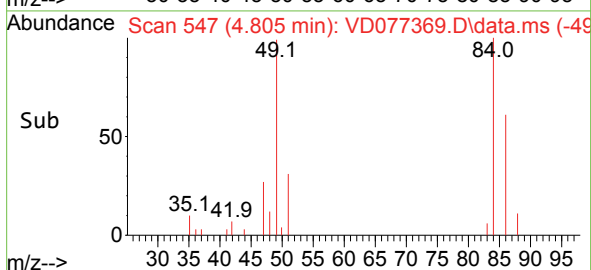
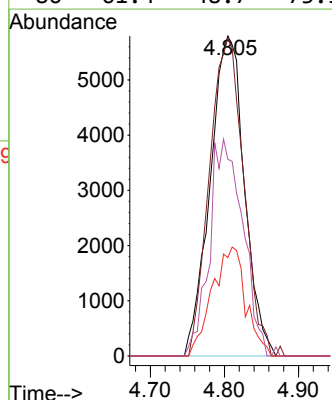
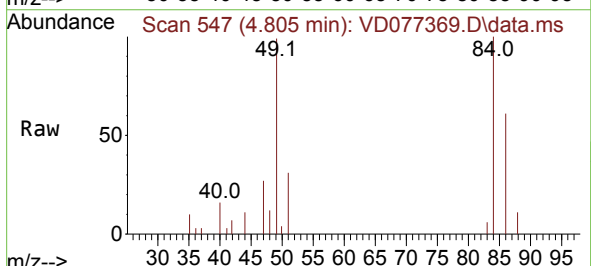
Ion Ratio Lower Upper

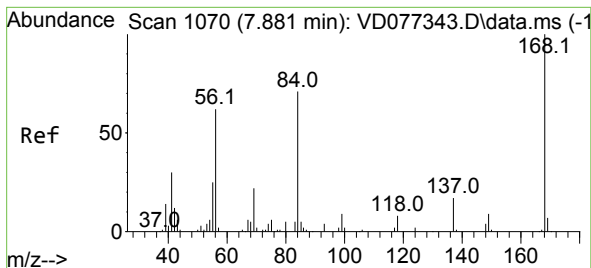
84 100

49 99.4 71.4 107.2

51 30.8 24.5 36.7

86 61.4 48.7 73.1





#31

Cyclohexane

Concen: 1.440 ug/l

RT: 7.887 min Scan# 1070

Delta R.T. 0.006 min

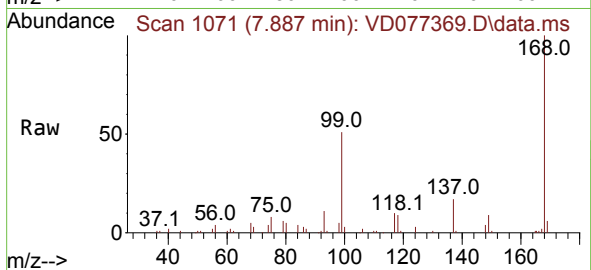
Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

Instrument :

MSVOA_D

ClientSampleId :



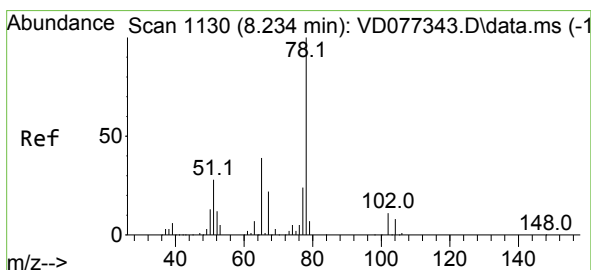
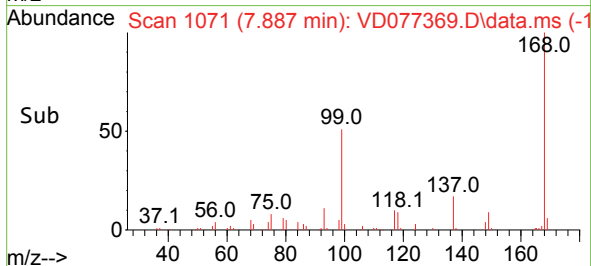
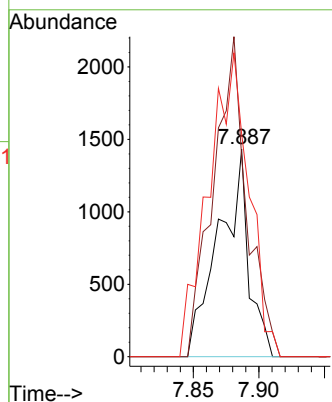
Tgt Ion: 56 Resp: 2263

Ion Ratio Lower Upper

56 100

69 96.4 28.6 43.0#

84 107.3 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 62.074 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077369.D

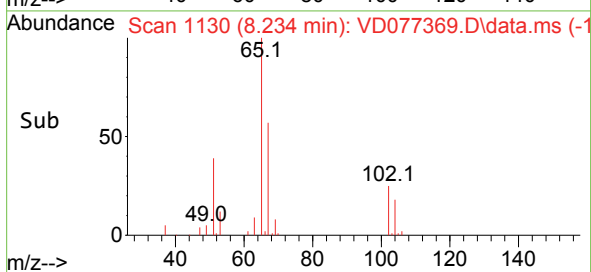
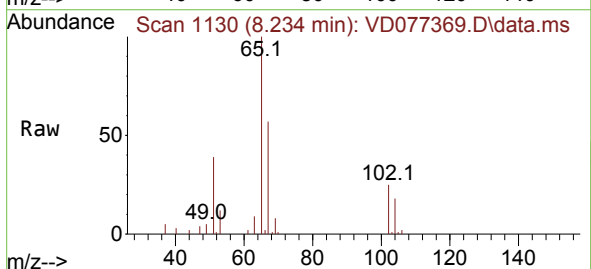
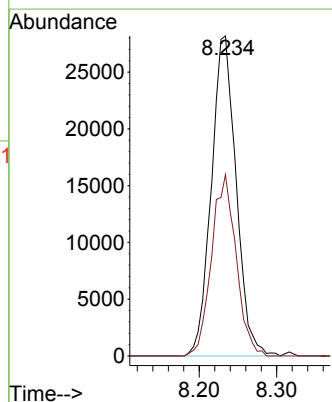
Acq: 20 Oct 2023 17:19

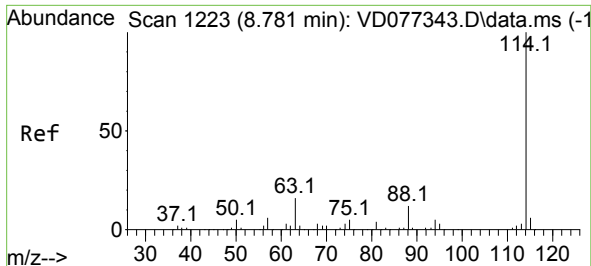
Tgt Ion: 65 Resp: 62703

Ion Ratio Lower Upper

65 100

67 56.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

Instrument :

MSVOA_D

ClientSampleId :

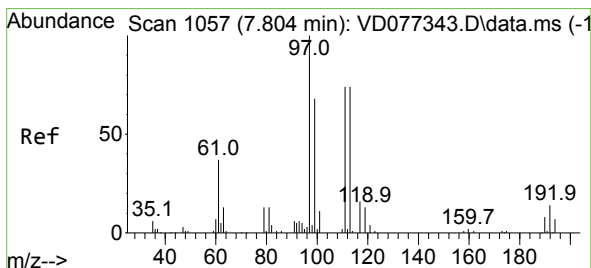
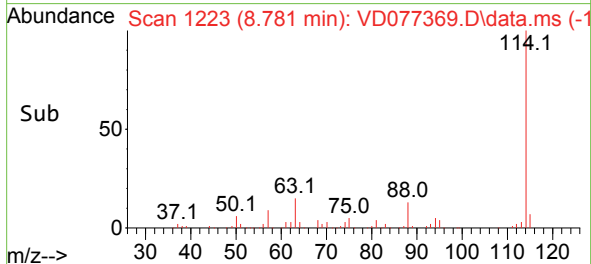
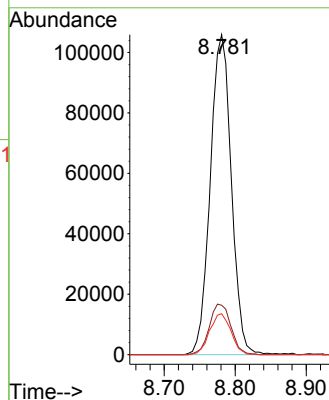
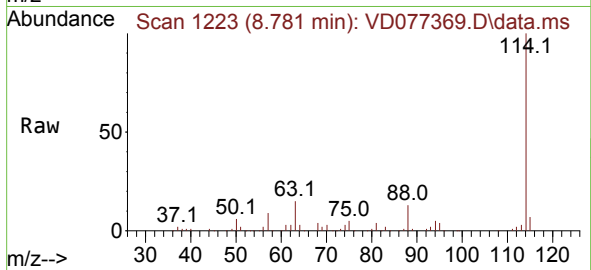
Tgt Ion:114 Resp: 217951

Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.4

88 12.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.765 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

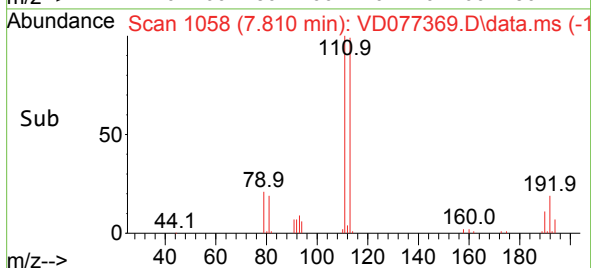
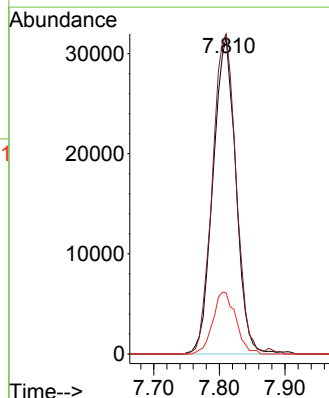
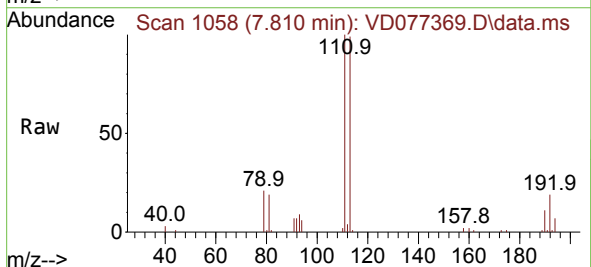
Tgt Ion:113 Resp: 76200

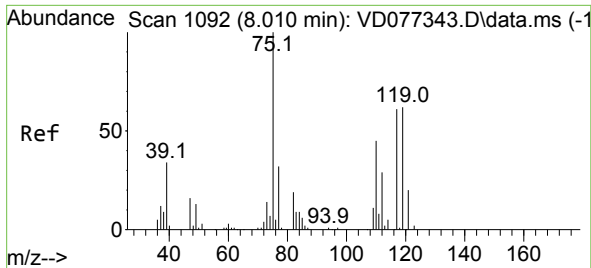
Ion Ratio Lower Upper

113 100

111 104.5 84.7 127.1

192 19.7 16.8 25.2

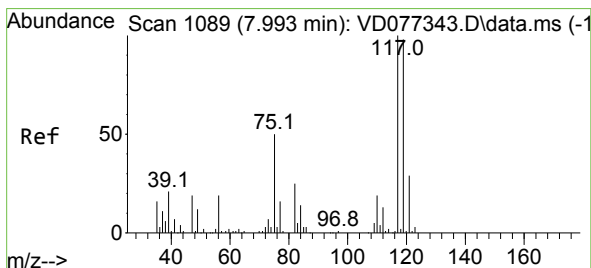
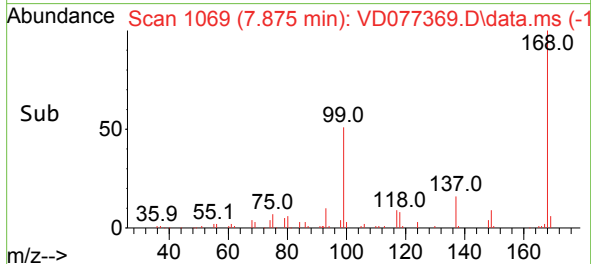
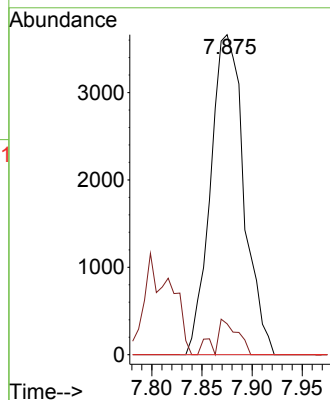
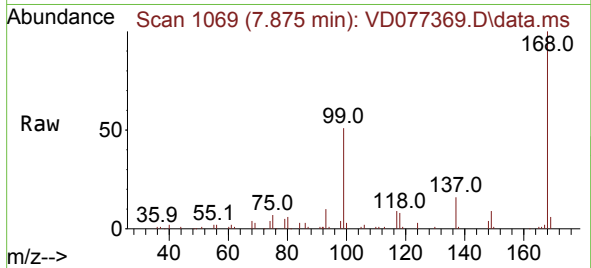




#36
1,1-Dichloropropene
Concen: 4.232 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

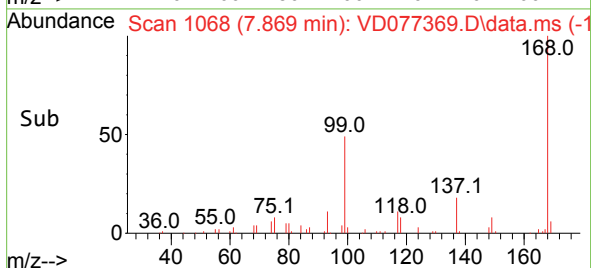
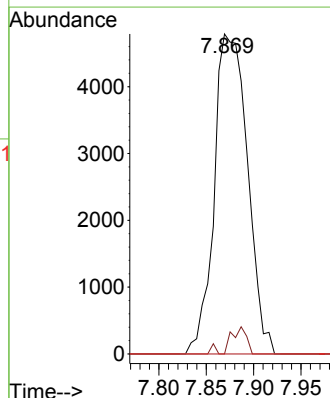
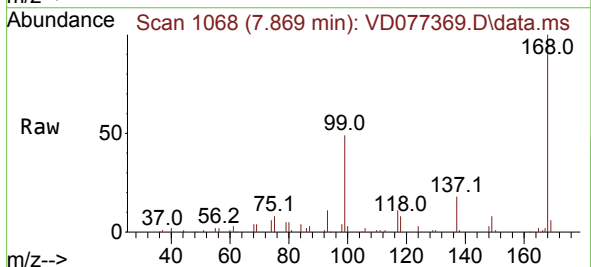
Instrument :
MSVOA_D
ClientSampleId :

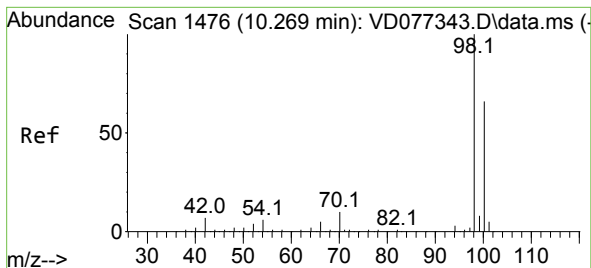
Tgt Ion: 75 Resp: 8515
Ion Ratio Lower Upper
75 100
110 7.5 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

Tgt Ion: 117 Resp: 11690
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 42.872 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

Instrument :

MSVOA_D

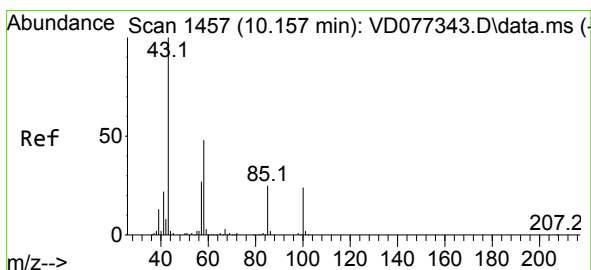
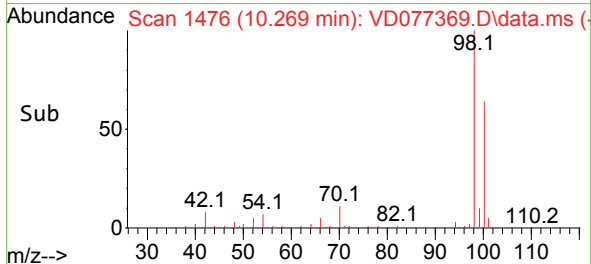
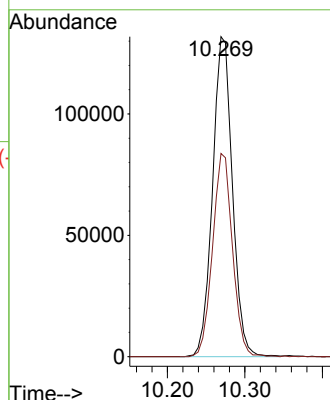
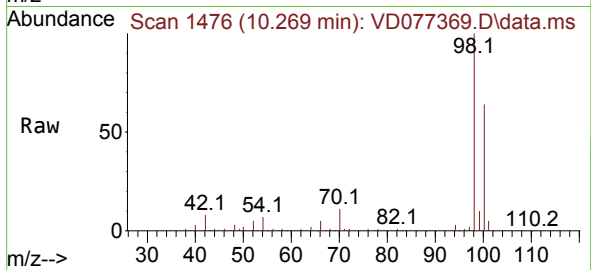
ClientSampleId :

Tgt Ion: 98 Resp: 235098

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 1.117 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD077369.D

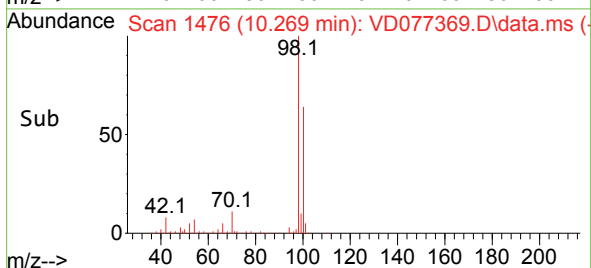
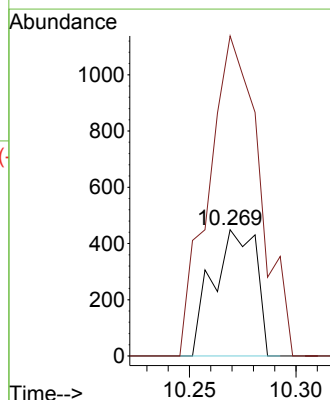
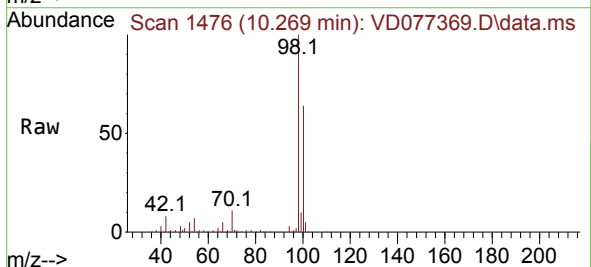
Acq: 20 Oct 2023 17:19

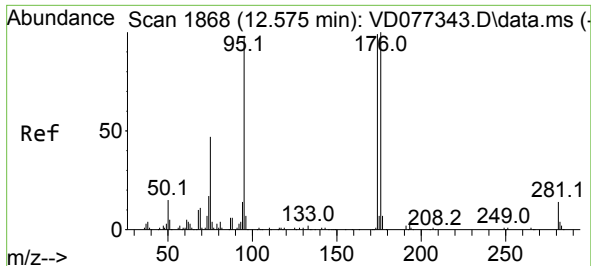
Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

58 297.0 38.9 58.3#

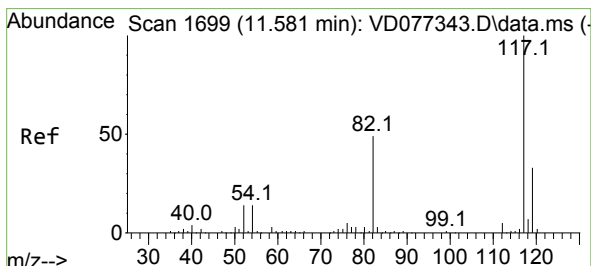
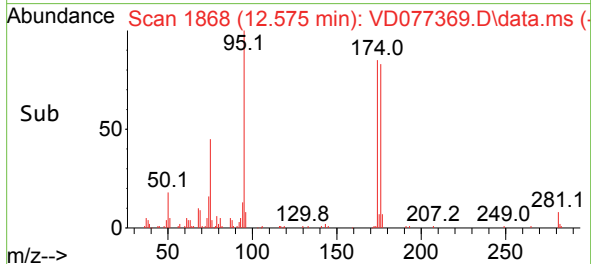
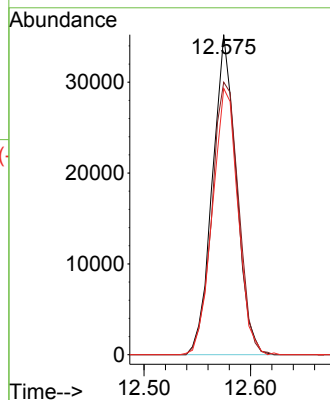
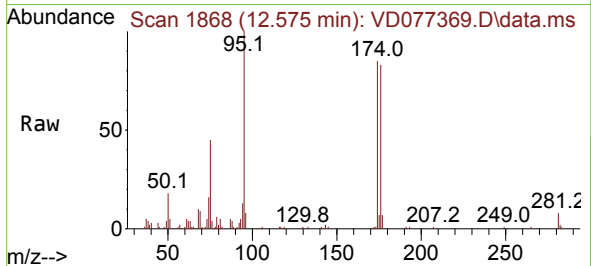




#62
4-Bromofluorobenzene
Concen: 34.662 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

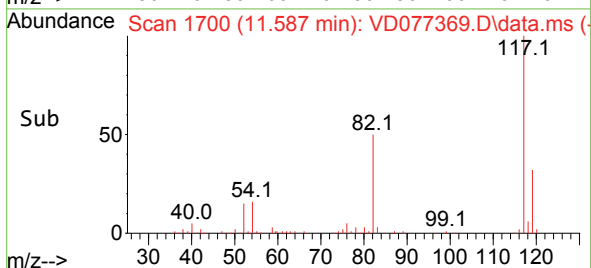
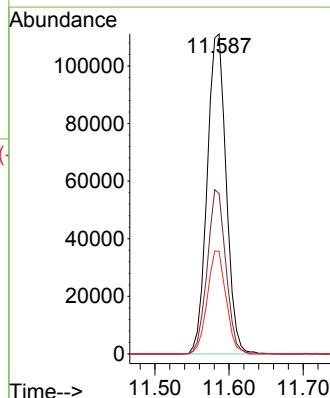
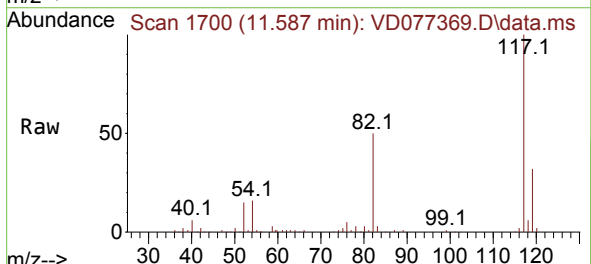
Instrument :
MSVOA_D
ClientSampleId :

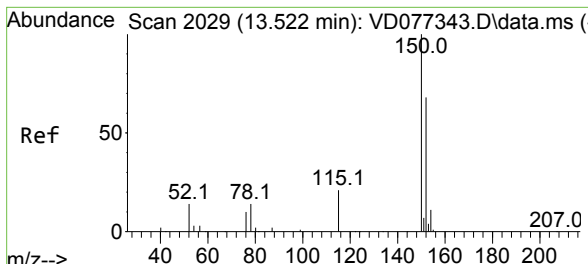
Tgt Ion:	95	Resp:	54715
Ion Ratio	Lower	Upper	
95	100		
174	95.0	0.0	201.8
176	89.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

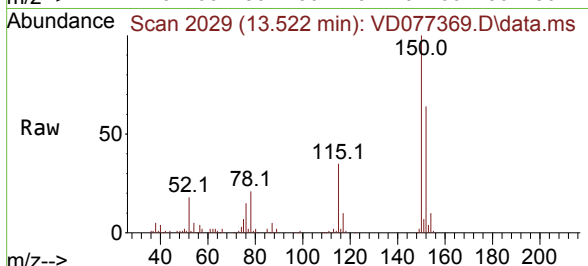
Tgt Ion:	117	Resp:	197571
Ion Ratio	Lower	Upper	
117	100		
82	50.1	38.3	57.5
119	32.1	25.0	37.4



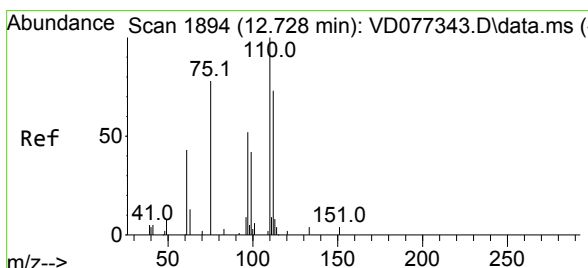
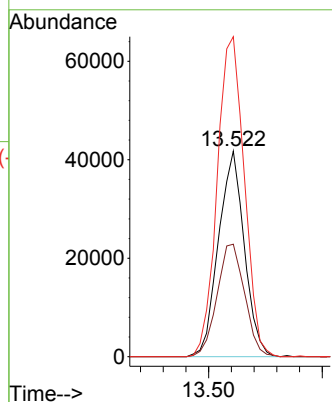
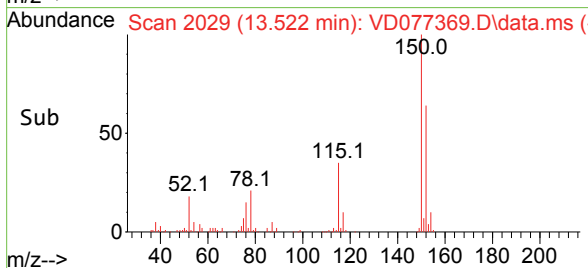


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077369.D
 Acq: 20 Oct 2023 17:19

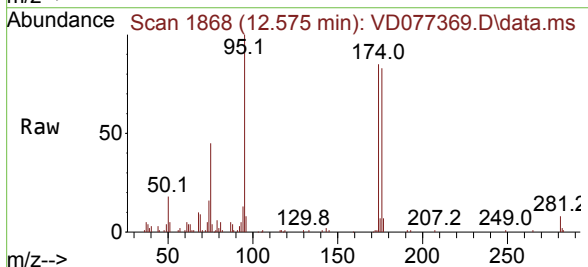
Instrument :
 MSVOA_D
 ClientSampleId :



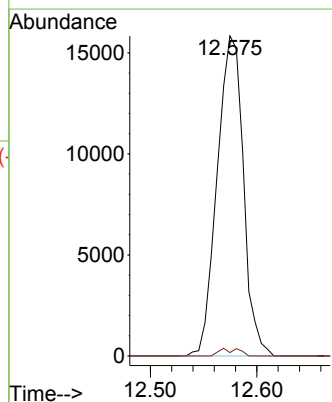
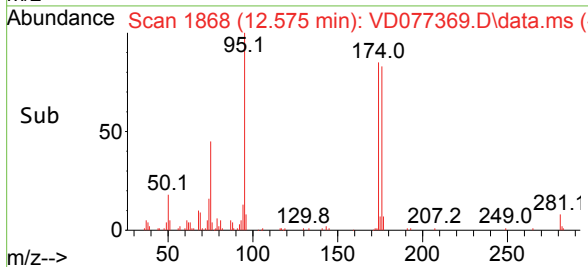
Tgt Ion:152 Resp: 65967
 Ion Ratio Lower Upper
 152 100
 115 58.4 27.1 81.3
 150 163.3 0.0 353.6

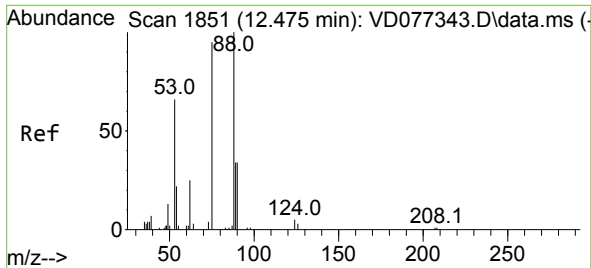


#76
 1,2,3-Trichloropropane
 Concen: 31.336 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077369.D
 Acq: 20 Oct 2023 17:19



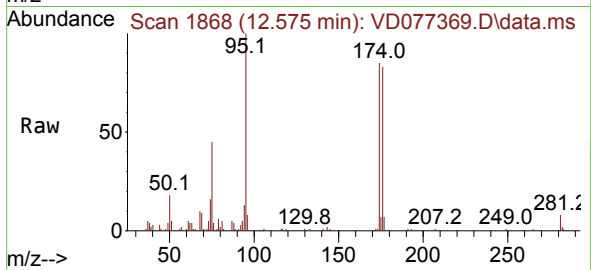
Tgt Ion: 75 Resp: 27094
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.054 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077369.D
 Acq: 20 Oct 2023 17:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	27094
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.3	37.9	56.9#

