

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077906.D
 Acq On : 15 Dec 2023 16:23
 Operator : RP/MD
 Sample : 05624-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

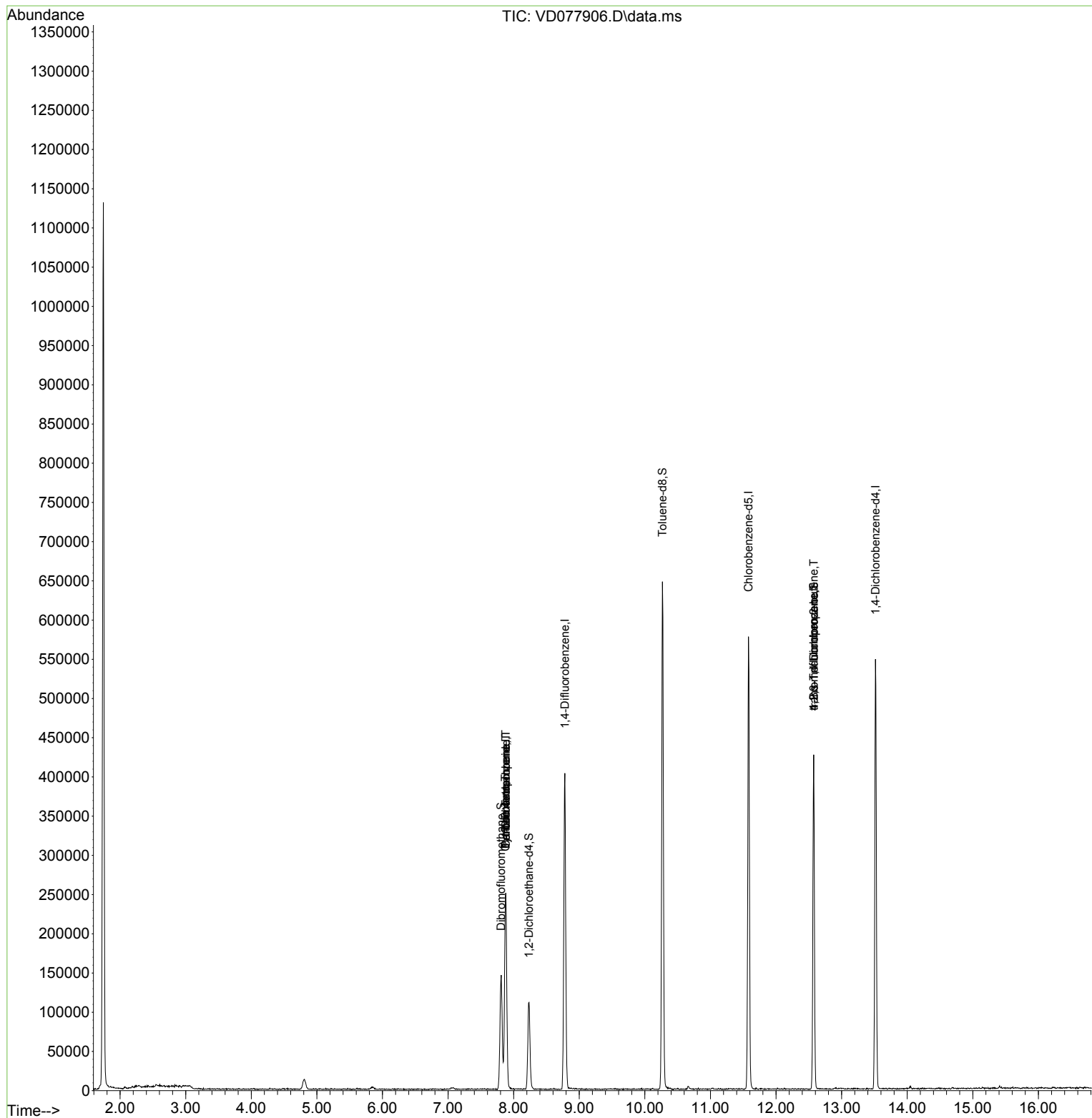
Internal Standards						
1) Pentafluorobenzene	7.881	168	200628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	356269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	332652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90424	38.249	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.500%
35) Dibromofluoromethane	7.810	113	105881	42.428	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.860%
50) Toluene-d8	10.269	98	451036	45.126	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.260%
62) 4-Bromofluorobenzene	12.575	95	127095	42.532	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.060%
Target Compounds						
11) Tert butyl alcohol	5.152	59	55	Below Cal	#	73
16) Acetone	3.999	43	193	Below Cal	#	32
20) Methylene Chloride	4.810	84	10815	Below Cal	#	84
25) 2-Butanone	7.128	43	64	Below Cal	#	37
31) Cyclohexane	7.875	56	4256	1.012	ug/l #	2
36) 1,1-Dichloropropene	7.881	75	16035	4.017	ug/l #	47
38) Carbon Tetrachloride	7.881	117	19664	4.941	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	67043	52.530	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67043	106.429	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	158	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.675	75	68	Below Cal	#	1

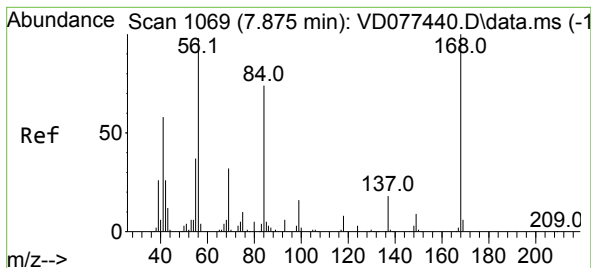
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 04:03:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077906.D

Acq: 15 Dec 2023 16:23

Instrument :

MSVOA_D

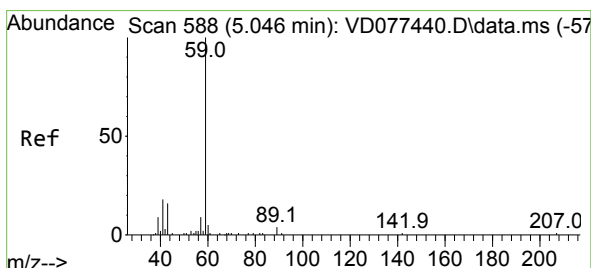
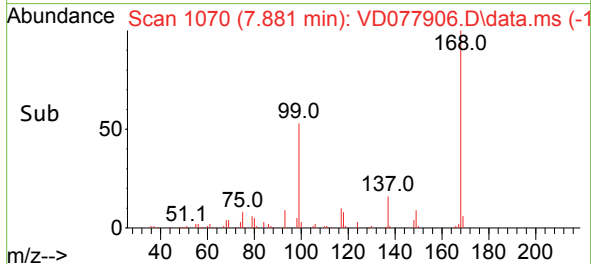
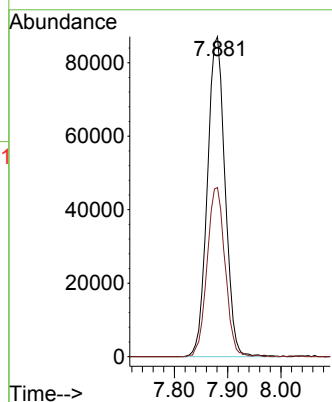
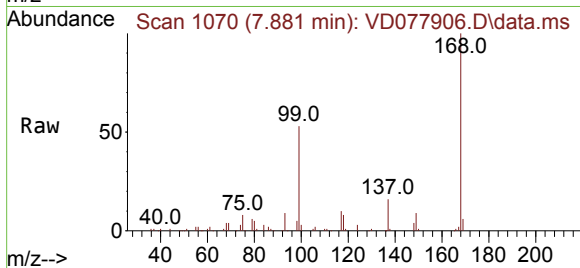
ClientSampleId :

Tgt Ion:168 Resp: 200628

Ion Ratio Lower Upper

168 100

99 52.9 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.152 min Scan# 606

Delta R.T. 0.106 min

Lab File: VD077906.D

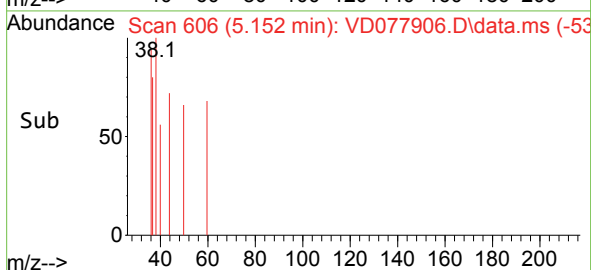
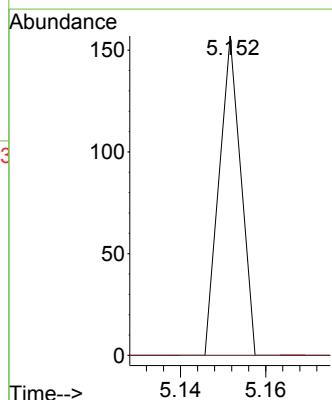
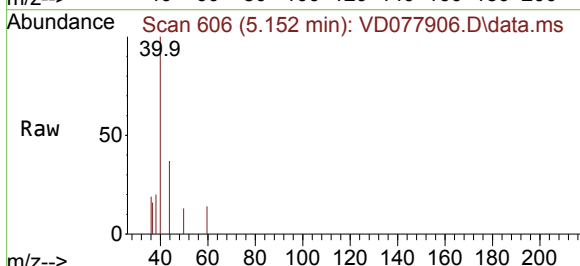
Acq: 15 Dec 2023 16:23

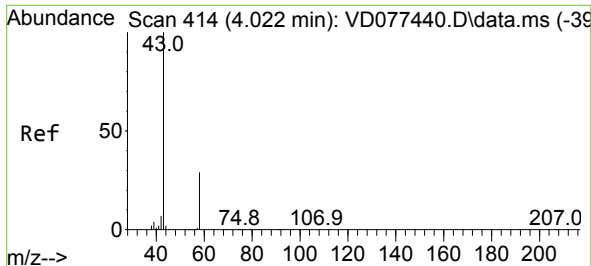
Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

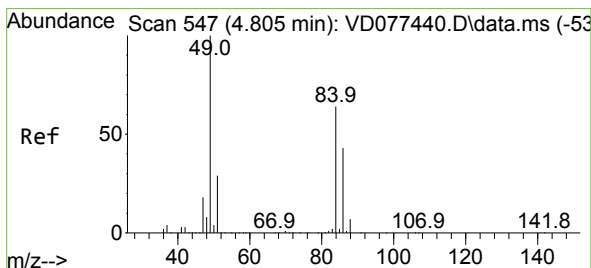
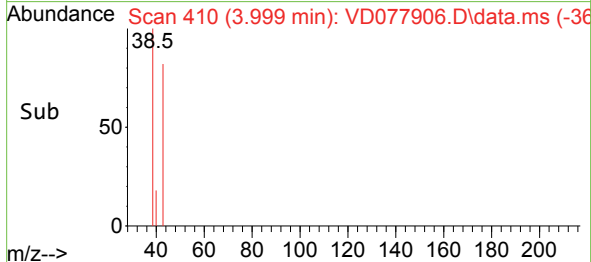
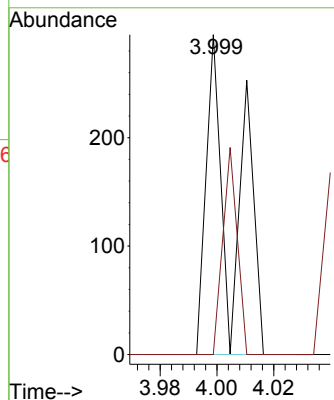
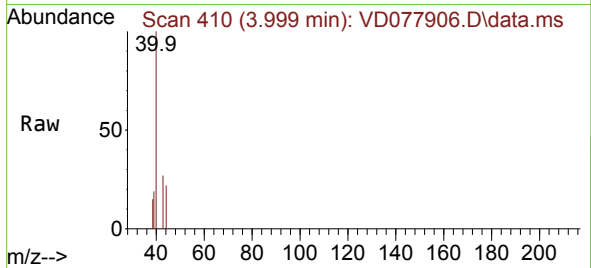




#16
Acetone
Concen: Below Cal
RT: 3.999 min Scan# 414
Delta R.T. -0.023 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

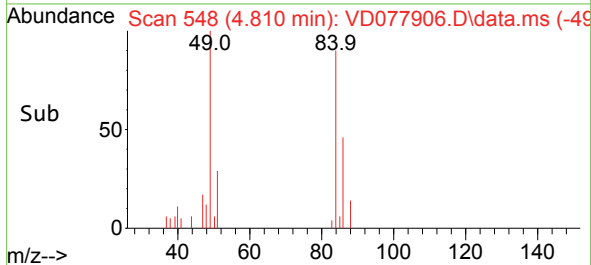
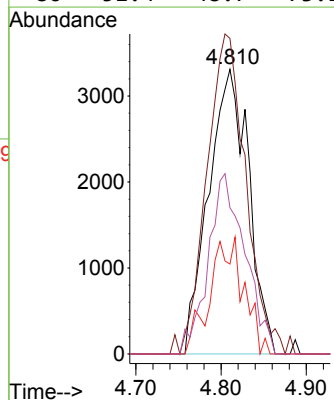
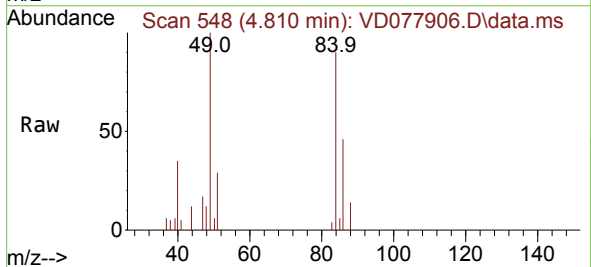
Instrument :
MSVOA_D
ClientSampleId :

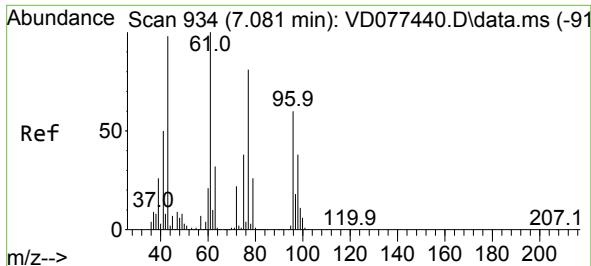
Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

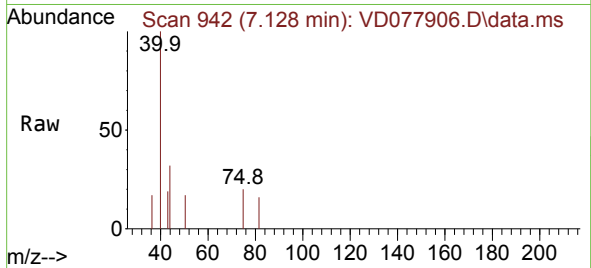
Tgt Ion: 84 Resp: 10815
Ion Ratio Lower Upper
84 100
49 110.8 71.4 107.2#
51 31.6 24.5 36.7
86 51.4 48.7 73.1



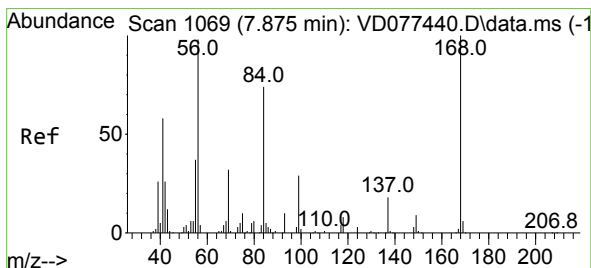
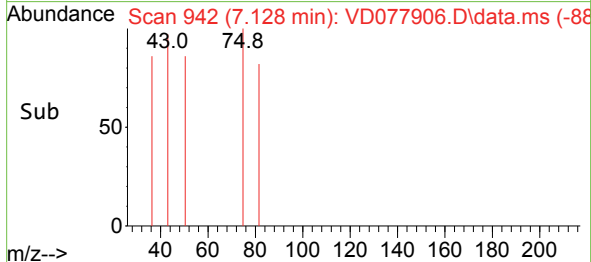
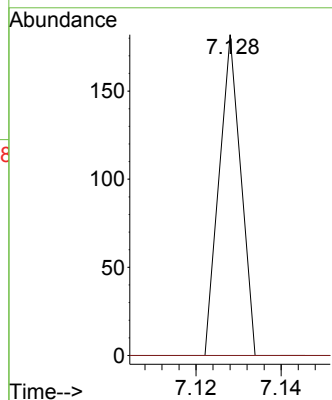


#25
2-Butanone
Concen: Below Cal
RT: 7.128 min Scan# 94
Delta R.T. 0.047 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

Instrument :
MSVOA_D
ClientSampleId :

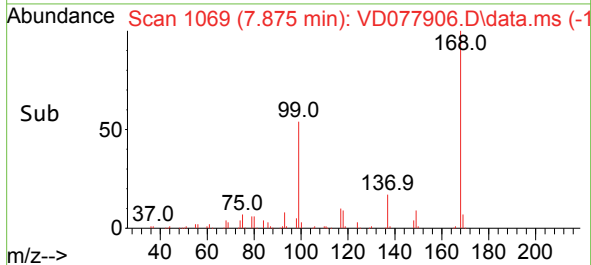
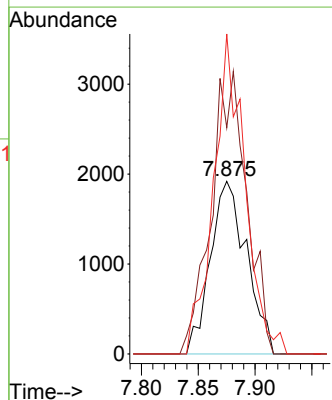
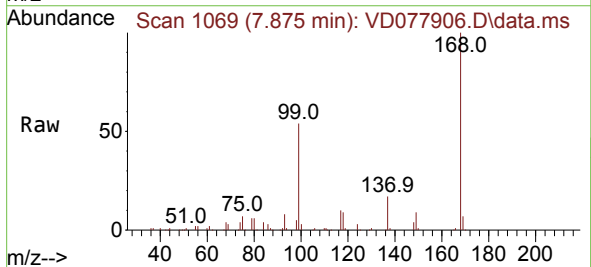


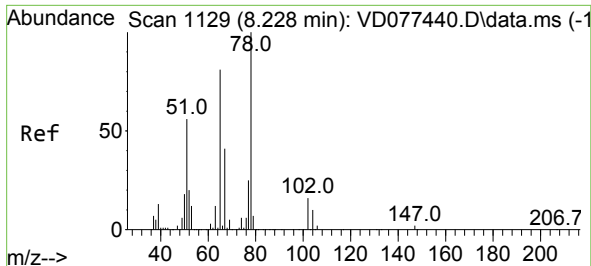
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

Tgt Ion: 56 Resp: 4256
Ion Ratio Lower Upper
56 100
69 131.0 28.6 43.0#
84 185.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 38.249 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077906.D

Acq: 15 Dec 2023 16:23

Instrument :

MSVOA_D

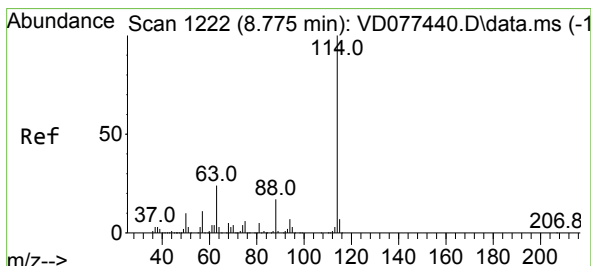
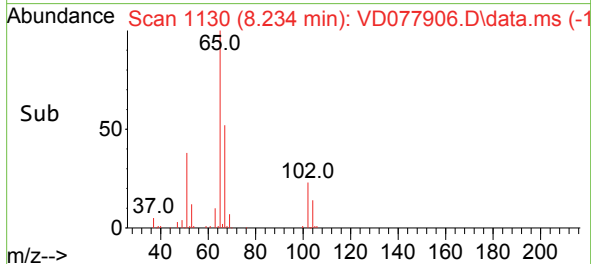
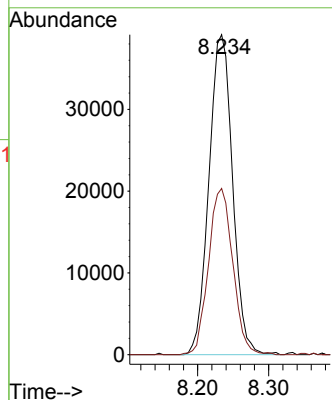
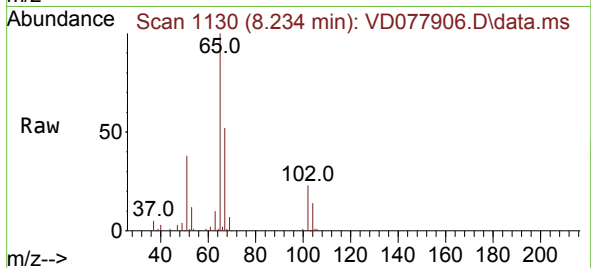
ClientSampleId :

Tgt Ion: 65 Resp: 90424

Ion Ratio Lower Upper

65 100

67 53.5 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: VD077906.D

Acq: 15 Dec 2023 16:23

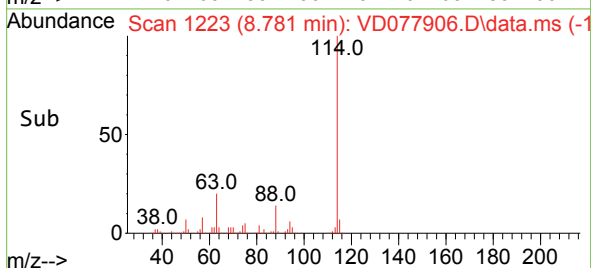
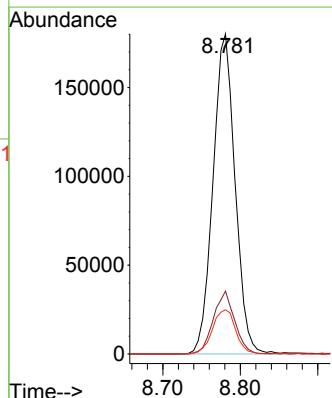
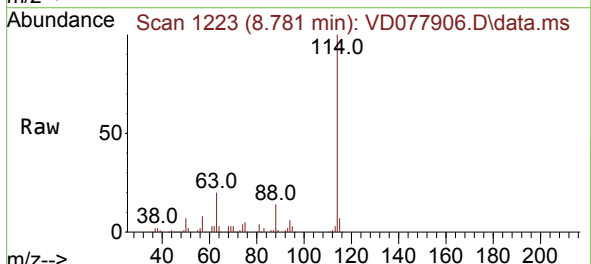
Tgt Ion: 114 Resp: 356269

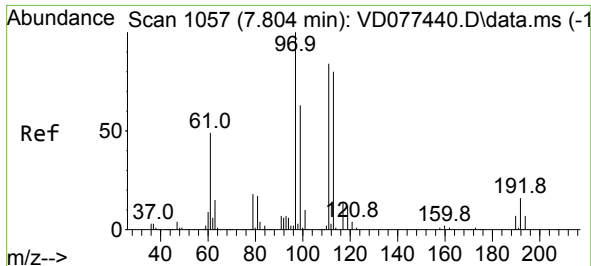
Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

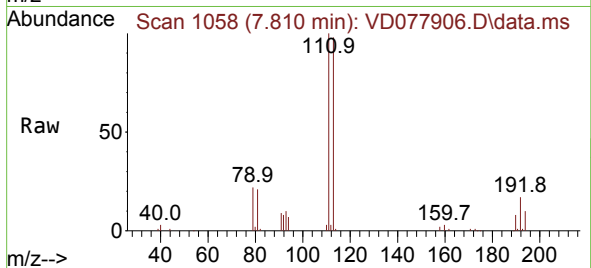
88 13.8 0.0 26.2



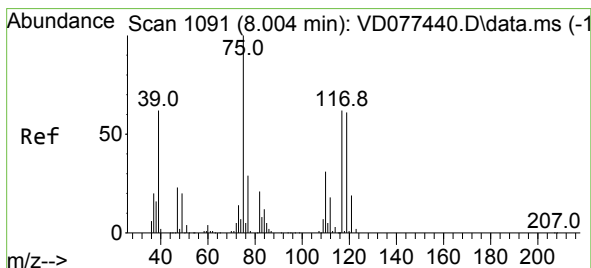
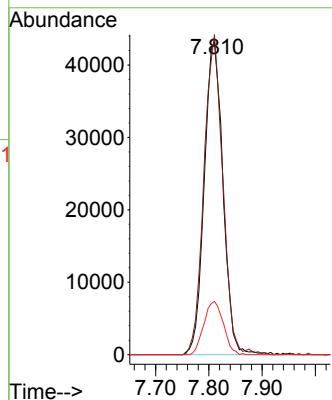
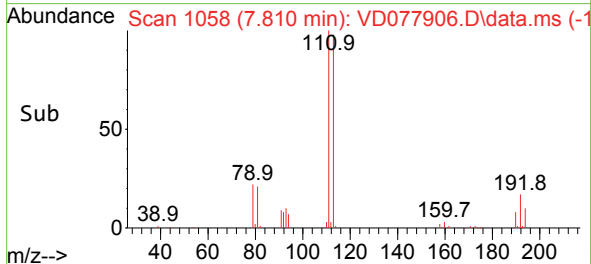


#35
Dibromofluoromethane
Concen: 42.428 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

Instrument :
MSVOA_D
ClientSampleId :

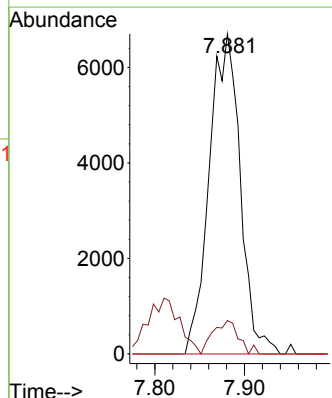
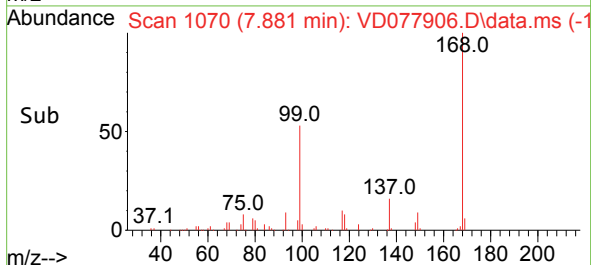
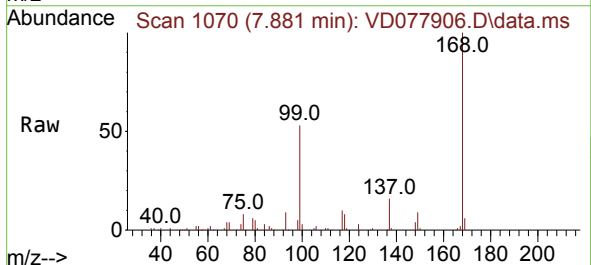


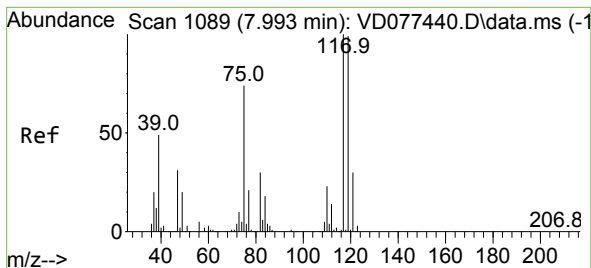
Tgt Ion:113 Resp: 105881
Ion Ratio Lower Upper
113 100
111 101.9 84.7 127.1
192 17.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

Tgt Ion: 75 Resp: 16035
Ion Ratio Lower Upper
75 100
110 8.6 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.941 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

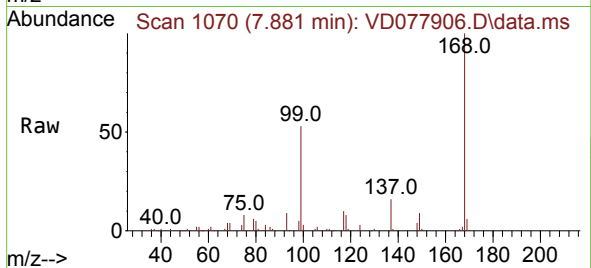
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Acq: 15 Dec 2023 16:23

Instrument :

MSVOA_D

ClientSampleId :



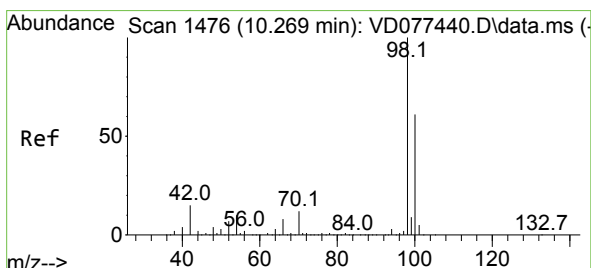
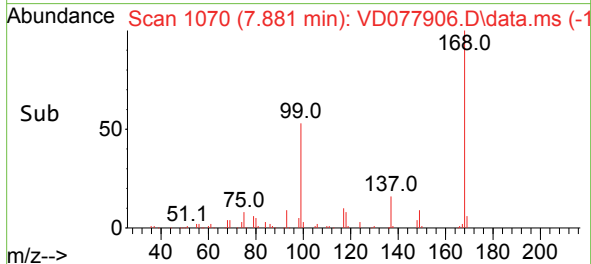
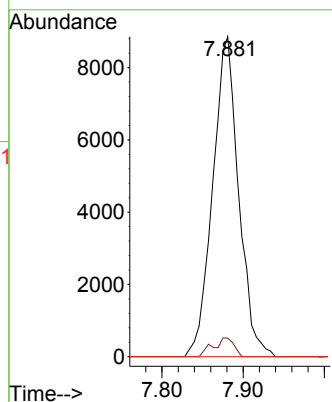
Tgt Ion:117 Resp: 19664

Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.126 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077906.D

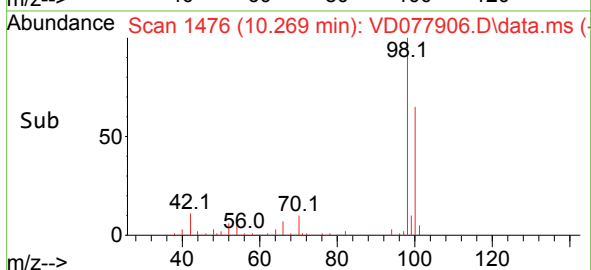
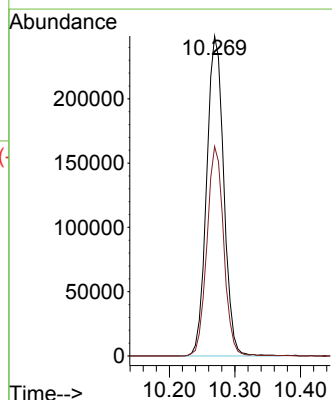
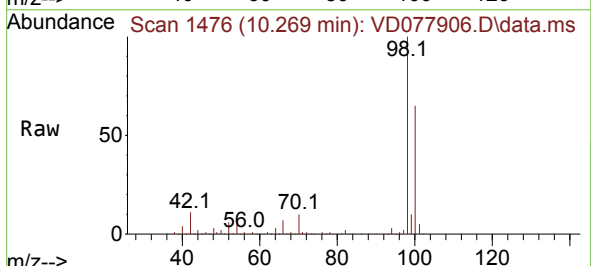
Acq: 15 Dec 2023 16:23

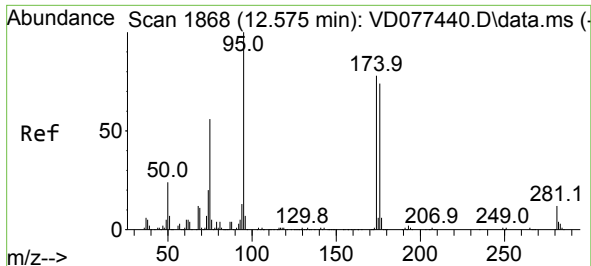
Tgt Ion: 98 Resp: 451036

Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5

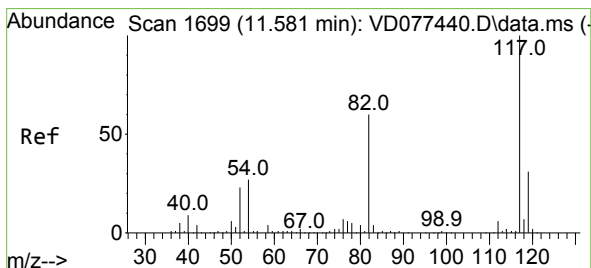
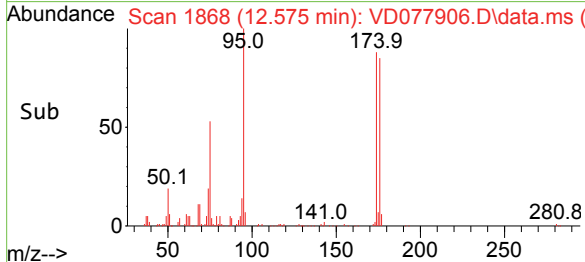
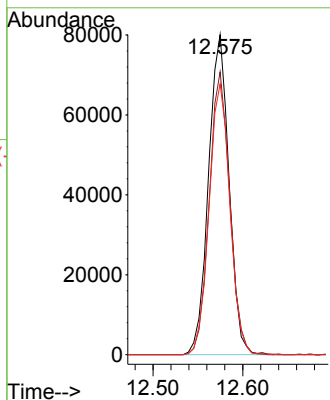
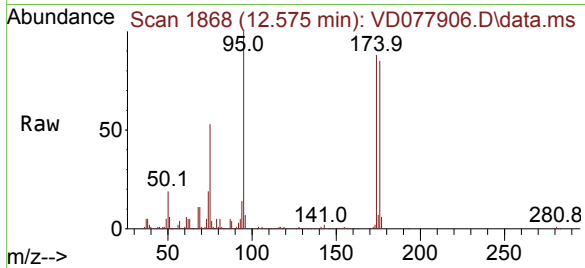




#62
4-Bromofluorobenzene
Concen: 42.532 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

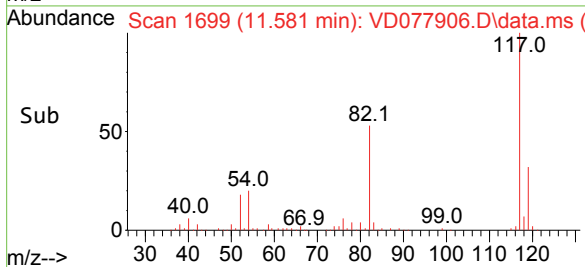
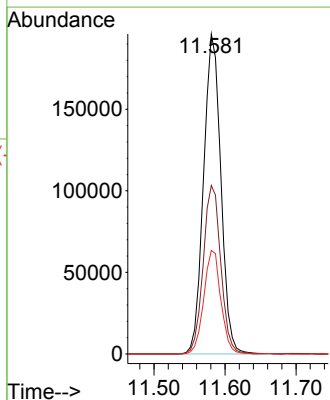
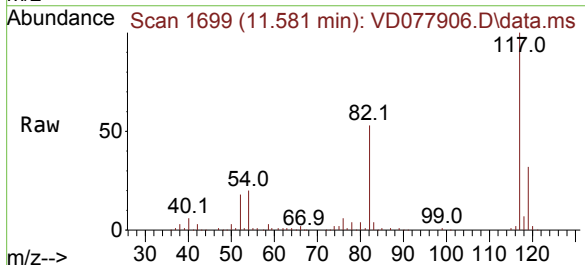
Instrument :
MSVOA_D
ClientSampleId :

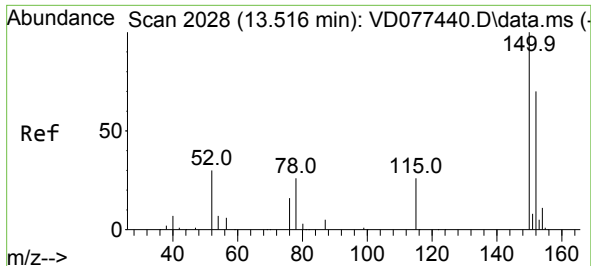
Tgt Ion: 95 Resp: 127095
Ion Ratio Lower Upper
95 100
174 88.6 0.0 201.8
176 85.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

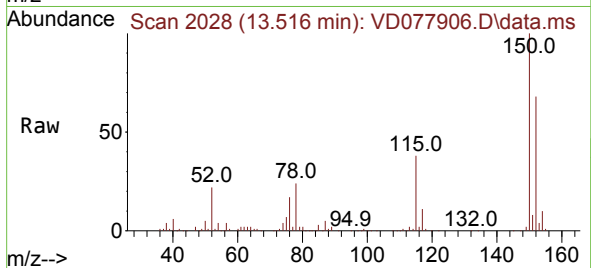
Tgt Ion: 117 Resp: 332652
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 32.4 25.0 37.4



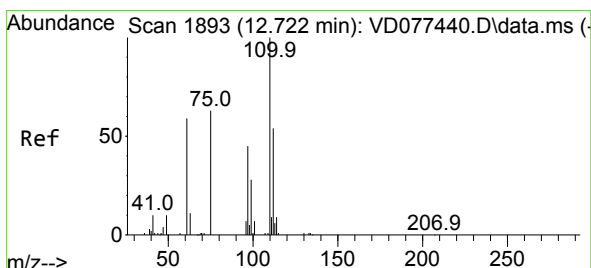
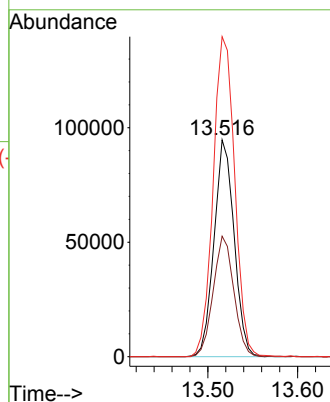
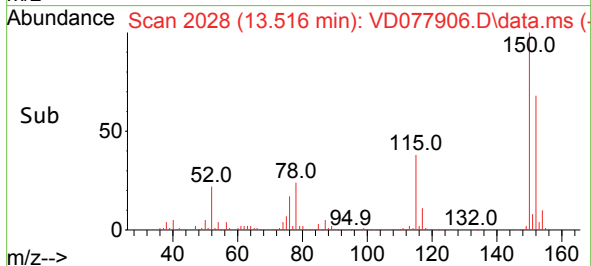


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD077906.D
 Acq: 15 Dec 2023 16:23

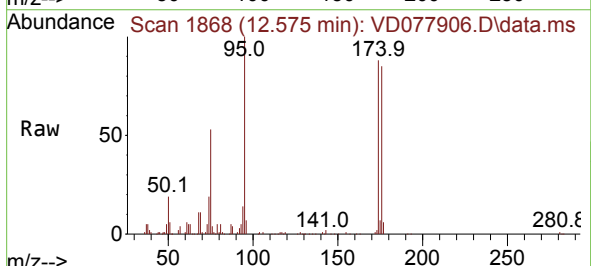
Instrument :
 MSVOA_D
 ClientSampleId :



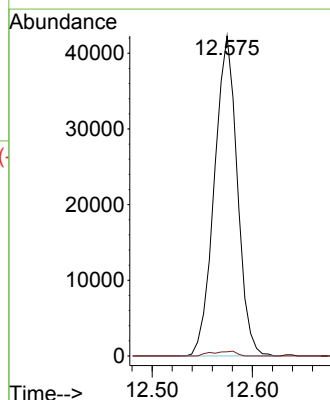
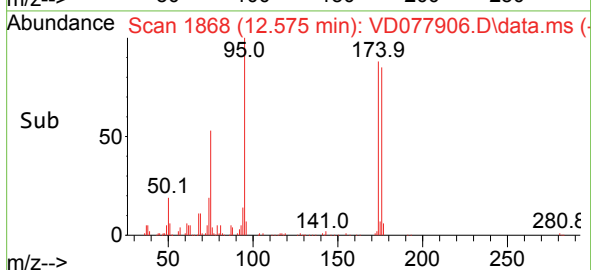
Tgt Ion:152 Resp: 146952
 Ion Ratio Lower Upper
 152 100
 115 57.1 27.1 81.3
 150 158.5 0.0 353.6

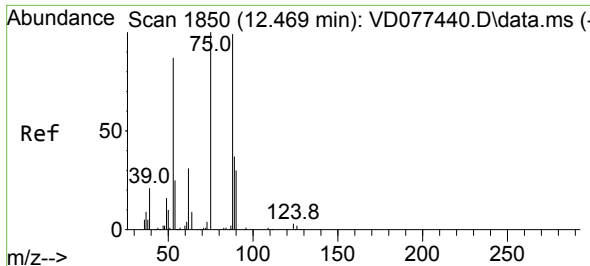


#76
 1,2,3-Trichloropropane
 Concen: 52.530 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077906.D
 Acq: 15 Dec 2023 16:23



Tgt Ion: 75 Resp: 67043
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

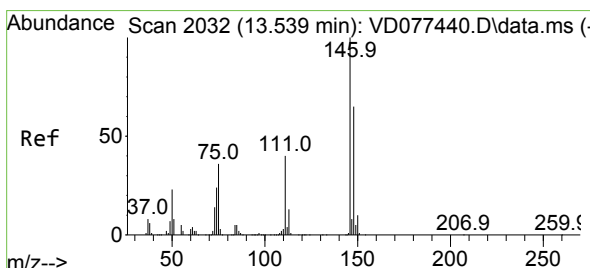
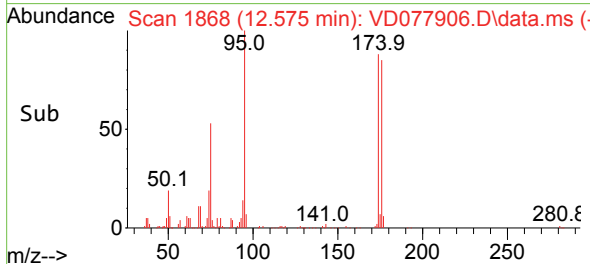
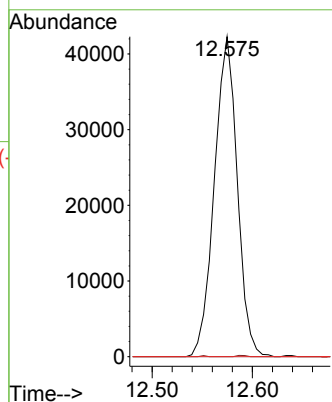
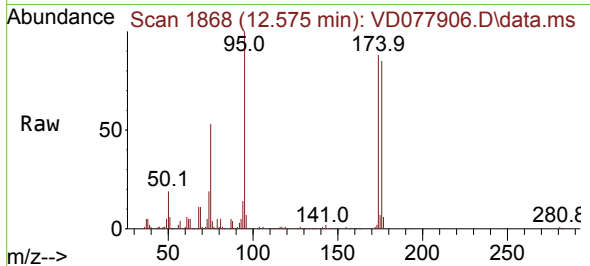




#81
trans-1,4-Dichloro-2-butene
Concen: 106.429 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 67043
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.522 min Scan# 2029
Delta R.T. -0.017 min
Lab File: VD077906.D
Acq: 15 Dec 2023 16:23

Tgt Ion:146 Resp: 158
Ion Ratio Lower Upper
146 100
111 1415.8 17.4 52.3#
148 267.1 31.7 95.1#

