

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110223\
 Data File : VD077487.D
 Acq On : 02 Nov 2023 11:30
 Operator : JC/SY
 Sample : VD1102SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 01:01:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

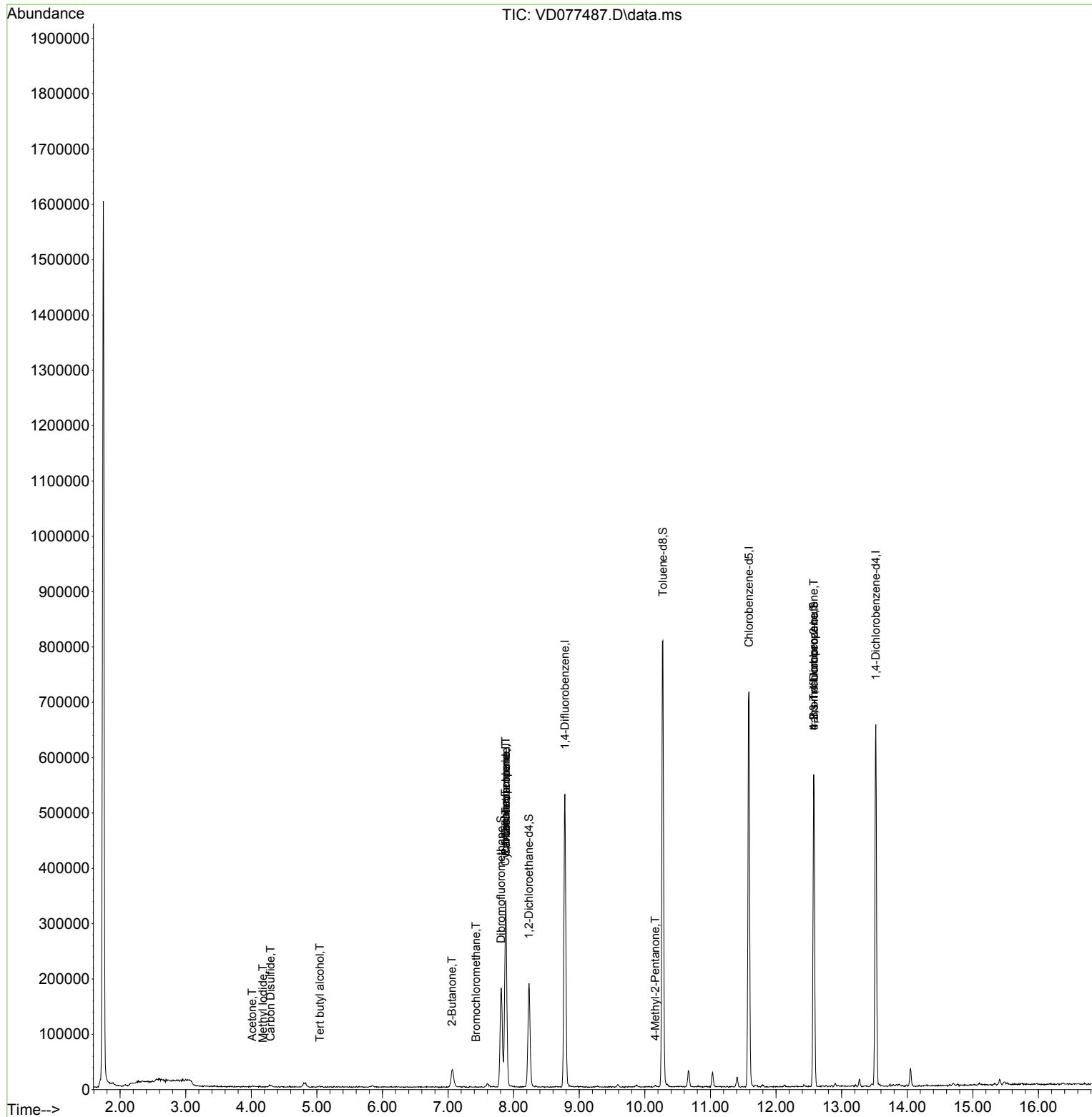
Internal Standards						
1) Pentafluorobenzene	7.881	168	240019	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	428509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	379827	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	163478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	148564	43.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.540%
35) Dibromofluoromethane	7.810	113	129038	43.569	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.140%
50) Toluene-d8	10.275	98	544672	47.347	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.700%
62) 4-Bromofluorobenzene	12.575	95	166524	42.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.960%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	493	3.293	ug/l #	46
11) Tert butyl alcohol	5.046	59	1134	4.218	ug/l #	91
16) Acetone	4.016	43	2659	2.961	ug/l #	32
17) Carbon Disulfide	4.293	76	150	3.775	ug/l #	76
20) Methylene Chloride	4.822	84	5061	Below Cal	#	85
25) 2-Butanone	7.057	43	2408	2.010	ug/l #	37
28) Bromochloromethane	7.428	49	56	2.124	ug/l #	1
31) Cyclohexane	7.875	56	7329	1.381	ug/l #	56
36) 1,1-Dichloropropene	7.881	75	22520	5.128	ug/l #	47
38) Carbon Tetrachloride	7.881	117	25553	6.175	ug/l #	15
51) 4-Methyl-2-Pentanone	10.157	43	2671	1.043	ug/l #	67
76) 1,2,3-Trichloropropane	12.575	75	94654	47.572	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	94654	91.892	ug/l #	17

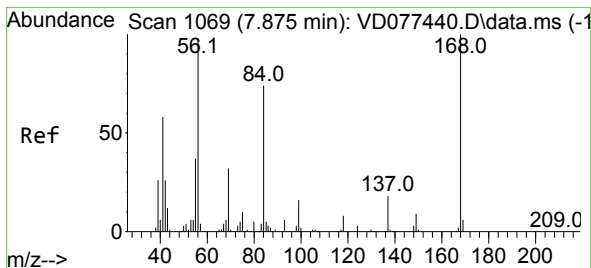
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077487.D

Acq: 02 Nov 2023 11:30

Instrument :

MSVOA_D

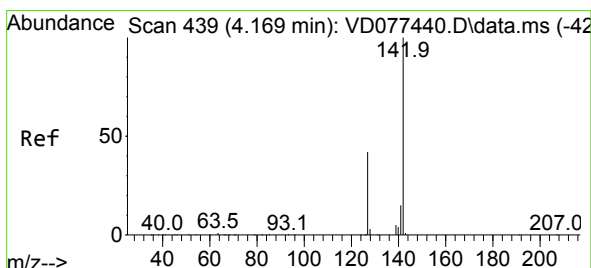
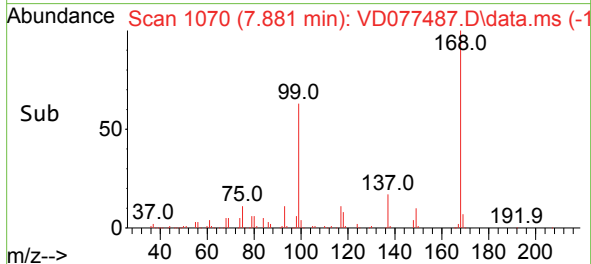
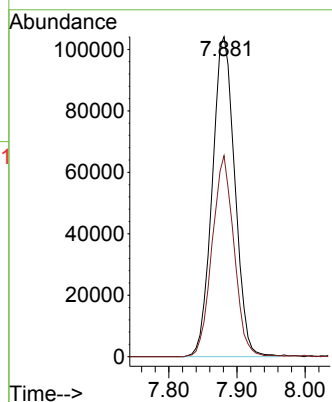
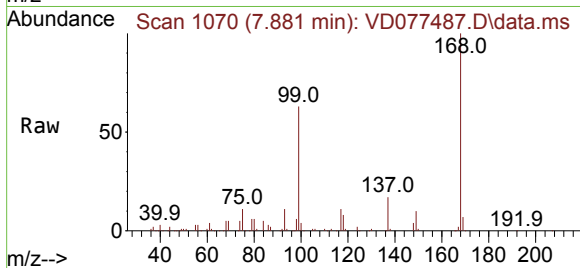
ClientSampleId :

Tgt Ion:168 Resp: 240019

Ion Ratio Lower Upper

168 100

99 62.8 36.7 55.1#



#10

Methyl Iodide

Concen: 3.293 ug/l

RT: 4.175 min Scan# 440

Delta R.T. 0.006 min

Lab File: VD077487.D

Acq: 02 Nov 2023 11:30

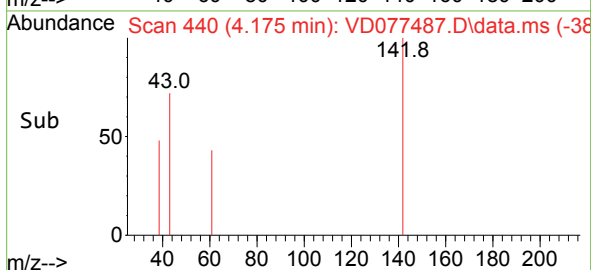
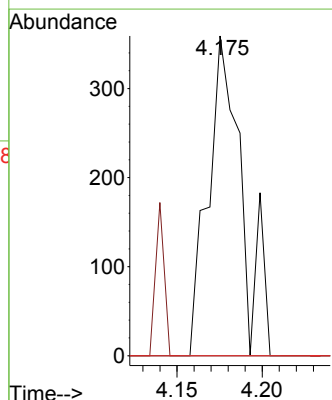
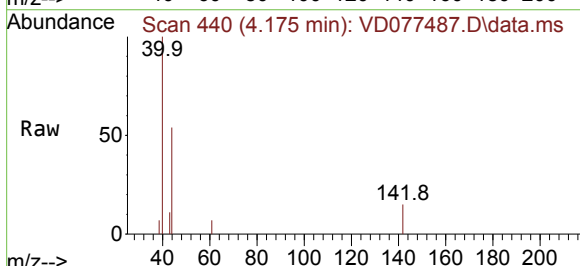
Tgt Ion:142 Resp: 493

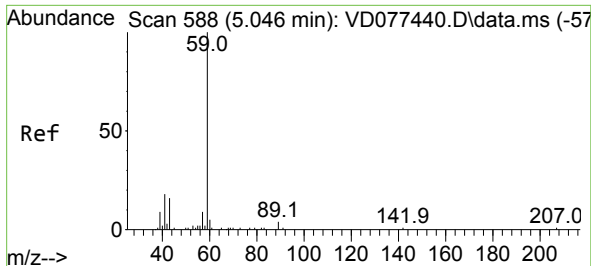
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

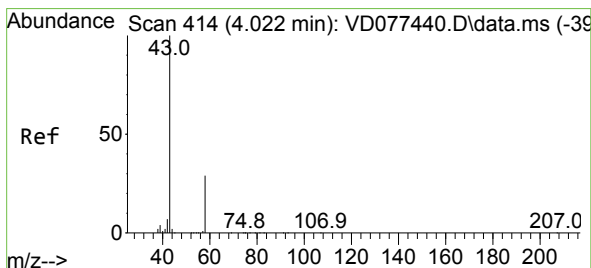
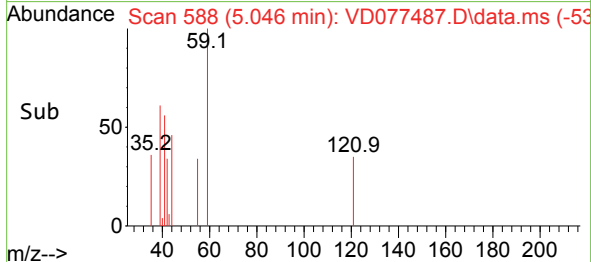
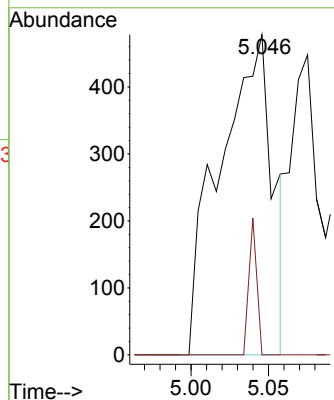
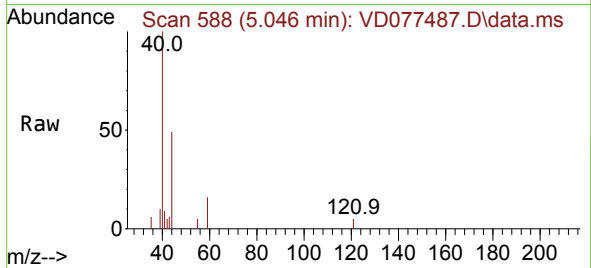




#11
Tert butyl alcohol
Concen: 4.218 ug/l
RT: 5.046 min Scan# 51
Delta R.T. 0.000 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

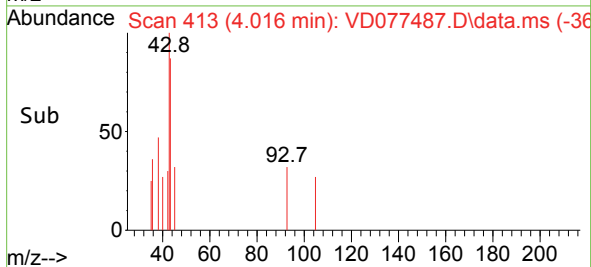
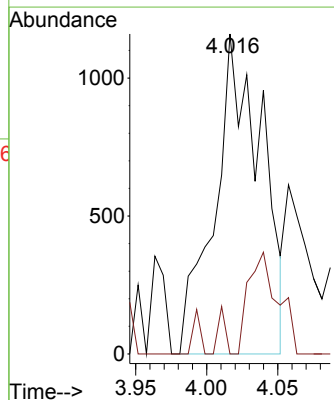
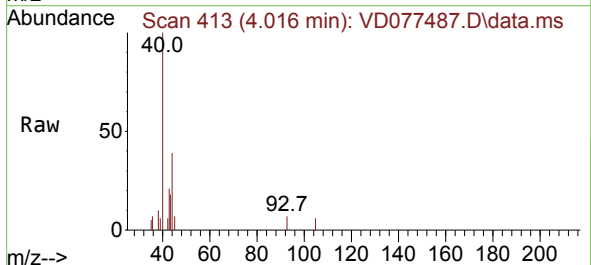
Instrument :
MSVOA_D
ClientSampleId :

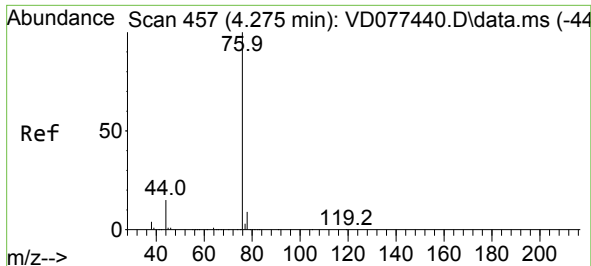
Tgt Ion: 59 Resp: 1134
Ion Ratio Lower Upper
59 100
57 6.3 7.8 11.8#



#16
Acetone
Concen: 2.961 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

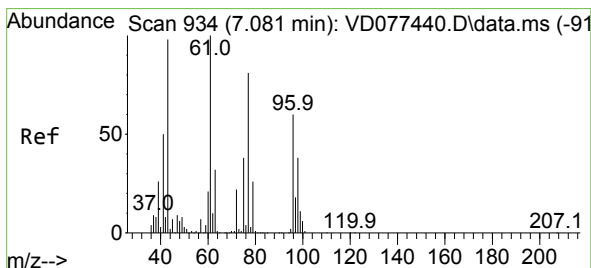
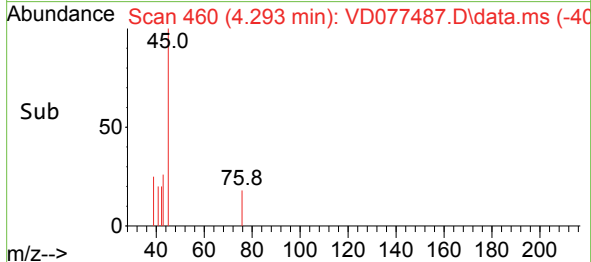
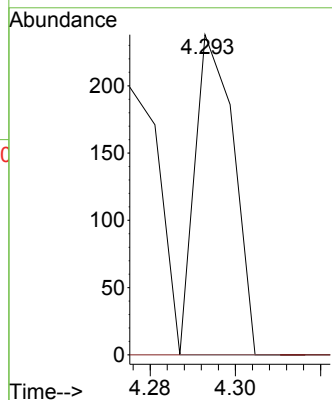
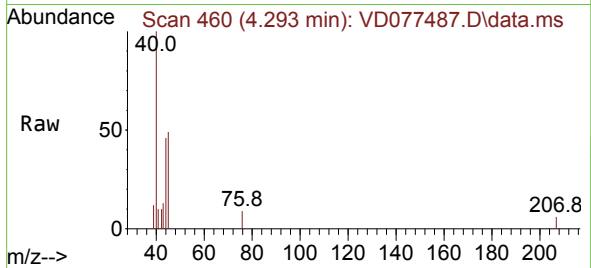




#17
Carbon Disulfide
Concen: 3.775 ug/l
RT: 4.293 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

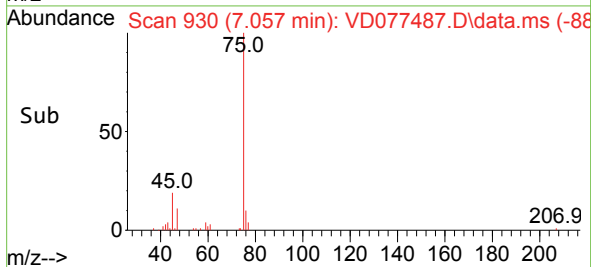
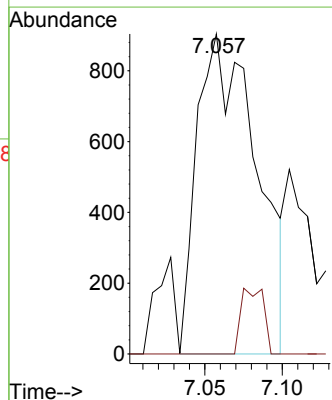
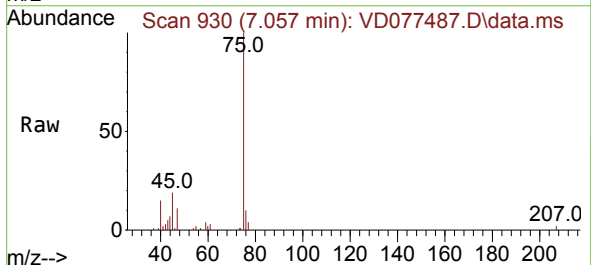
Instrument :
MSVOA_D
ClientSampleId :

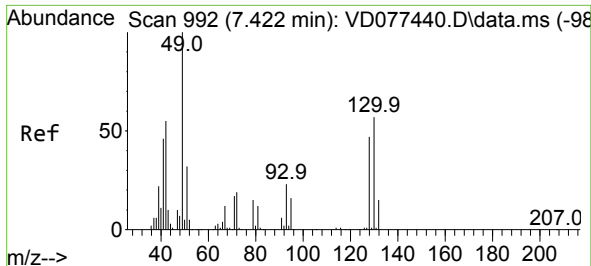
Tgt Ion: 76 Resp: 150
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#25
2-Butanone
Concen: 2.010 ug/l
RT: 7.057 min Scan# 930
Delta R.T. -0.024 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

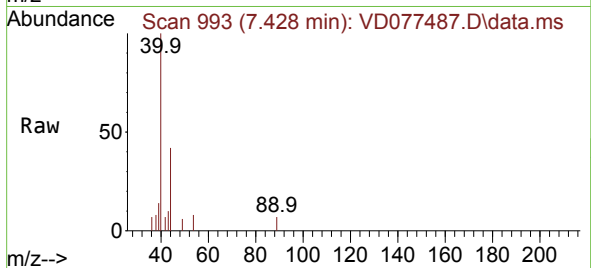
Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



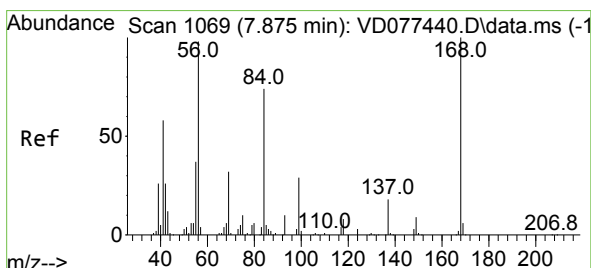
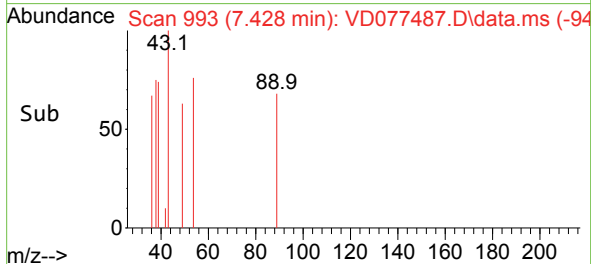
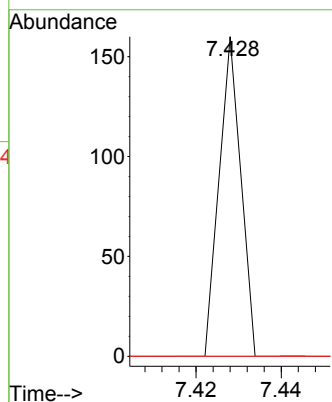


#28
Bromochloromethane
Concen: 2.124 ug/l
RT: 7.428 min Scan# 992
Delta R.T. 0.006 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Instrument :
MSVOA_D
ClientSampleId :

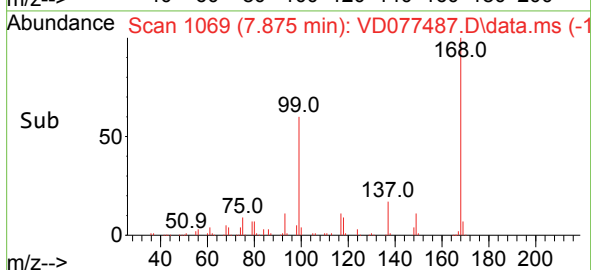
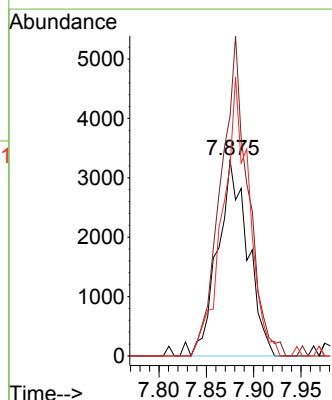
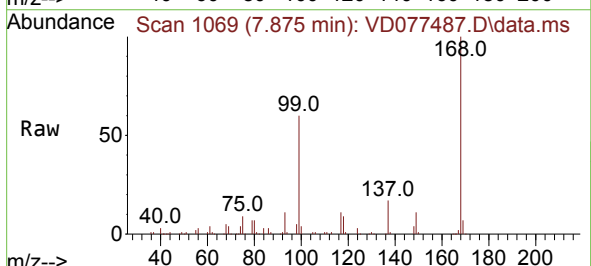


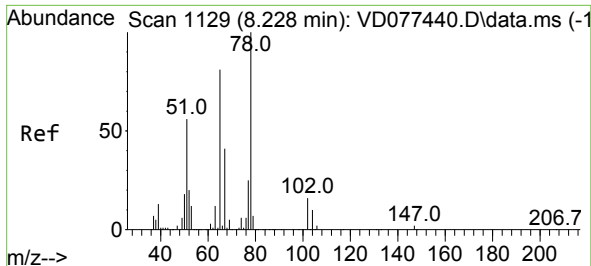
Tgt Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Tgt Ion: 56 Resp: 7329
Ion Ratio Lower Upper
56 100
69 122.9 28.6 43.0#
84 96.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 43.773 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077487.D

Acq: 02 Nov 2023 11:30

Instrument :

MSVOA_D

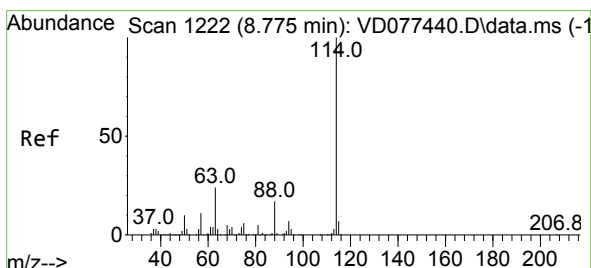
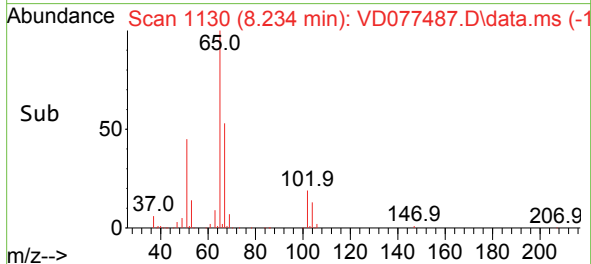
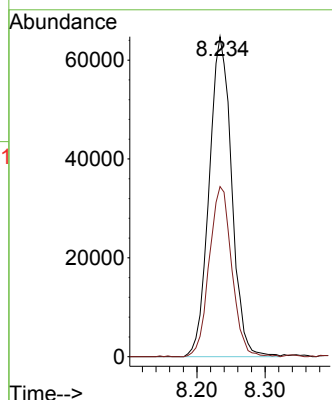
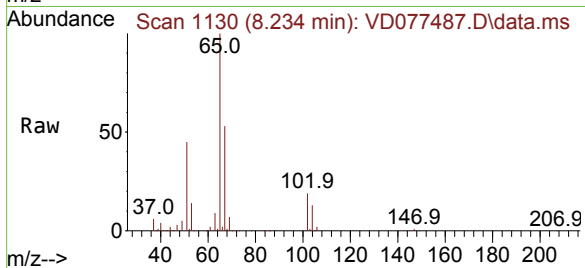
ClientSampleId :

Tgt Ion: 65 Resp: 148564

Ion Ratio Lower Upper

65 100

67 53.2 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: VD077487.D

Acq: 02 Nov 2023 11:30

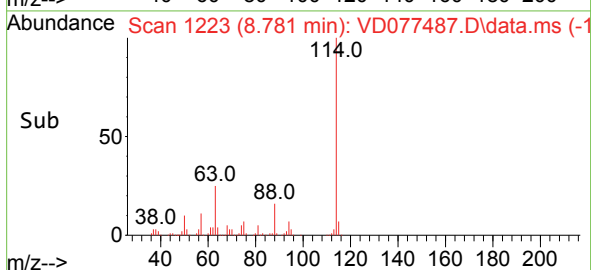
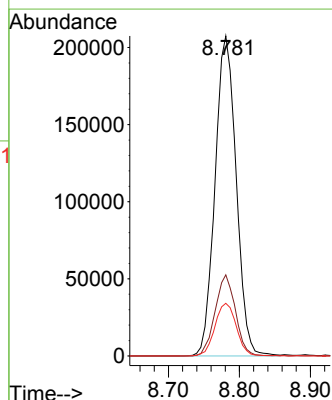
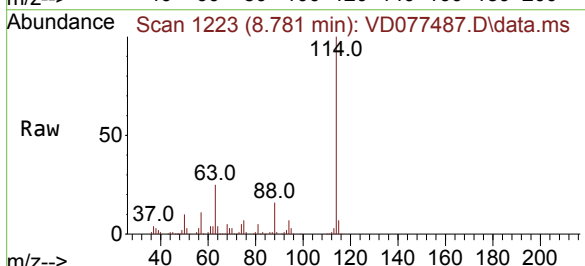
Tgt Ion: 114 Resp: 428509

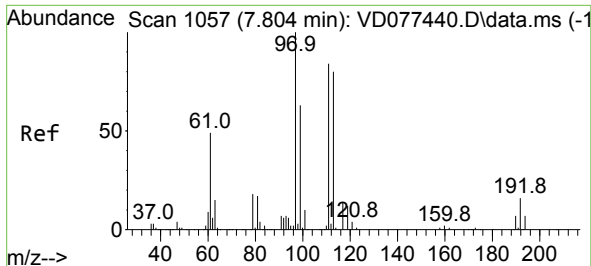
Ion Ratio Lower Upper

114 100

63 25.4 0.0 33.4

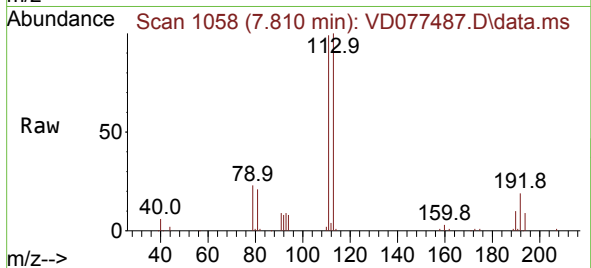
88 16.4 0.0 26.2



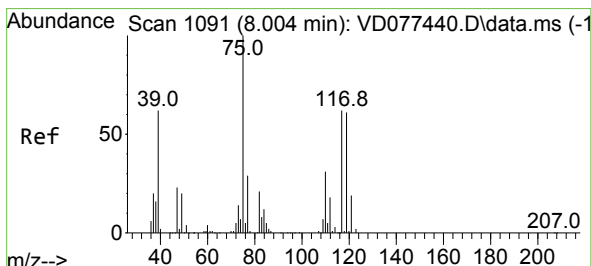
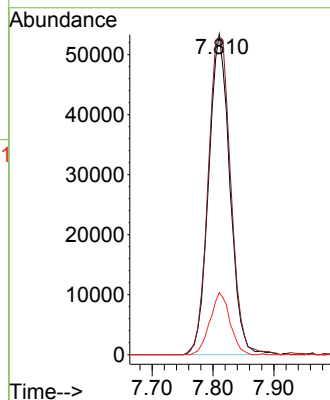
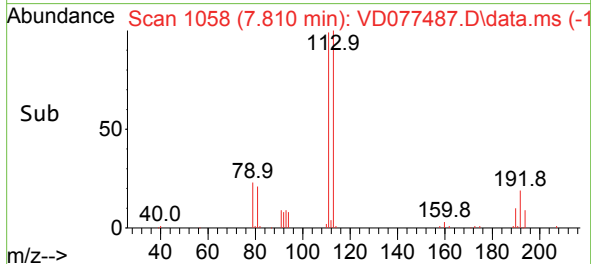


#35
Dibromofluoromethane
Concen: 43.569 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Instrument :
MSVOA_D
ClientSampleId :

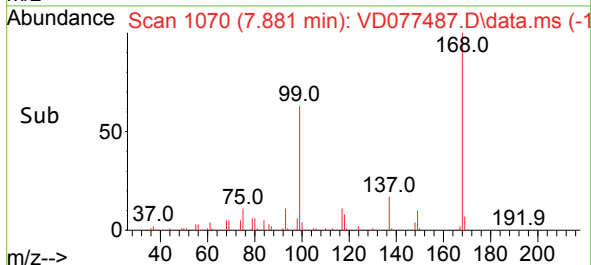
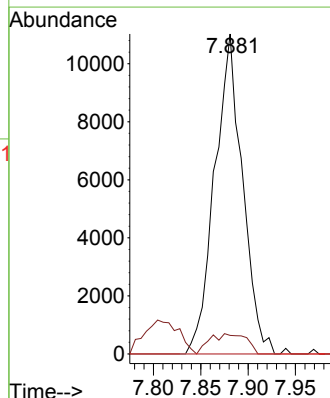
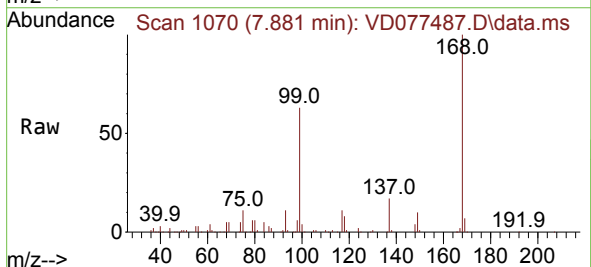


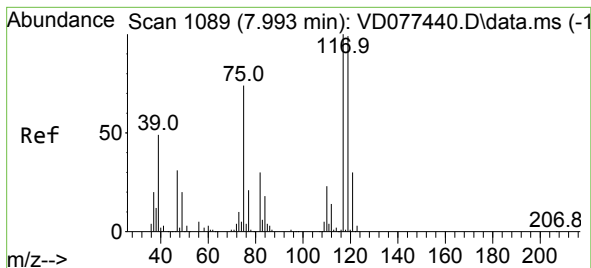
Tgt Ion:113 Resp: 129038
Ion Ratio Lower Upper
113 100
111 106.2 84.7 127.1
192 18.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.128 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Tgt Ion: 75 Resp: 22520
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.175 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

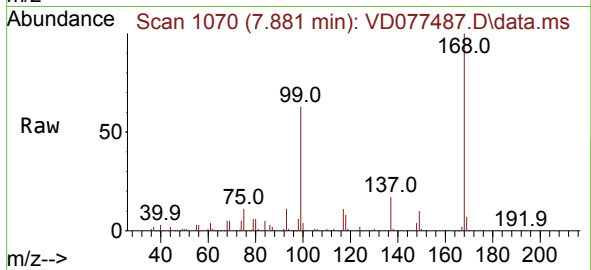
Lab File: VD077487.D

Acq: 02 Nov 2023 11:30

Instrument :

MSVOA_D

ClientSampleId :



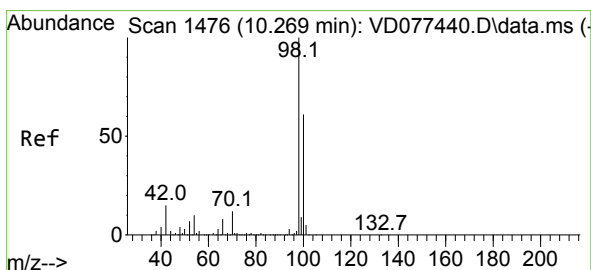
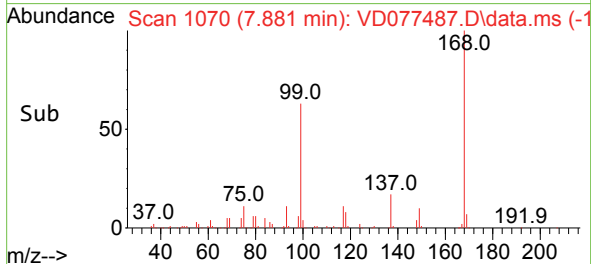
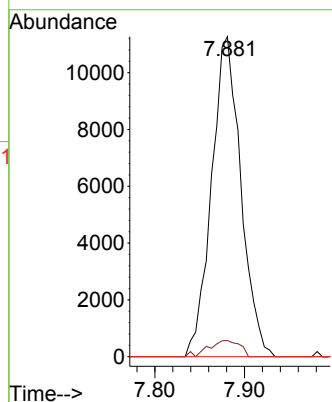
Tgt Ion:117 Resp: 25553

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 47.347 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD077487.D

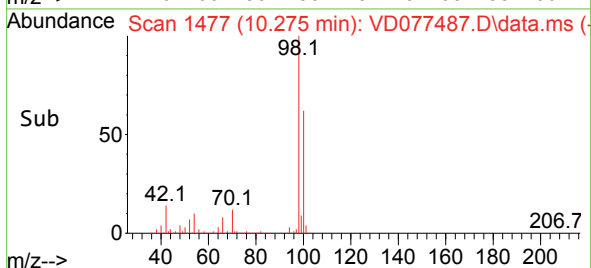
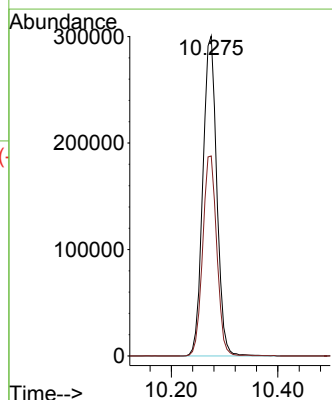
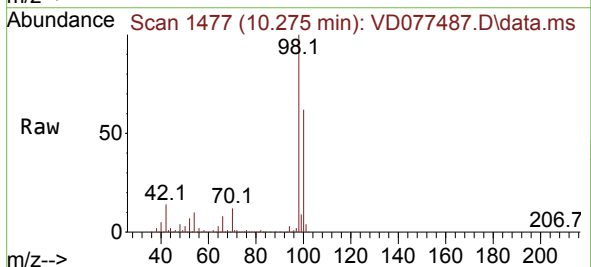
Acq: 02 Nov 2023 11:30

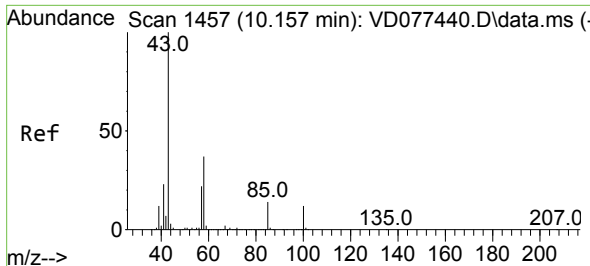
Tgt Ion: 98 Resp: 544672

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

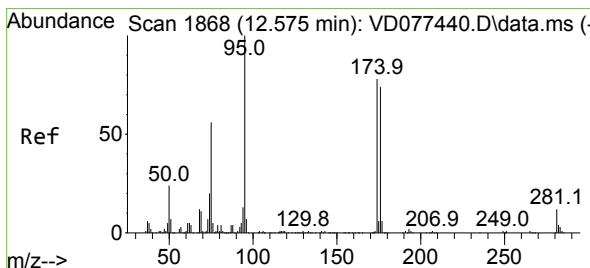
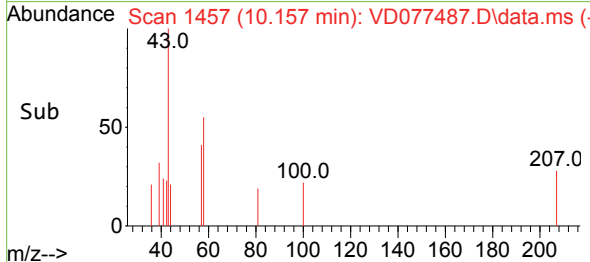
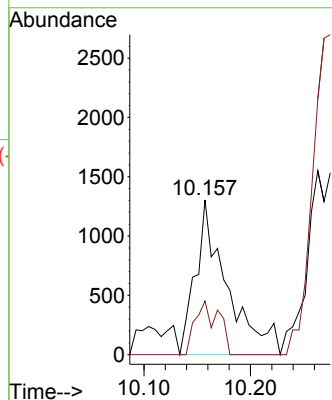
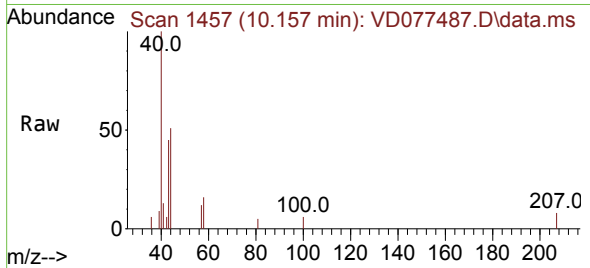




#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

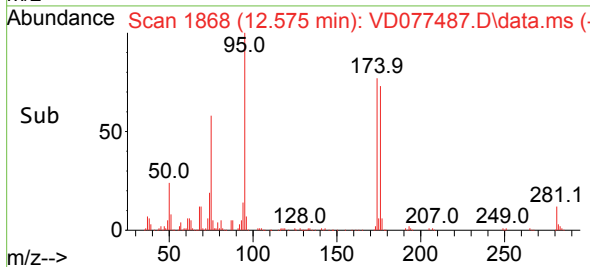
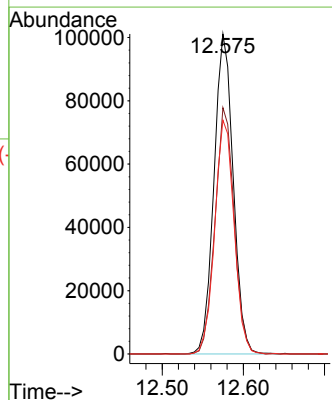
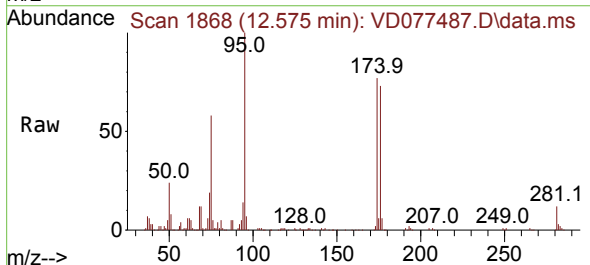
Instrument :
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ClientSampleId :

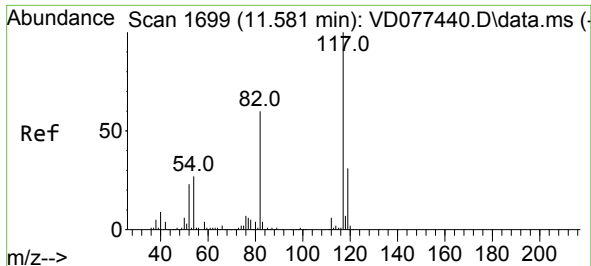
Tgt Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
58 25.9 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 42.978 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Tgt Ion: 95 Resp: 166524
Ion Ratio Lower Upper
95 100
174 76.6 0.0 201.8
176 73.5 0.0 191.8

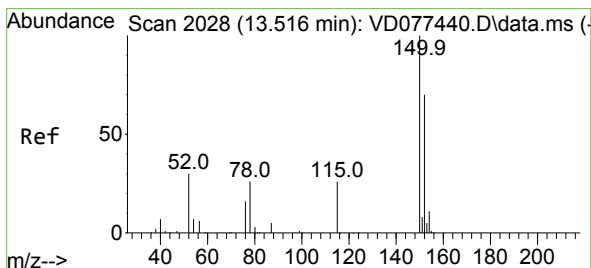
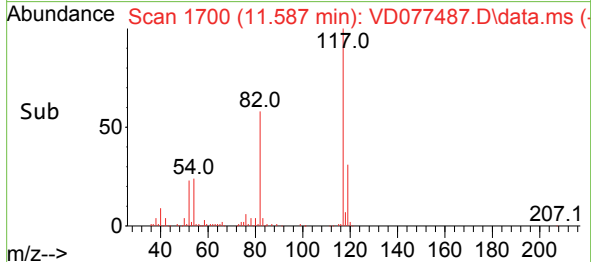
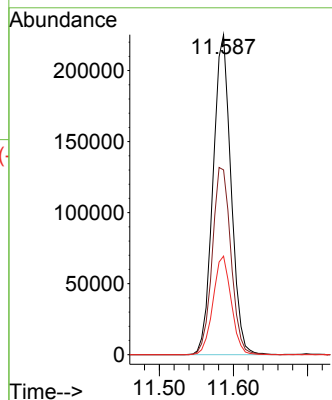
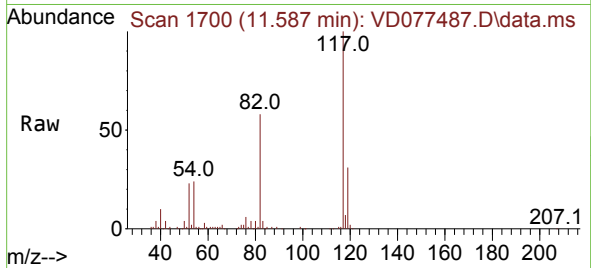




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

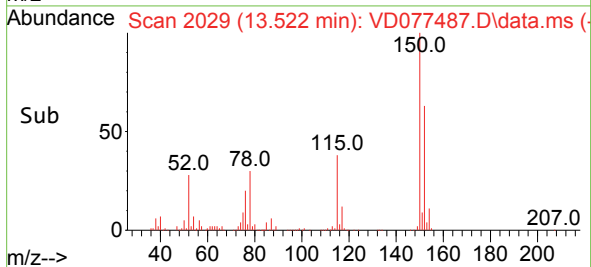
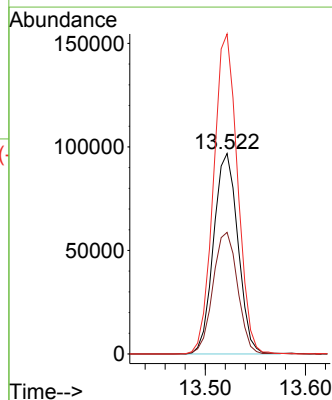
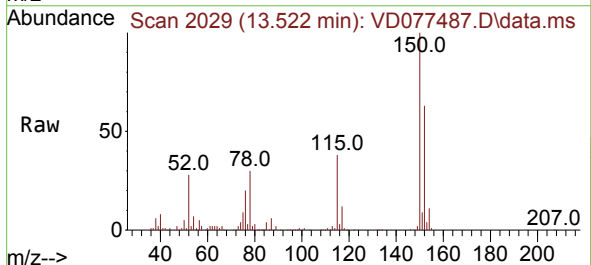
Instrument :
MSVOA_D
ClientSampleId :

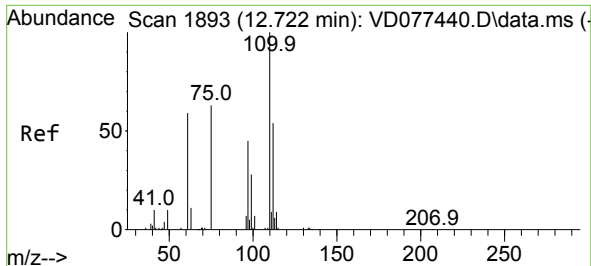
Tgt Ion:117 Resp: 379827
Ion Ratio Lower Upper
117 100
82 57.8 38.3 57.5#
119 30.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Tgt Ion:152 Resp: 163478
Ion Ratio Lower Upper
152 100
115 61.3 27.1 81.3
150 157.2 0.0 353.6

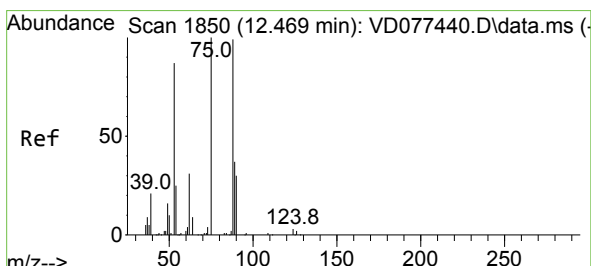
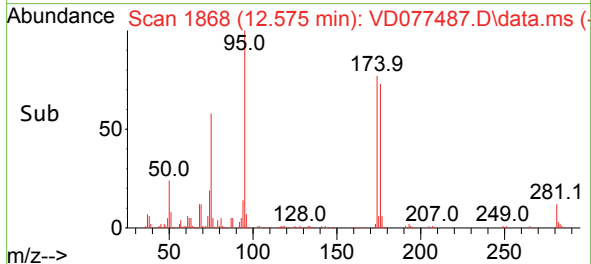
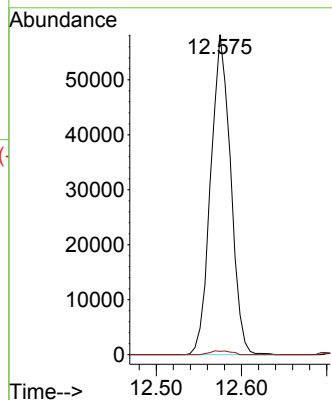
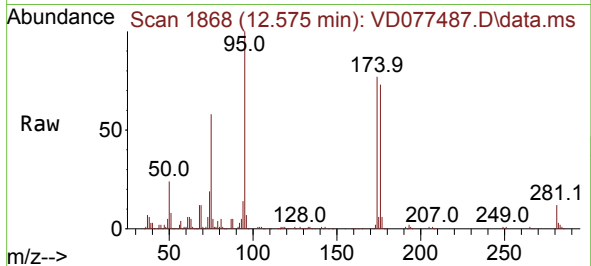




#76
1,2,3-Trichloropropane
Concen: 47.572 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 94654
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.892 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077487.D
Acq: 02 Nov 2023 11:30

Tgt Ion: 75 Resp: 94654
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#

