

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077483.D
 Acq On : 01 Nov 2023 16:22
 Operator : JC/SY
 Sample : 05171-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:57:04 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)

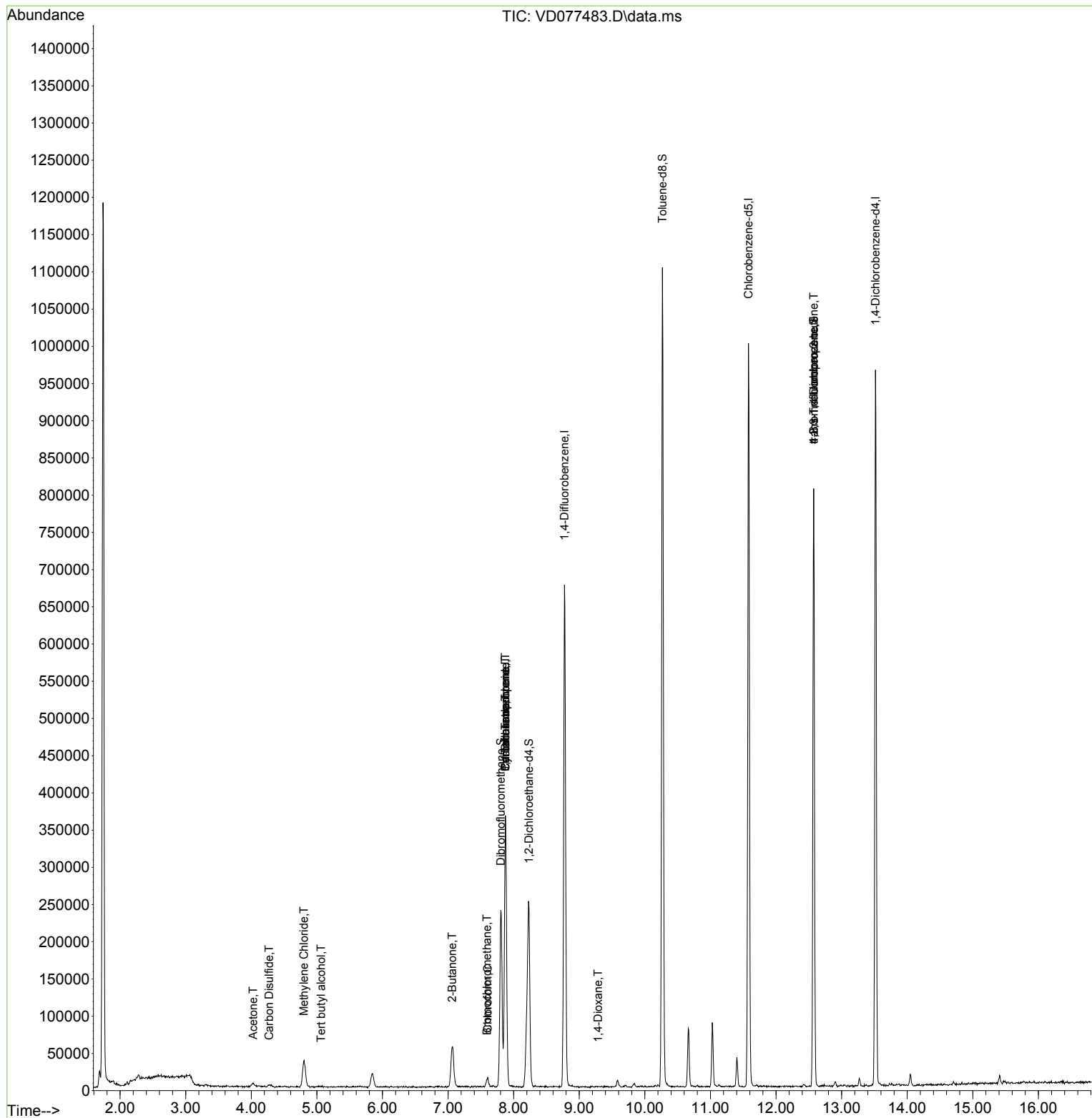
Internal Standards						
1) Pentafluorobenzene	7.875	168	261998	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	543444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	522742	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	231836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	180069	48.605	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.200%
35) Dibromofluoromethane	7.804	113	172585	45.948	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.900%
50) Toluene-d8	10.269	98	718580	49.253	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.500%
62) 4-Bromofluorobenzene	12.575	95	239876	48.816	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.063	59	995	3.390	ug/l	# 94
16) Acetone	4.028	43	9157	9.341	ug/l	# 82
17) Carbon Disulfide	4.269	76	2975	4.097	ug/l	# 76
20) Methylene Chloride	4.805	84	23090	4.043	ug/l	# 52
25) 2-Butanone	7.063	43	3826	2.926	ug/l	# 37
28) Bromochloromethane	7.593	49	1338	2.512	ug/l	# 1
30) Chloroform	7.604	83	10887	1.674	ug/l	# 93
31) Cyclohexane	7.875	56	7975	1.377	ug/l	# 39
36) 1,1-Dichloropropene	7.875	75	25539	4.586	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	28623	5.454	ug/l	# 16
49) 1,4-Dioxane	9.287	88	66	2.730	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	136383	48.334	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	136383	93.364	ug/l	# 17

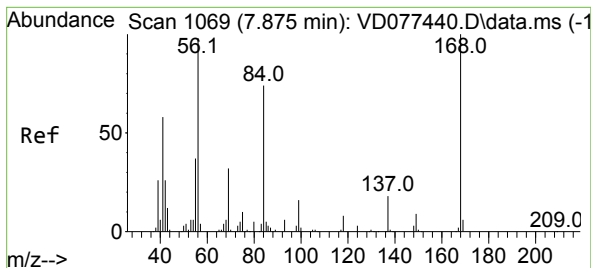
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077483.D

Acq: 01 Nov 2023 16:22

Instrument :

MSVOA_D

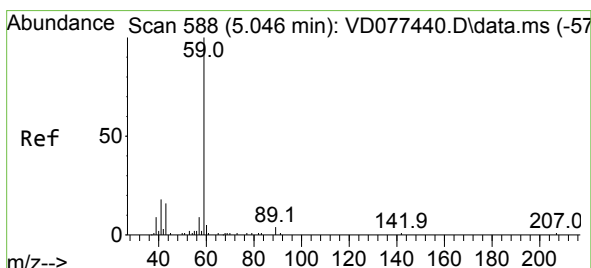
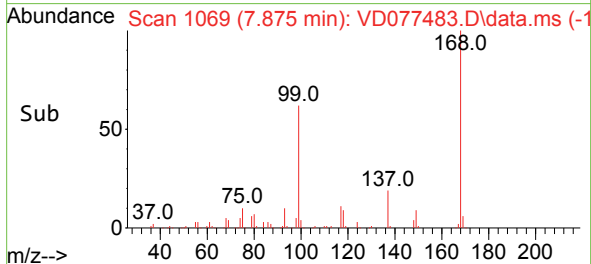
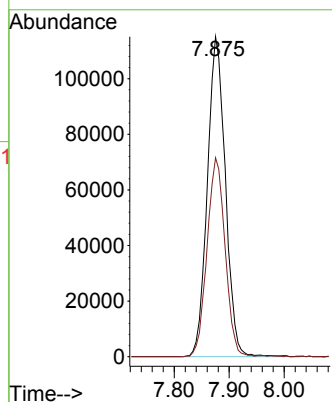
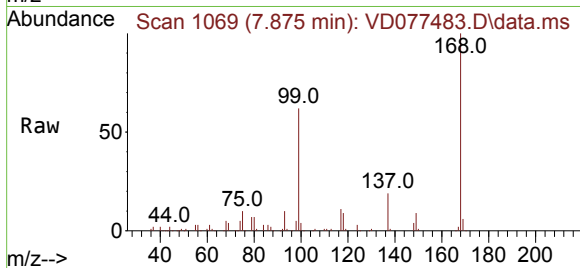
ClientSampleId :

Tgt Ion:168 Resp: 261998

Ion Ratio Lower Upper

168 100

99 62.2 36.7 55.1#



#11

Tert butyl alcohol

Concen: 3.390 ug/l

RT: 5.063 min Scan# 591

Delta R.T. 0.018 min

Lab File: VD077483.D

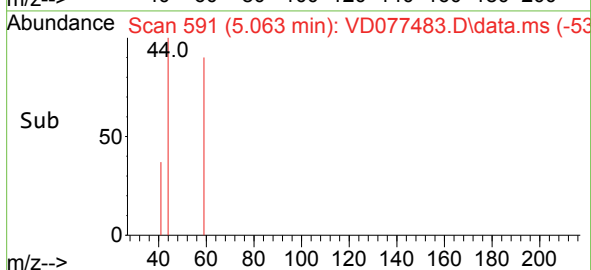
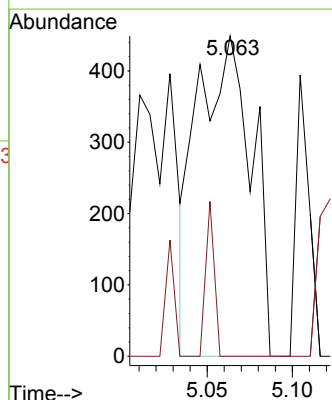
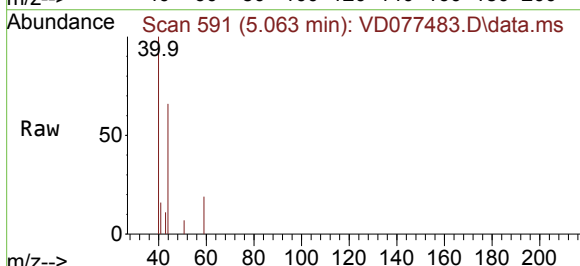
Acq: 01 Nov 2023 16:22

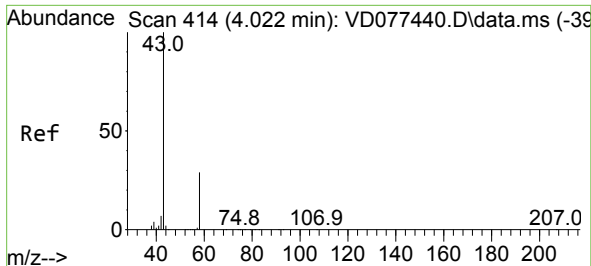
Tgt Ion: 59 Resp: 995

Ion Ratio Lower Upper

59 100

57 7.7 7.8 11.8#

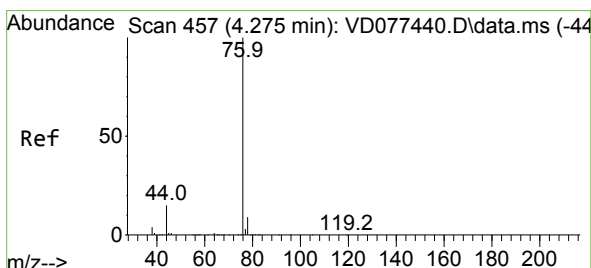
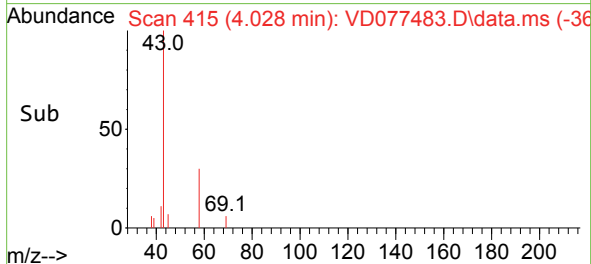
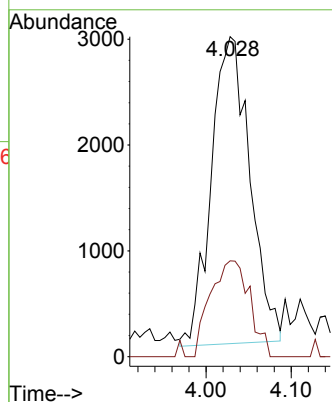
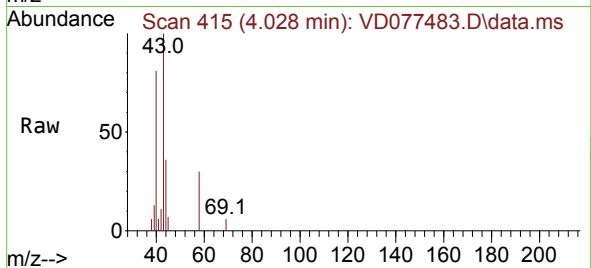




#16
Acetone
Concen: 9.341 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

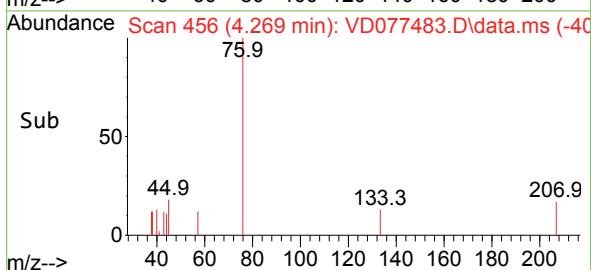
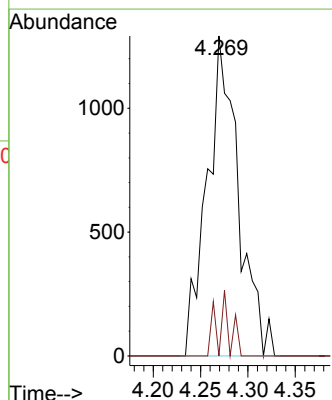
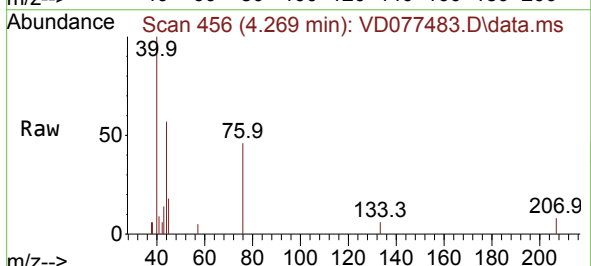
Instrument :
MSVOA_D
ClientSampleId :

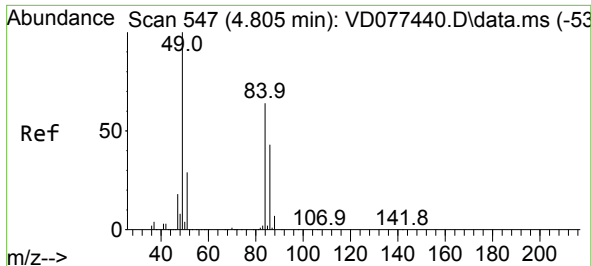
Tgt Ion: 43 Resp: 9157
Ion Ratio Lower Upper
43 100
58 31.7 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.097 ug/l
RT: 4.269 min Scan# 456
Delta R.T. -0.006 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

Tgt Ion: 76 Resp: 2975
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

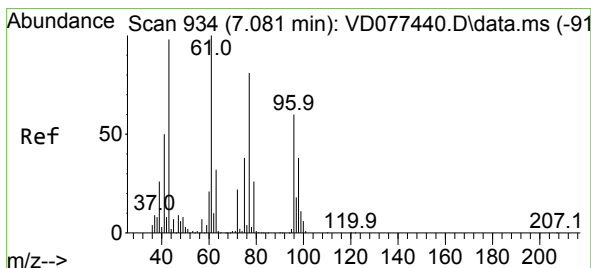
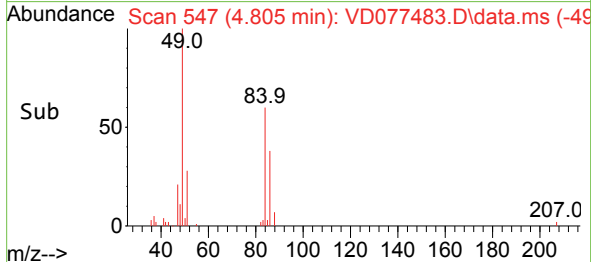
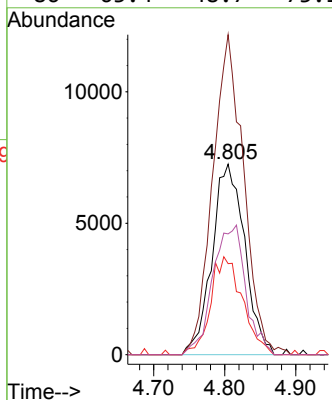
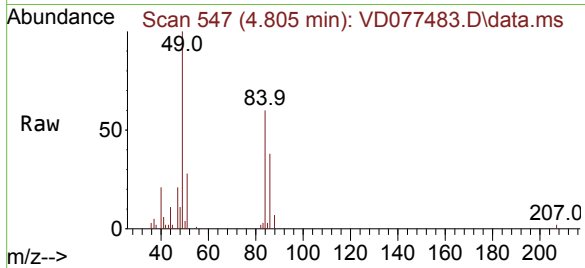




#20
Methylene Chloride
Concen: 4.043 ug/l
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

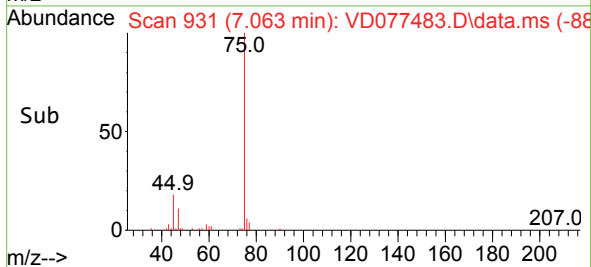
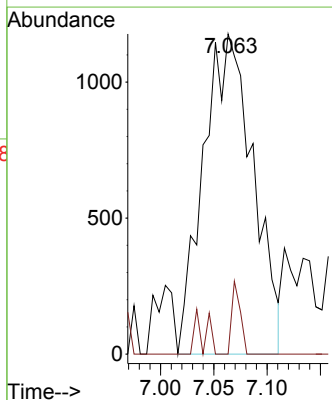
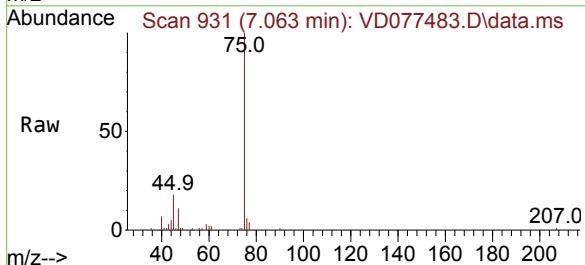
Instrument :
MSVOA_D
ClientSampleId :

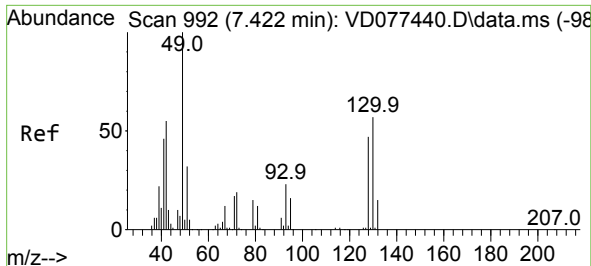
Tgt Ion: 84 Resp: 23090
Ion Ratio Lower Upper
84 100
49 168.0 71.4 107.2#
51 47.8 24.5 36.7#
86 63.4 48.7 73.1



#25
2-Butanone
Concen: 2.926 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

Tgt Ion: 43 Resp: 3826
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

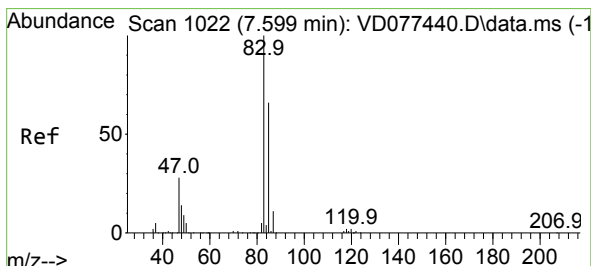
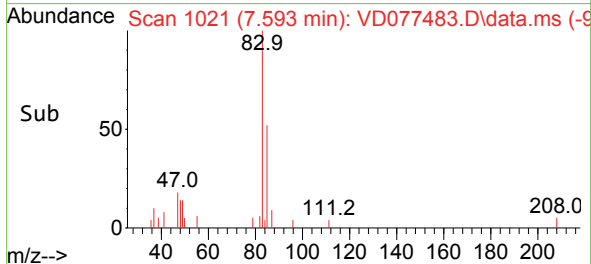
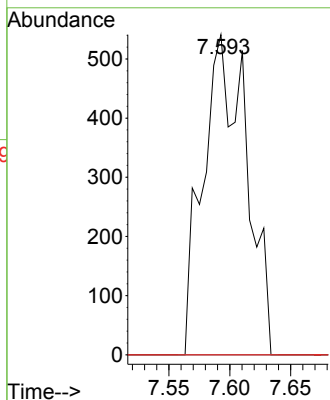
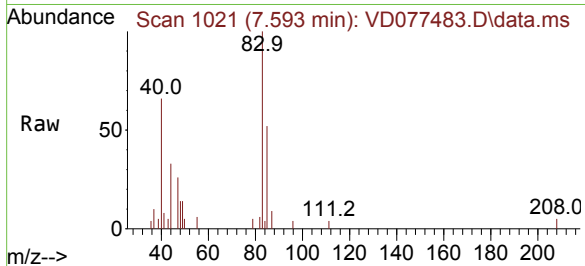




#28
Bromochloromethane
Concen: 2.512 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. 0.171 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

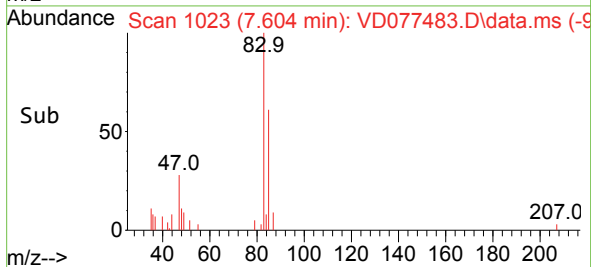
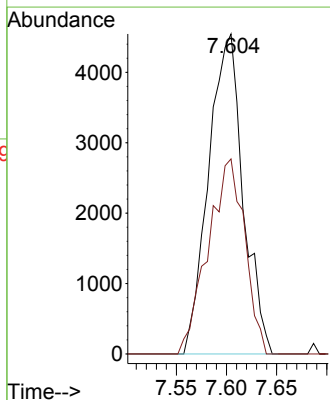
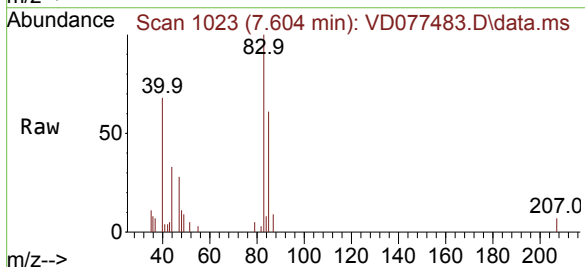
Instrument :
MSVOA_D
ClientSampleId :

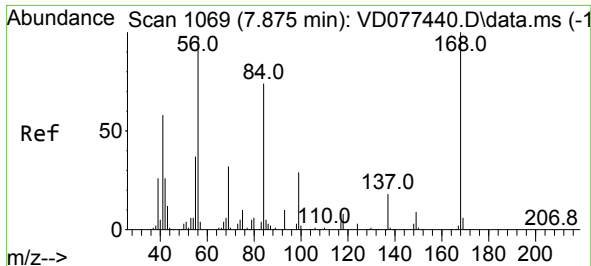
Tgt Ion: 49 Resp: 1338
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#30
Chloroform
Concen: 1.674 ug/l
RT: 7.604 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

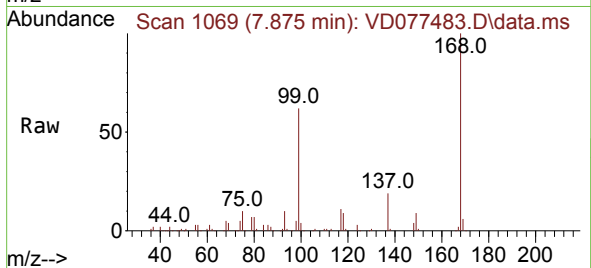
Tgt Ion: 83 Resp: 10887
Ion Ratio Lower Upper
83 100
85 61.0 53.4 80.2



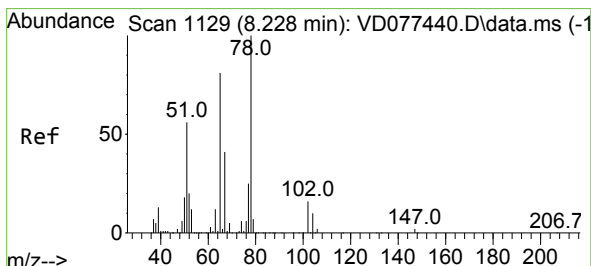
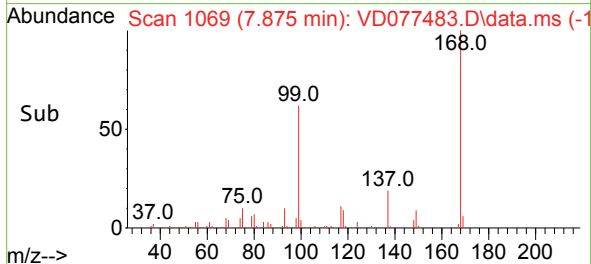
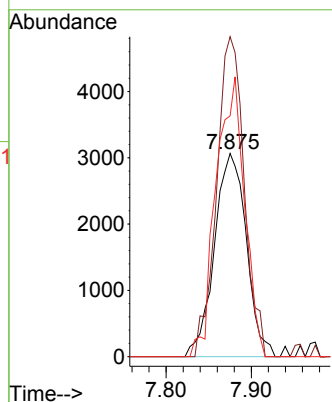


#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

Instrument :
MSVOA_D
ClientSampleId :

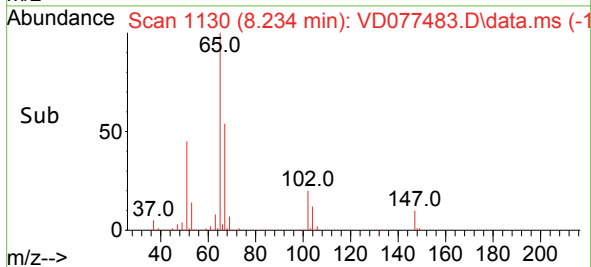
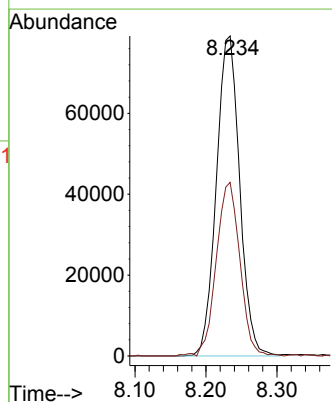
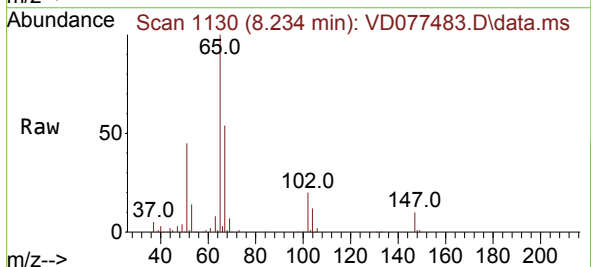


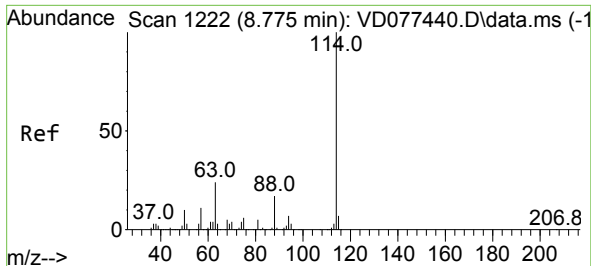
Tgt Ion: 56 Resp: 7975
Ion Ratio Lower Upper
56 100
69 157.5 28.6 43.0#
84 118.5 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 48.605 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

Tgt Ion: 65 Resp: 180069
Ion Ratio Lower Upper
65 100
67 55.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

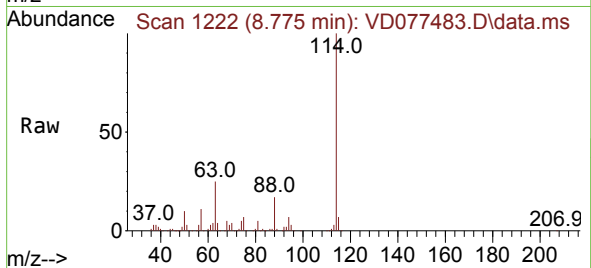
Lab File: VD077483.D

Acq: 01 Nov 2023 16:22

Instrument :

MSVOA_D

ClientSampleId :



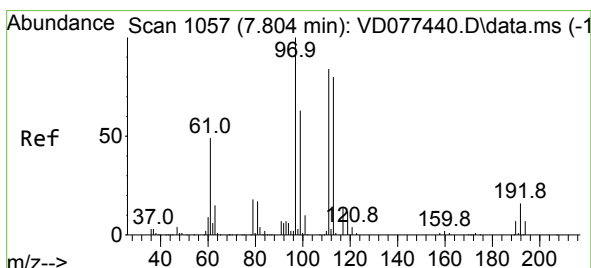
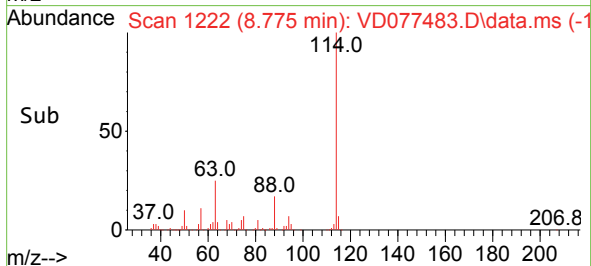
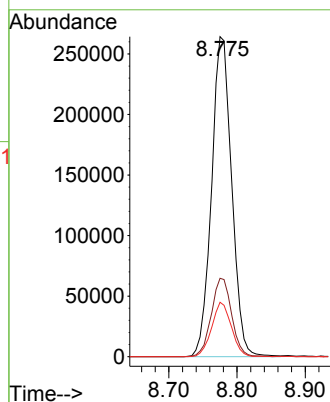
Tgt Ion:114 Resp: 543444

Ion Ratio Lower Upper

114 100

63 24.5 0.0 33.4

88 17.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.948 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077483.D

Acq: 01 Nov 2023 16:22

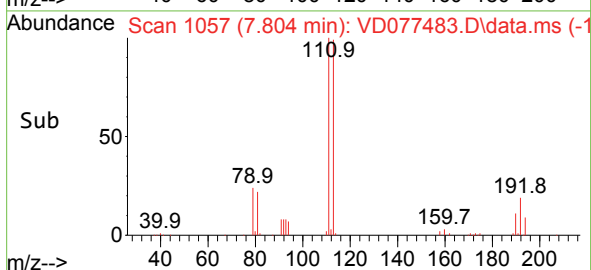
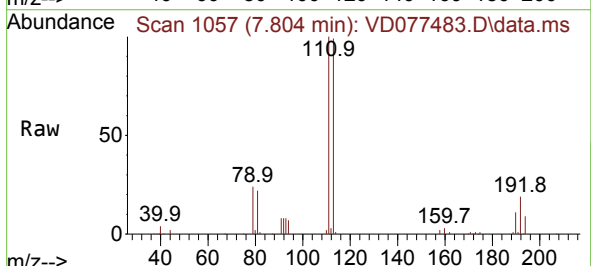
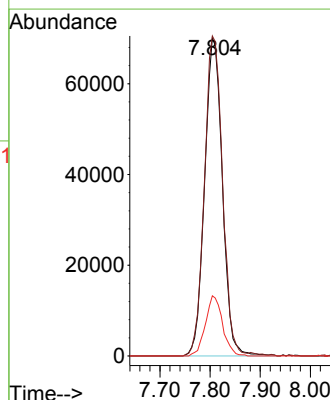
Tgt Ion:113 Resp: 172585

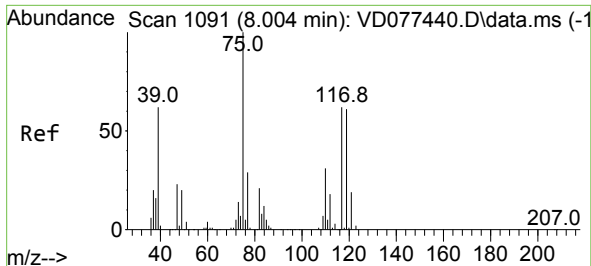
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 18.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.586 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

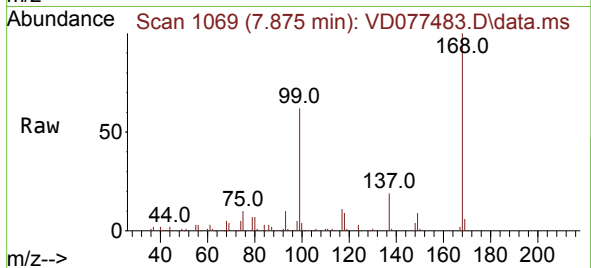
Lab File: VD077483.D

Acq: 01 Nov 2023 16:22

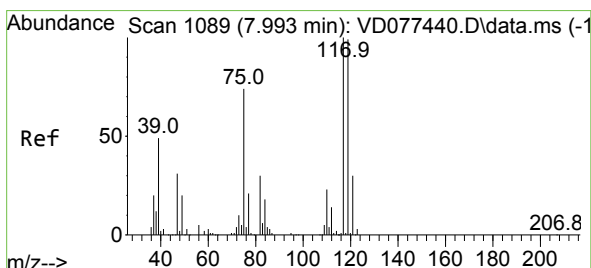
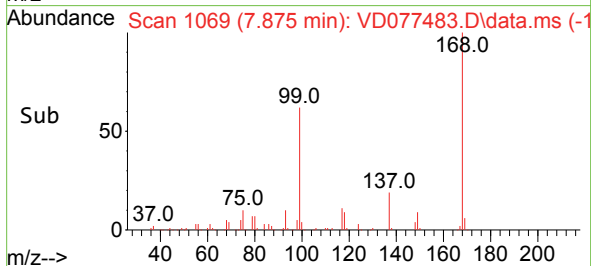
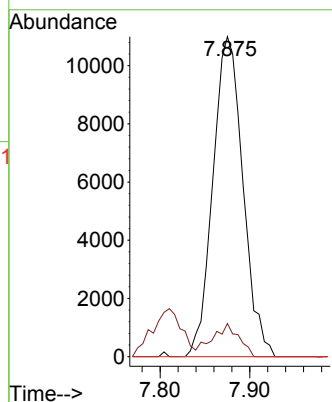
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	25539
Ion Ratio	Lower	Upper	
75	100		
110	9.1	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.454 ug/l

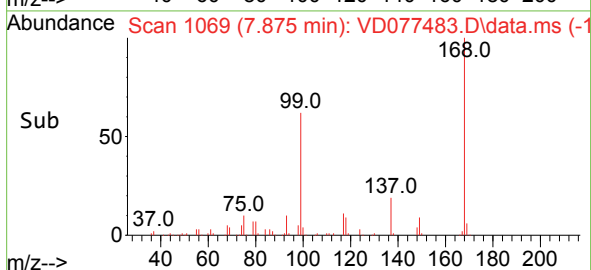
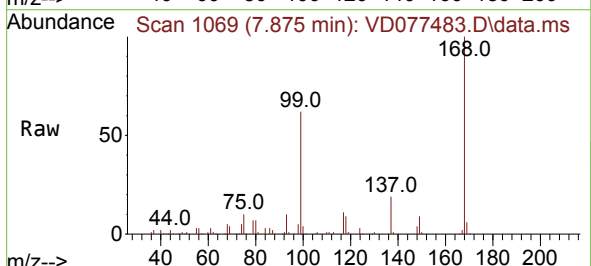
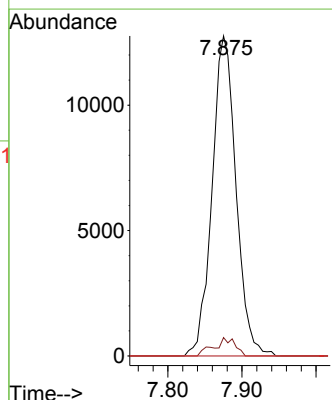
RT: 7.875 min Scan# 1069

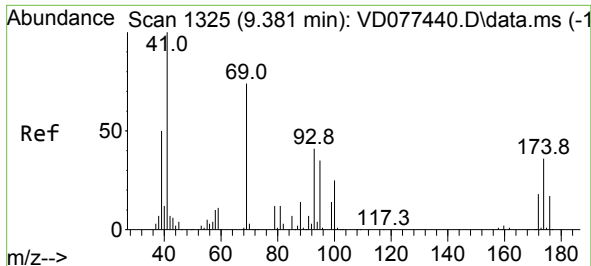
Delta R.T. -0.118 min

Lab File: VD077483.D

Acq: 01 Nov 2023 16:22

Tgt Ion:	117	Resp:	28623
Ion Ratio	Lower	Upper	
117	100		
119	5.7	78.0	117.0#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 2.730 ug/l

RT: 9.287 min Scan# 1309

Delta R.T. -0.094 min

Lab File: VD077483.D

Acq: 01 Nov 2023 16:22

Instrument :

MSVOA_D

ClientSampleId :

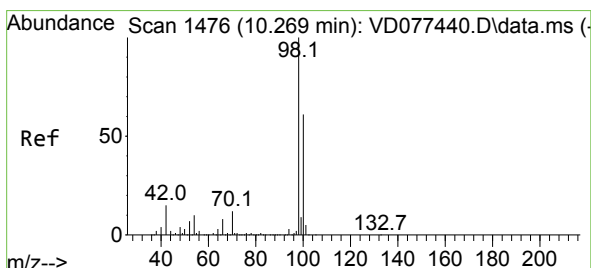
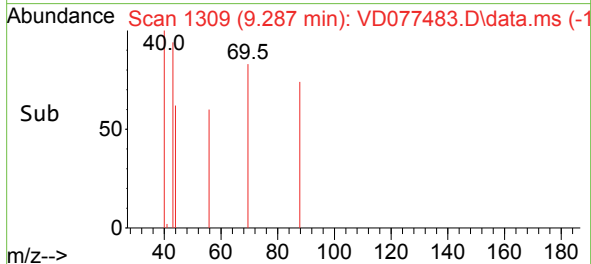
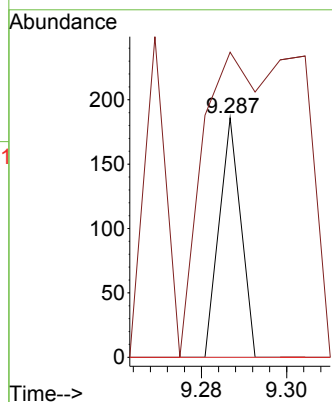
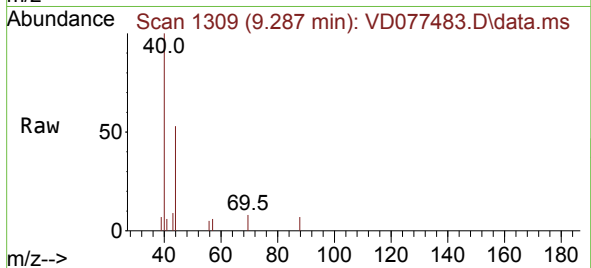
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 586.4 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 49.253 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077483.D

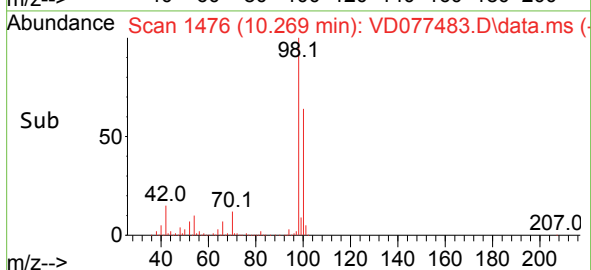
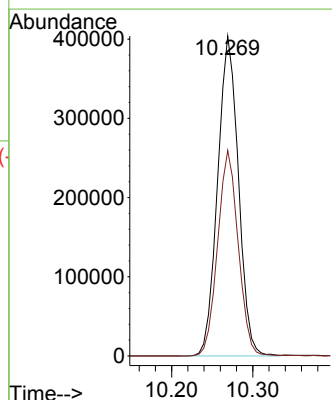
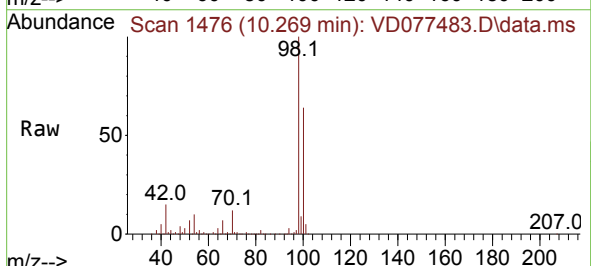
Acq: 01 Nov 2023 16:22

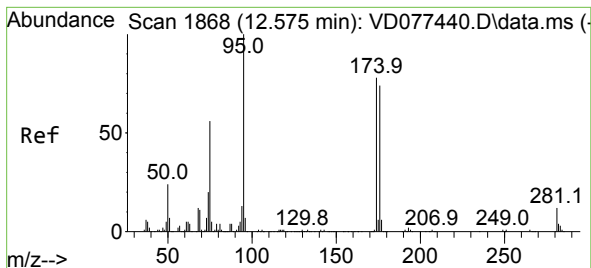
Tgt Ion: 98 Resp: 718580

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

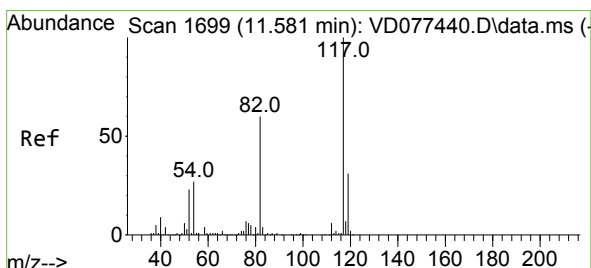
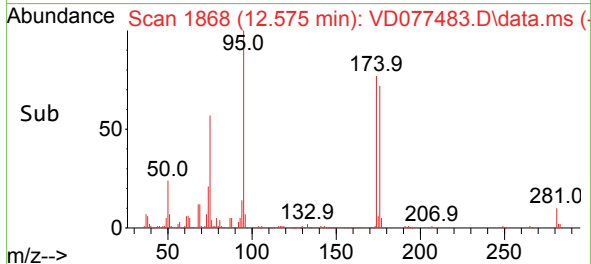
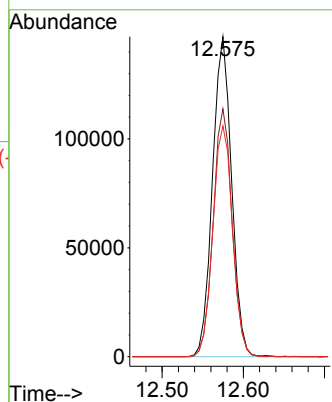
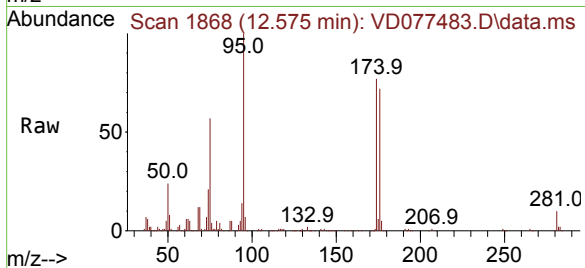




#62
4-Bromofluorobenzene
Concen: 48.816 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

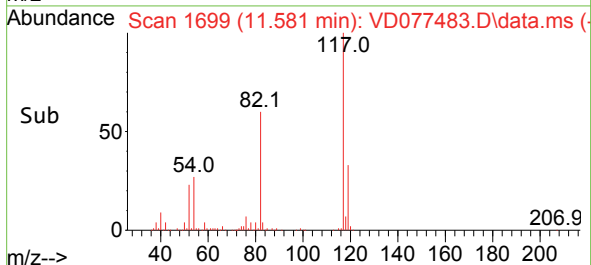
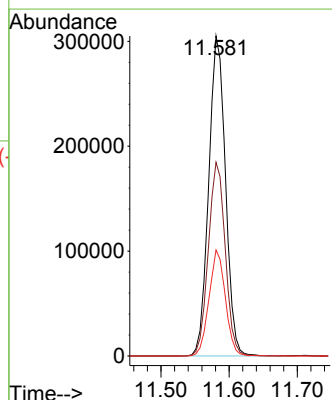
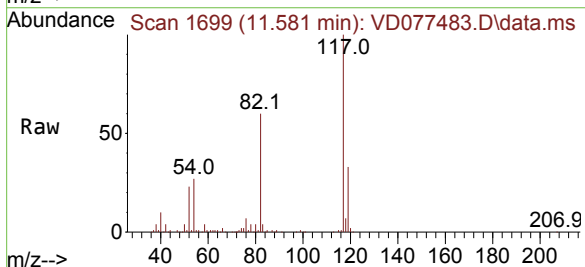
Instrument :
MSVOA_D
ClientSampleId :

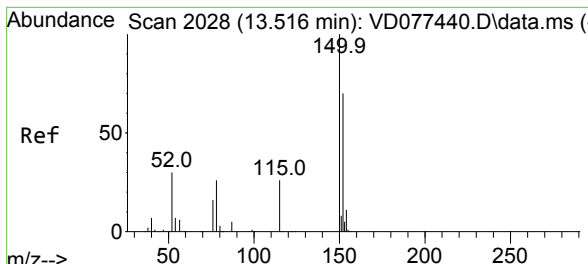
Tgt Ion: 95 Resp: 239876
Ion Ratio Lower Upper
95 100
174 76.8 0.0 201.8
176 74.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077483.D
Acq: 01 Nov 2023 16:22

Tgt Ion: 117 Resp: 522742
Ion Ratio Lower Upper
117 100
82 60.5 38.3 57.5#
119 33.1 25.0 37.4

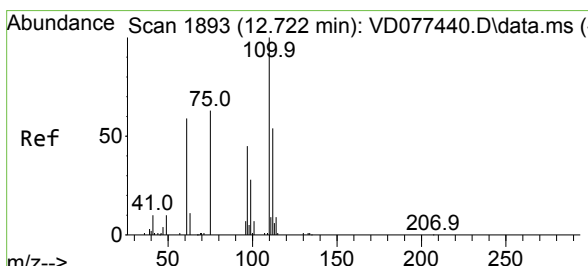
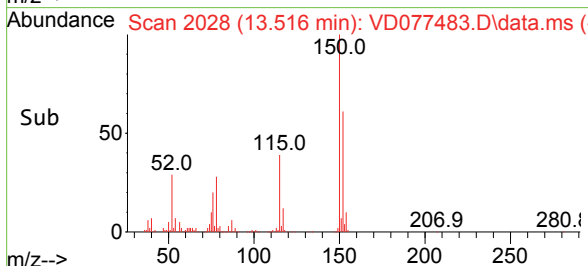
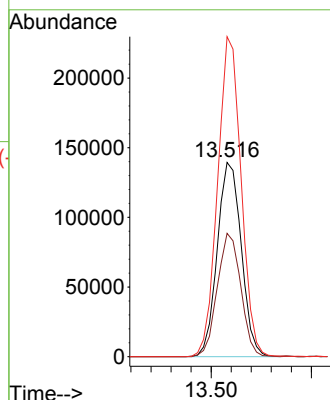
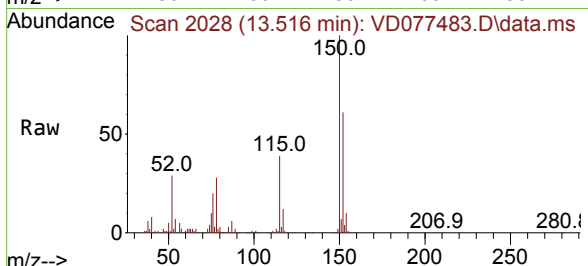




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077483.D
 Acq: 01 Nov 2023 16:22

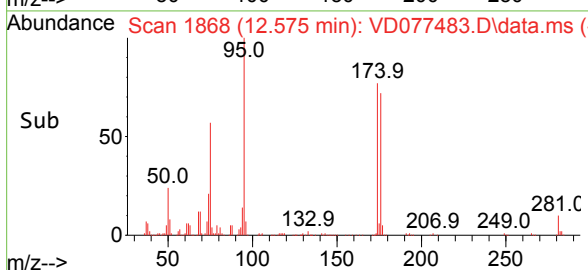
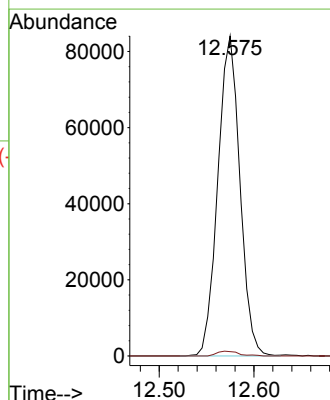
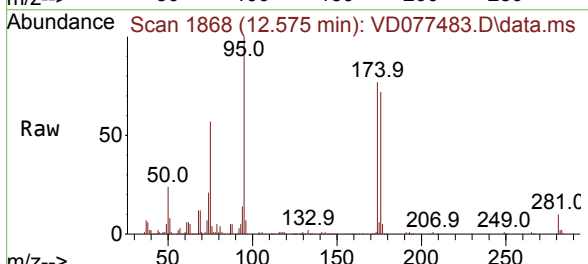
Instrument :
 MSVOA_D
 ClientSampleId :

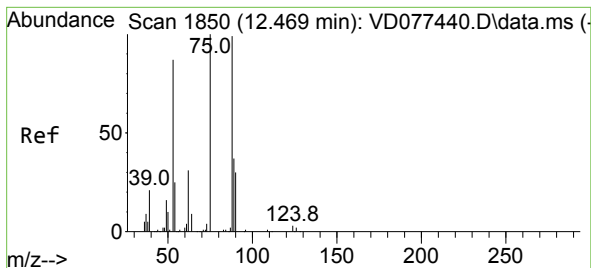
Tgt Ion:152 Resp: 231836
 Ion Ratio Lower Upper
 152 100
 115 62.0 27.1 81.3
 150 161.3 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 48.334 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077483.D
 Acq: 01 Nov 2023 16:22

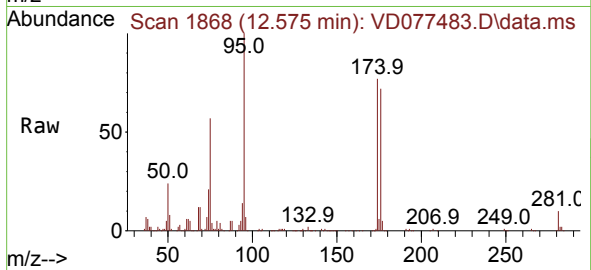
Tgt Ion: 75 Resp: 136383
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.364 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077483.D
 Acq: 01 Nov 2023 16:22

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 136383
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.1 37.9 56.9#

