

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061923\
 Data File : VD076475.D
 Acq On : 19 Jun 2023 17:44
 Operator : KP/SY
 Sample : 03289-05
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-12.0-14.0

Quant Time: Jun 20 05:27:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

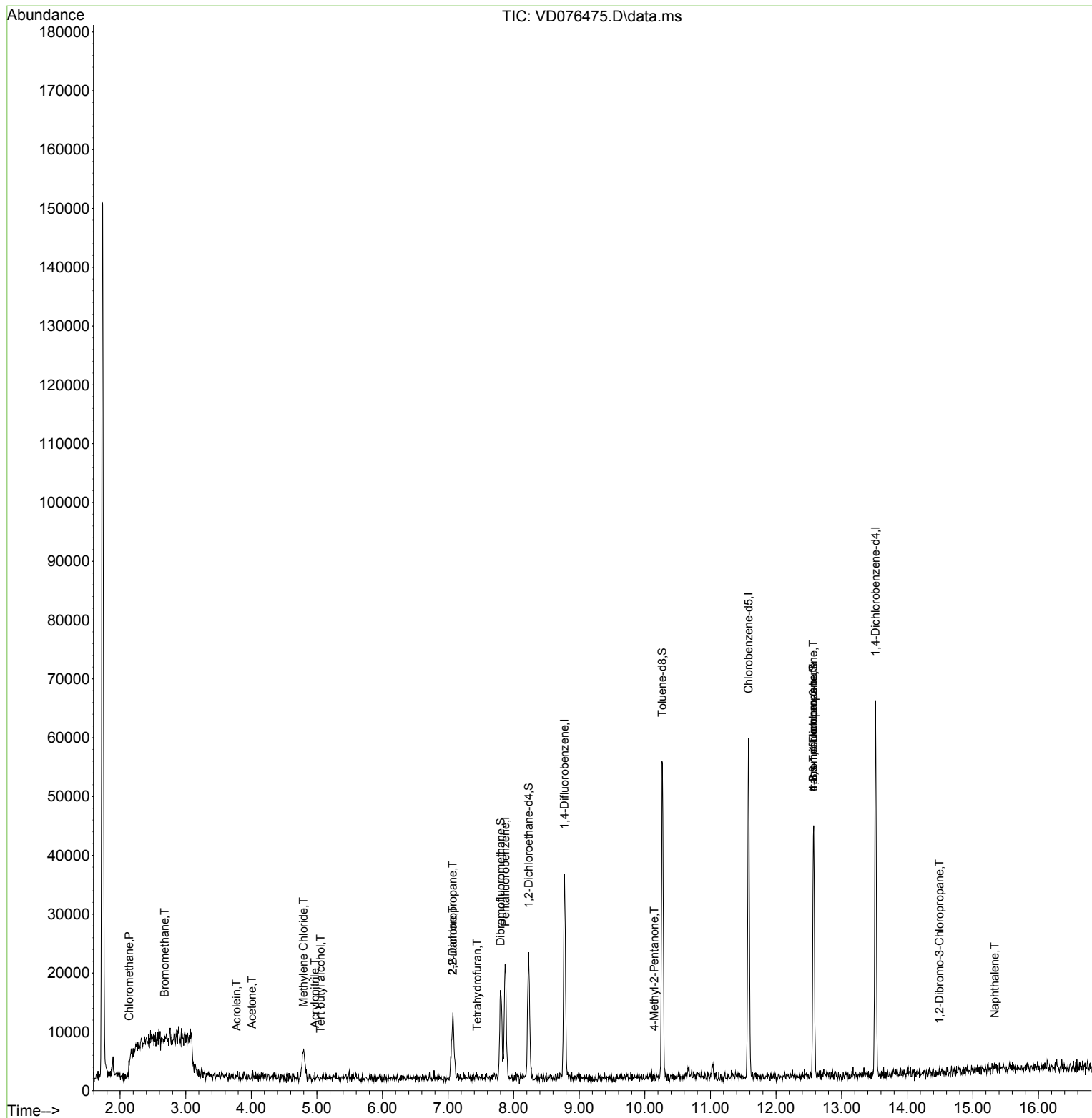
Internal Standards						
1) Pentafluorobenzene	7.875	168	15429	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	29640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	31541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	15682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	15606	100.954	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	201.900%	#
35) Dibromofluoromethane	7.799	113	10877	61.772	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	123.540%	
50) Toluene-d8	10.263	98	36451	54.585	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	109.180%	
62) 4-Bromofluorobenzene	12.569	95	13291	61.327	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	122.660%	
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	280	1.148	ug/l	# 41
5) Bromomethane	2.681	94	210	1.187	ug/l	# 2
11) Tert butyl alcohol	5.058	59	86	6.443	ug/l	# 73
13) Acrolein	3.775	56	59	4.104	ug/l	# 15
15) Acrylonitrile	4.969	53	82	1.893	ug/l	# 18
16) Acetone	4.011	43	99	2.691	ug/l	# 32
20) Methylene Chloride	4.793	84	3598	11.463	ug/l	# 84
25) 2-Butanone	7.069	43	582	10.229	ug/l	# 37
26) 2,2-Dichloropropane	7.069	77	428	1.592	ug/l	# 49
28) Bromochloromethane	7.334	49	58	Below Cal	#	1
29) Tetrahydrofuran	7.446	42	108	2.954	ug/l	# 23
31) Cyclohexane	7.869	56	232	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.146	43	168	1.215	ug/l	# 28
76) 1,2,3-Trichloropropane	12.569	75	7316	47.006	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	7316	103.001	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.492	75	60	1.830	ug/l	# 1
95) Naphthalene	15.334	128	611	1.025	ug/l	# 69

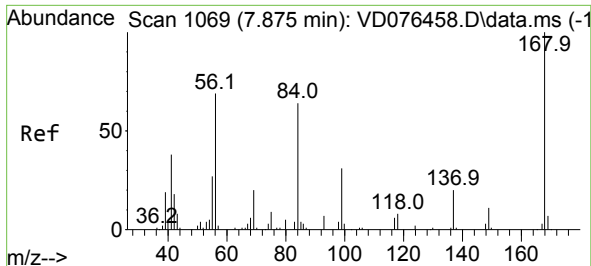
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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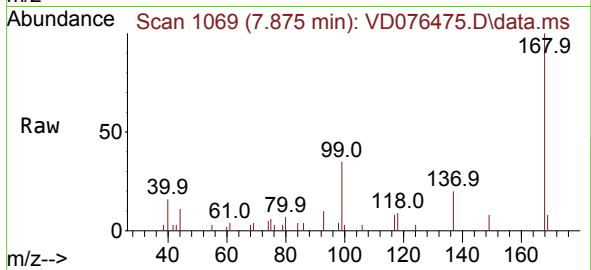
Quant Time: Jun 20 05:27:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



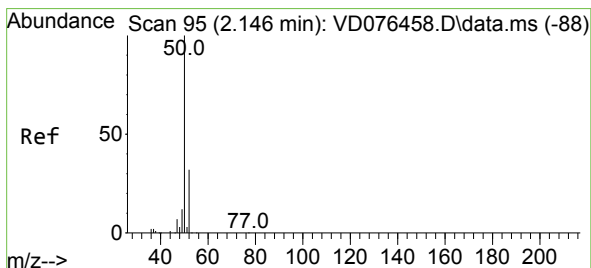
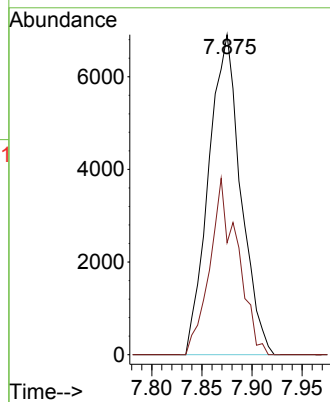
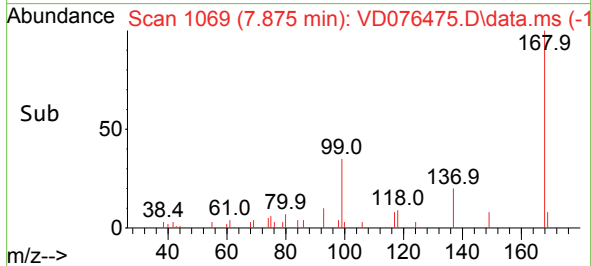


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

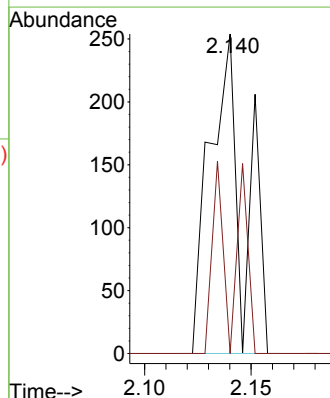
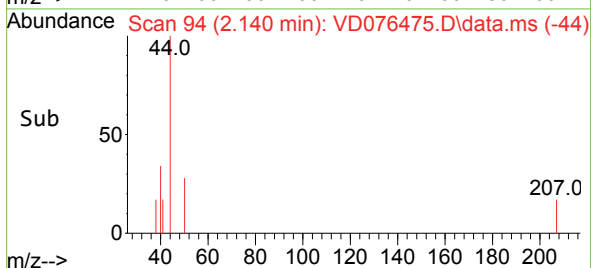
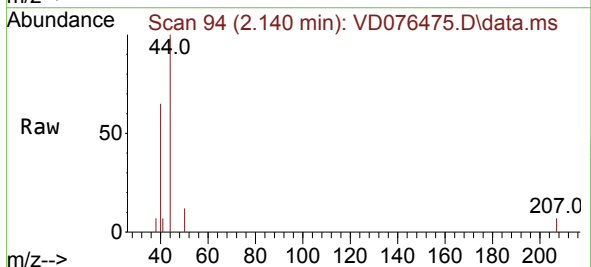


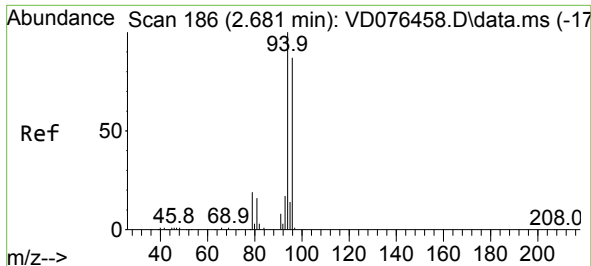
Tgt Ion:168 Resp: 15429
Ion Ratio Lower Upper
168 100
99 35.0 36.7 55.1#



#3
Chloromethane
Concen: 1.148 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 50 Resp: 280
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

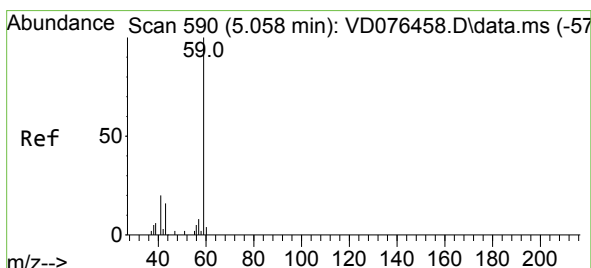
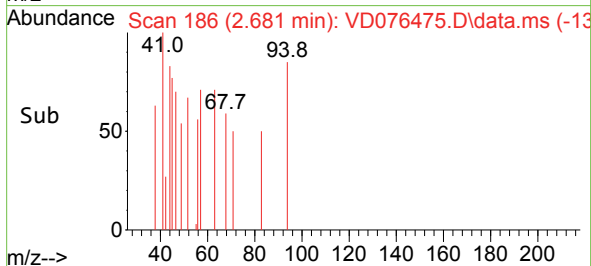
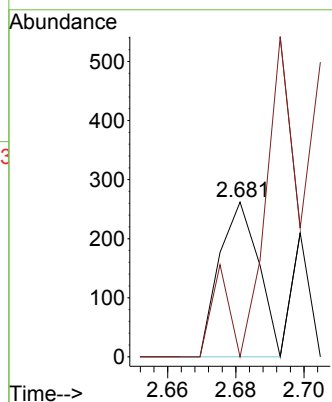
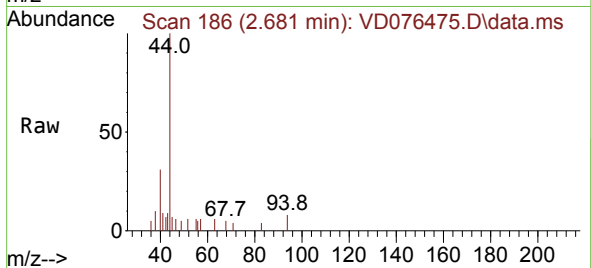




#5
Bromomethane
Concen: 1.187 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

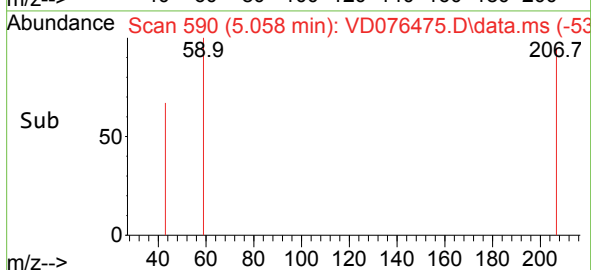
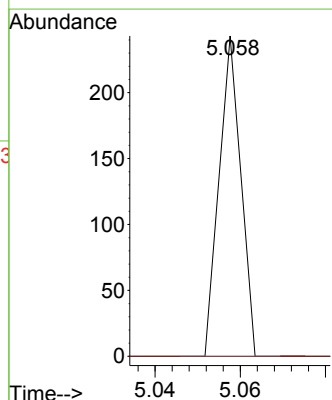
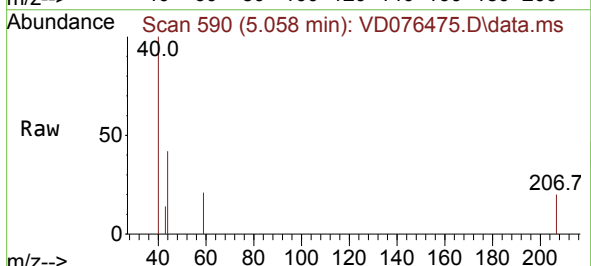
Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

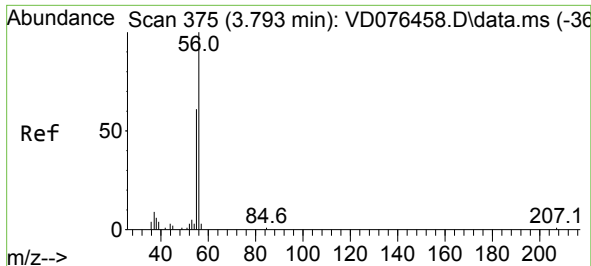
Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.8#



#11
Tert butyl alcohol
Concen: 6.443 ug/l
RT: 5.058 min Scan# 590
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

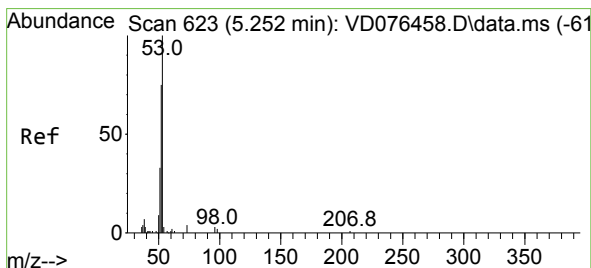
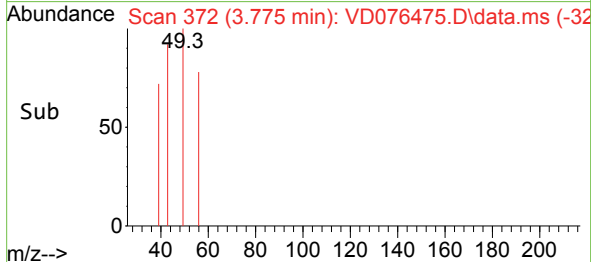
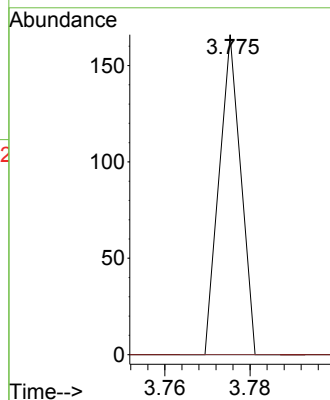
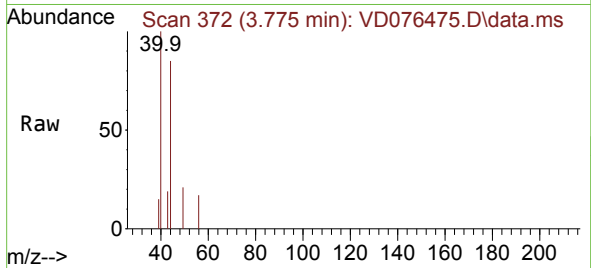




#13
Acrolein
Concen: 4.104 ug/l
RT: 3.775 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

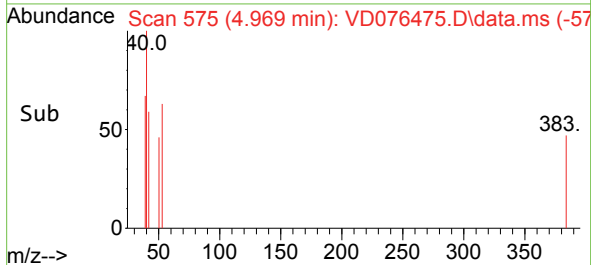
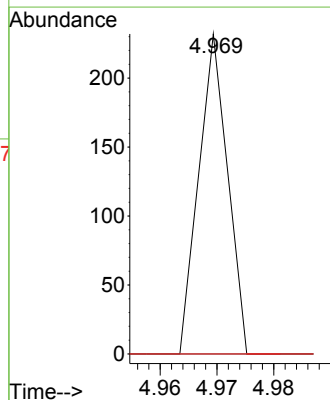
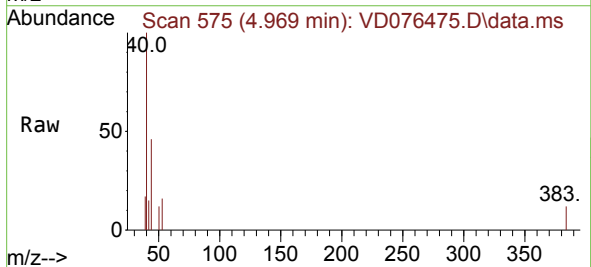
Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

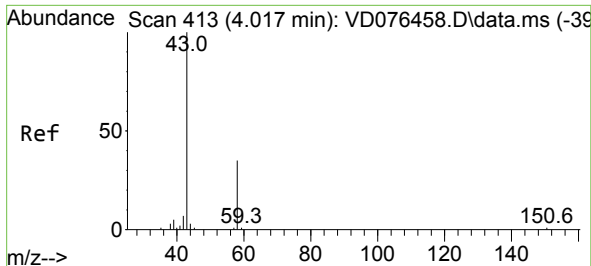
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 1.893 ug/l
RT: 4.969 min Scan# 575
Delta R.T. -0.282 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 53 Resp: 82
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#





#16

Acetone

Concen: 2.691 ug/l

RT: 4.011 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076475.D

Acq: 19 Jun 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

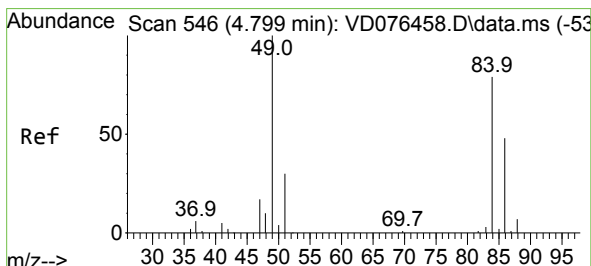
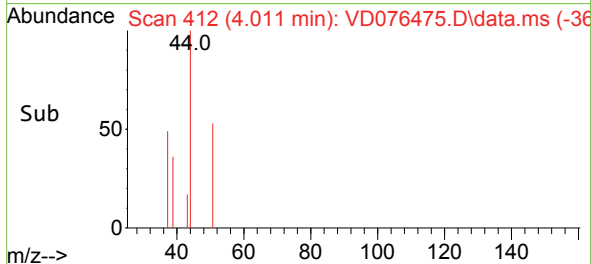
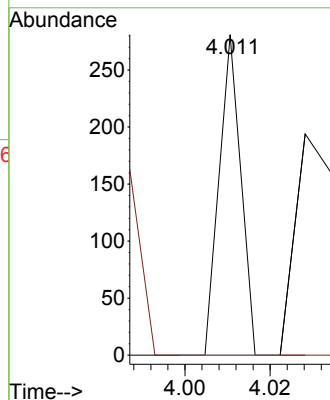
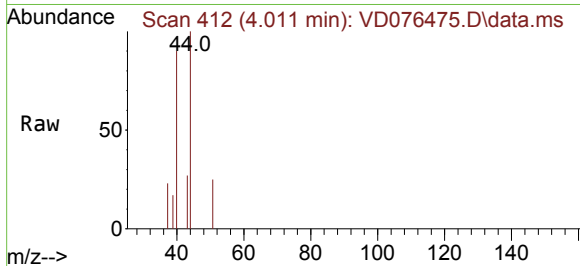
SB-02-12.0-14.0

Tgt Ion: 43 Resp: 99

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: 11.463 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD076475.D

Acq: 19 Jun 2023 17:44

Tgt Ion: 84 Resp: 3598

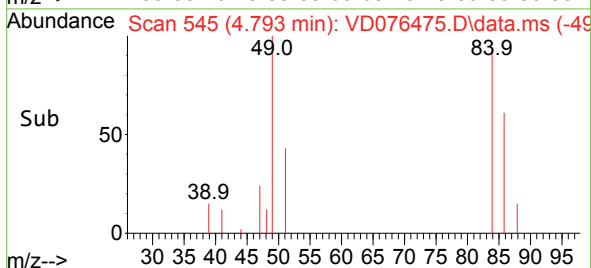
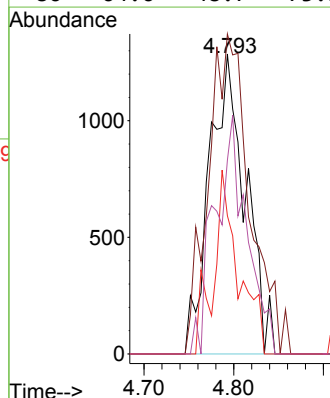
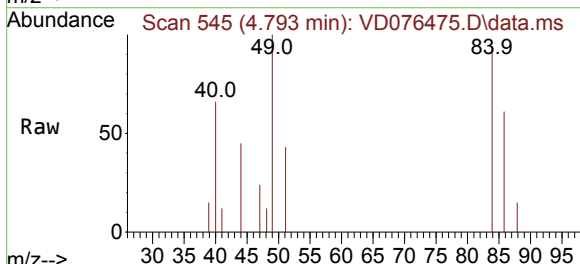
Ion Ratio Lower Upper

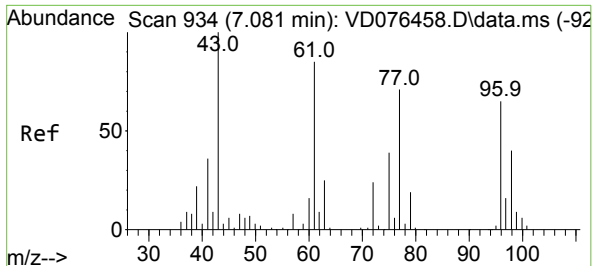
84 100

49 106.7 71.4 107.2

51 46.1 24.5 36.7#

86 64.6 48.7 73.1

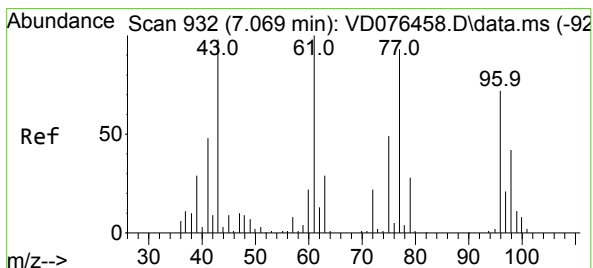
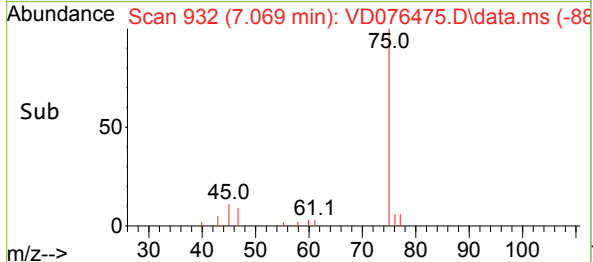
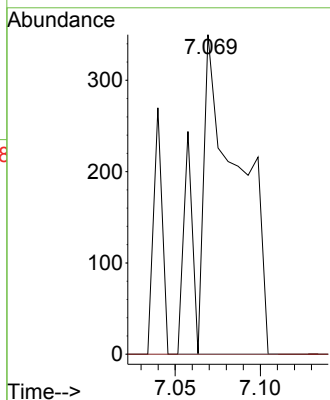
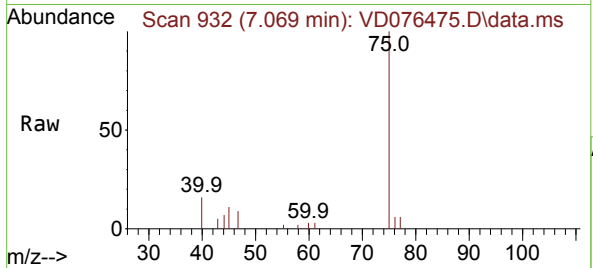




#25
2-Butanone
Concen: 10.229 ug/l
RT: 7.069 min Scan# 912
Delta R.T. -0.012 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

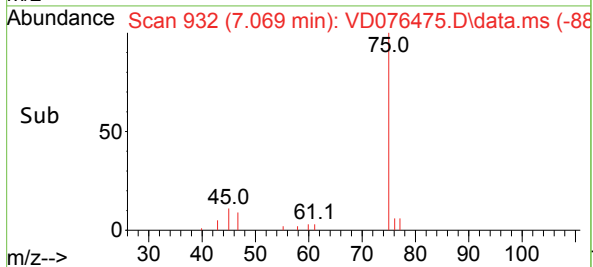
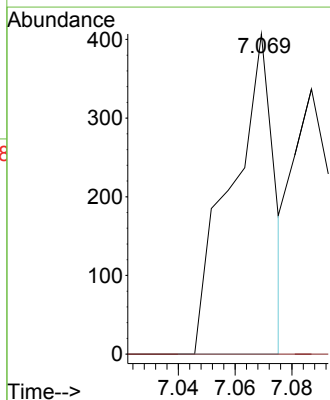
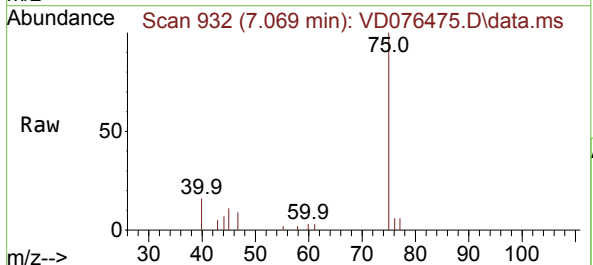
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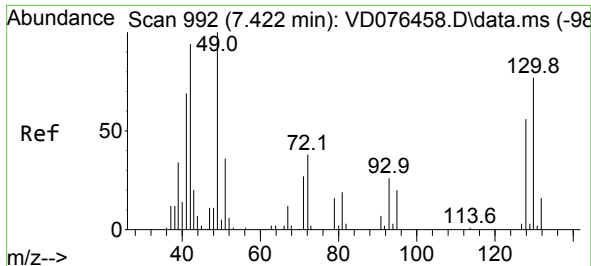
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.592 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 77 Resp: 428
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#

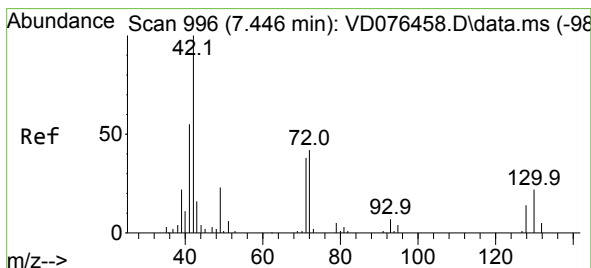
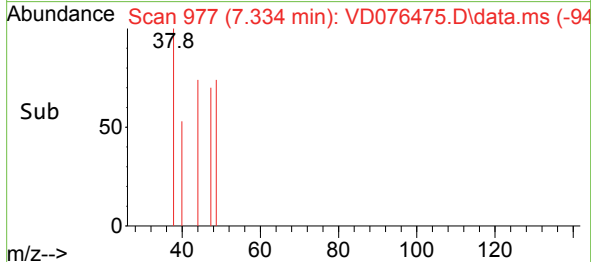
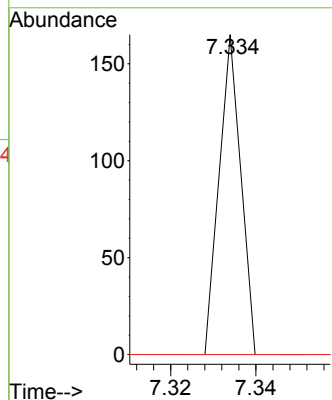
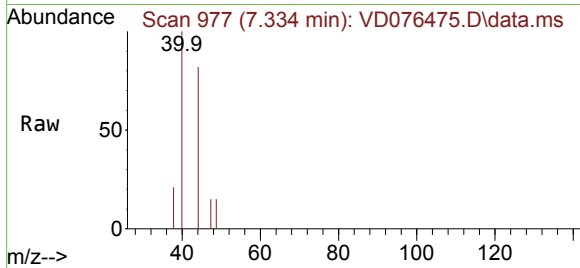




#28
Bromochloromethane
Concen: Below Cal
RT: 7.334 min Scan# 91
Delta R.T. -0.088 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

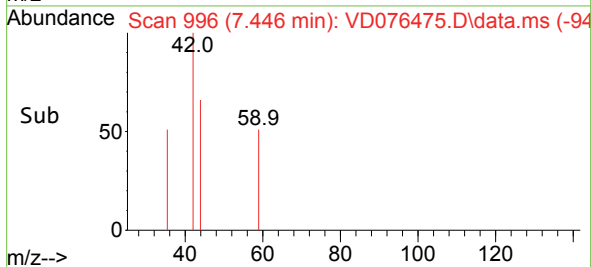
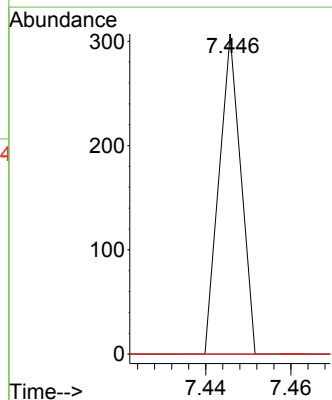
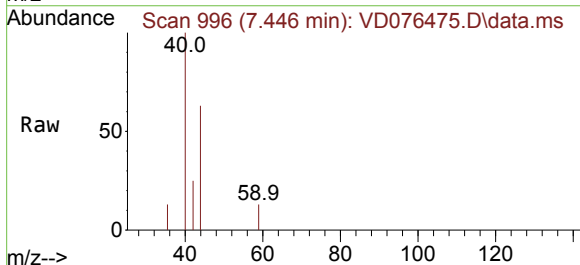
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MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

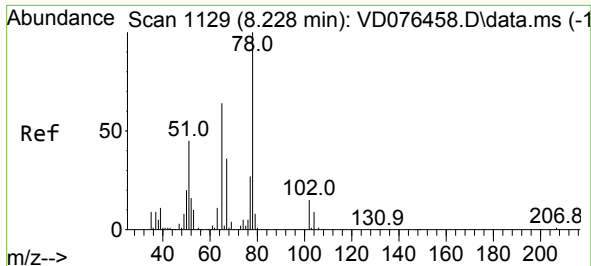
Tgt Ion: 49 Resp: 58
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 2.954 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 42 Resp: 108
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 100.954 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076475.D

Acq: 19 Jun 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

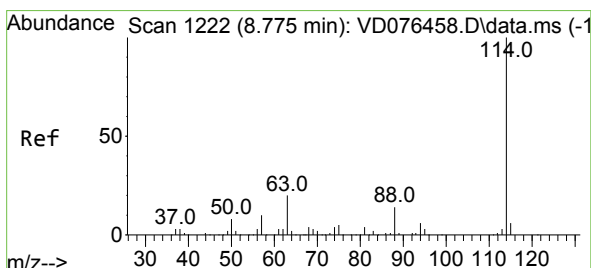
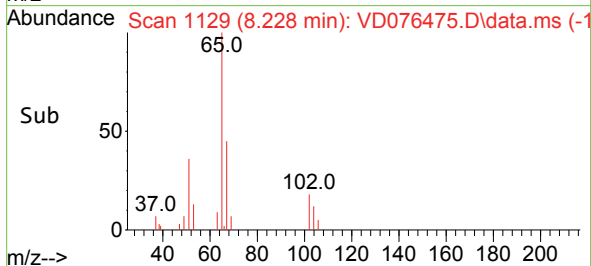
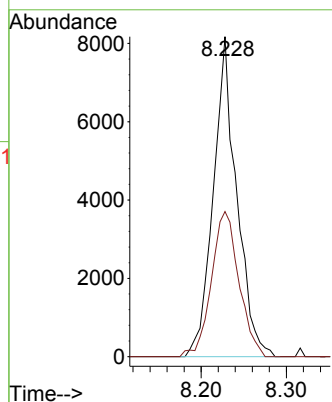
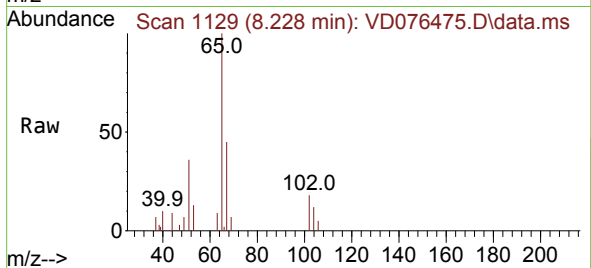
SB-02-12.0-14.0

Tgt Ion: 65 Resp: 15606

Ion Ratio Lower Upper

65 100

67 53.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076475.D

Acq: 19 Jun 2023 17:44

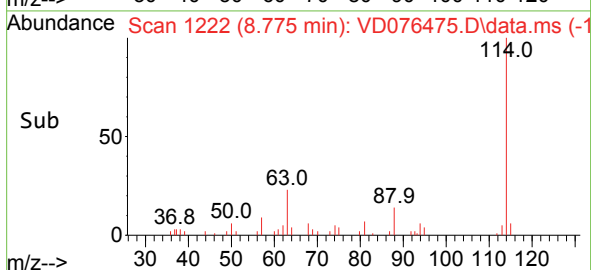
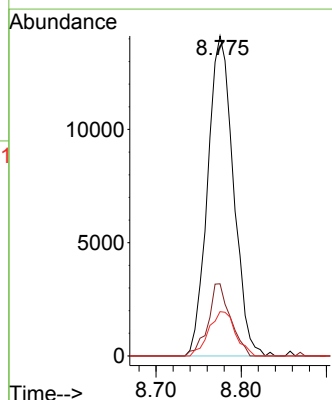
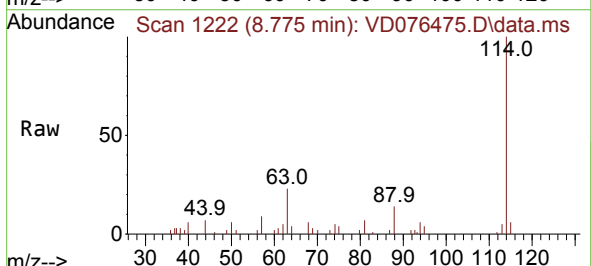
Tgt Ion: 114 Resp: 29640

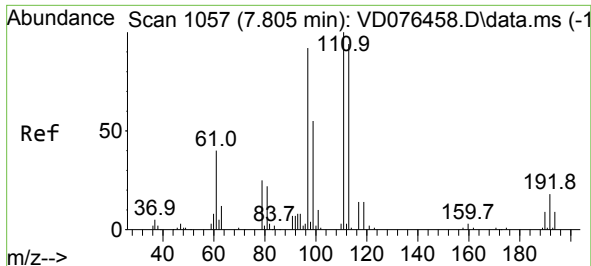
Ion Ratio Lower Upper

114 100

63 22.5 0.0 33.4

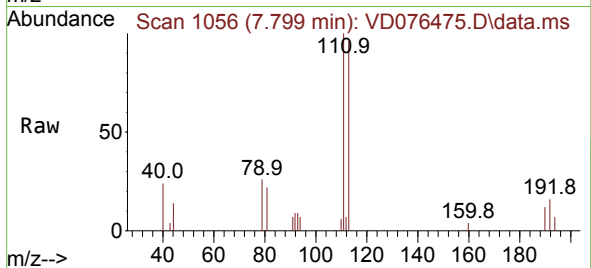
88 13.9 0.0 26.2



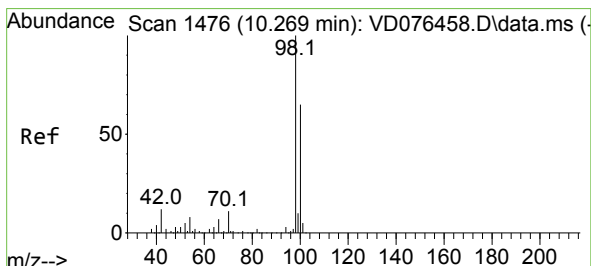
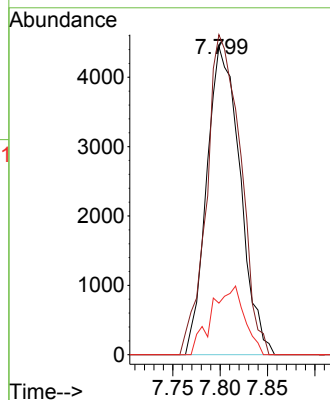
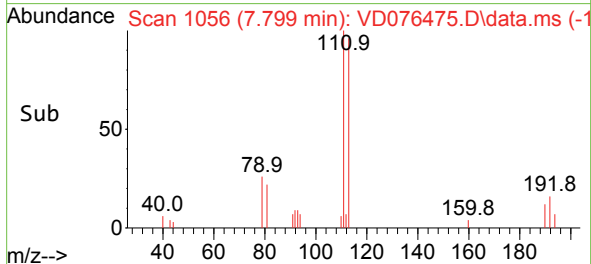


#35
Dibromofluoromethane
Concen: 61.772 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

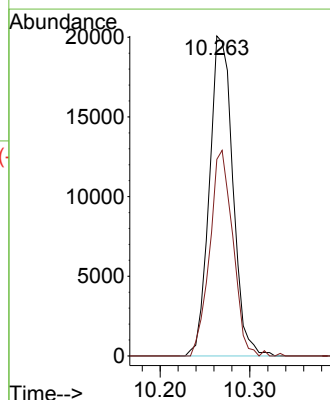
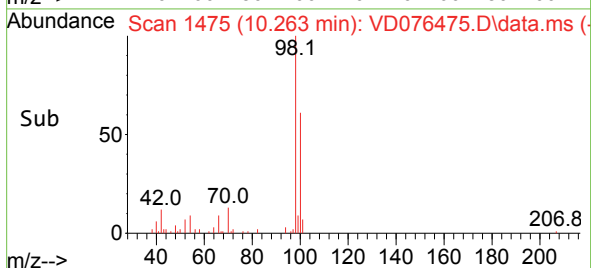
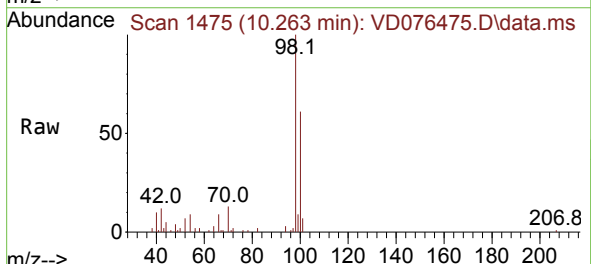


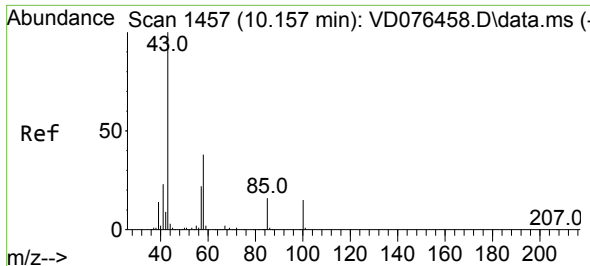
Tgt Ion:113 Resp: 10877
Ion Ratio Lower Upper
113 100
111 105.5 84.7 127.1
192 22.1 16.8 25.2



#50
Toluene-d8
Concen: 54.585 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 98 Resp: 36451
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5

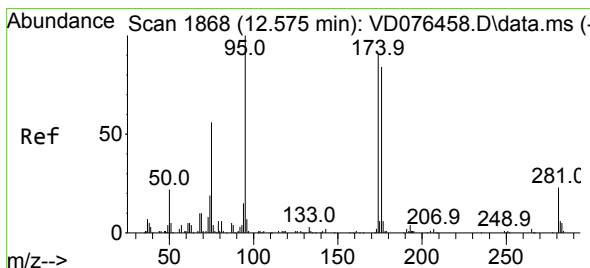
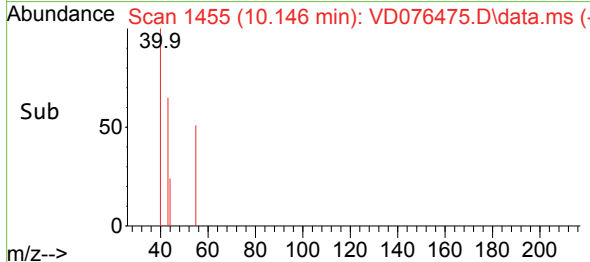
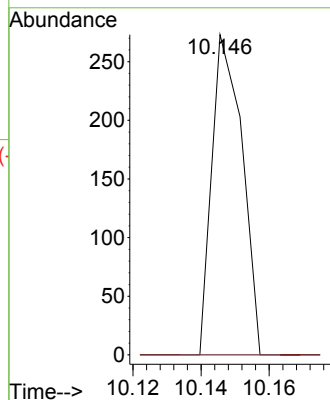
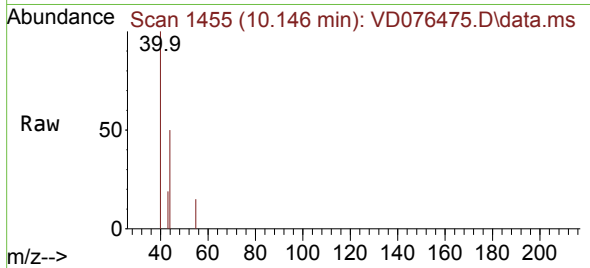




#51
4-Methyl-2-Pentanone
Concen: 1.215 ug/l
RT: 10.146 min Scan# 1455
Delta R.T. -0.012 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

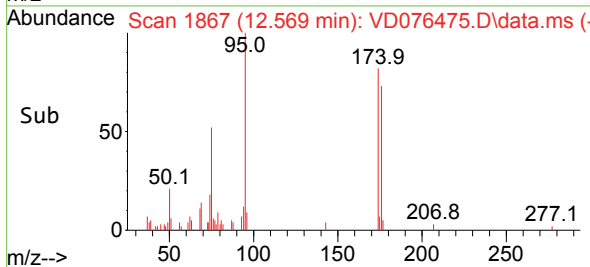
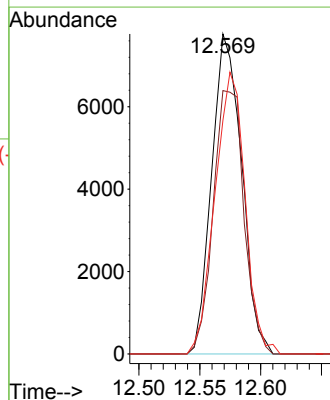
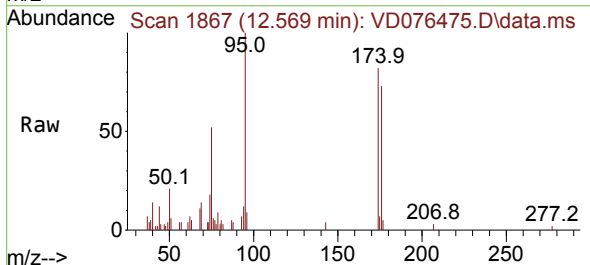
Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

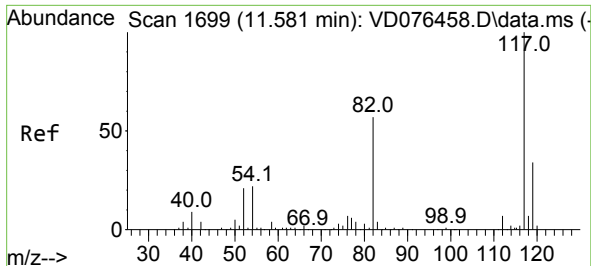
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 61.327 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 95 Resp: 13291
Ion Ratio Lower Upper
95 100
174 84.7 0.0 201.8
176 88.5 0.0 191.8

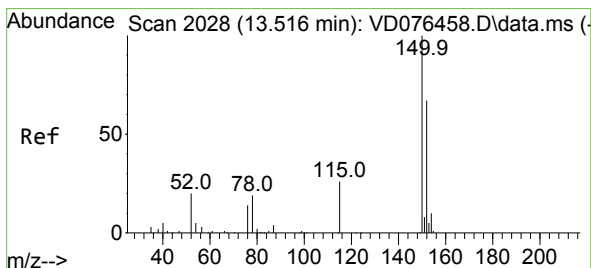
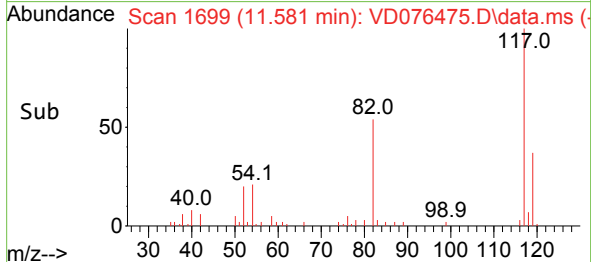
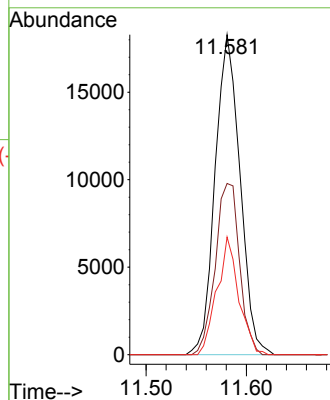
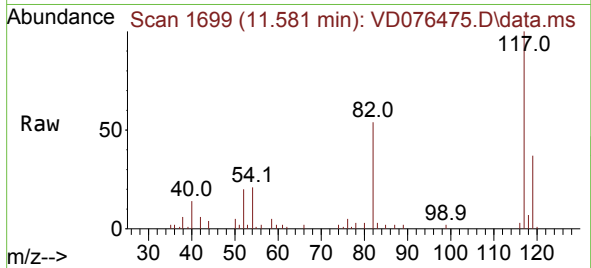




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

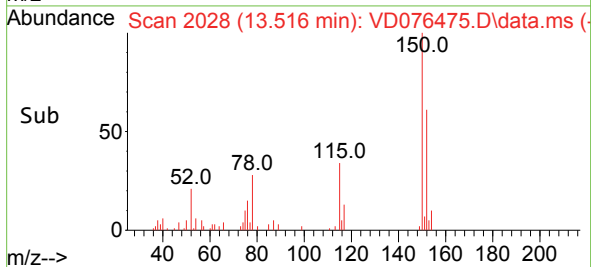
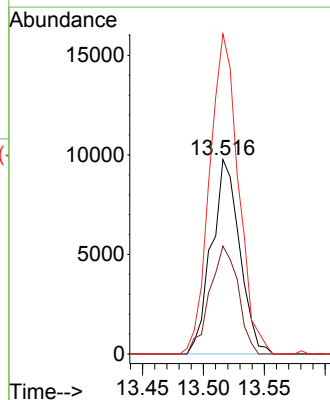
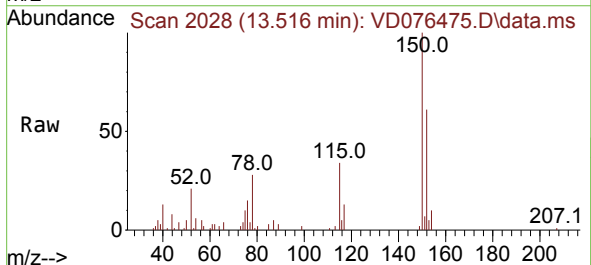
Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

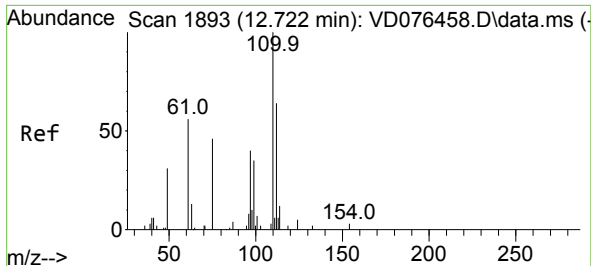
Tgt Ion:117 Resp: 31541
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 36.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion:152 Resp: 15682
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 168.7 0.0 353.6

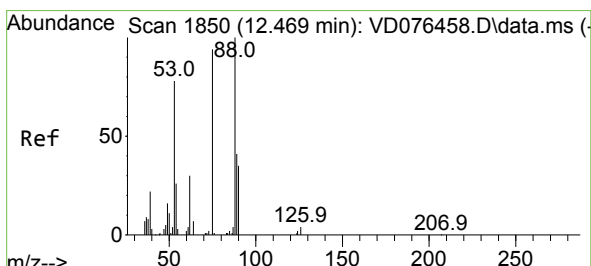
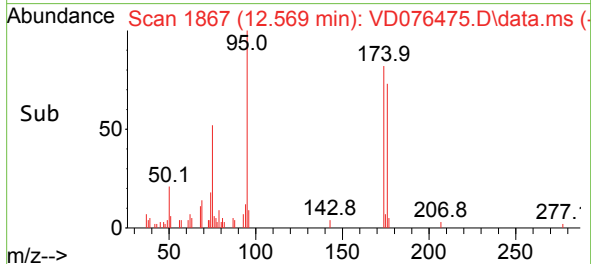
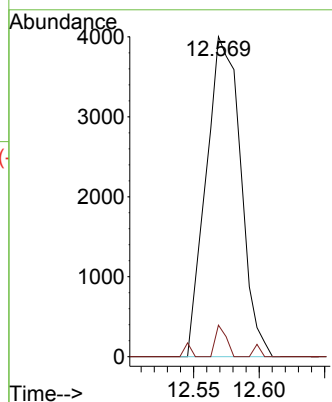
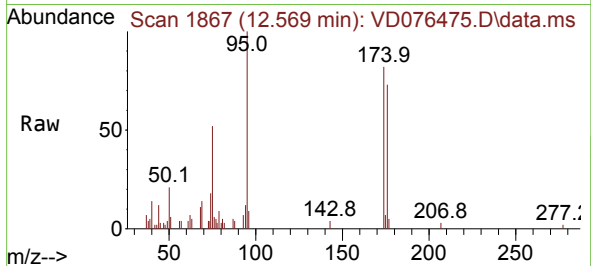




#76
1,2,3-Trichloropropane
Concen: 47.006 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

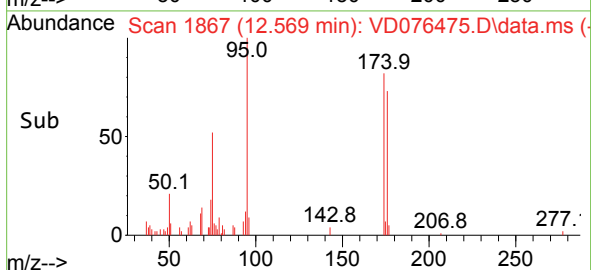
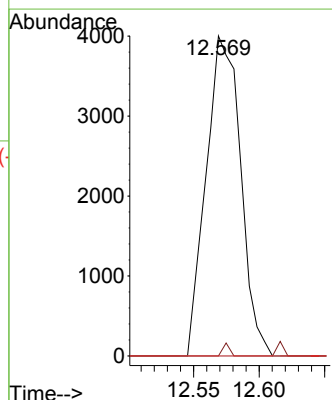
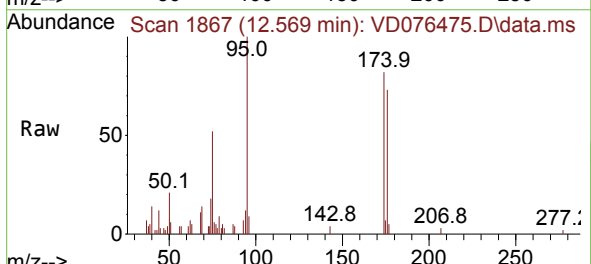
Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

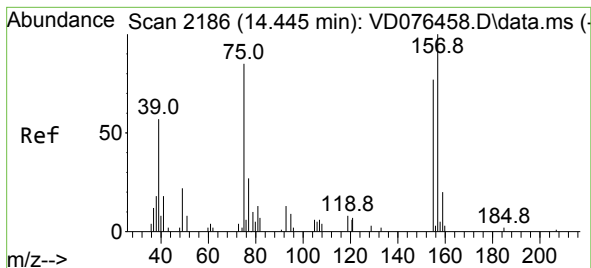
Tgt Ion: 75 Resp: 7316
Ion Ratio Lower Upper
75 100
77 3.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.001 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion: 75 Resp: 7316
Ion Ratio Lower Upper
75 100
53 0.8 63.0 94.4#
89 0.0 37.9 56.9#

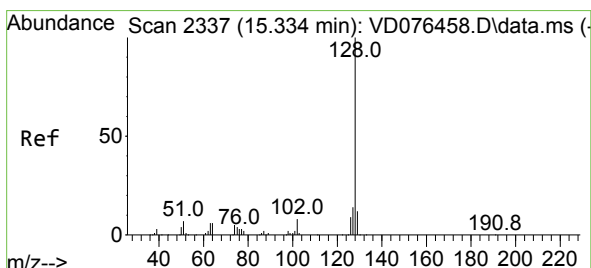
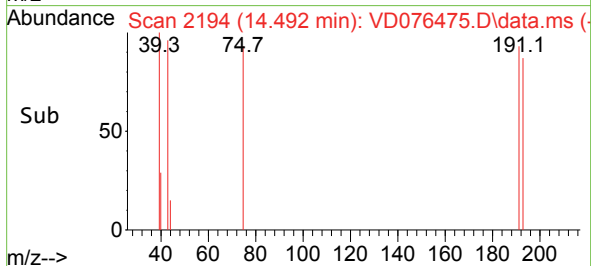
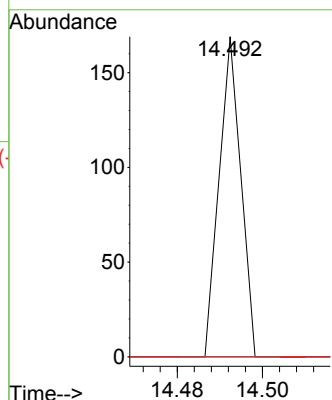
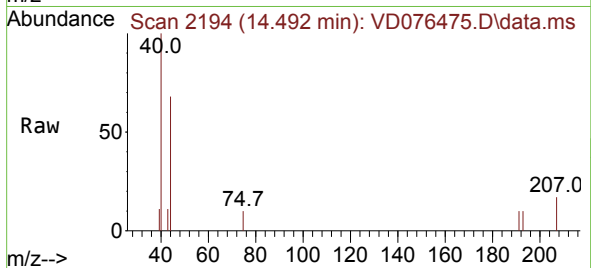




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.830 ug/l
RT: 14.492 min Scan# 2186
Delta R.T. 0.047 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :
SB-02-12.0-14.0

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 1.025 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD076475.D
Acq: 19 Jun 2023 17:44

Tgt Ion:128 Resp: 611
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

