

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077480.D
 Acq On : 01 Nov 2023 15:00
 Operator : JC/SY
 Sample : 05197-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:55:57 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)

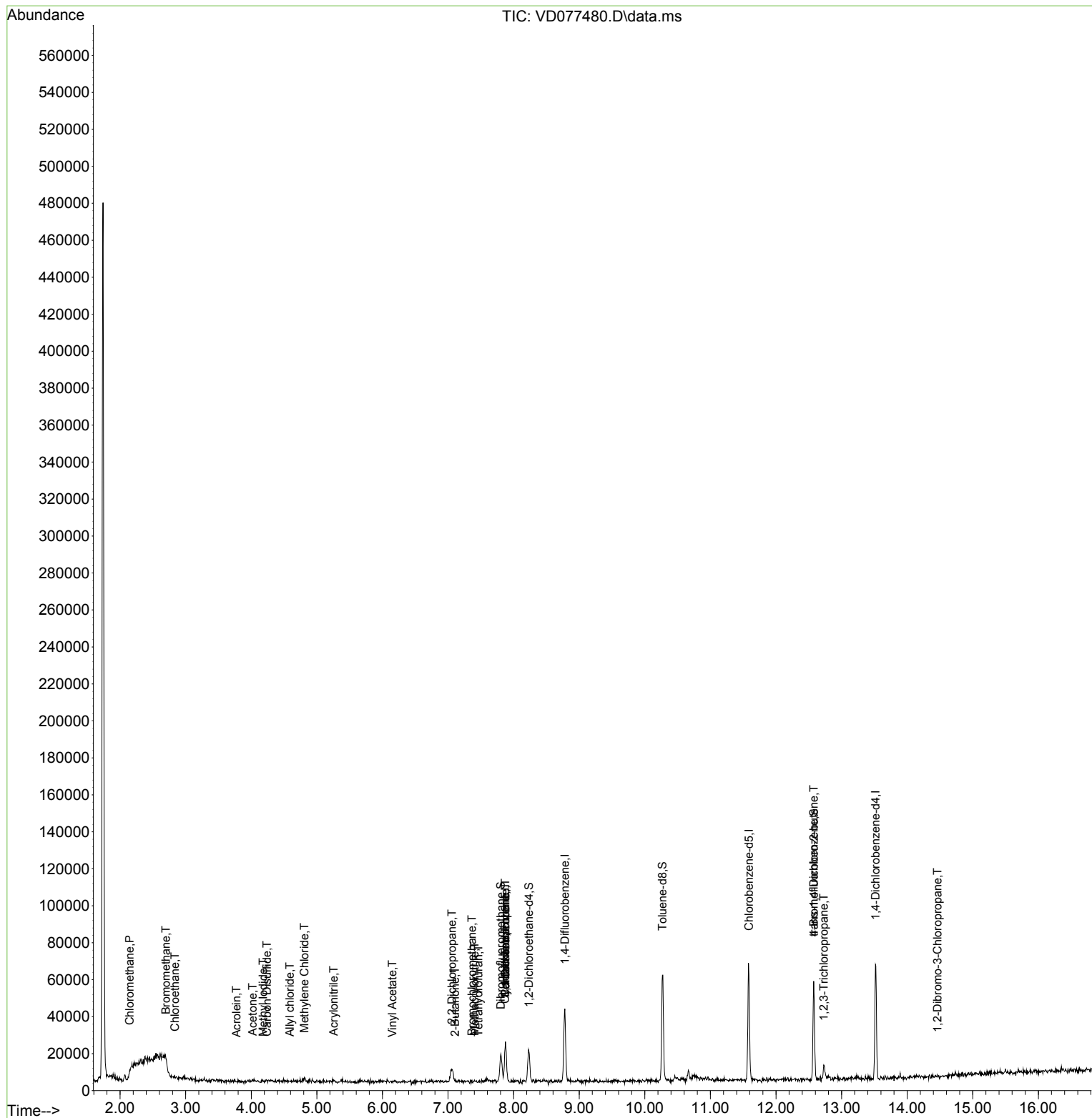
Internal Standards						
1) Pentafluorobenzene	7.875	168	14759	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	30673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	32182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	15930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	13675	65.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.040%
35) Dibromofluoromethane	7.805	113	10029	47.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.620%
50) Toluene-d8	10.269	98	40245	48.873	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.740%
62) 4-Bromofluorobenzene	12.575	95	15523	55.970	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	315	1.667	ug/l	# 1
5) Bromomethane	2.699	94	436	4.516	ug/l	# 32
6) Chloroethane	2.834	64	366	2.951	ug/l	# 43
10) Methyl Iodide	4.181	142	94	3.596	ug/l	# 46
13) Acrolein	3.775	56	58	2.660	ug/l	# 1
14) Allyl chloride	4.587	41	483	1.358	ug/l	# 27
15) Acrylonitrile	5.258	53	122	2.433	ug/l	# 18
16) Acetone	4.022	43	1090	19.738	ug/l	# 32
17) Carbon Disulfide	4.240	76	54	3.866	ug/l	# 76
20) Methylene Chloride	4.811	84	1059	2.820	ug/l	# 55
23) Vinyl Acetate	6.152	43	352	1.079	ug/l	# 63
25) 2-Butanone	7.105	43	215	2.919	ug/l	# 37
26) 2,2-Dichloropropane	7.058	77	383	1.102	ug/l	# 49
28) Bromochloromethane	7.363	49	59	2.423	ug/l	# 1
29) Tetrahydrofuran	7.463	42	90	2.060	ug/l	# 23
31) Cyclohexane	7.869	56	399	1.223	ug/l	# 51
36) 1,1-Dichloropropene	7.875	75	1317	4.190	ug/l	# 39
38) Carbon Tetrachloride	7.875	117	1987	6.708	ug/l	# 11
41) Methacrylonitrile	7.405	41	413	3.578	ug/l	# 31
76) 1,2,3-Trichloropropane	12.728	75	359	1.852	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	9315	92.804	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.463	75	62	1.446	ug/l	# 1

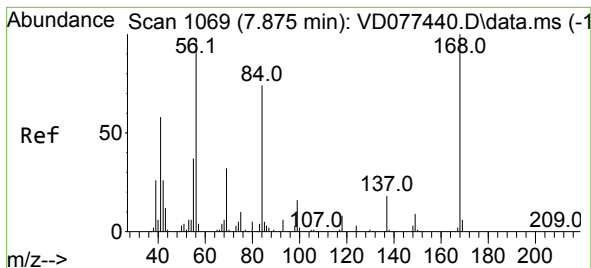
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 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: VD077480.D

Acq: 01 Nov 2023 15:00

Instrument :

MSVOA_D

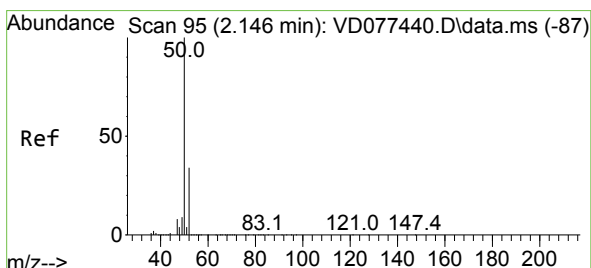
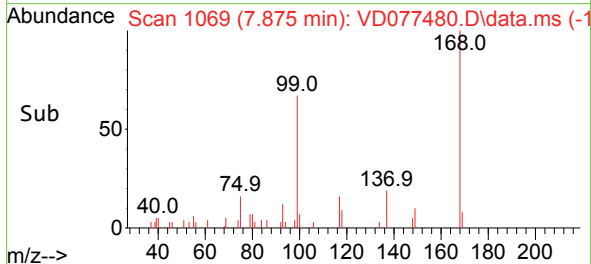
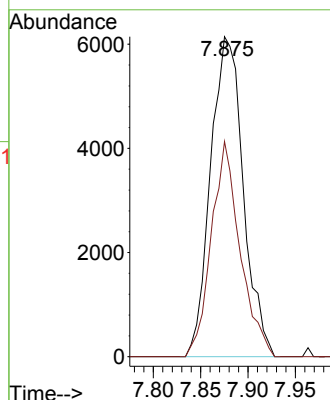
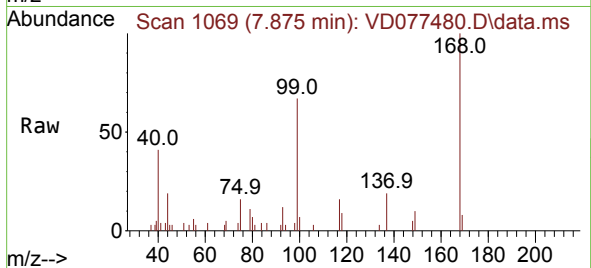
ClientSampleId :

Tgt Ion:168 Resp: 14759

Ion Ratio Lower Upper

168 100

99 67.3 36.7 55.1#



#3

Chloromethane

Concen: 1.667 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD077480.D

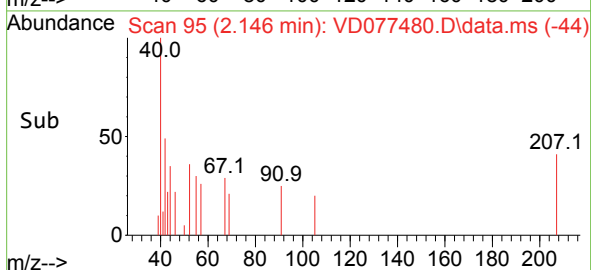
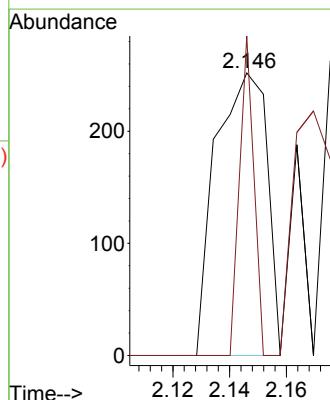
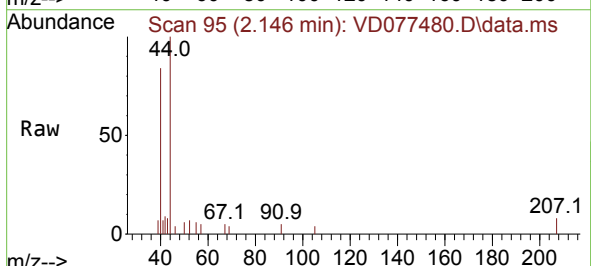
Acq: 01 Nov 2023 15:00

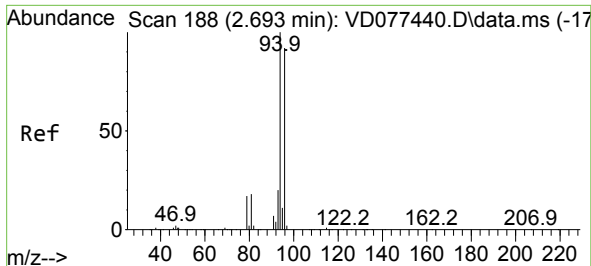
Tgt Ion: 50 Resp: 315

Ion Ratio Lower Upper

50 100

52 113.1 26.6 40.0#

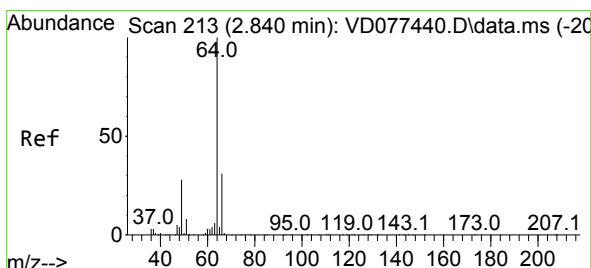
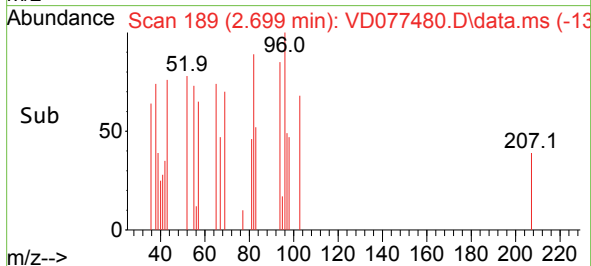
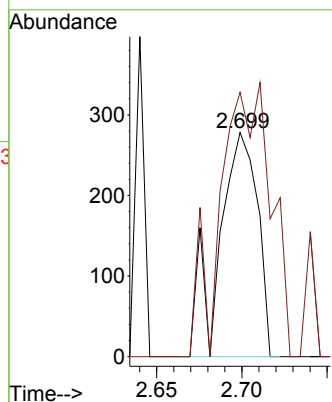
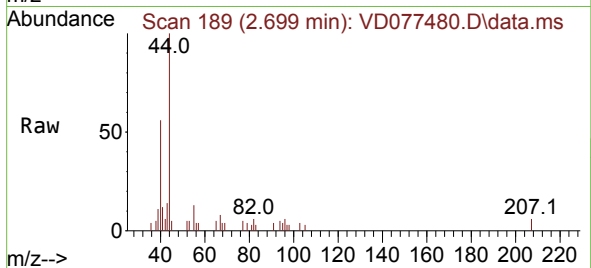




#5
Bromomethane
Concen: 4.516 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

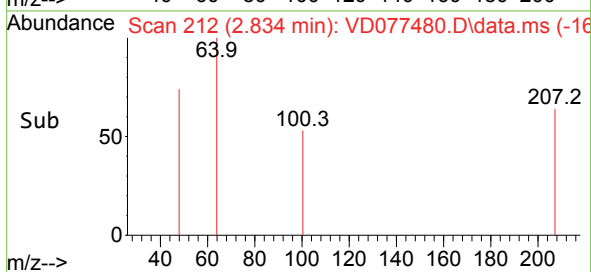
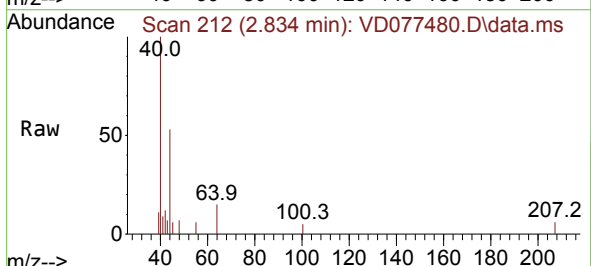
Instrument :
MSVOA_D
ClientSampleId :

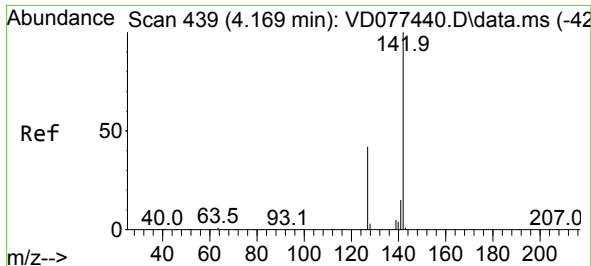
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 160.6 75.8 113.8#



#6
Chloroethane
Concen: 2.951 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

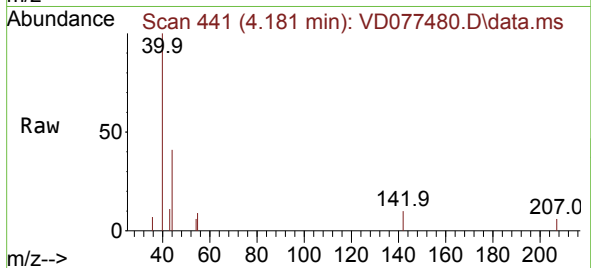
Tgt Ion: 64 Resp: 366
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



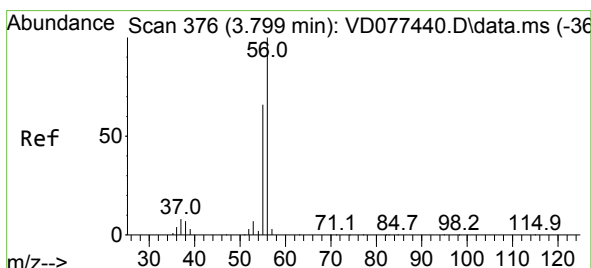
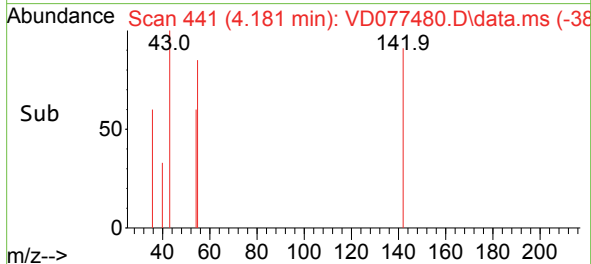
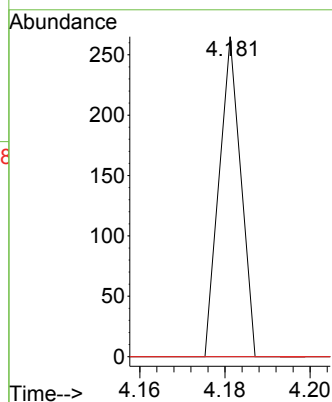


#10
Methyl Iodide
Concen: 3.596 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.012 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

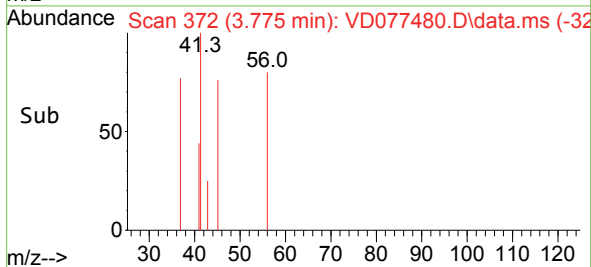
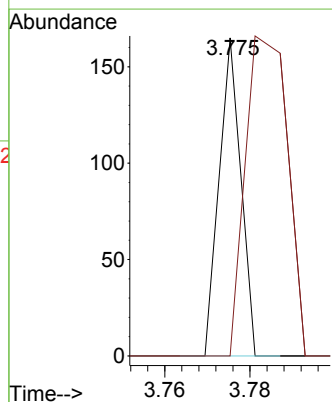
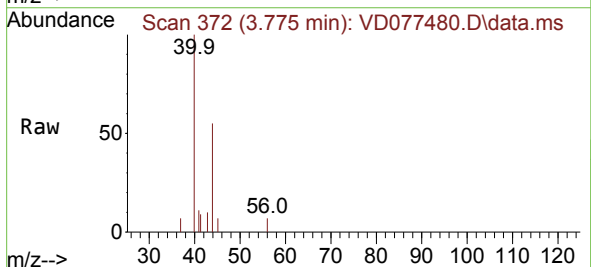


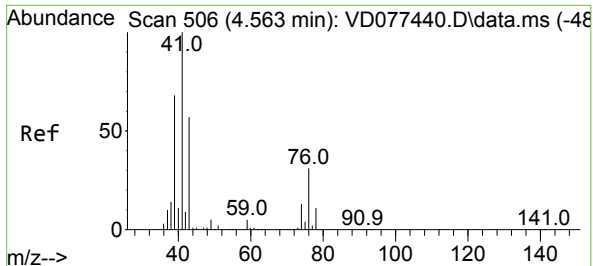
Tgt Ion:142 Resp: 94
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#



#13
Acrolein
Concen: 2.660 ug/l
RT: 3.775 min Scan# 372
Delta R.T. -0.023 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

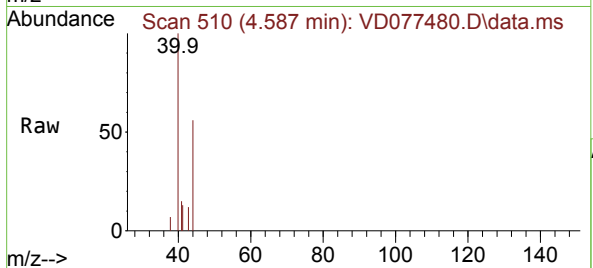
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 196.6 55.1 82.7#



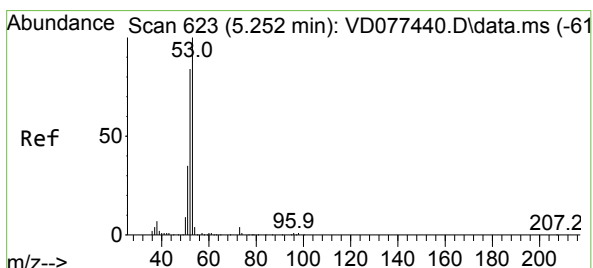
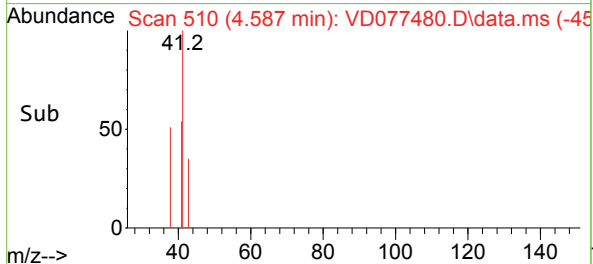
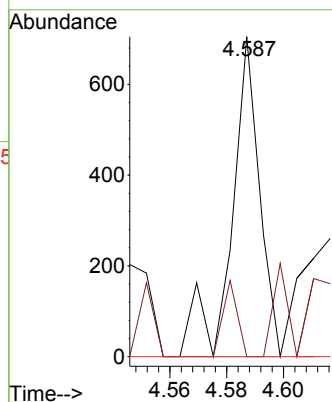


#14
 Allyl chloride
 Concen: 1.358 ug/l
 RT: 4.587 min Scan# 51
 Delta R.T. 0.024 min
 Lab File: VD077480.D
 Acq: 01 Nov 2023 15:00

Instrument :
 MSVOA_D
 ClientSampleId :

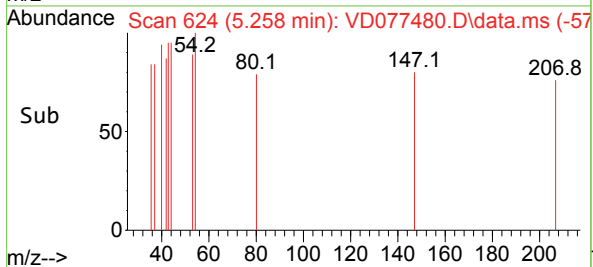
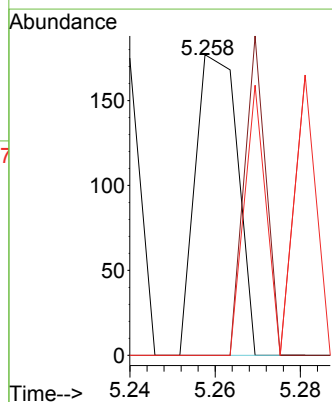
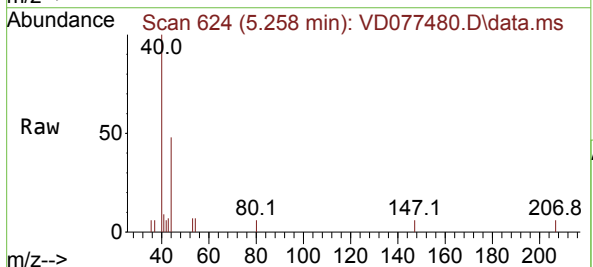


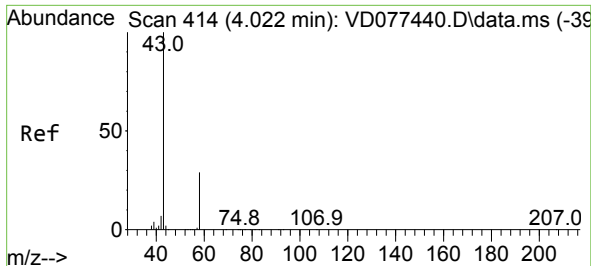
Tgt Ion: 41 Resp: 483
 Ion Ratio Lower Upper
 41 100
 39 12.2 53.8 80.6#
 76 0.0 45.8 68.8#



#15
 Acrylonitrile
 Concen: 2.433 ug/l
 RT: 5.258 min Scan# 624
 Delta R.T. 0.006 min
 Lab File: VD077480.D
 Acq: 01 Nov 2023 15:00

Tgt Ion: 53 Resp: 122
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.0 97.4#
 51 0.0 28.3 42.5#

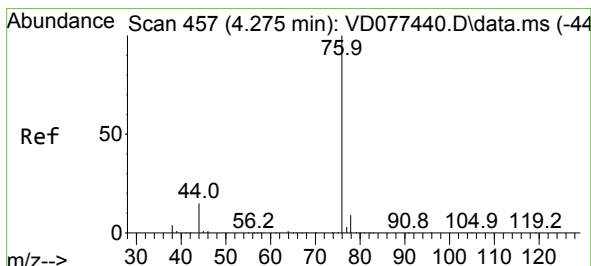
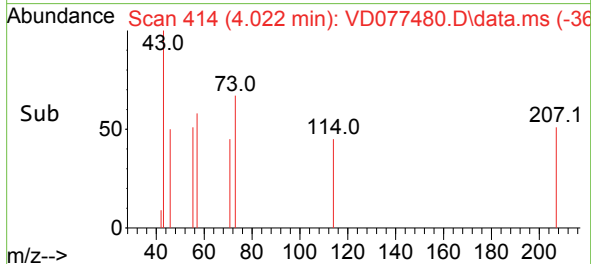
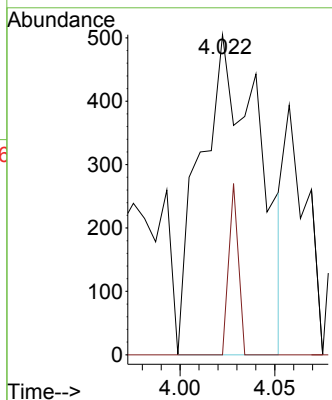
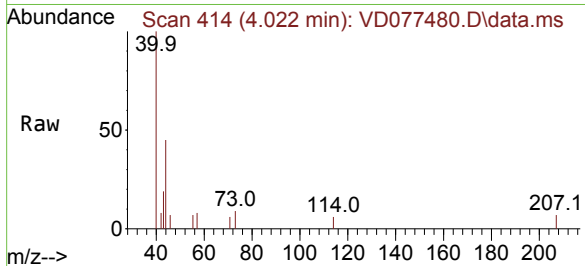




#16
Acetone
Concen: 19.738 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

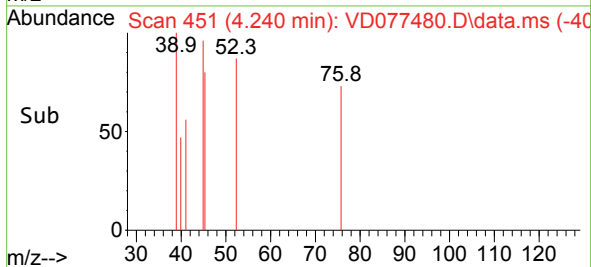
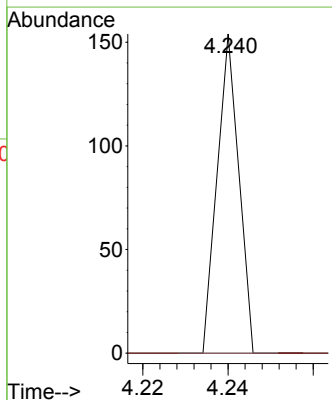
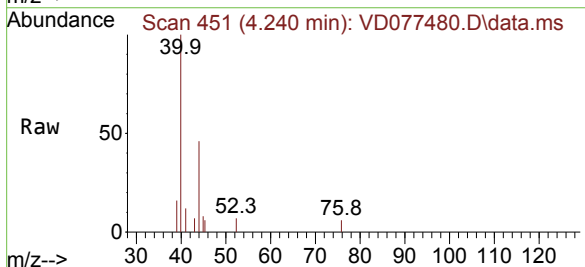
Instrument :
MSVOA_D
ClientSampleId :

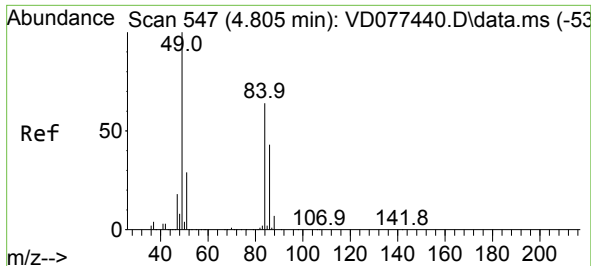
Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#17
Carbon Disulfide
Concen: 3.866 ug/l
RT: 4.240 min Scan# 451
Delta R.T. -0.035 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

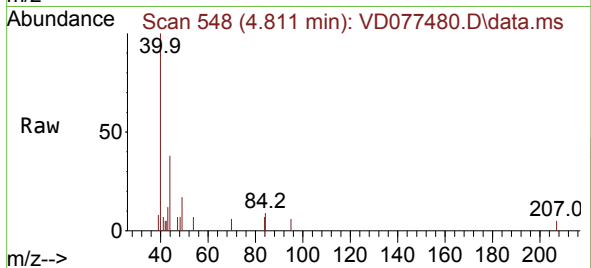
Tgt Ion: 76 Resp: 54
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



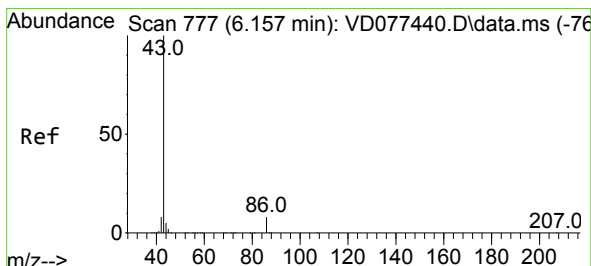
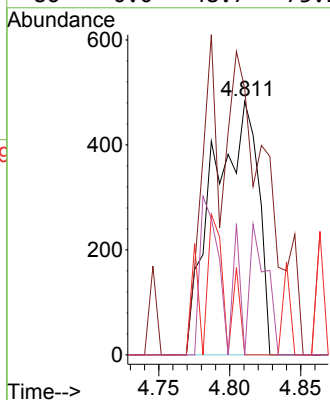
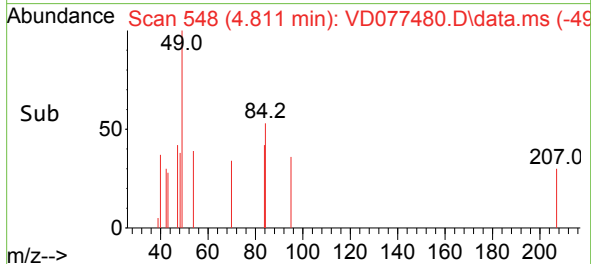


#20
Methylene Chloride
Concen: 2.820 ug/l
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

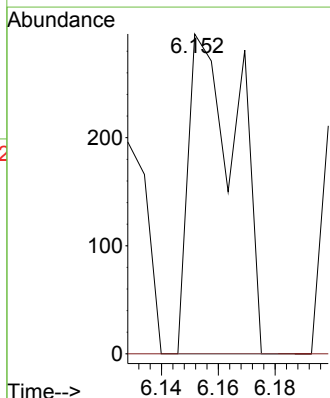
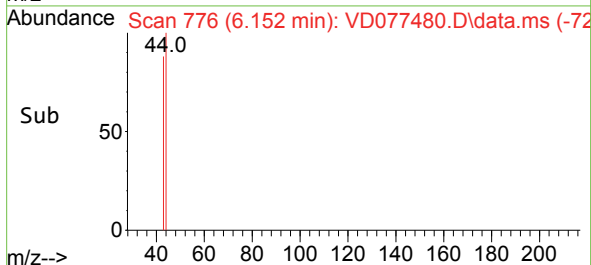
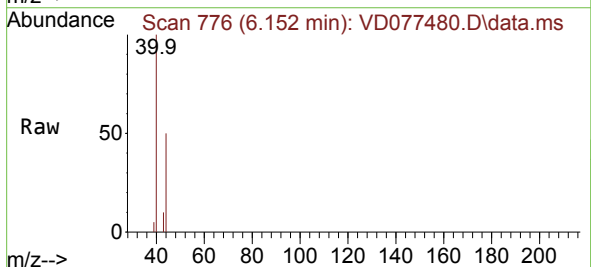


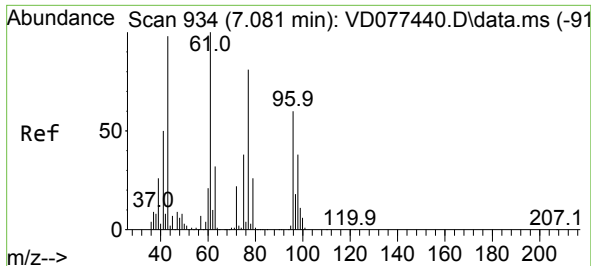
Tgt Ion: 84 Resp: 1059
Ion Ratio Lower Upper
84 100
49 105.0 71.4 107.2
51 0.0 24.5 36.7#
86 0.0 48.7 73.1#



#23
Vinyl Acetate
Concen: 1.079 ug/l
RT: 6.152 min Scan# 776
Delta R.T. -0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
86 0.0 12.5 18.7#

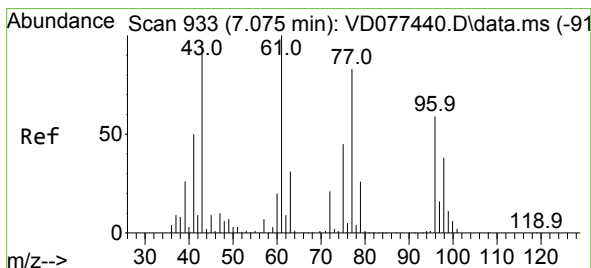
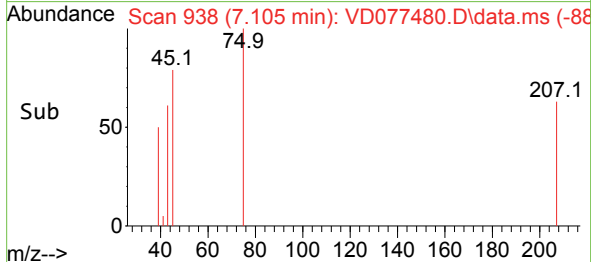
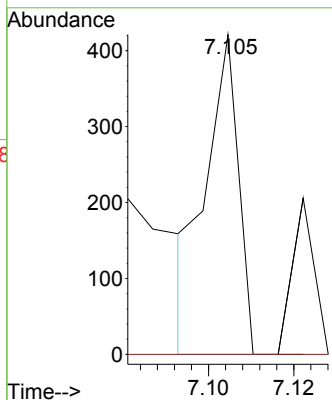
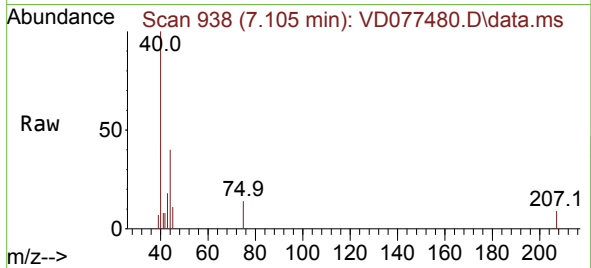




#25
2-Butanone
Concen: 2.919 ug/l
RT: 7.105 min Scan# 91
Delta R.T. 0.024 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

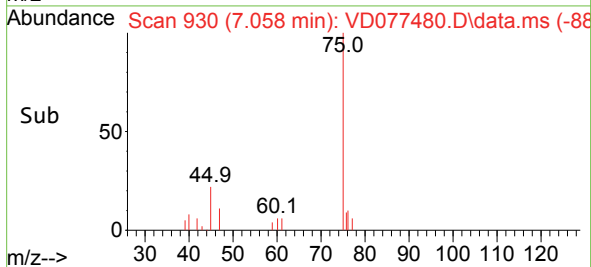
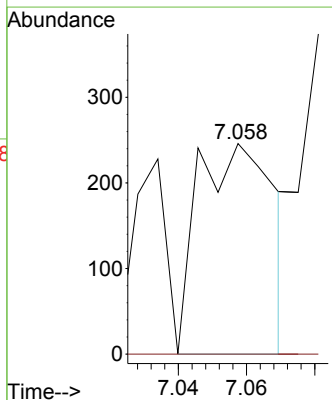
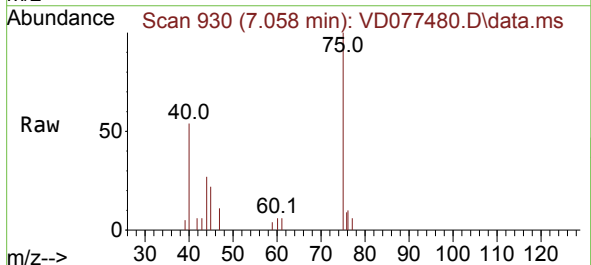
Instrument :
MSVOA_D
ClientSampleId :

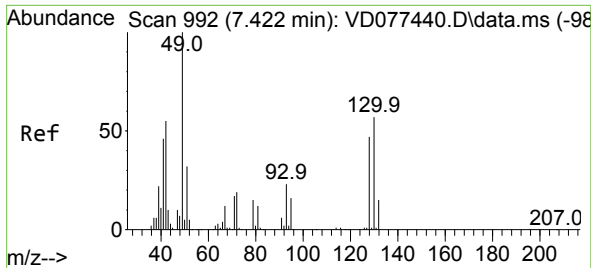
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.102 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.018 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

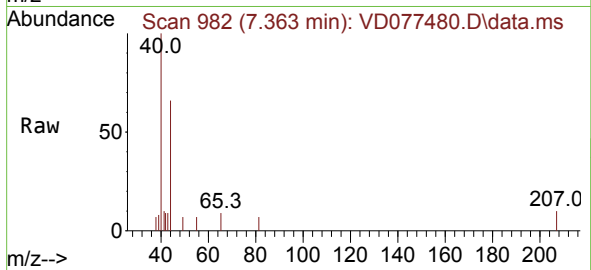
Tgt Ion: 77 Resp: 383
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



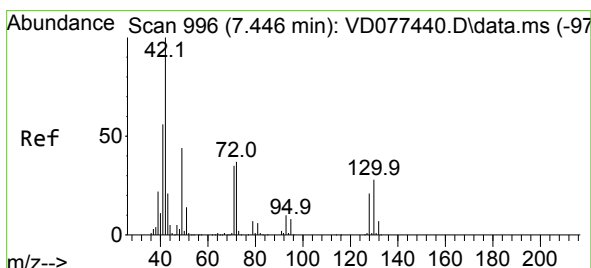
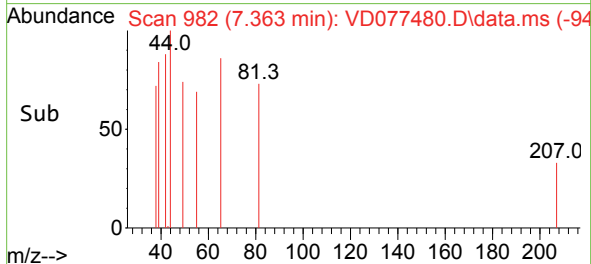
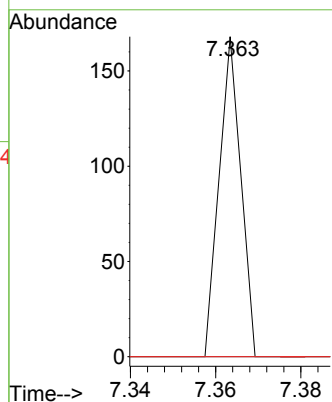


#28
Bromochloromethane
Concen: 2.423 ug/l
RT: 7.363 min Scan# 992
Delta R.T. -0.059 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

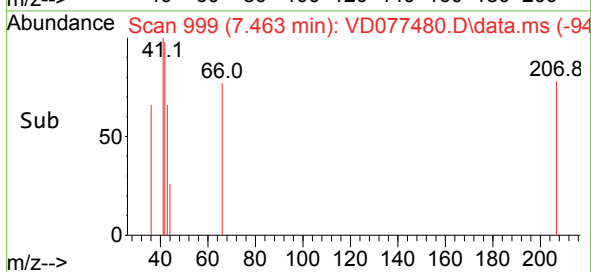
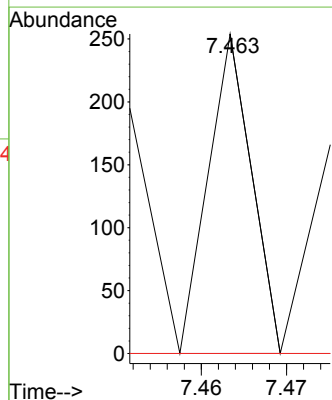
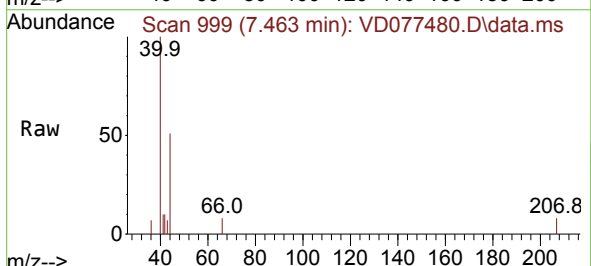


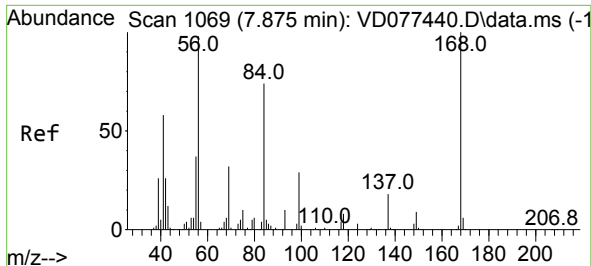
Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 2.060 ug/l
RT: 7.463 min Scan# 999
Delta R.T. 0.018 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

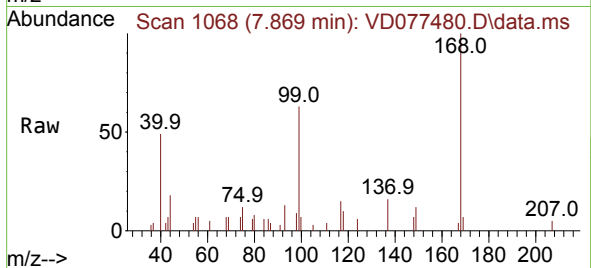
Tgt Ion: 42 Resp: 90
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



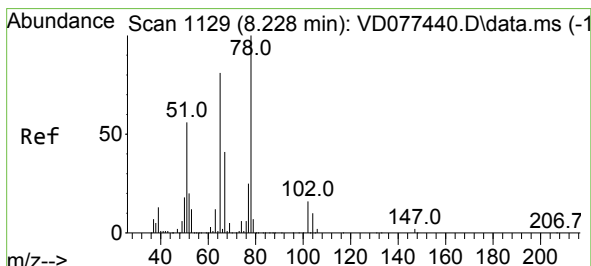
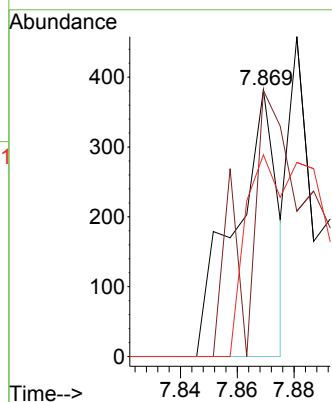
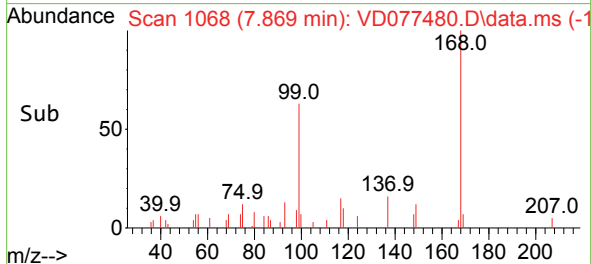


#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

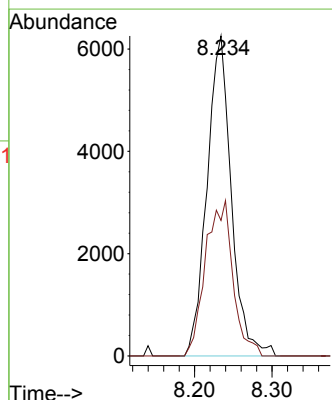
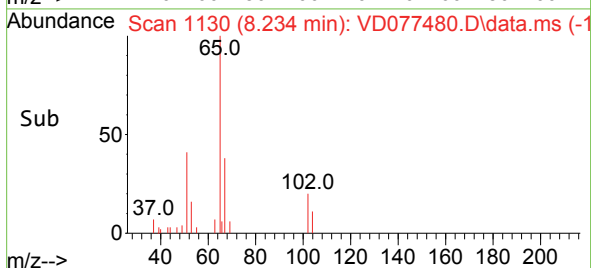
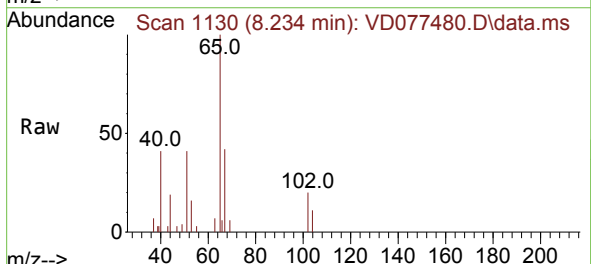


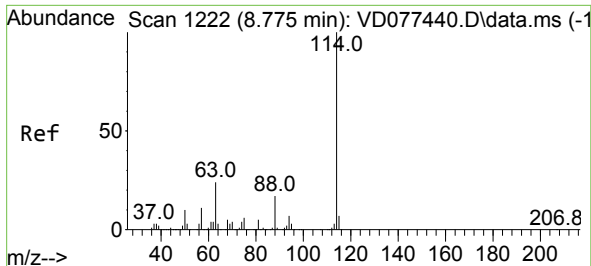
Tgt Ion: 56 Resp: 399
Ion Ratio Lower Upper
56 100
69 99.7 28.6 43.0#
84 75.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 65.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

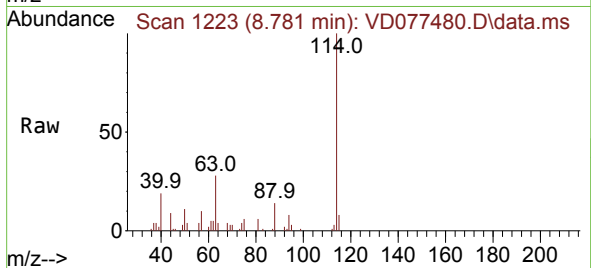
Tgt Ion: 65 Resp: 13675
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0



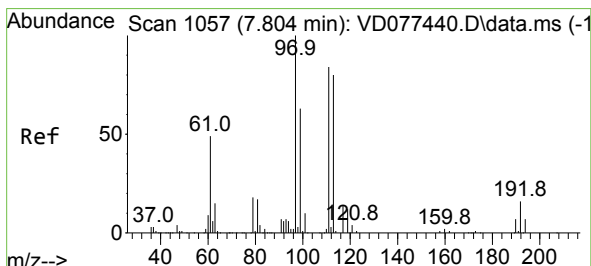
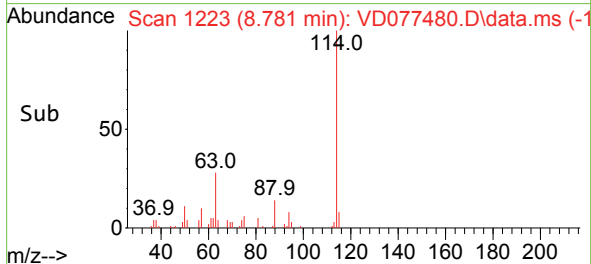
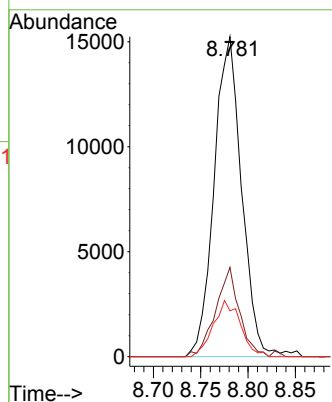


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1114
Delta R.T. 0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

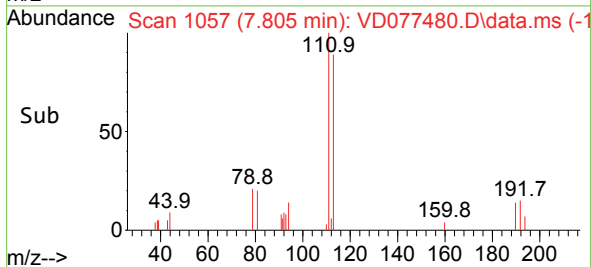
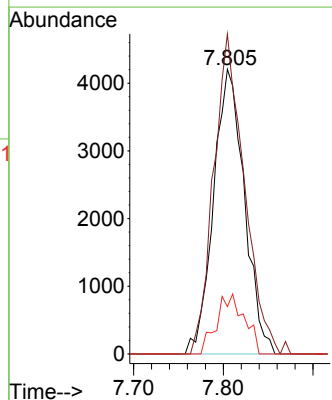
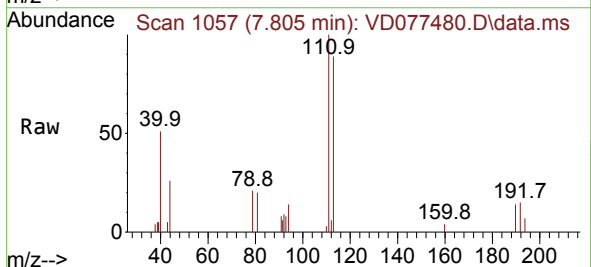


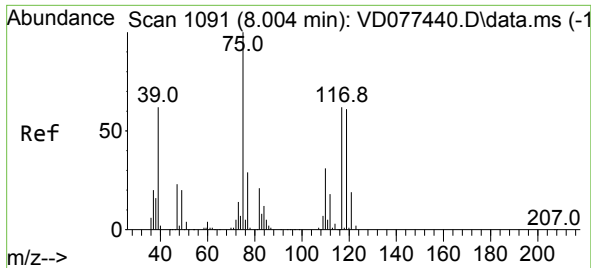
Tgt Ion:114 Resp: 30673
Ion Ratio Lower Upper
114 100
63 27.9 0.0 33.4
88 14.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 47.307 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Tgt Ion:113 Resp: 10029
Ion Ratio Lower Upper
113 100
111 111.4 84.7 127.1
192 18.9 16.8 25.2

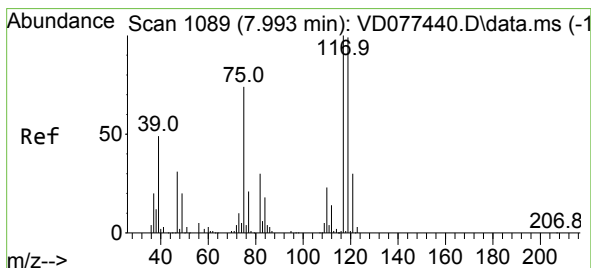
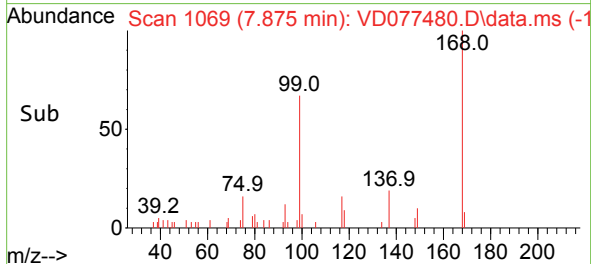
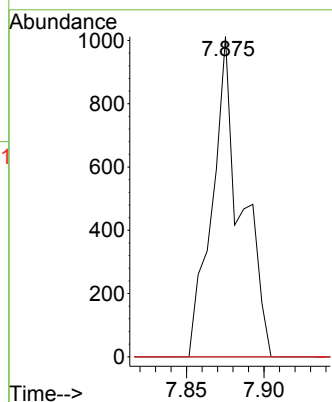
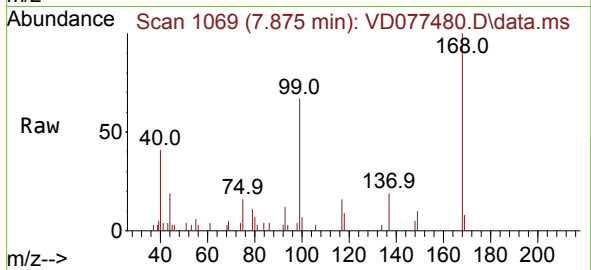




#36
 1,1-Dichloropropene
 Concen: 4.190 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077480.D
 Acq: 01 Nov 2023 15:00

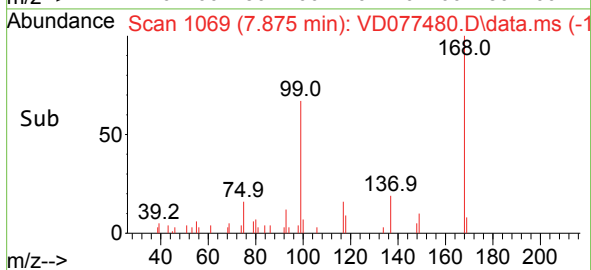
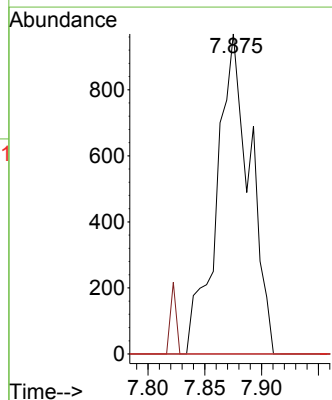
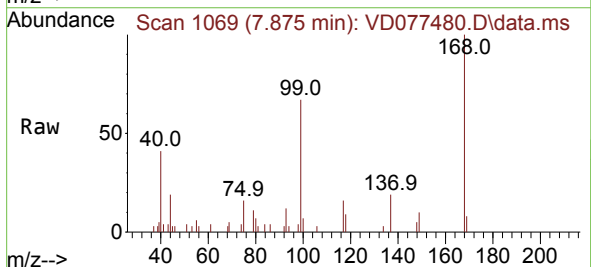
Instrument :
 MSVOA_D
 ClientSampleId :

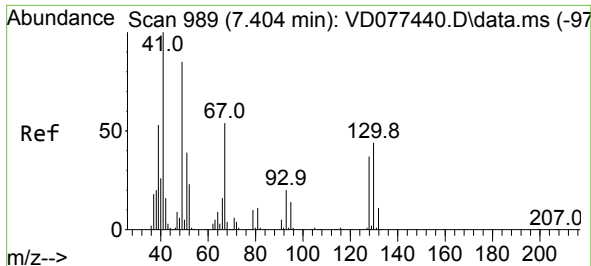
Tgt Ion: 75 Resp: 1317
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.708 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.118 min
 Lab File: VD077480.D
 Acq: 01 Nov 2023 15:00

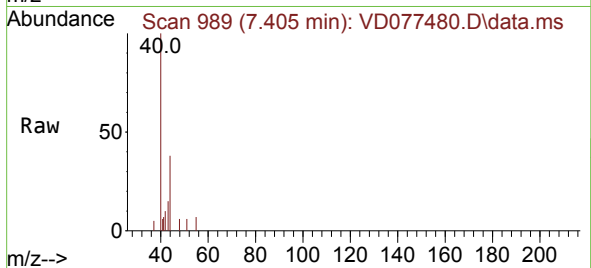
Tgt Ion: 117 Resp: 1987
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.0 117.0#
 121 0.0 24.2 36.2#



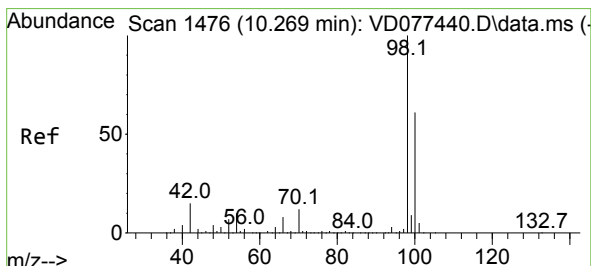
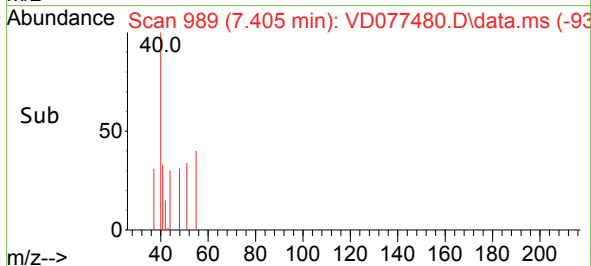
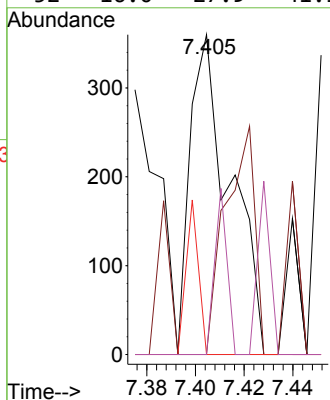


#41
Methacrylonitrile
Concen: 3.578 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

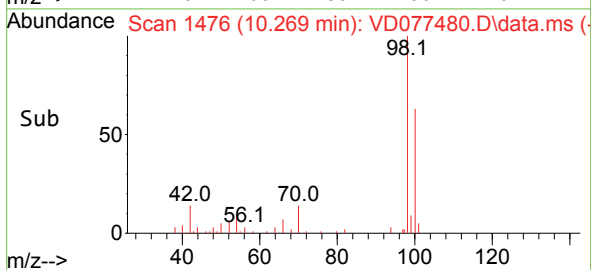
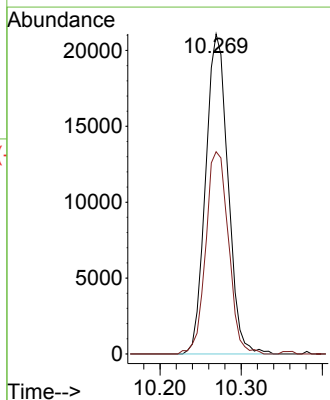
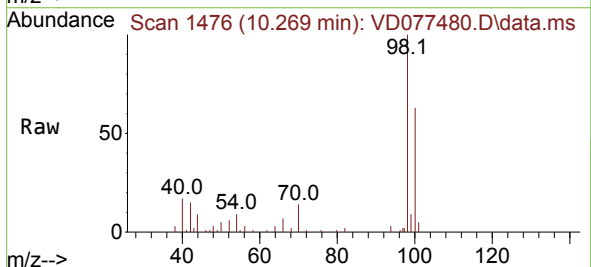


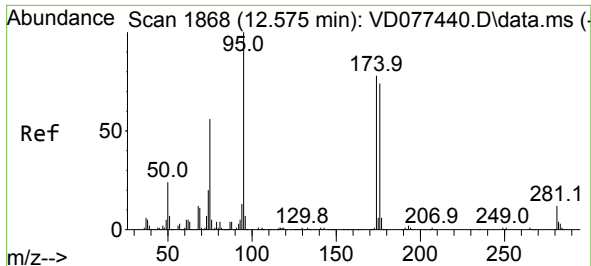
Tgt Ion:	41	Resp:	413
Ion	Ratio	Lower	Upper
41	100		
39	0.0	34.0	51.0#
67	14.8	77.0	115.4#
52	16.0	27.9	41.9#



#50
Toluene-d8
Concen: 48.873 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Tgt Ion:	98	Resp:	40245
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.3	75.5

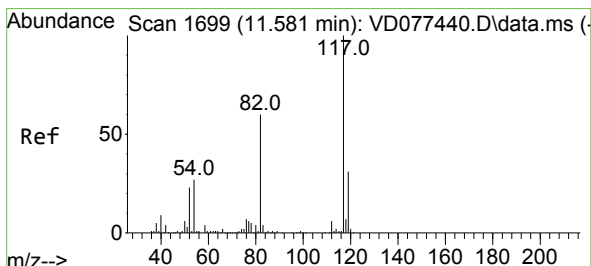
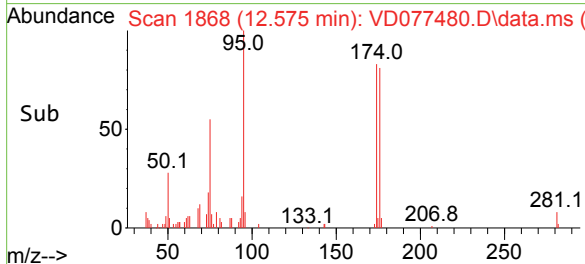
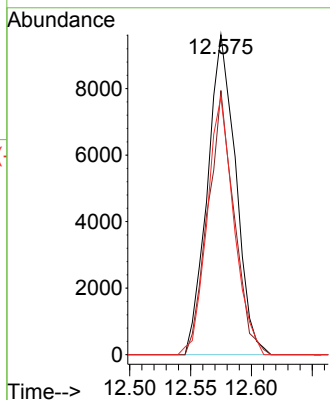
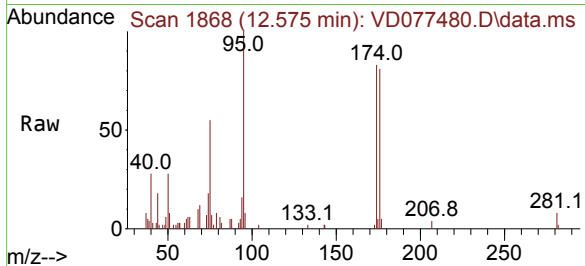




#62
4-Bromofluorobenzene
Concen: 55.970 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

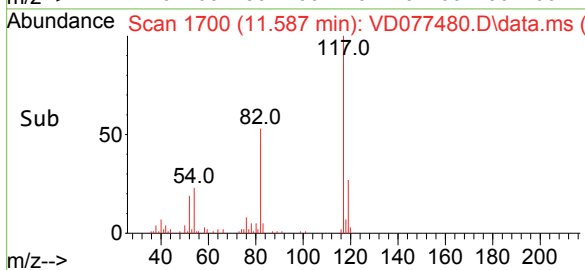
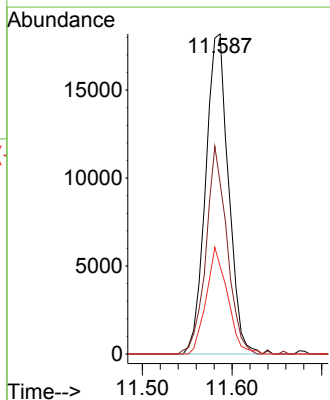
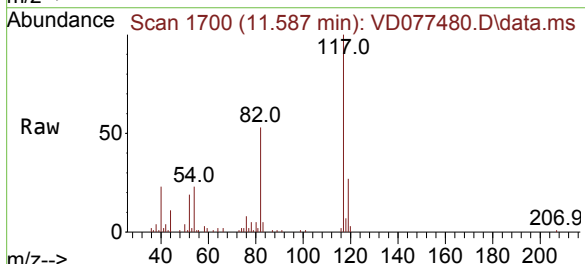
Instrument :
MSVOA_D
ClientSampleId :

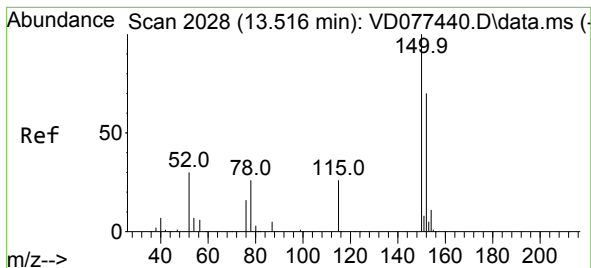
Tgt Ion: 95 Resp: 15523
Ion Ratio Lower Upper
95 100
174 76.3 0.0 201.8
176 76.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

Tgt Ion: 117 Resp: 32182
Ion Ratio Lower Upper
117 100
82 53.4 38.3 57.5
119 27.3 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: VD077480.D

Acq: 01 Nov 2023 15:00

Instrument :

MSVOA_D

ClientSampleId :

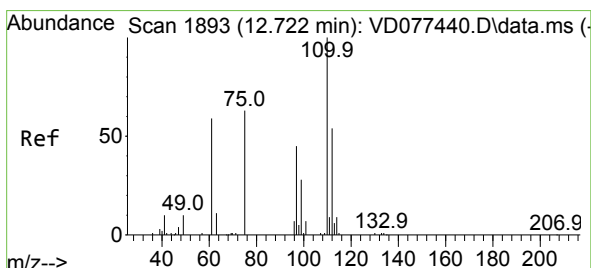
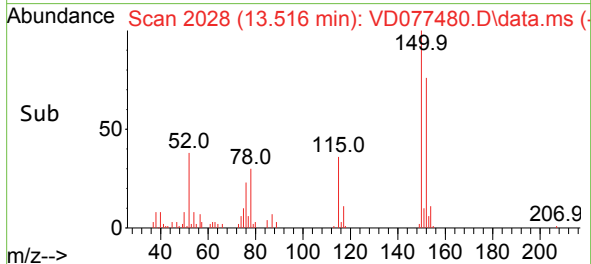
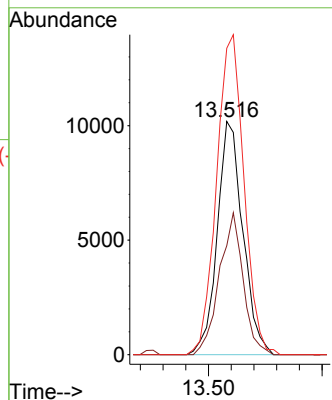
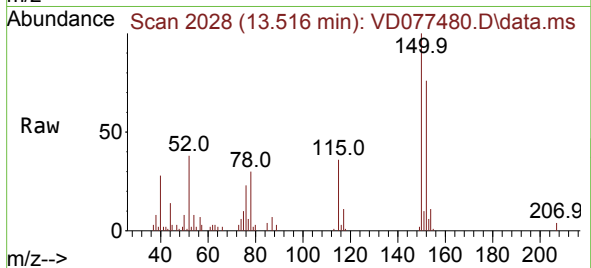
Tgt Ion:152 Resp: 15930

Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

150 146.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 1.852 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD077480.D

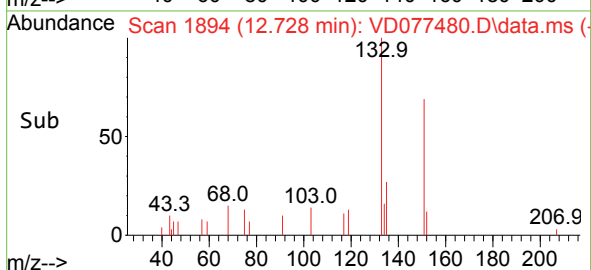
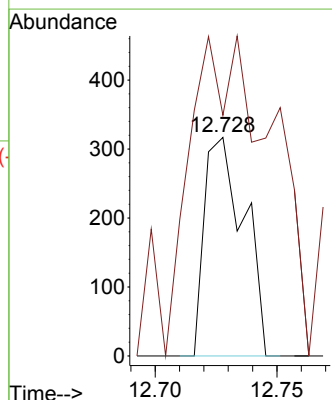
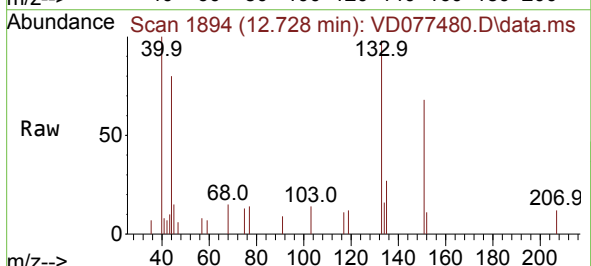
Acq: 01 Nov 2023 15:00

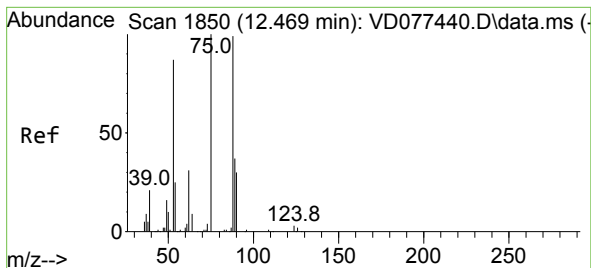
Tgt Ion: 75 Resp: 359

Ion Ratio Lower Upper

75 100

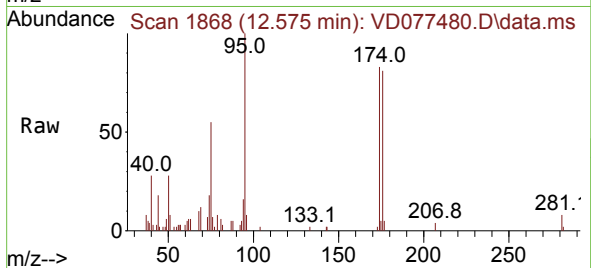
77 318.7 0.0 0.0#



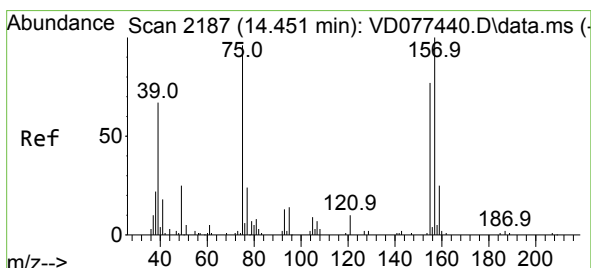
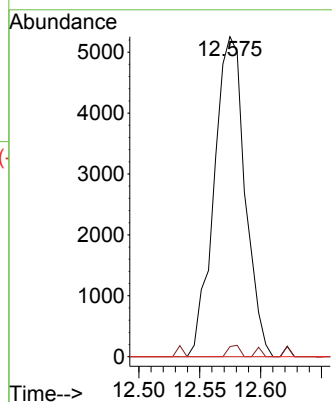
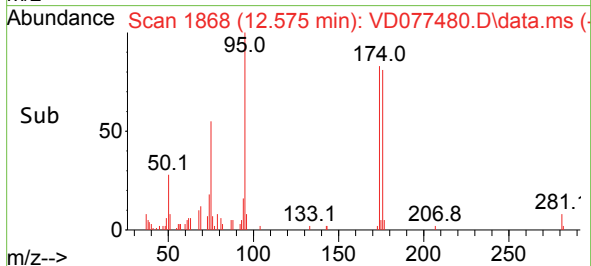


#81
trans-1,4-Dichloro-2-butene
Concen: 92.804 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00

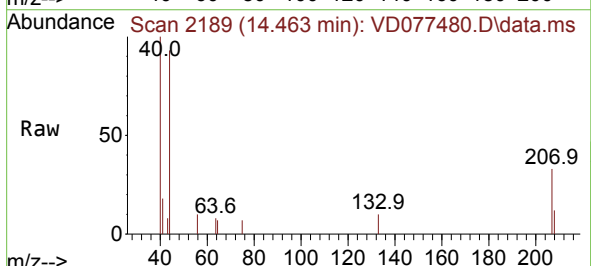
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 9315
Ion Ratio Lower Upper
75 100
53 1.3 63.0 94.4#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.446 ug/l
RT: 14.463 min Scan# 2189
Delta R.T. 0.012 min
Lab File: VD077480.D
Acq: 01 Nov 2023 15:00



Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#

