

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077481.D
 Acq On : 01 Nov 2023 15:27
 Operator : JC/SY
 Sample : 05170-01
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:56:21 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)

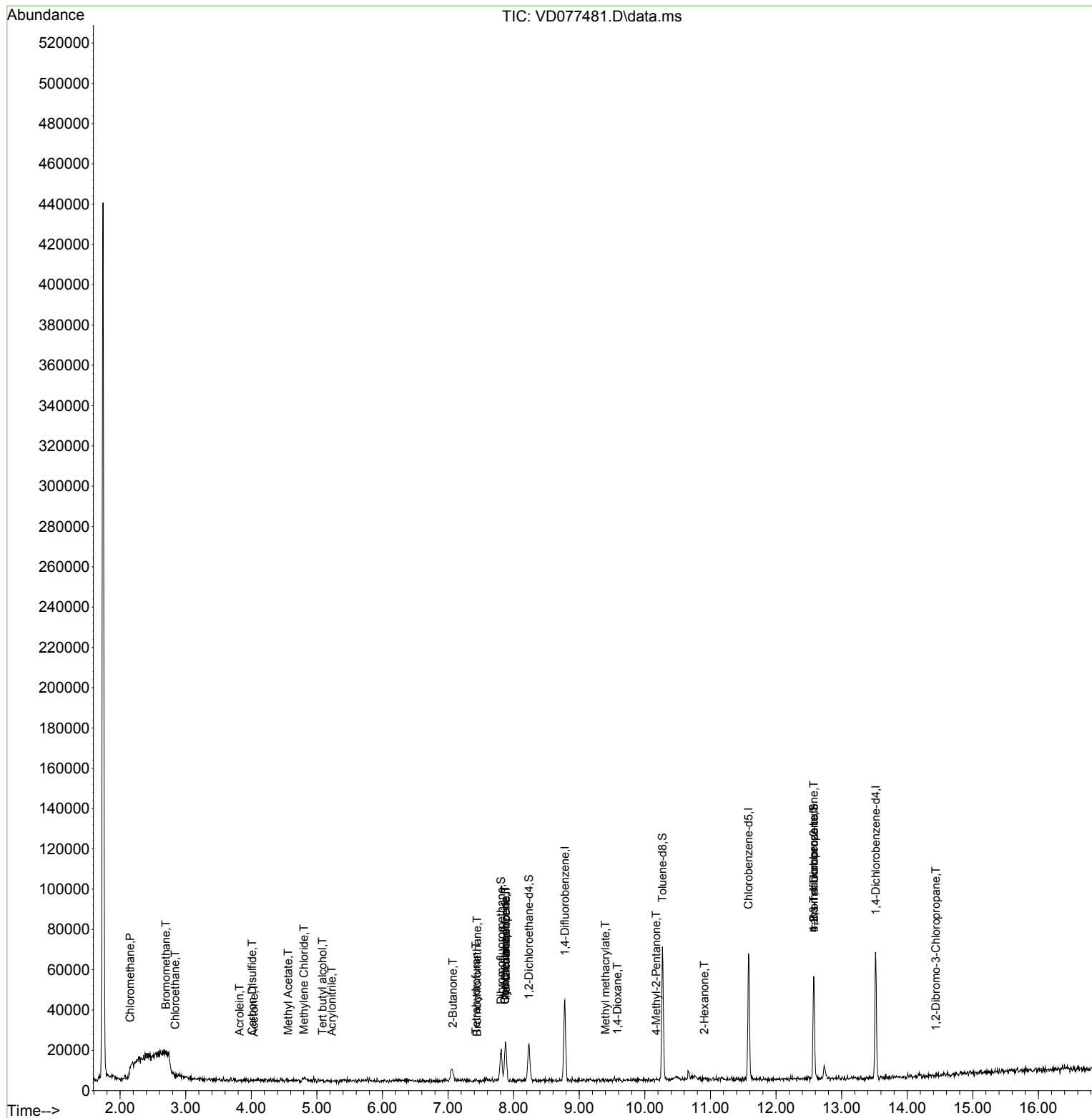
Internal Standards						
1) Pentafluorobenzene	7.881	168	13176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	30683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	31333	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	14990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14498	77.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.620%			
35) Dibromofluoromethane	7.810	113	10448	49.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.540%			
50) Toluene-d8	10.269	98	40234	48.844	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.680%			
62) 4-Bromofluorobenzene	12.575	95	15424	55.594	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.180%			
Target Compounds					Qvalue	
3) Chloromethane	2.152	50	496	2.941	ug/l #	78
5) Bromomethane	2.699	94	379	4.397	ug/l #	59
6) Chloroethane	2.840	64	246	2.221	ug/l #	43
11) Tert butyl alcohol	5.087	59	55	3.727	ug/l #	73
13) Acrolein	3.822	56	168	8.632	ug/l #	1
15) Acrylonitrile	5.228	53	54	1.206	ug/l #	46
16) Acetone	4.040	43	740	15.010	ug/l #	32
17) Carbon Disulfide	4.016	76	58	3.888	ug/l #	76
18) Methyl Acetate	4.563	43	385	2.141	ug/l #	42
20) Methylene Chloride	4.805	84	732	1.610	ug/l #	45
25) 2-Butanone	7.075	43	1134	17.244	ug/l #	37
28) Bromochloromethane	7.446	49	57	2.450	ug/l #	1
29) Tetrahydrofuran	7.428	42	220	5.641	ug/l #	23
31) Cyclohexane	7.869	56	701	2.407	ug/l #	68
36) 1,1-Dichloropropene	7.881	75	1335	4.246	ug/l #	39
38) Carbon Tetrachloride	7.869	117	1634	5.515	ug/l #	11
48) Methyl methacrylate	9.398	41	284	1.598	ug/l #	1
49) 1,4-Dioxane	9.581	88	55	40.294	ug/l #	1
51) 4-Methyl-2-Pentanone	10.175	43	647	3.530	ug/l #	28
59) 2-Hexanone	10.910	43	487	3.607	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	8961	49.117	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	8961	94.876	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.439	75	56	1.388	ug/l #	1

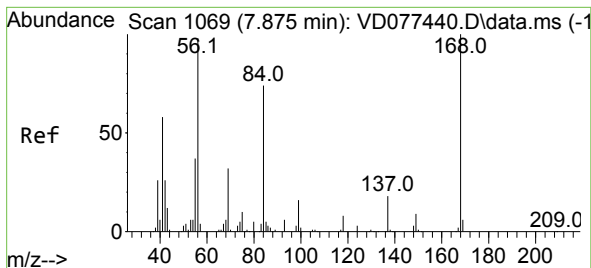
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

Instrument :

MSVOA_D

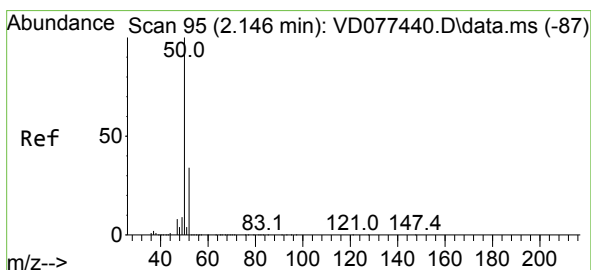
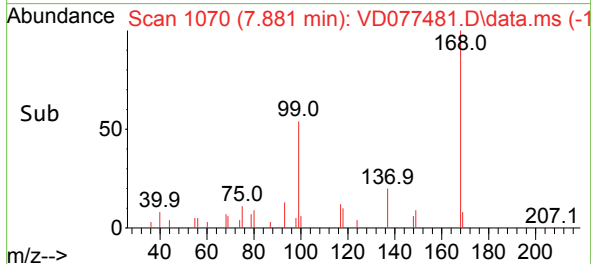
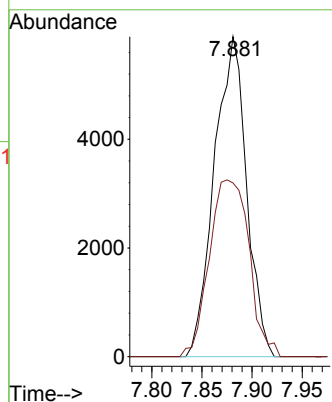
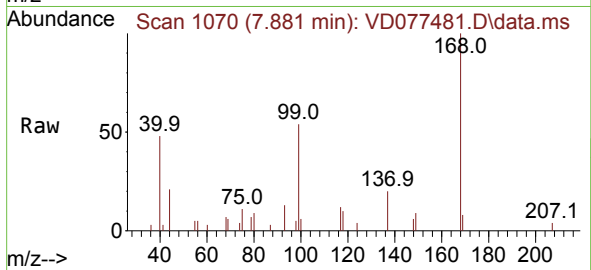
ClientSampleId :

Tgt Ion:168 Resp: 13176

Ion Ratio Lower Upper

168 100

99 54.3 36.7 55.1



#3

Chloromethane

Concen: 2.941 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.006 min

Lab File: VD077481.D

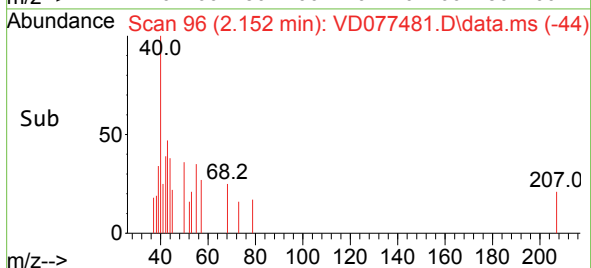
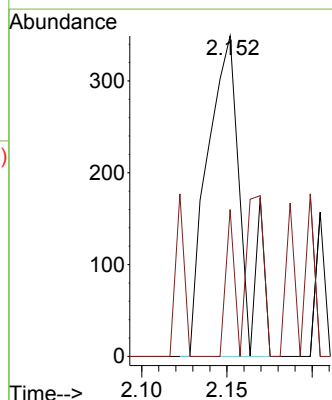
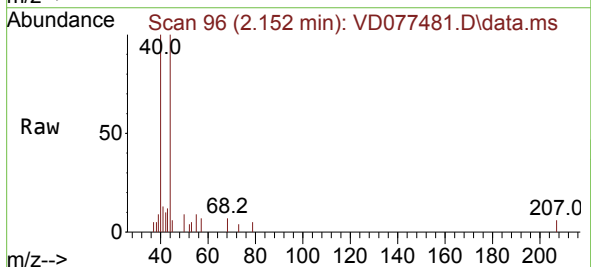
Acq: 01 Nov 2023 15:27

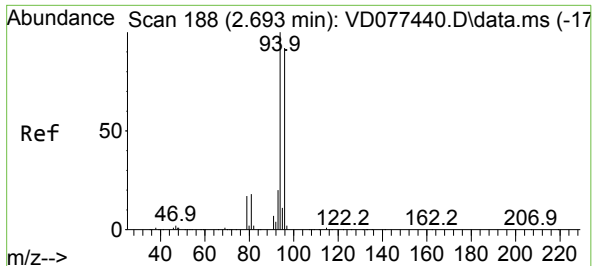
Tgt Ion: 50 Resp: 496

Ion Ratio Lower Upper

50 100

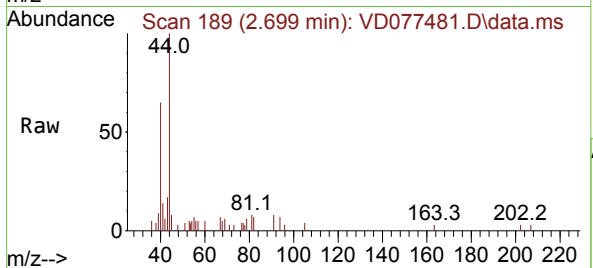
52 45.8 26.6 40.0#



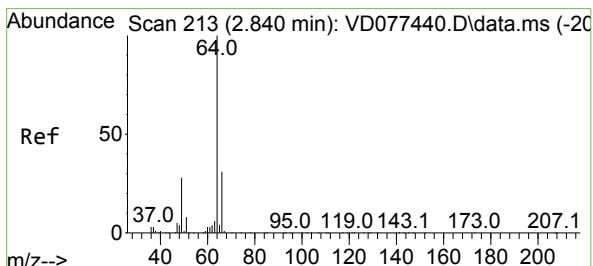
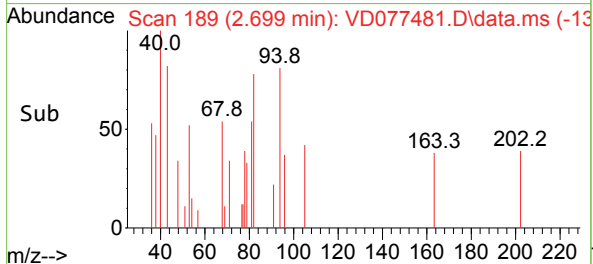
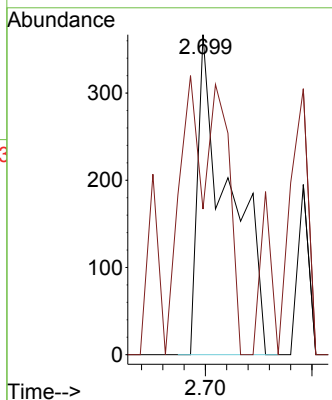


#5
Bromomethane
Concen: 4.397 ug/l
RT: 2.699 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :

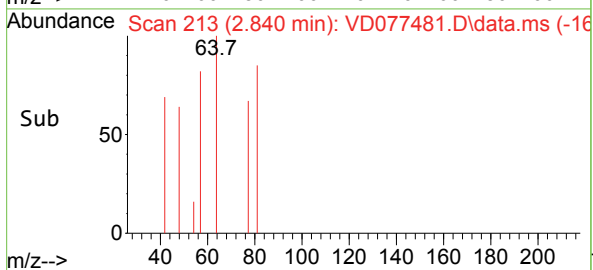
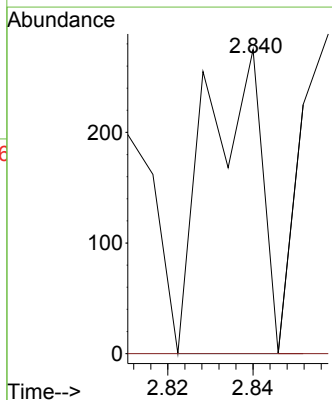
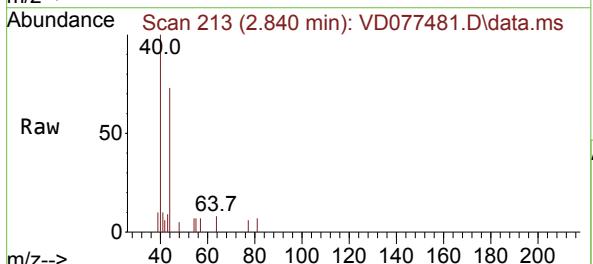


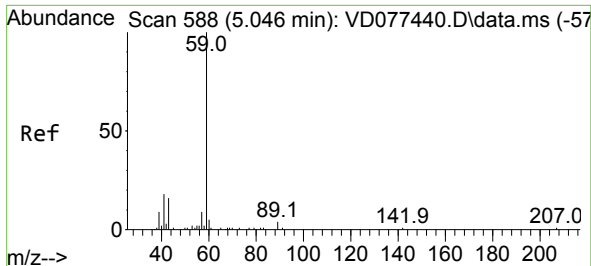
Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 134.3 75.8 113.8#



#6
Chloroethane
Concen: 2.221 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 3.727 ug/l

RT: 5.087 min Scan# 59

Delta R.T. 0.041 min

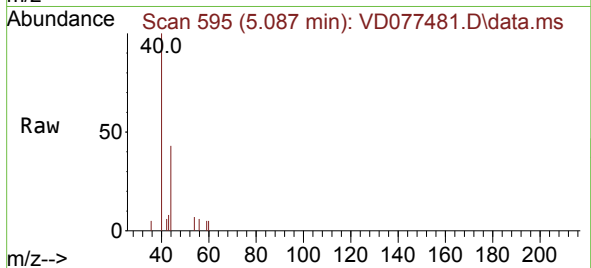
Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

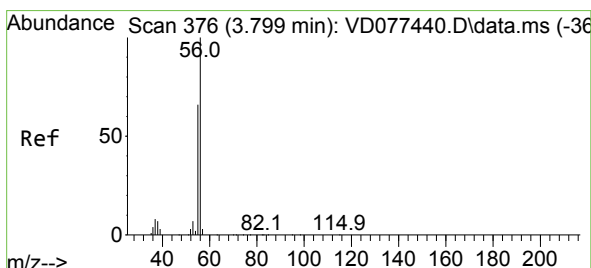
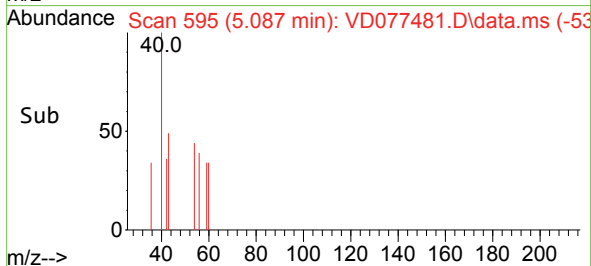
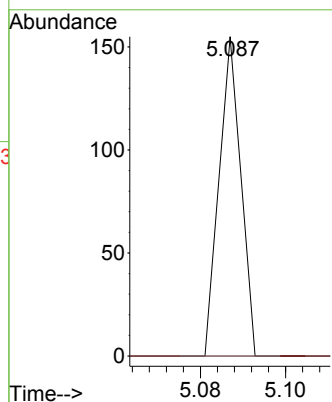


Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 8.632 ug/l

RT: 3.822 min Scan# 380

Delta R.T. 0.024 min

Lab File: VD077481.D

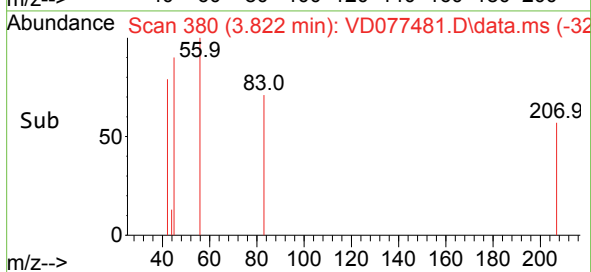
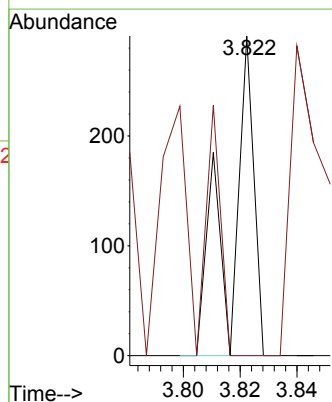
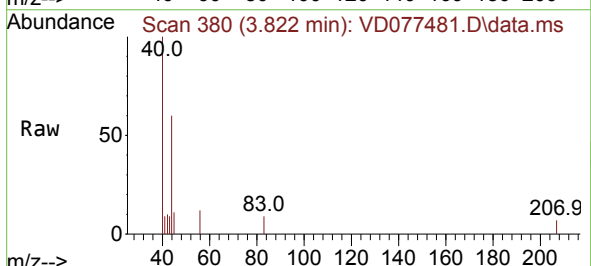
Acq: 01 Nov 2023 15:27

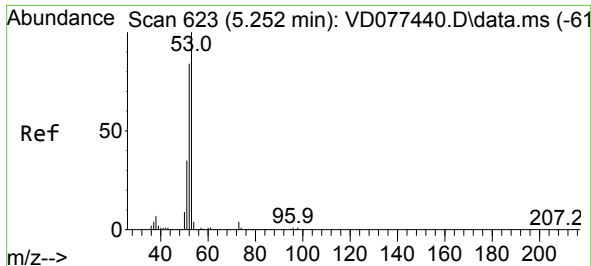
Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

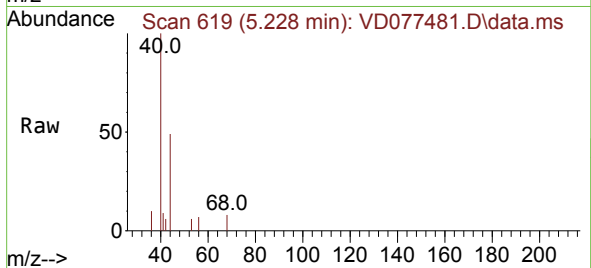
55 172.6 55.1 82.7#



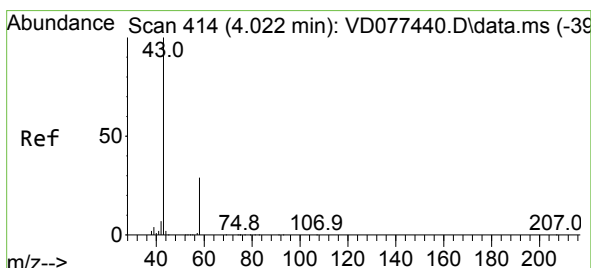
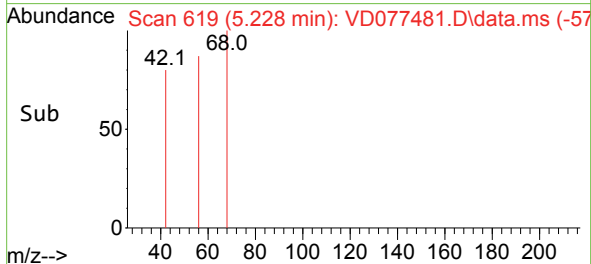
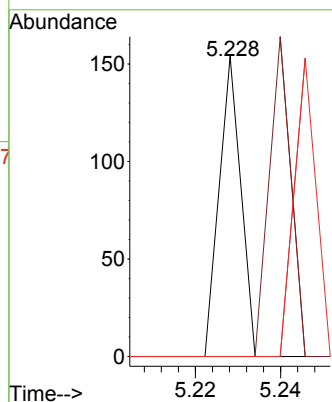


#15
Acrylonitrile
Concen: 1.206 ug/l
RT: 5.228 min Scan# 619
Delta R.T. -0.024 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :

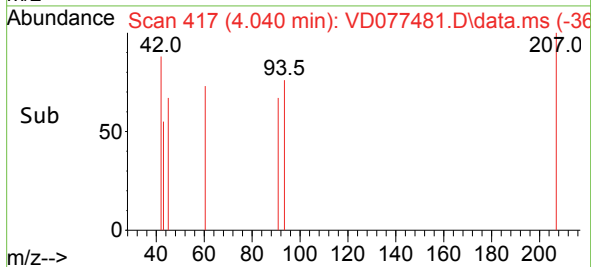
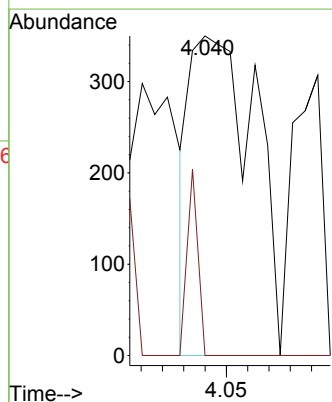
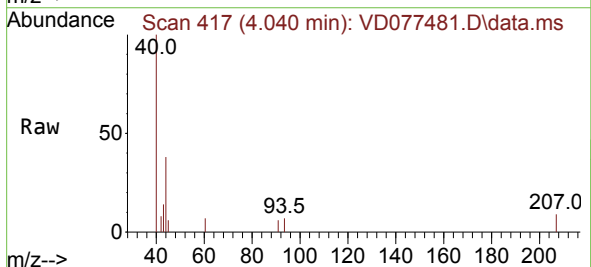


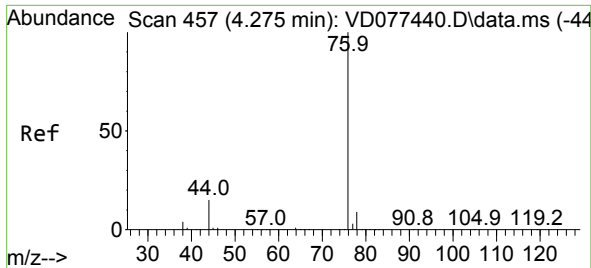
Tgt Ion: 53 Resp: 54
Ion Ratio Lower Upper
53 100
52 107.4 65.0 97.4#
51 100.0 28.3 42.5#



#16
Acetone
Concen: 15.010 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.018 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

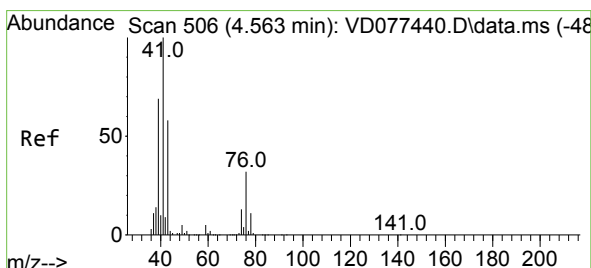
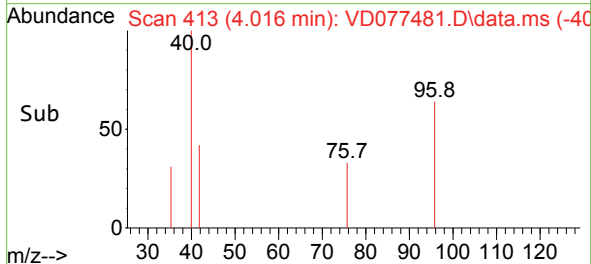
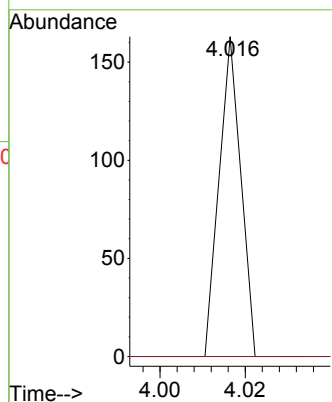
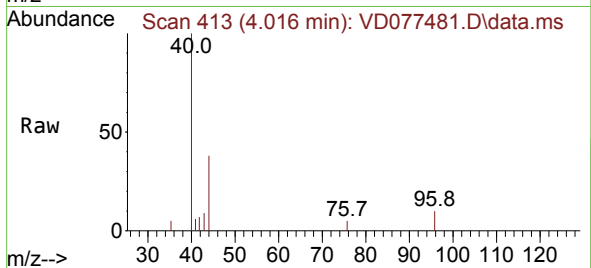




#17
Carbon Disulfide
Concen: 3.888 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.259 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

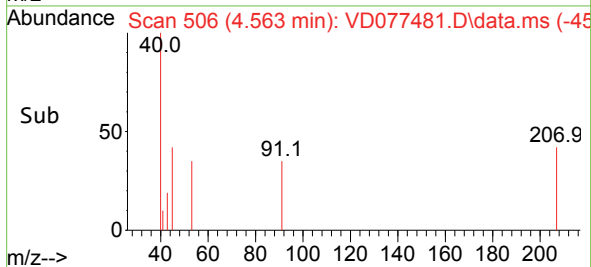
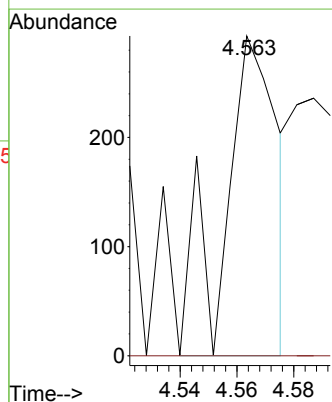
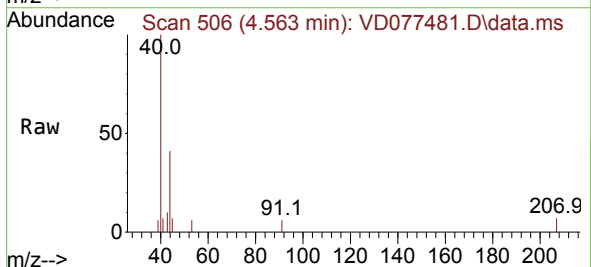
Instrument :
MSVOA_D
ClientSampleId :

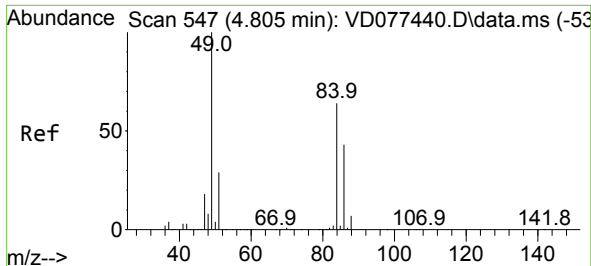
Tgt Ion: 76 Resp: 58
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#18
Methyl Acetate
Concen: 2.141 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

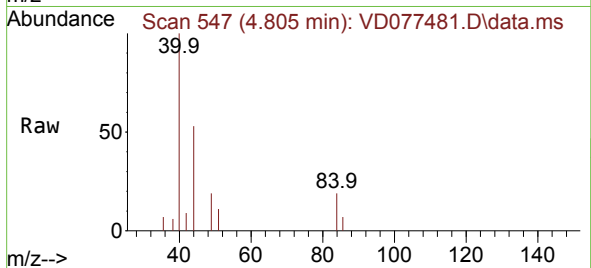
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



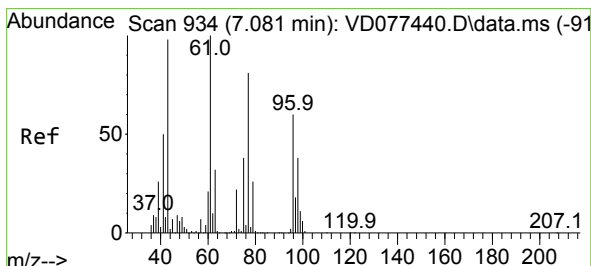
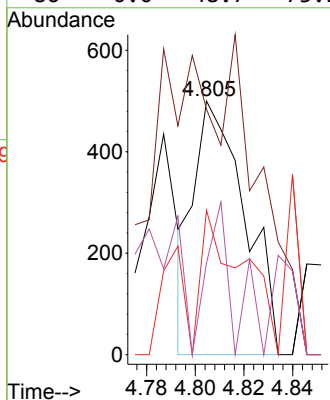
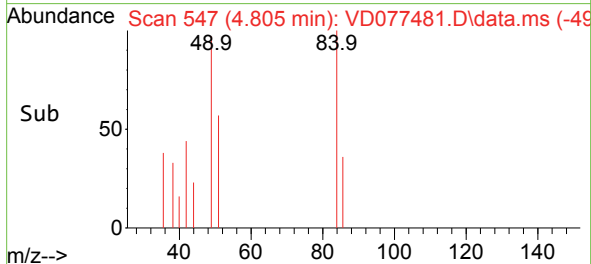


#20
Methylene Chloride
Concen: 1.610 ug/l
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :

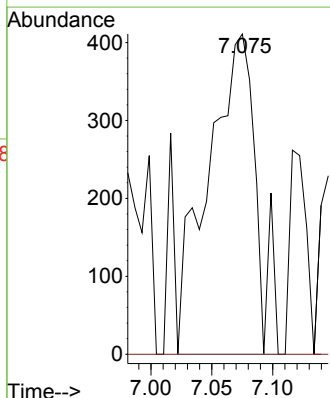
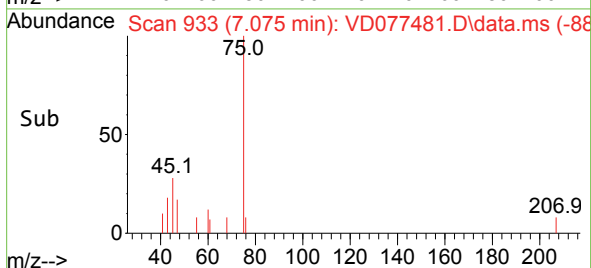
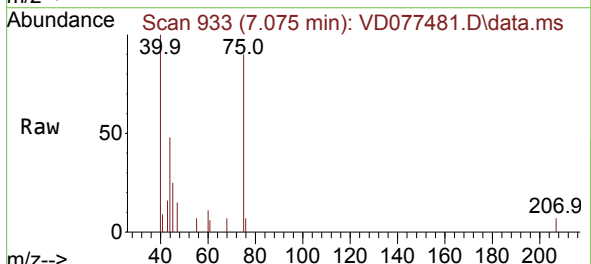


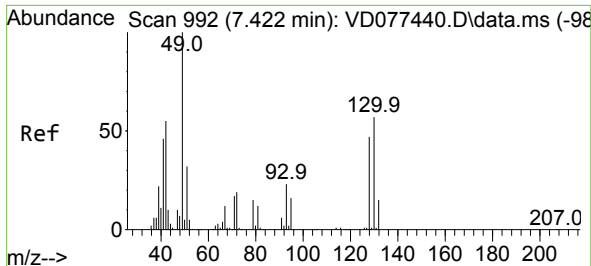
Tgt Ion: 84 Resp: 732
Ion Ratio Lower Upper
84 100
49 52.4 71.4 107.2#
51 57.0 24.5 36.7#
86 0.0 48.7 73.1#



#25
2-Butanone
Concen: 17.244 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

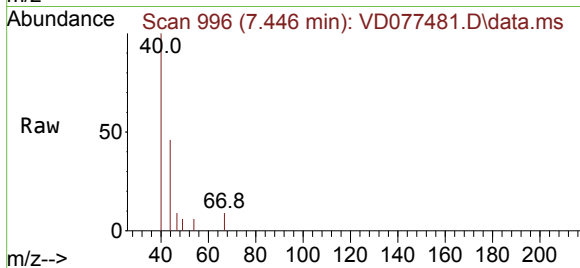
Tgt Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



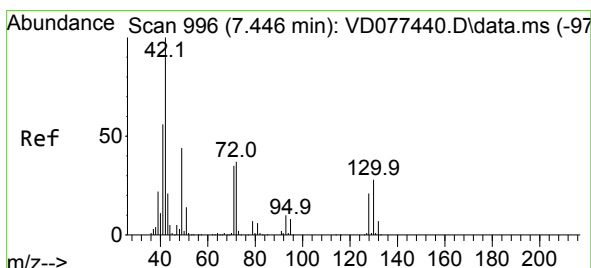
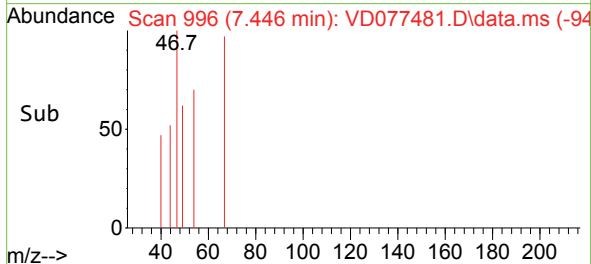
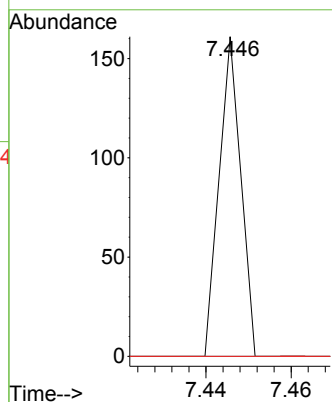


#28
Bromochloromethane
Concen: 2.450 ug/l
RT: 7.446 min Scan# 996
Delta R.T. 0.024 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :

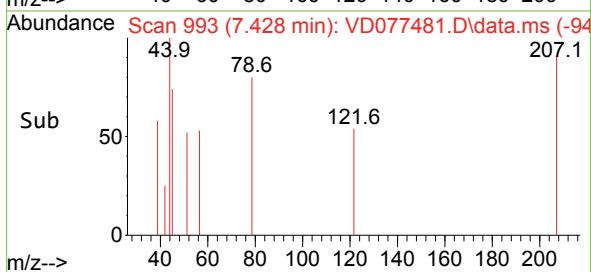
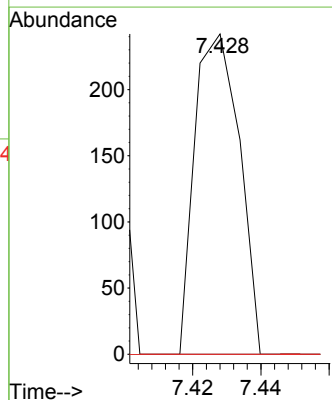
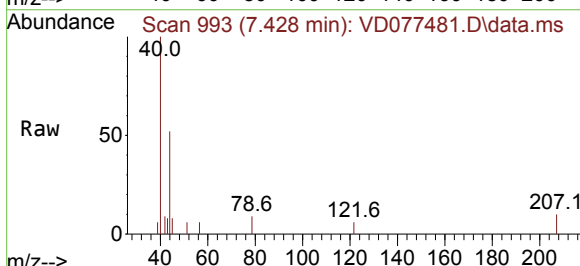


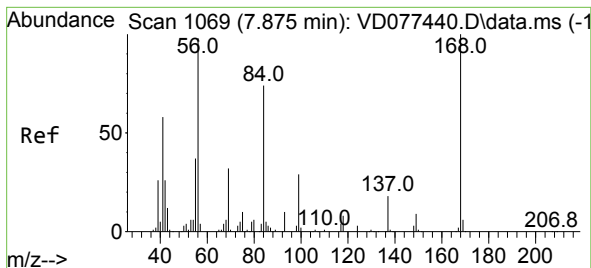
Tgt Ion: 49 Resp: 57
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 5.641 ug/l
RT: 7.428 min Scan# 993
Delta R.T. -0.018 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 42 Resp: 220
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#





#31

Cyclohexane

Concen: 2.407 ug/l

RT: 7.869 min Scan# 1106

Delta R.T. -0.006 min

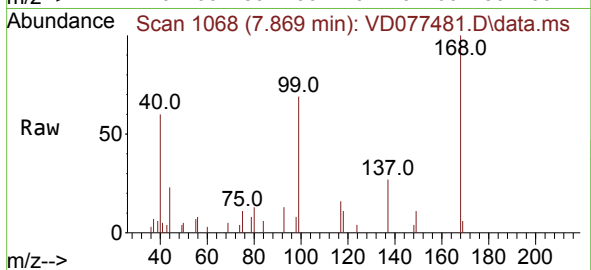
Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :



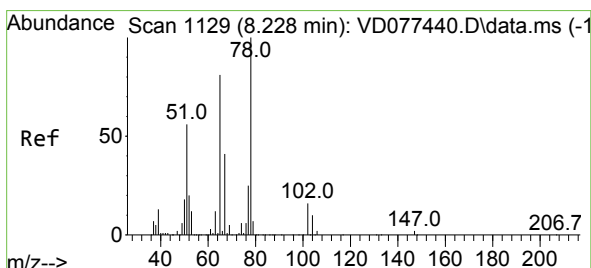
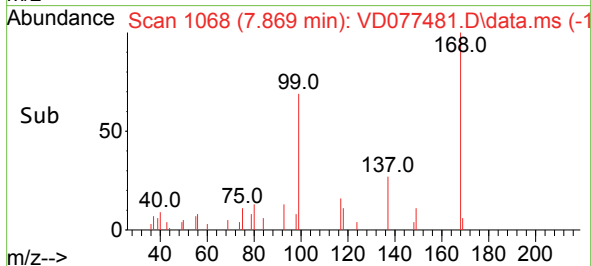
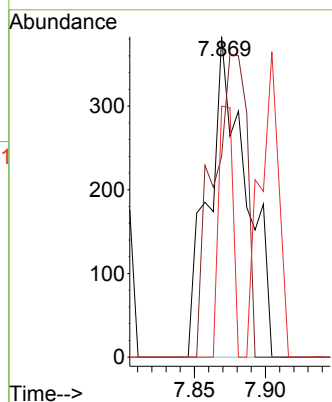
Tgt Ion: 56 Resp: 701

Ion Ratio Lower Upper

56 100

69 62.7 28.6 43.0#

84 78.3 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 77.814 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077481.D

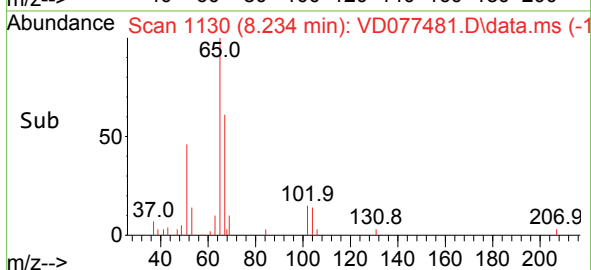
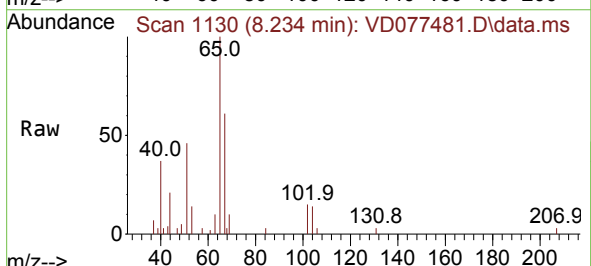
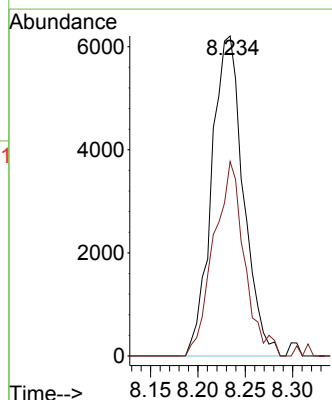
Acq: 01 Nov 2023 15:27

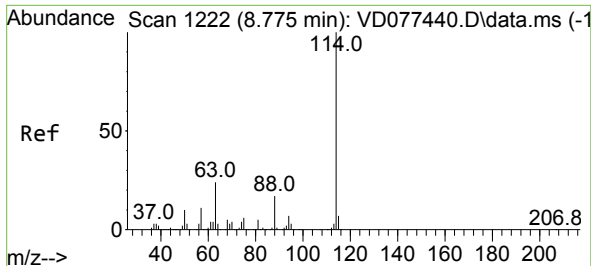
Tgt Ion: 65 Resp: 14498

Ion Ratio Lower Upper

65 100

67 59.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

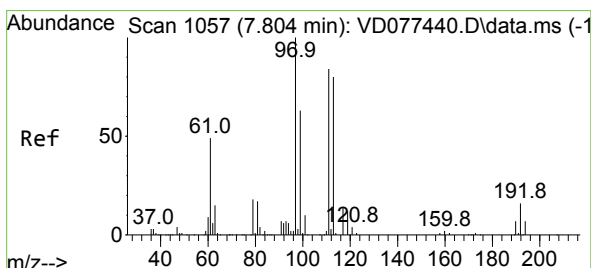
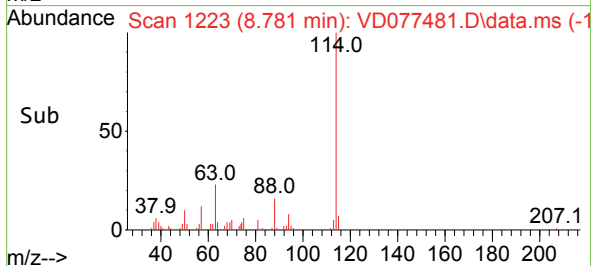
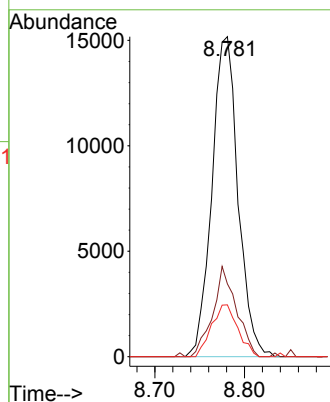
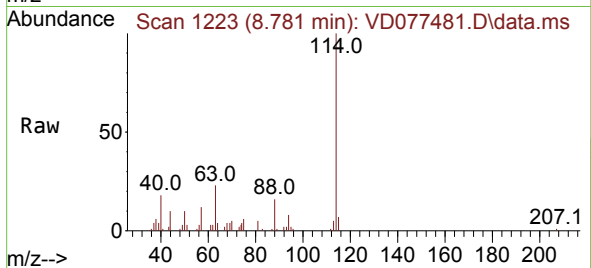
Tgt Ion:114 Resp: 30683

Ion Ratio Lower Upper

114 100

63 22.8 0.0 33.4

88 16.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.267 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

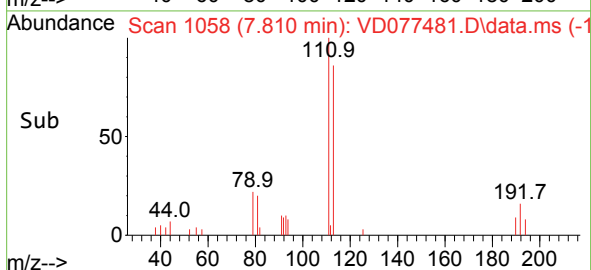
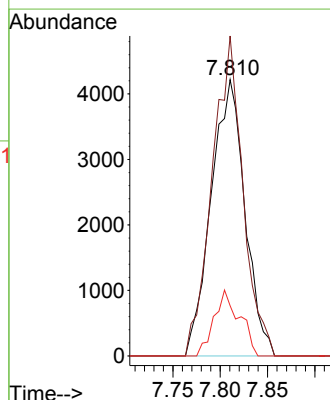
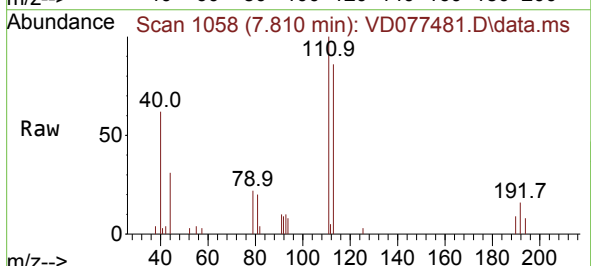
Tgt Ion:113 Resp: 10448

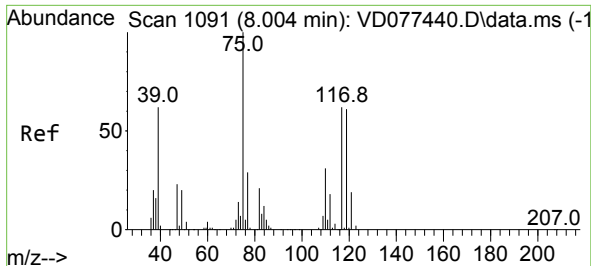
Ion Ratio Lower Upper

113 100

111 105.4 84.7 127.1

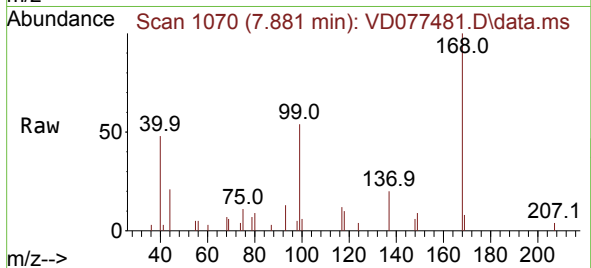
192 18.0 16.8 25.2



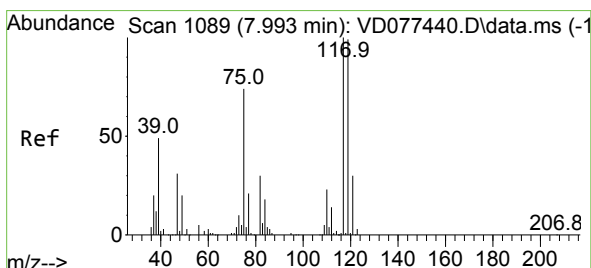
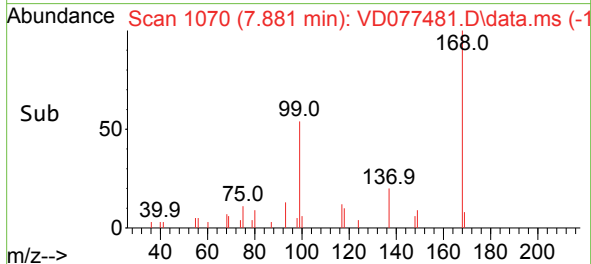
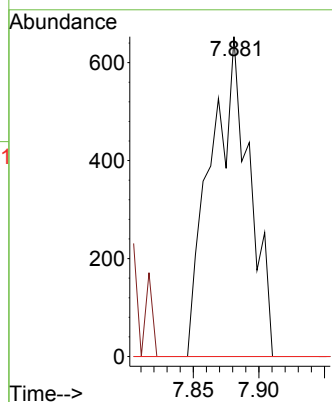


#36
 1,1-Dichloropropene
 Concen: 4.246 ug/l
 RT: 7.881 min Scan# 1067
 Delta R.T. -0.123 min
 Lab File: VD077481.D
 Acq: 01 Nov 2023 15:27

Instrument :
 MSVOA_D
 ClientSampleId :

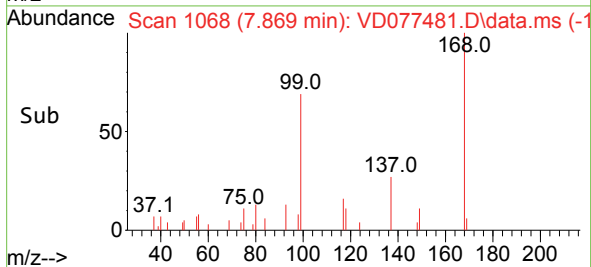
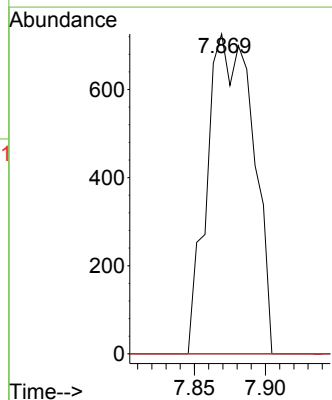
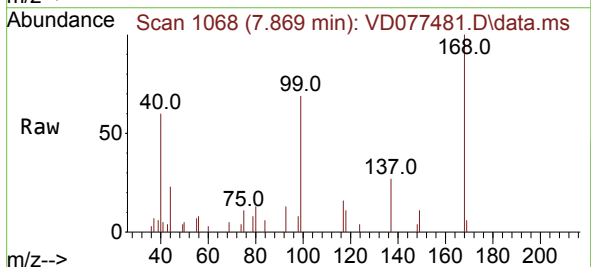


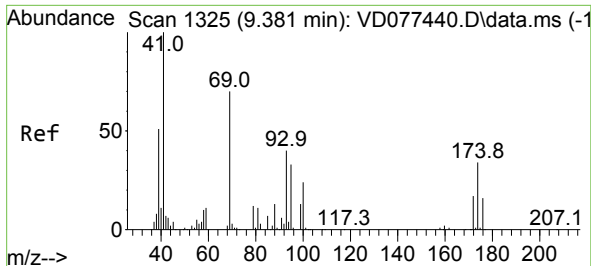
Tgt Ion: 75 Resp: 1335
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.515 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.123 min
 Lab File: VD077481.D
 Acq: 01 Nov 2023 15:27

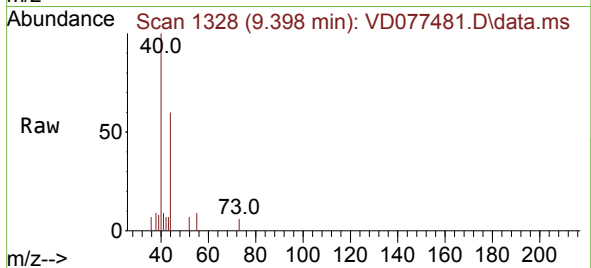
Tgt Ion: 117 Resp: 1634
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.0 117.0#
 121 0.0 24.2 36.2#



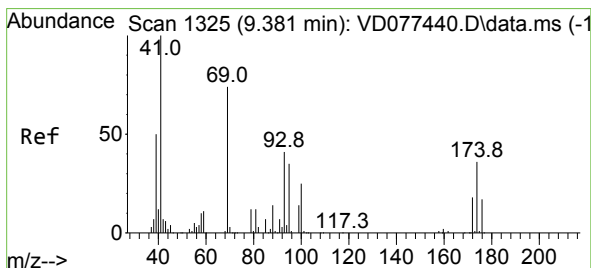
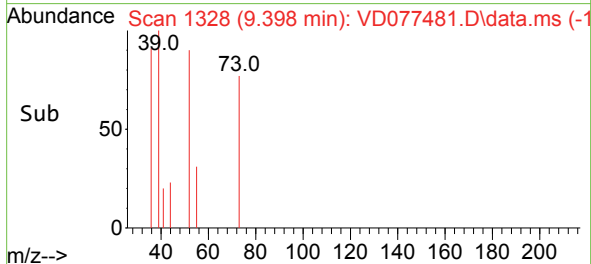
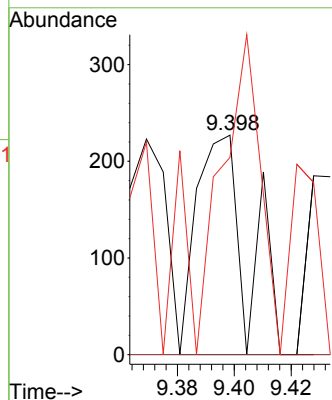


#48
Methyl methacrylate
Concen: 1.598 ug/l
RT: 9.398 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :

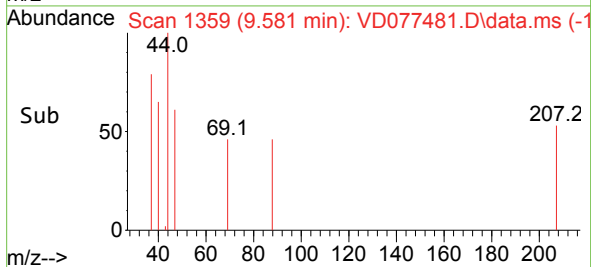
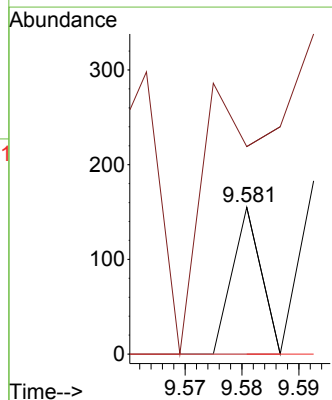
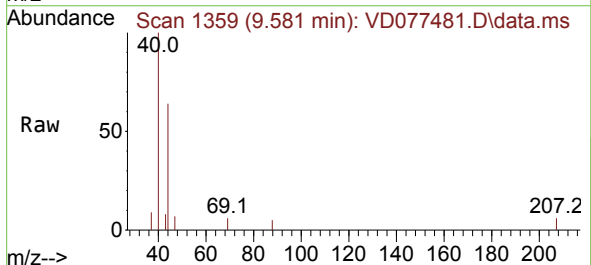


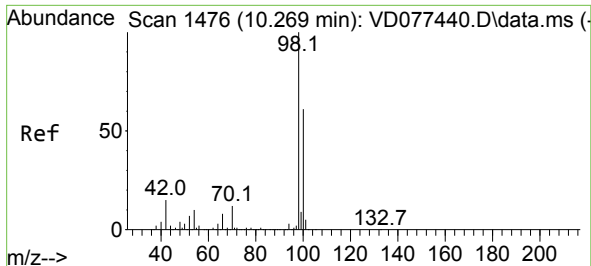
Tgt Ion: 41 Resp: 284
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 109.9 41.4 62.2#



#49
1,4-Dioxane
Concen: 40.294 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. 0.200 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 694.5 19.0 28.6#
58 0.0 43.5 65.3#

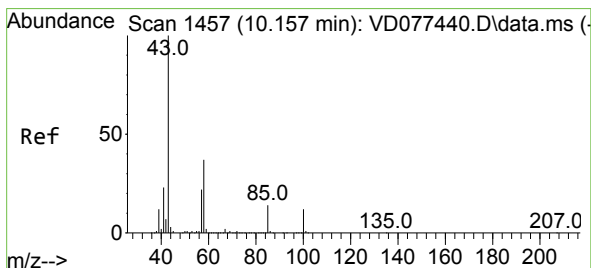
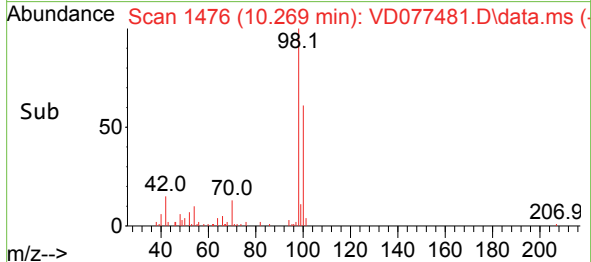
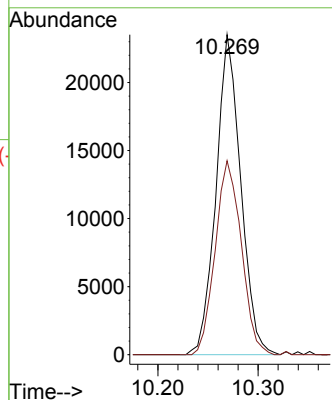
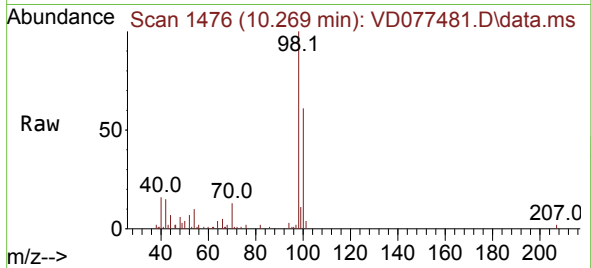




#50
Toluene-d8
Concen: 48.844 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

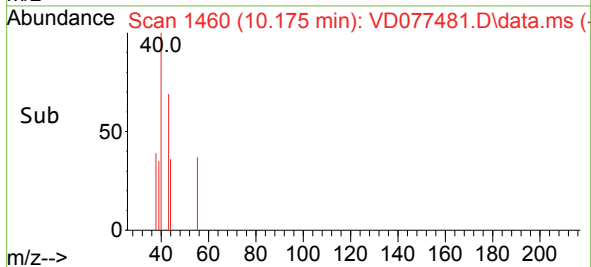
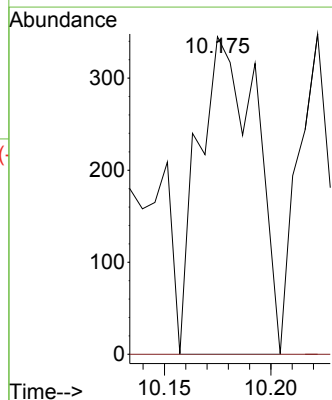
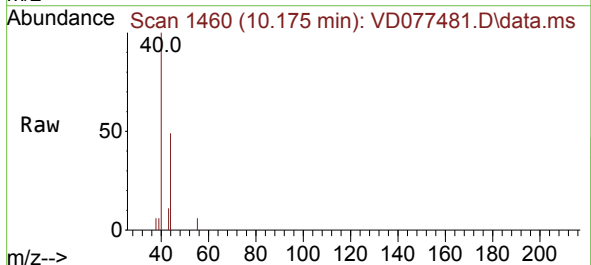
Instrument :
MSVOA_D
ClientSampleId :

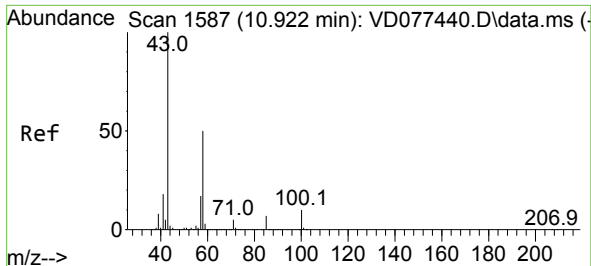
Tgt Ion: 98 Resp: 40234
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 3.530 ug/l
RT: 10.175 min Scan# 1460
Delta R.T. 0.018 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#

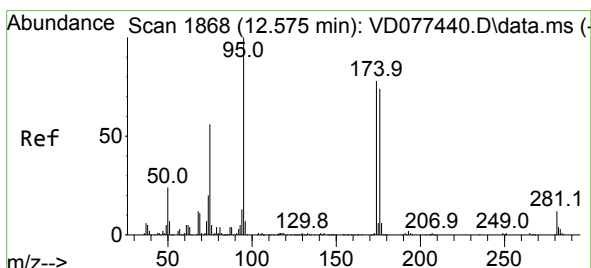
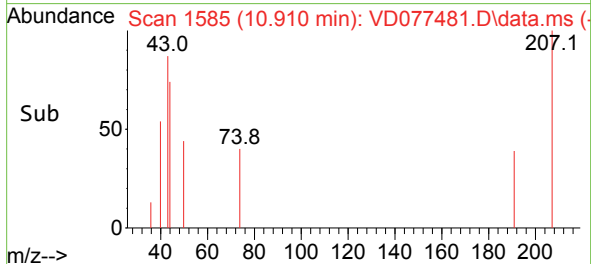
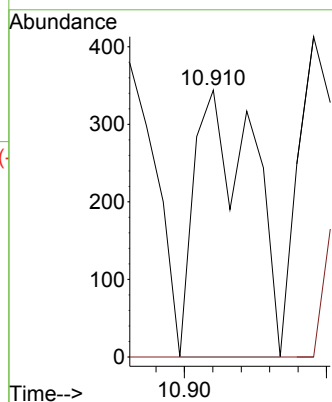
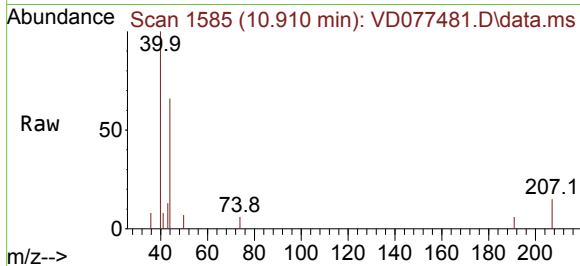




#59
2-Hexanone
Concen: 3.607 ug/l
RT: 10.910 min Scan# 1585
Delta R.T. -0.012 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

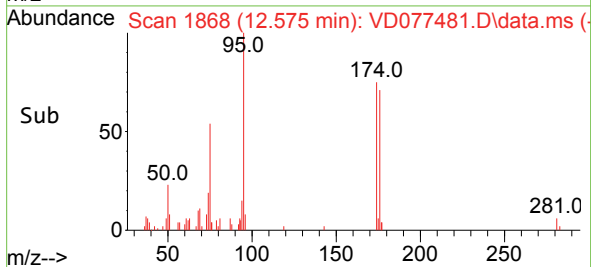
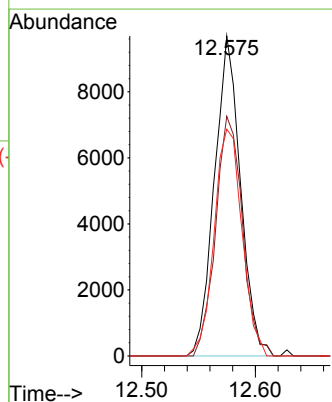
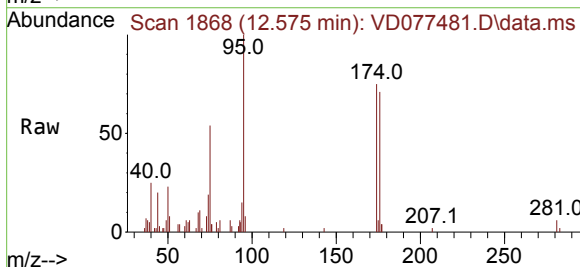
Instrument :
MSVOA_D
ClientSampleId :

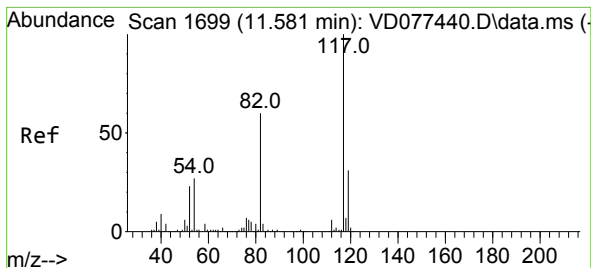
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 55.594 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

Tgt Ion: 95 Resp: 15424
Ion Ratio Lower Upper
95 100
174 77.1 0.0 201.8
176 75.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

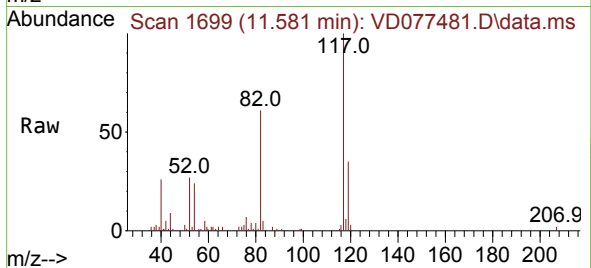
Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

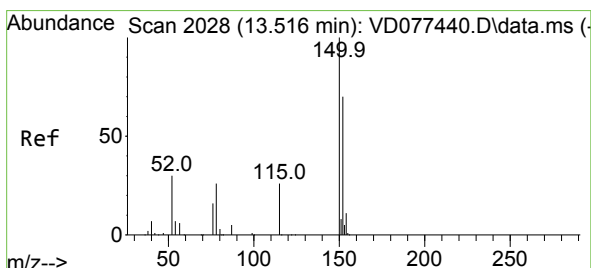
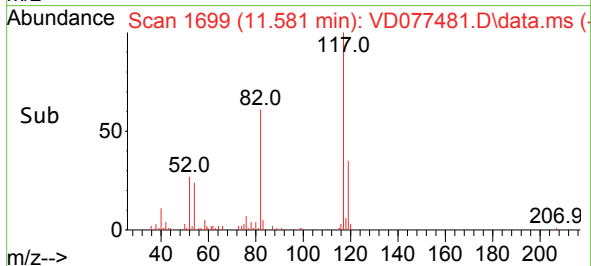
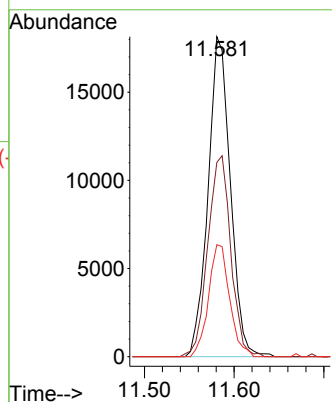
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	117	Resp:	31333
Ion Ratio	Lower	Upper	
117	100		
82	60.7	38.3	57.5#
119	35.0	25.0	37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

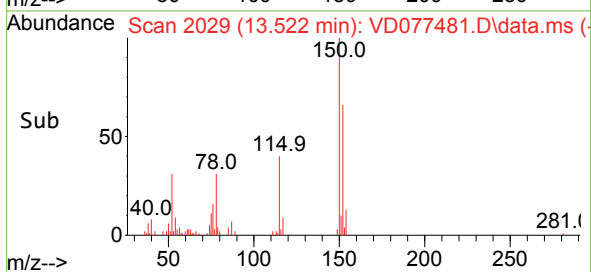
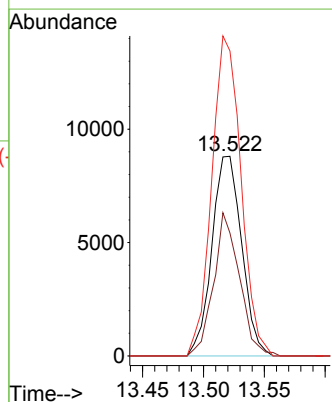
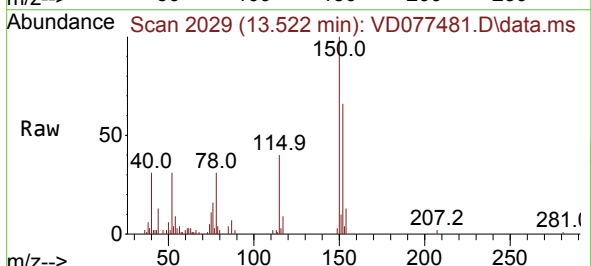
RT: 13.522 min Scan# 2029

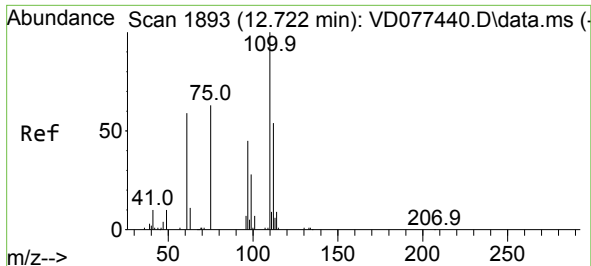
Delta R.T. 0.006 min

Lab File: VD077481.D

Acq: 01 Nov 2023 15:27

Tgt Ion:	152	Resp:	14990
Ion Ratio	Lower	Upper	
152	100		
115	62.3	27.1	81.3
150	157.1	0.0	353.6

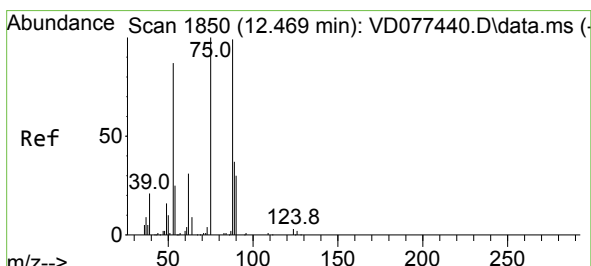
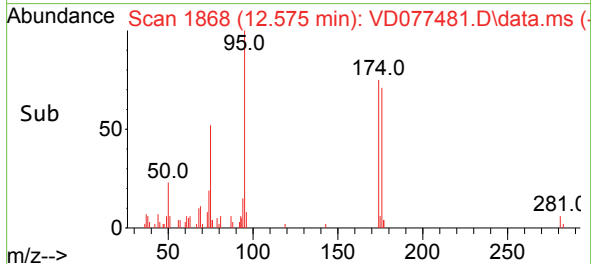
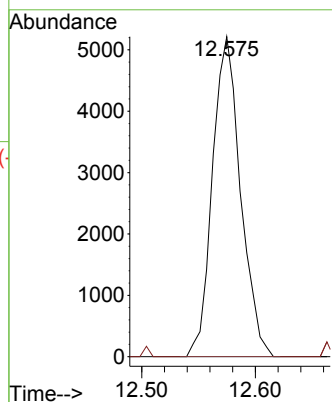
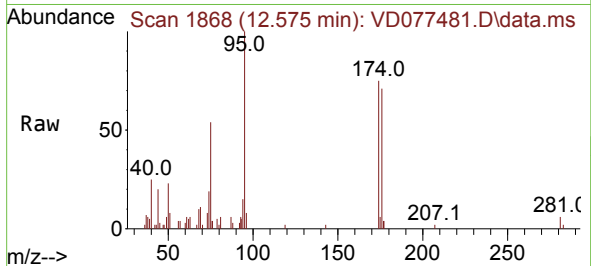




#76
1,2,3-Trichloropropane
Concen: 49.117 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

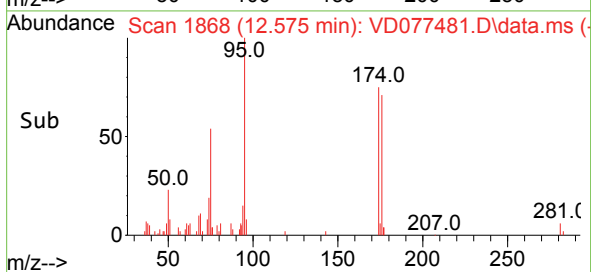
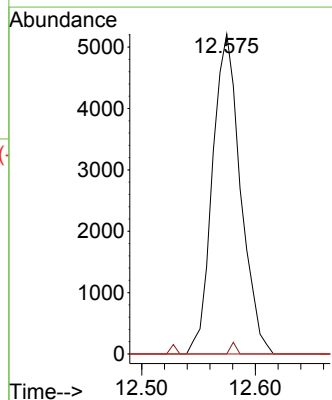
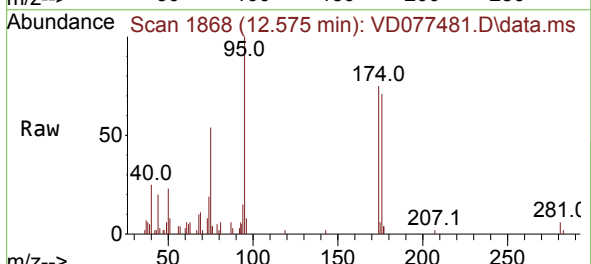
Instrument :
MSVOA_D
ClientSampleId :

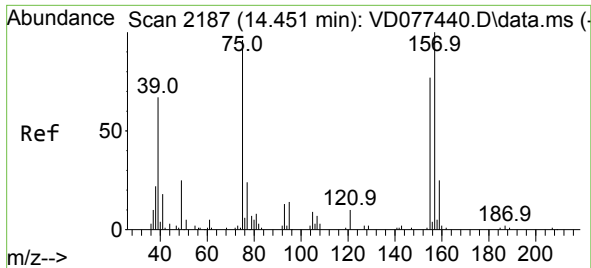
Tgt Ion: 75 Resp: 8961
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 94.876 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077481.D
Acq: 01 Nov 2023 15:27

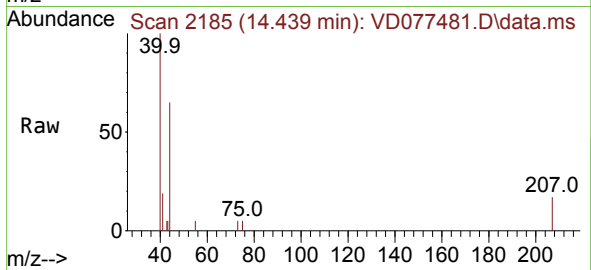
Tgt Ion: 75 Resp: 8961
Ion Ratio Lower Upper
75 100
53 0.7 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.388 ug/l
 RT: 14.439 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD077481.D
 Acq: 01 Nov 2023 15:27

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#

