

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077466.D
 Acq On : 31 Oct 2023 17:37
 Operator : JC/SY
 Sample : 05167-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:09:56 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)

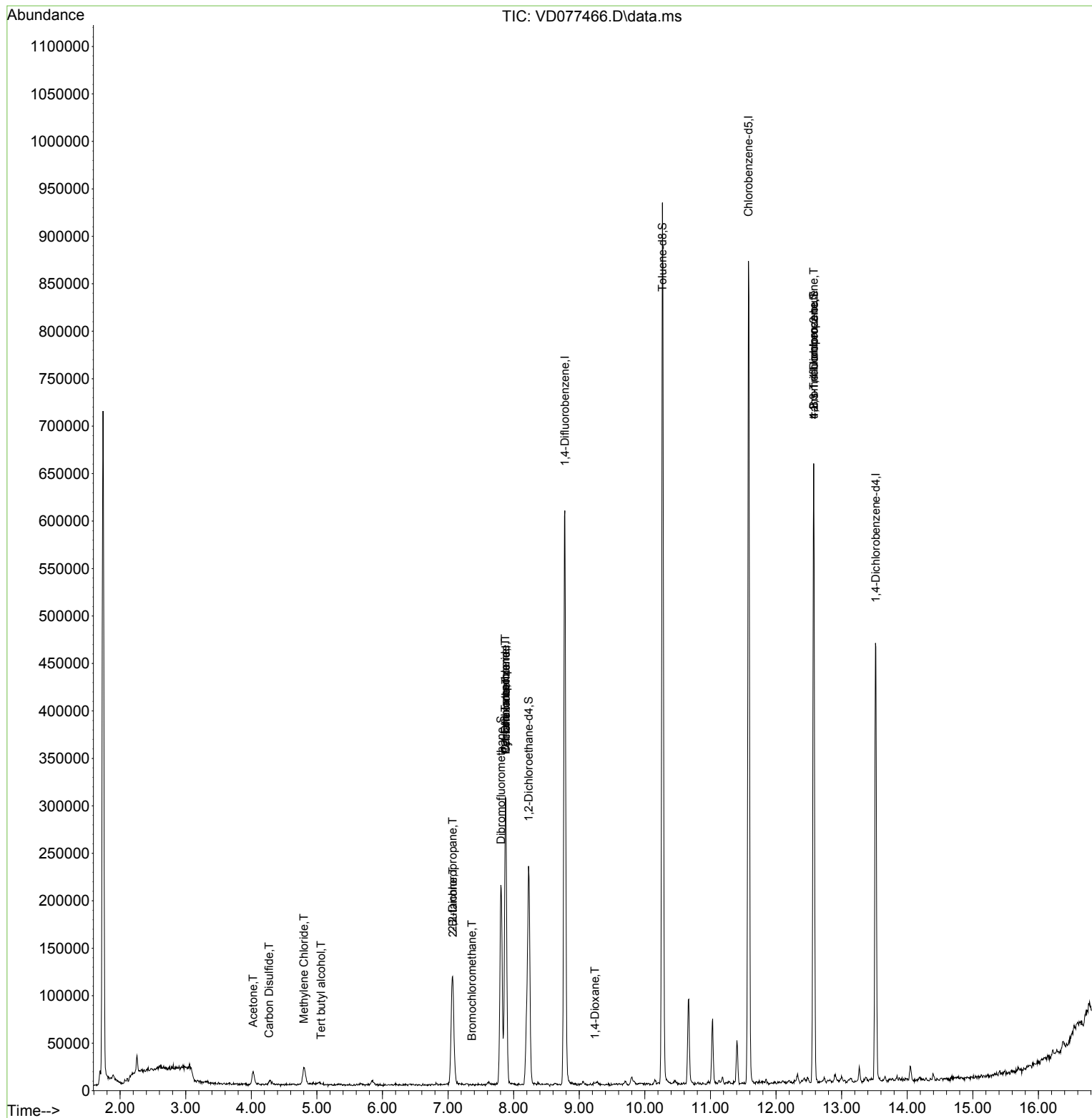
Internal Standards						
1) Pentafluorobenzene	7.881	168	221274	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	491466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	446298	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	119327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	165137	52.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.560%	
35) Dibromofluoromethane	7.810	113	155271	45.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.420%	
50) Toluene-d8	10.269	98	602915	45.696	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.400%	
62) 4-Bromofluorobenzene	12.574	95	193770	43.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.063	59	4575	18.459	ug/l	# 79
16) Acetone	4.028	43	23018	27.801	ug/l	# 80
17) Carbon Disulfide	4.269	76	3191	4.189	ug/l	# 70
20) Methylene Chloride	4.804	84	11381	1.302	ug/l	# 74
25) 2-Butanone	7.075	43	11286	10.220	ug/l	# 56
26) 2,2-Dichloropropane	7.069	77	8585	1.647	ug/l	# 49
28) Bromochloromethane	7.363	49	122	2.149	ug/l	# 1
31) Cyclohexane	7.881	56	7619	1.558	ug/l	# 46
36) 1,1-Dichloropropene	7.875	75	21987	4.366	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	23349	4.920	ug/l	# 17
49) 1,4-Dioxane	9.239	88	56	2.561	ug/l	# 1
76) 1,2,3-Trichloropropane	12.574	75	107744	74.187	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.574	75	107744	143.303	ug/l	# 18

(#) = 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# 1069

Delta R.T. 0.006 min

Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

Instrument :

MSVOA_D

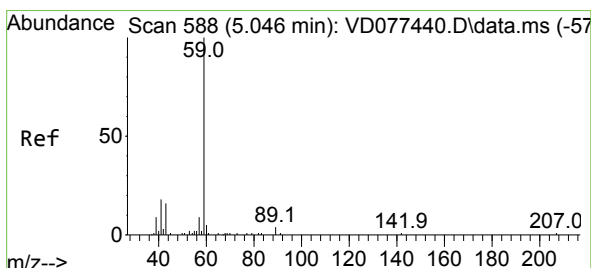
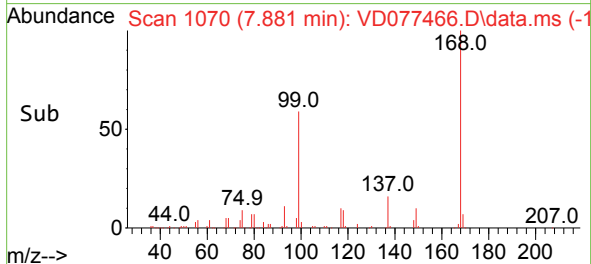
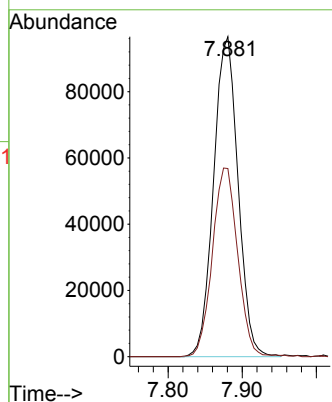
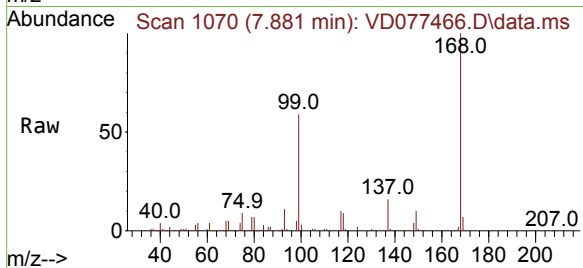
ClientSampleId :

Tgt Ion:168 Resp: 221274

Ion Ratio Lower Upper

168 100

99 58.8 36.7 55.1#



#11

Tert butyl alcohol

Concen: 18.459 ug/l

RT: 5.063 min Scan# 591

Delta R.T. 0.017 min

Lab File: VD077466.D

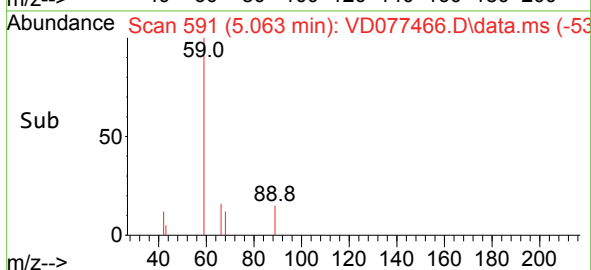
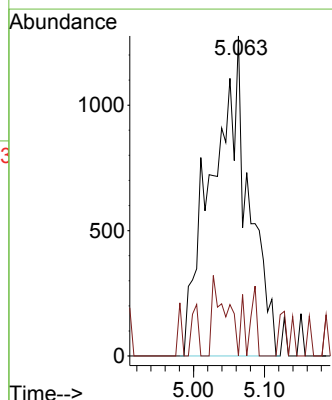
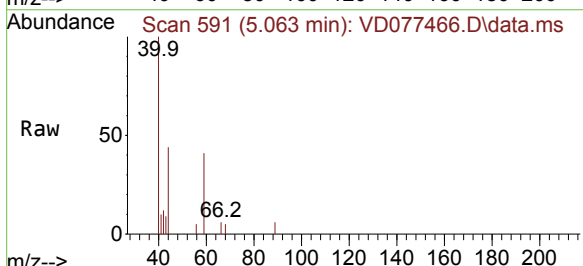
Acq: 31 Oct 2023 17:37

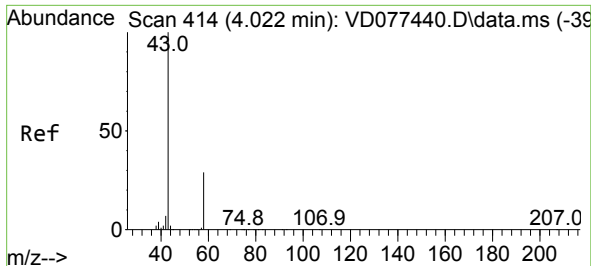
Tgt Ion: 59 Resp: 4575

Ion Ratio Lower Upper

59 100

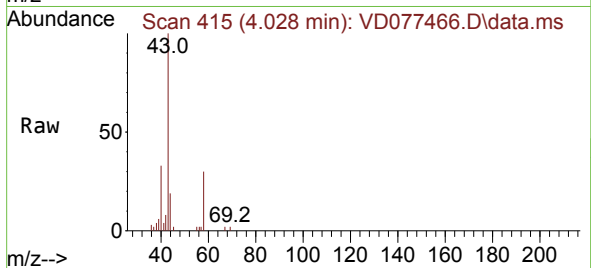
57 1.9 7.8 11.8#



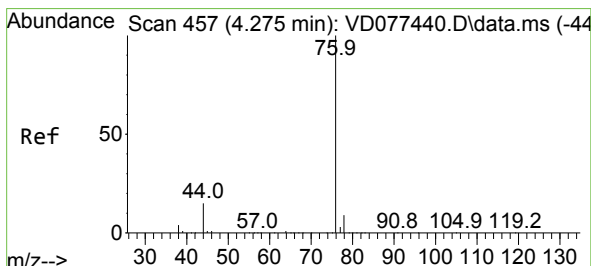
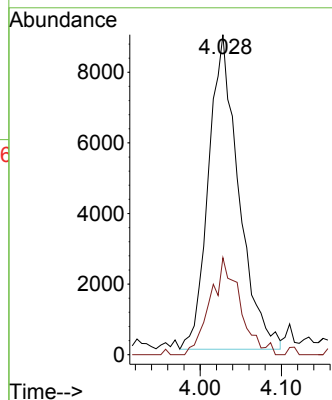
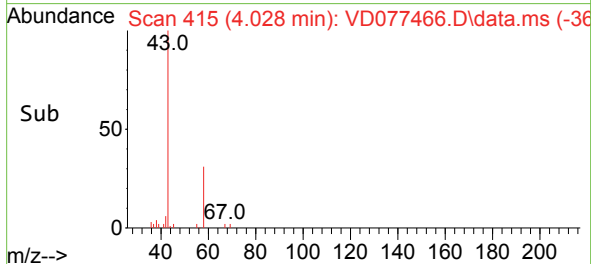


#16
Acetone
Concen: 27.801 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

Instrument :
MSVOA_D
ClientSampleId :

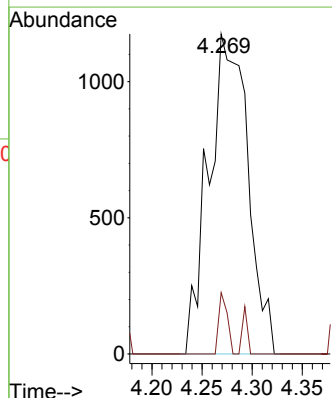
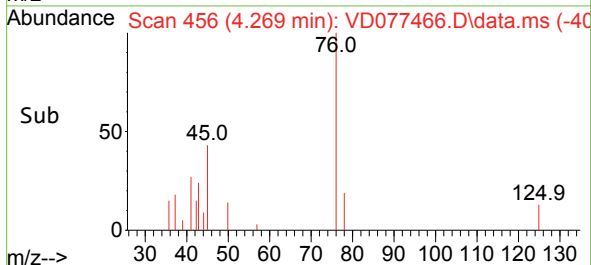
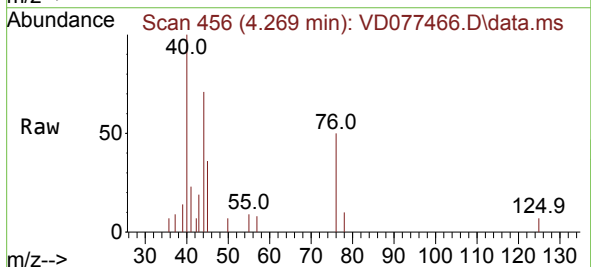


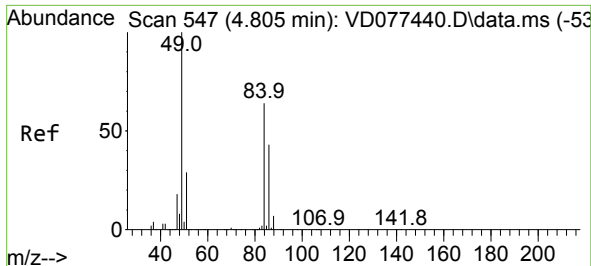
Tgt Ion: 43 Resp: 23018
Ion Ratio Lower Upper
43 100
58 30.8 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.189 ug/l
RT: 4.269 min Scan# 456
Delta R.T. -0.006 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

Tgt Ion: 76 Resp: 3191
Ion Ratio Lower Upper
76 100
78 19.1 6.8 10.2#

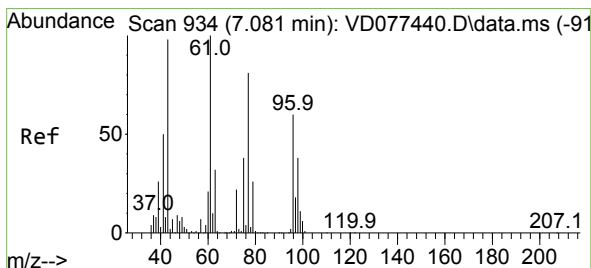
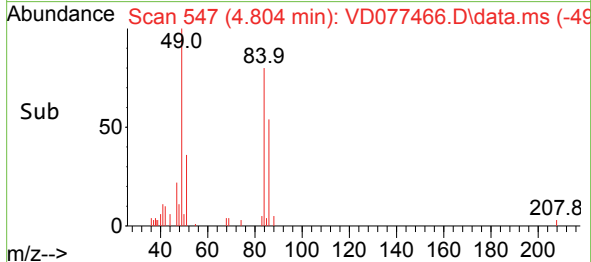
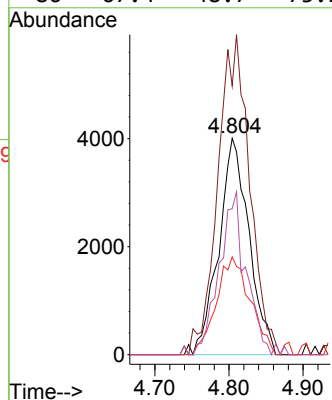
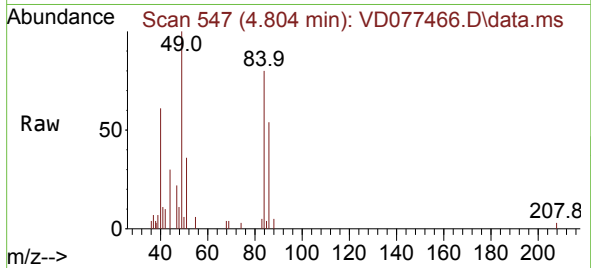




#20
Methylene Chloride
Concen: 1.302 ug/l
RT: 4.804 min Scan# 547
Delta R.T. -0.001 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

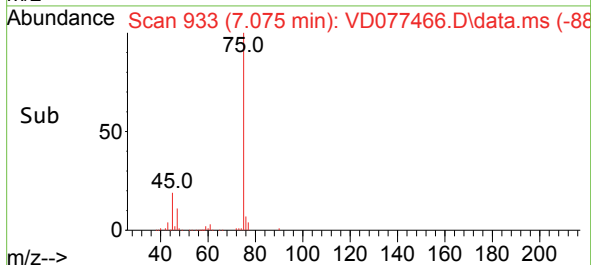
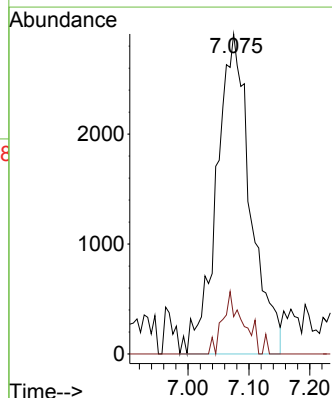
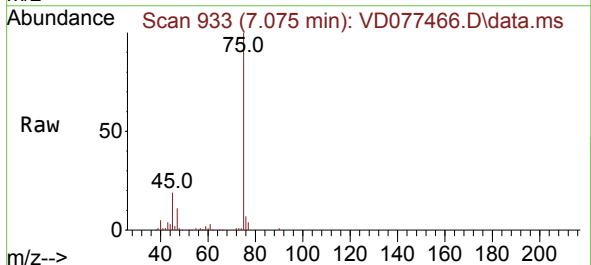
Instrument :
MSVOA_D
ClientSampleId :

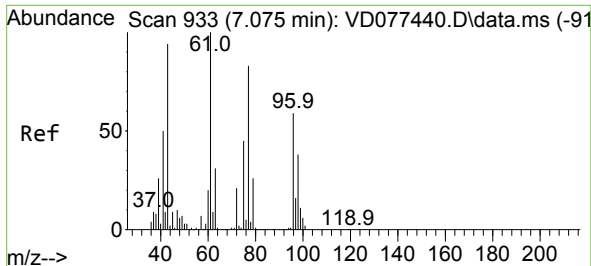
Tgt Ion: 84 Resp: 11381
Ion Ratio Lower Upper
84 100
49 124.3 71.4 107.2#
51 45.1 24.5 36.7#
86 67.4 48.7 73.1



#25
2-Butanone
Concen: 10.220 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

Tgt Ion: 43 Resp: 11286
Ion Ratio Lower Upper
43 100
72 11.7 30.7 46.1#





#26

2,2-Dichloropropane

Concen: 1.647 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

Instrument :

MSVOA_D

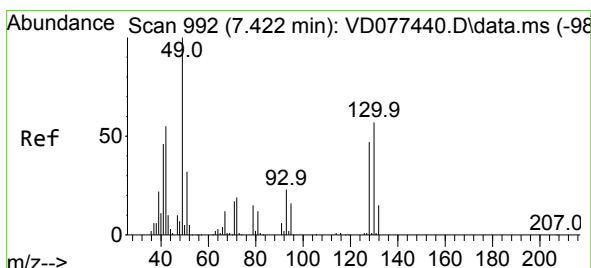
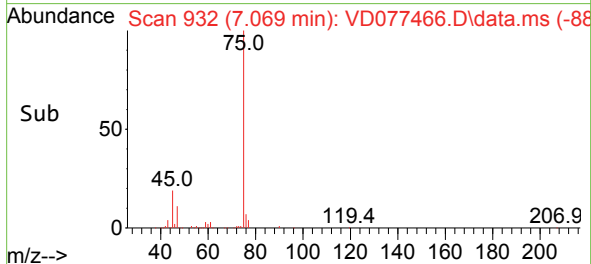
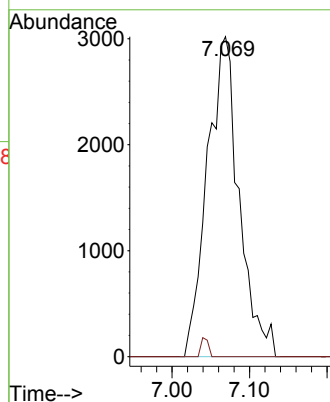
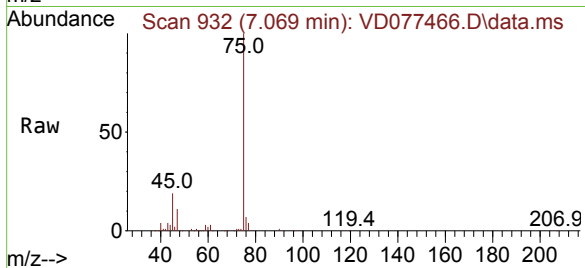
ClientSampleId :

Tgt Ion: 77 Resp: 8585

Ion Ratio Lower Upper

77 100

97 0.0 13.2 39.6#



#28

Bromochloromethane

Concen: 2.149 ug/l

RT: 7.363 min Scan# 982

Delta R.T. -0.059 min

Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

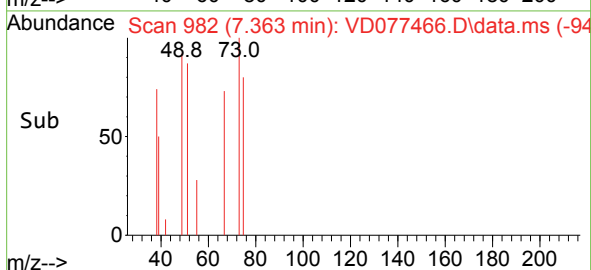
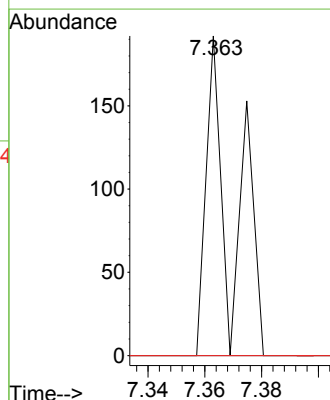
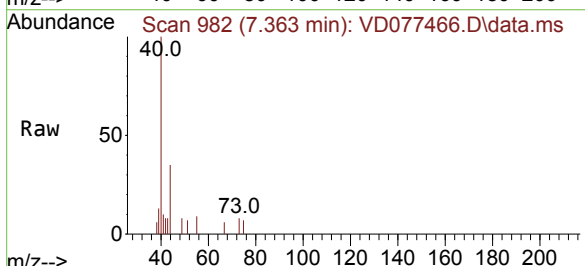
Tgt Ion: 49 Resp: 122

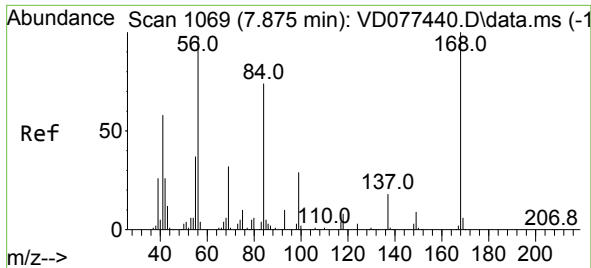
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

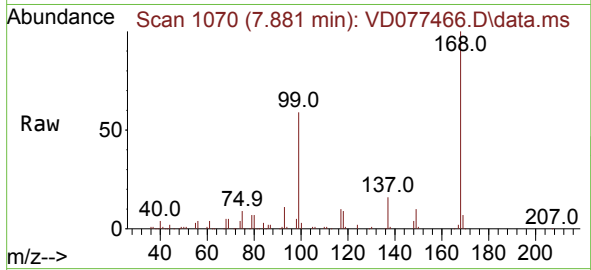
130 0.0 83.2 124.8#



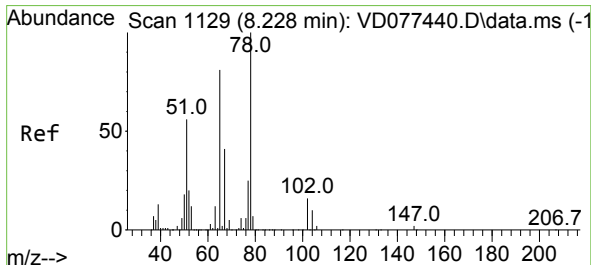
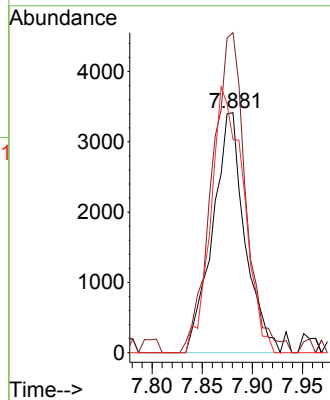
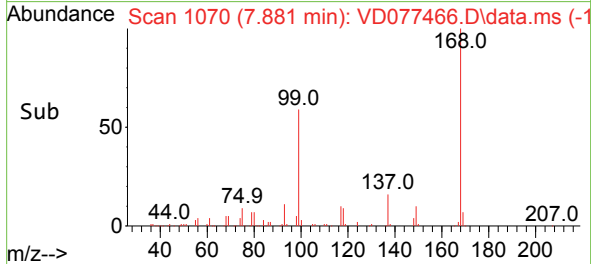


#31
Cyclohexane
Concen: 1.558 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

Instrument :
MSVOA_D
ClientSampleId :

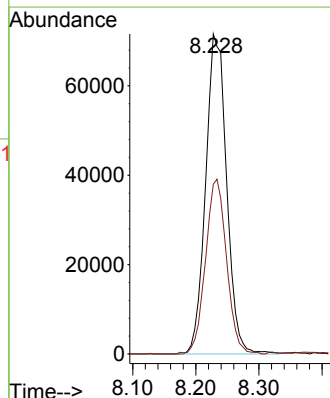
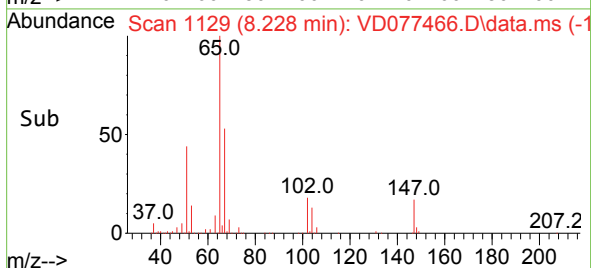
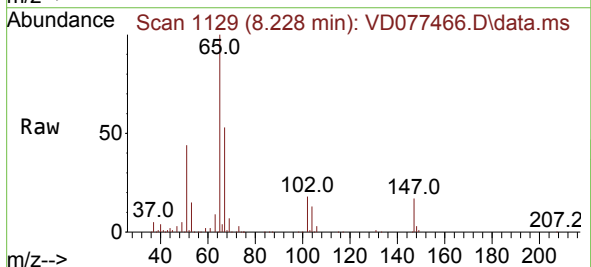


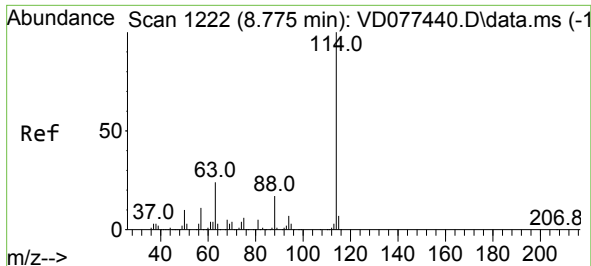
Tgt Ion: 56 Resp: 7619
Ion Ratio Lower Upper
56 100
69 133.3 28.6 43.0#
84 88.9 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 52.778 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

Tgt Ion: 65 Resp: 165137
Ion Ratio Lower Upper
65 100
67 54.8 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: VD077466.D

Acq: 31 Oct 2023 17:37

Instrument :

MSVOA_D

ClientSampleId :

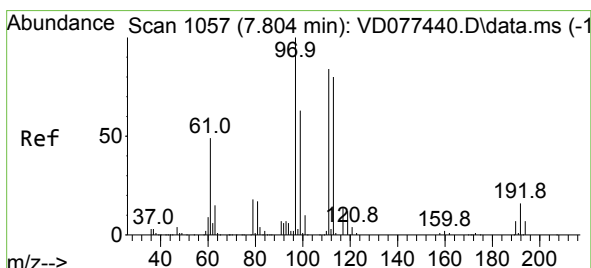
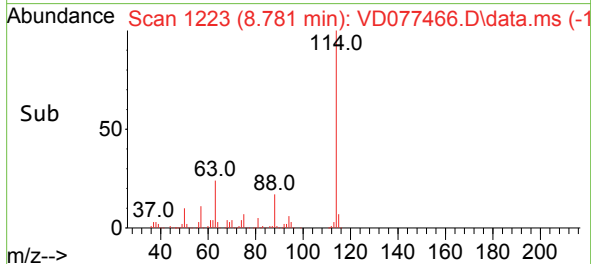
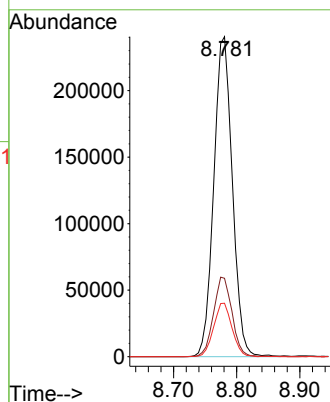
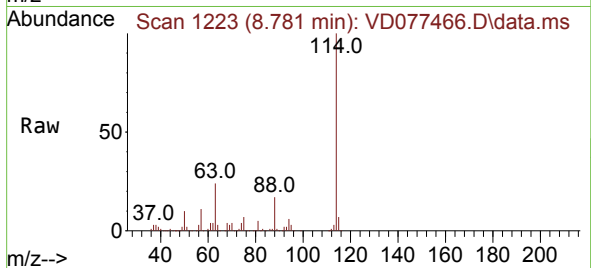
Tgt Ion:114 Resp: 491466

Ion Ratio Lower Upper

114 100

63 24.5 0.0 33.4

88 16.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.711 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

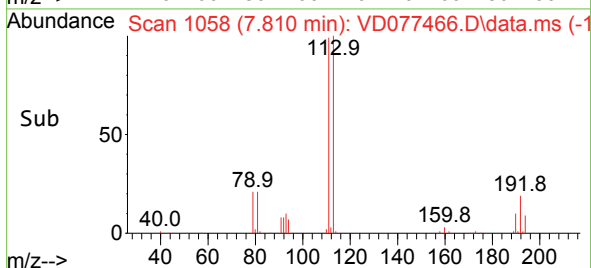
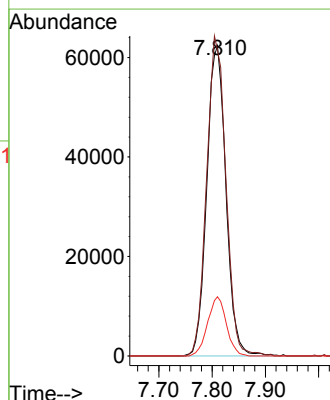
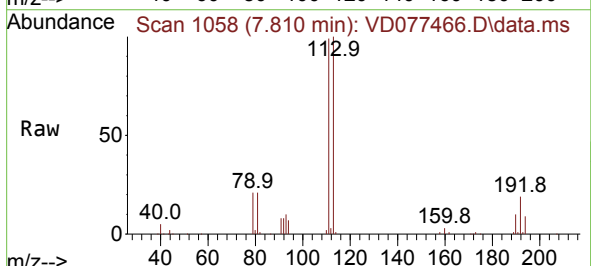
Tgt Ion:113 Resp: 155271

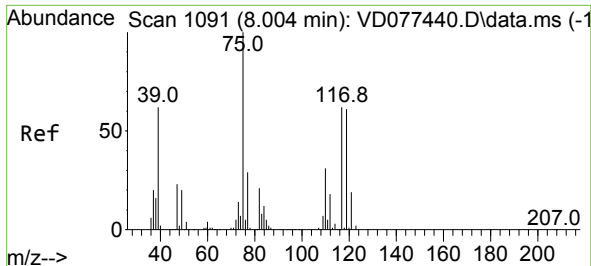
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

192 18.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.366 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

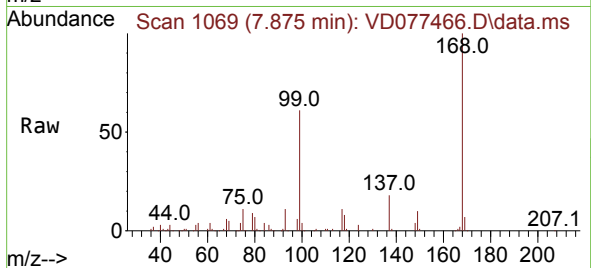
Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

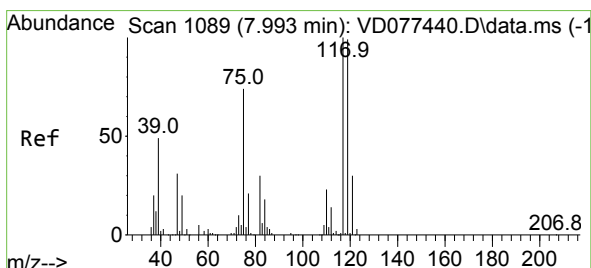
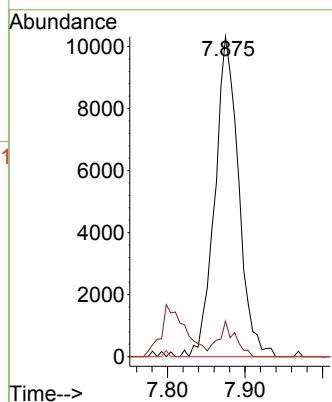
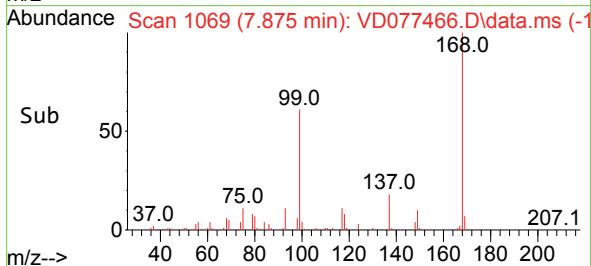
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	21987
Ion Ratio	Lower	Upper	
75	100		
110	7.8	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.920 ug/l

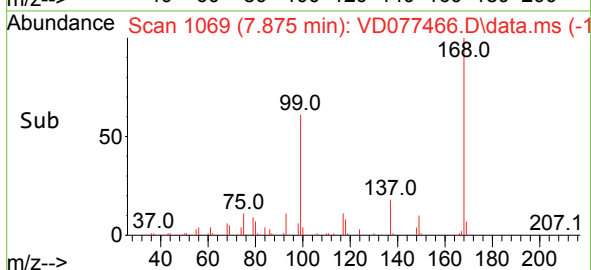
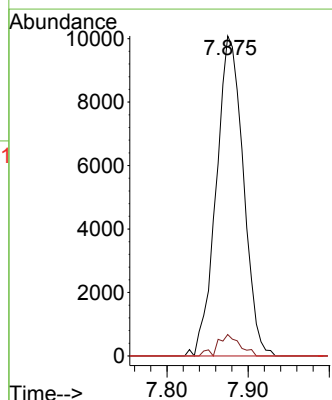
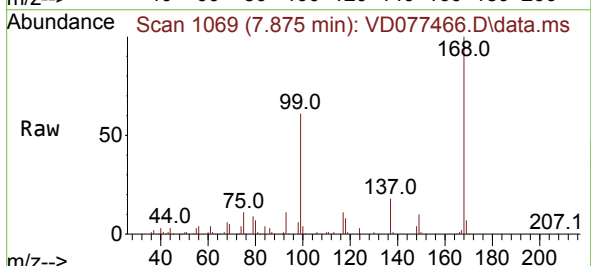
RT: 7.875 min Scan# 1069

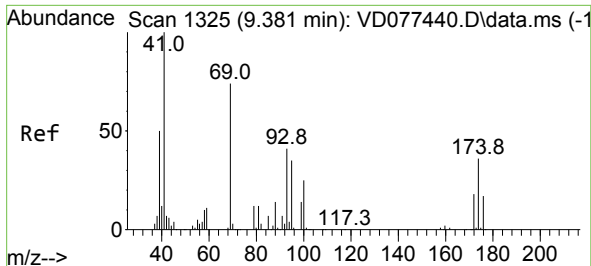
Delta R.T. -0.118 min

Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

Tgt Ion:	117	Resp:	23349
Ion Ratio	Lower	Upper	
117	100		
119	6.7	78.0	117.0#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 2.561 ug/l

RT: 9.239 min Scan# 11

Delta R.T. -0.141 min

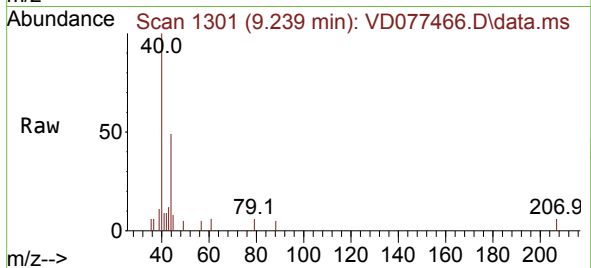
Lab File: VD077466.D

Acq: 31 Oct 2023 17:37

Instrument :

MSVOA_D

ClientSampleId :



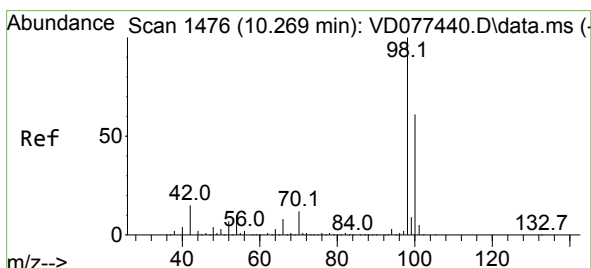
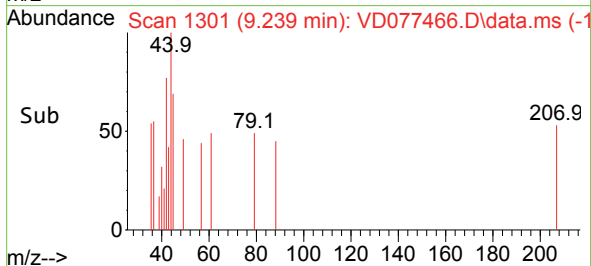
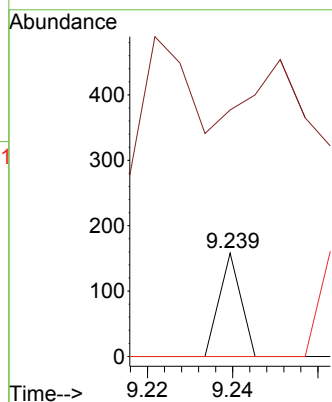
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 576.8 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.696 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077466.D

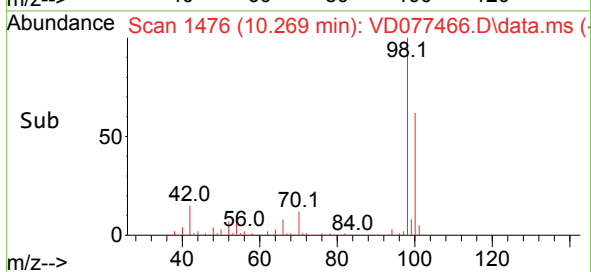
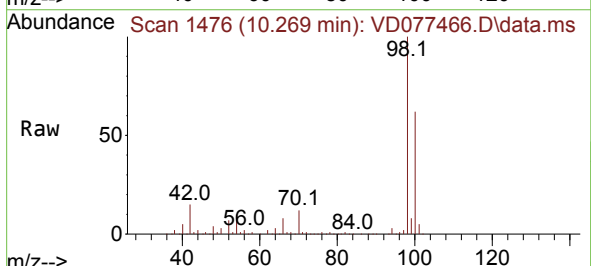
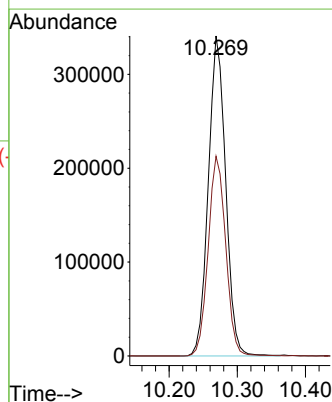
Acq: 31 Oct 2023 17:37

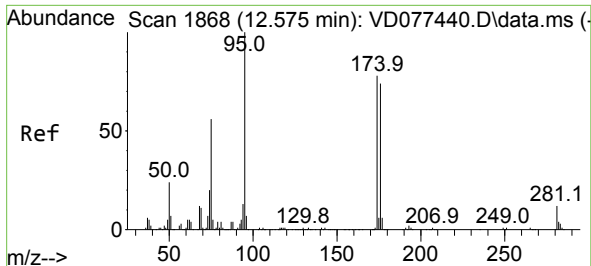
Tgt Ion: 98 Resp: 602915

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5

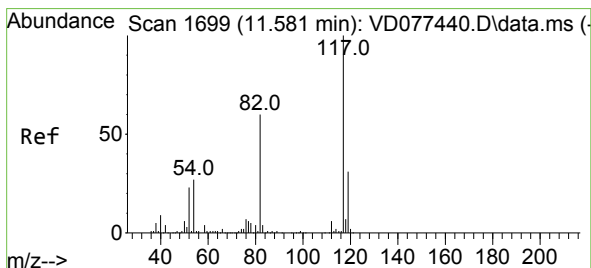
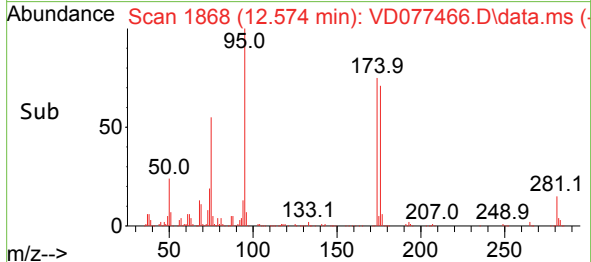
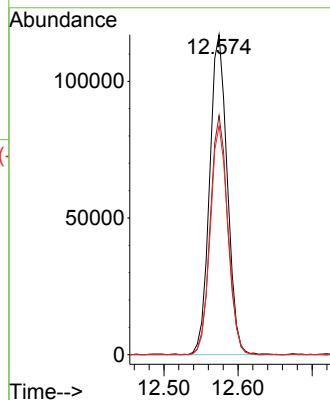
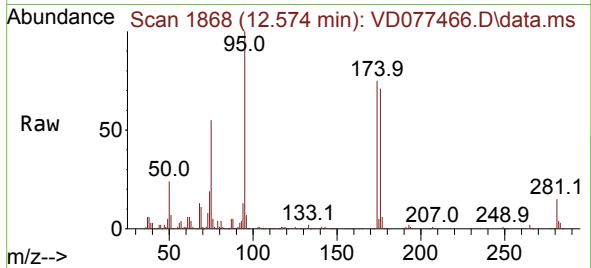




#62
4-Bromofluorobenzene
Concen: 43.604 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

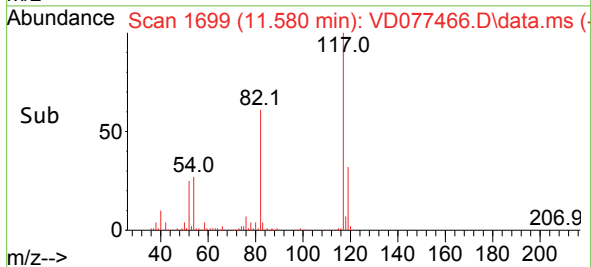
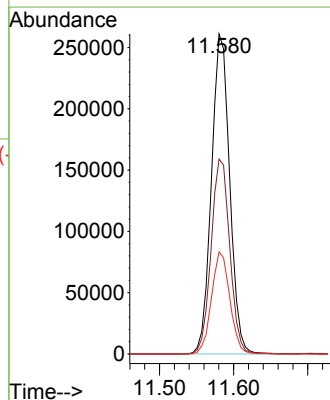
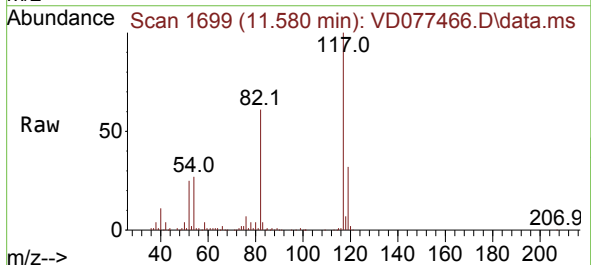
Instrument :
MSVOA_D
ClientSampleId :

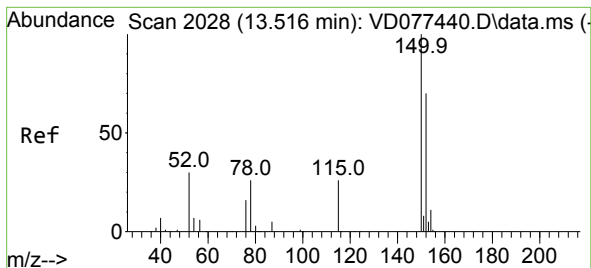
Tgt Ion: 95 Resp: 193770
Ion Ratio Lower Upper
95 100
174 73.8 0.0 201.8
176 71.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077466.D
Acq: 31 Oct 2023 17:37

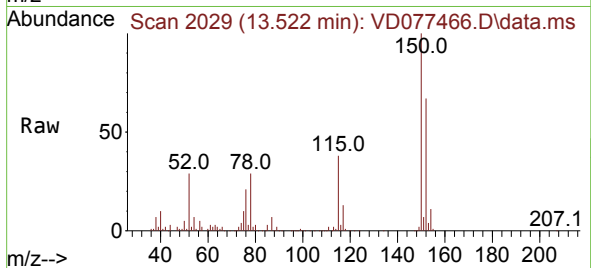
Tgt Ion: 117 Resp: 446298
Ion Ratio Lower Upper
117 100
82 60.9 38.3 57.5#
119 31.9 25.0 37.4



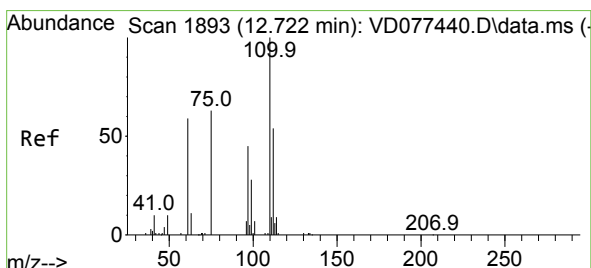
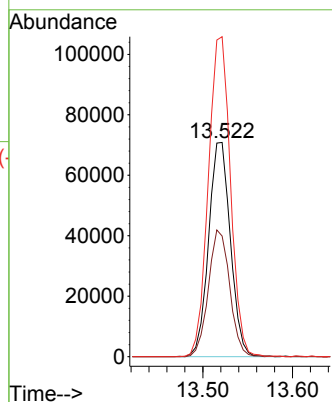
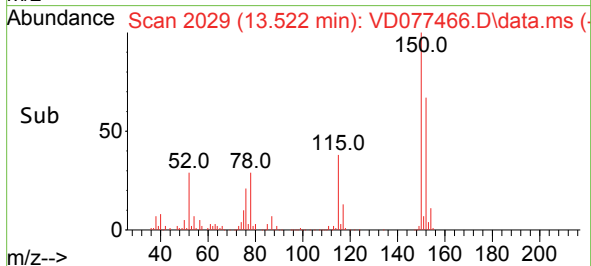


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077466.D
 Acq: 31 Oct 2023 17:37

Instrument :
 MSVOA_D
 ClientSampleId :

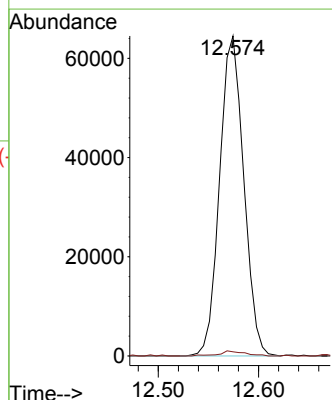
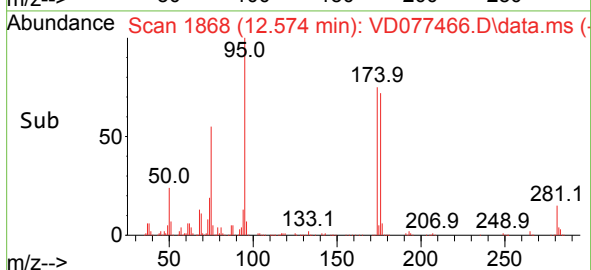
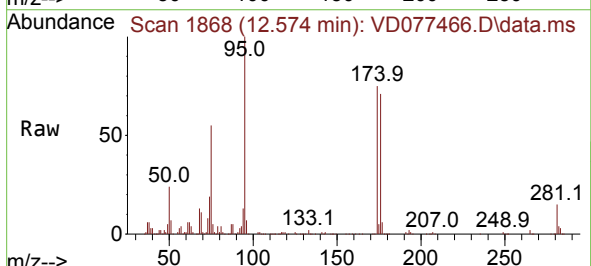


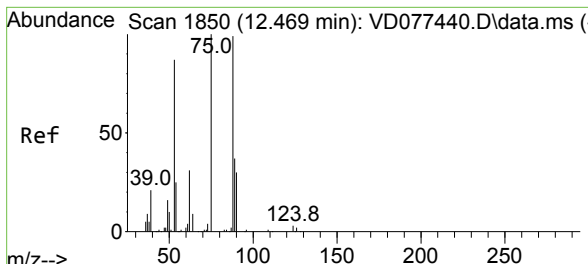
Tgt Ion:152 Resp: 119327
 Ion Ratio Lower Upper
 152 100
 115 58.0 27.1 81.3
 150 151.7 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 74.187 ug/l
 RT: 12.574 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077466.D
 Acq: 31 Oct 2023 17:37

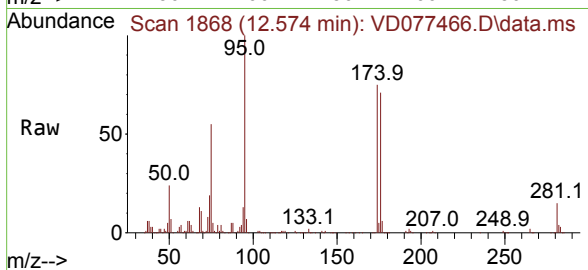
Tgt Ion: 75 Resp: 107744
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.303 ug/l
 RT: 12.574 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077466.D
 Acq: 31 Oct 2023 17:37

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	107744
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.4	37.9	56.9#

