

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077166.D
 Acq On : 20 Sep 2023 14:52
 Operator : JC/SY
 Sample : 04479-06RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:24:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

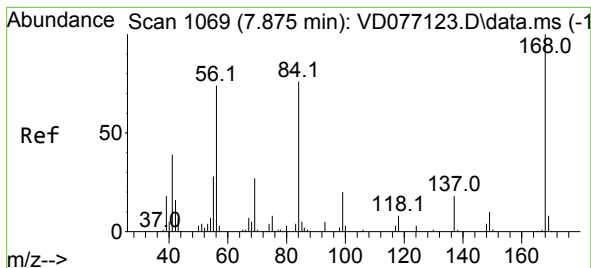
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	227438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	507487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	601979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	288233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	116260	50.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.300%	
35) Dibromofluoromethane	7.804	113	164456	46.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.300%	
50) Toluene-d8	10.269	98	663860	52.911	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.820%	
62) 4-Bromofluorobenzene	12.575	95	237540	61.083	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 122.160%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.046	59	600	4.585	ug/l #	73
16) Acetone	4.028	43	4931	9.399	ug/l #	74
25) 2-Butanone	7.069	43	2213	3.206	ug/l #	69
26) 2,2-Dichloropropane	7.057	77	4455	1.002	ug/l #	49
31) Cyclohexane	7.881	56	4114	1.024	ug/l #	7
36) 1,1-Dichloropropene	7.869	75	17472	3.291	ug/l #	48
37) Ethyl Acetate	7.069	43	2213	1.087	ug/l #	38
38) Carbon Tetrachloride	7.869	117	21615	4.143	ug/l #	16
51) 4-Methyl-2-Pentanone	10.263	43	2447	1.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	121720	52.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	121720	100.207	ug/l #	17

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

Quant Time: Sep 21 02:24:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

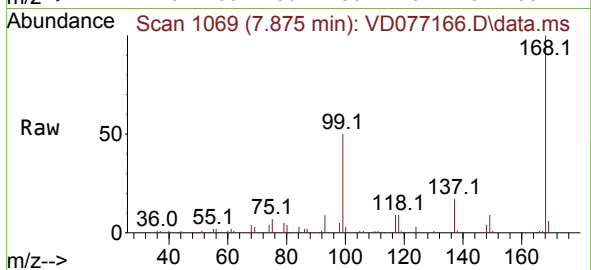
Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

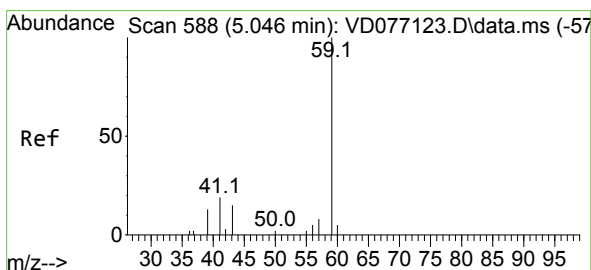
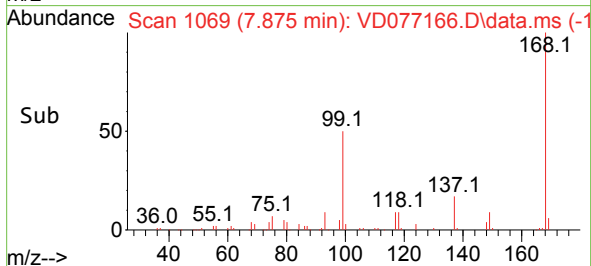
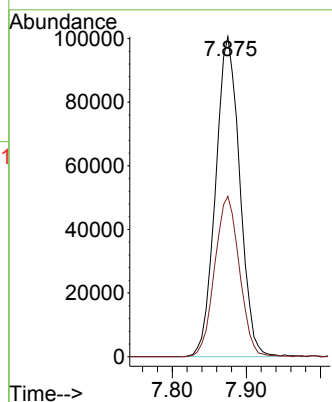


Tgt Ion:168 Resp: 227438

Ion Ratio Lower Upper

168 100

99 50.1 36.7 55.1



#11

Tert butyl alcohol

Concen: 4.585 ug/l

RT: 5.046 min Scan# 588

Delta R.T. 0.000 min

Lab File: VD077166.D

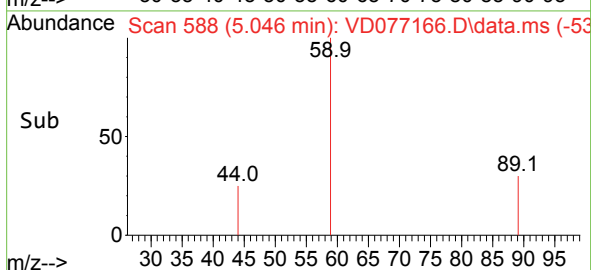
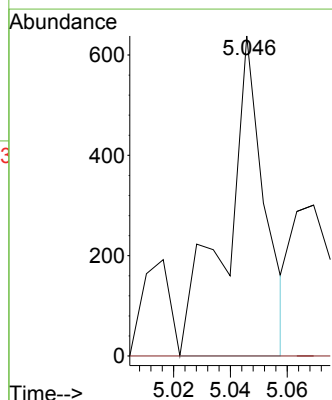
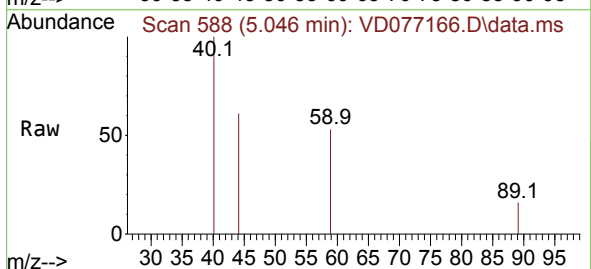
Acq: 20 Sep 2023 14:52

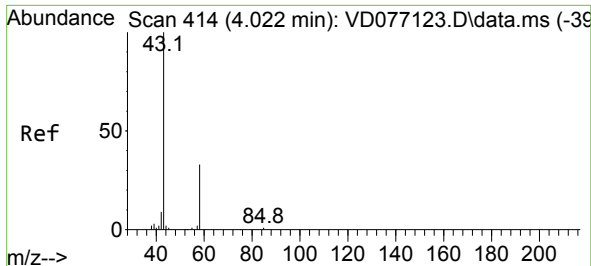
Tgt Ion: 59 Resp: 600

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

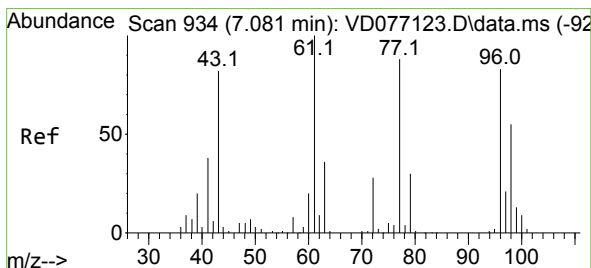
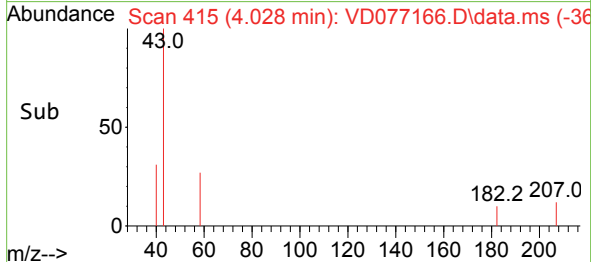
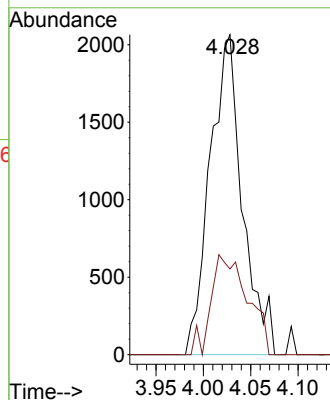
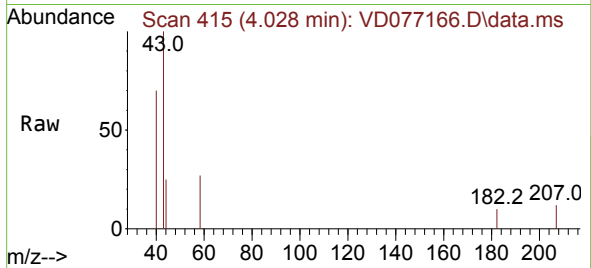




#16
Acetone
Concen: 9.399 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

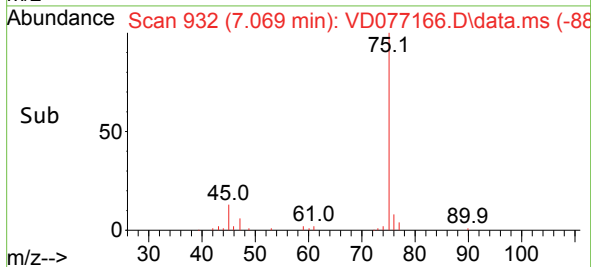
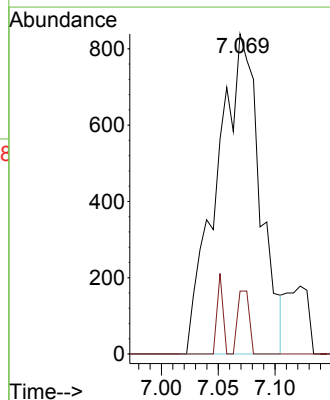
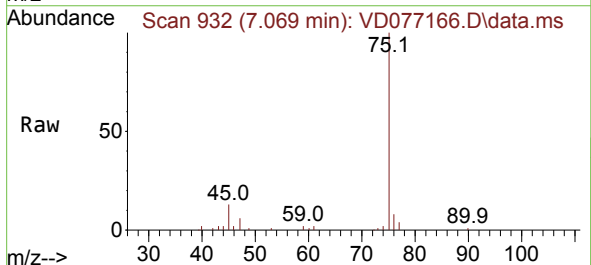
Instrument :
MSVOA_D
ClientSampleId :

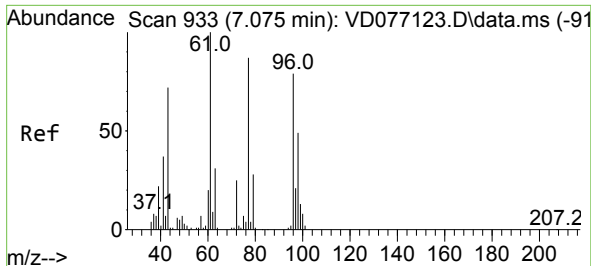
Tgt Ion: 43 Resp: 4931
Ion Ratio Lower Upper
43 100
58 26.8 34.7 52.1#



#25
2-Butanone
Concen: 3.206 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

Tgt Ion: 43 Resp: 2213
Ion Ratio Lower Upper
43 100
72 19.7 30.7 46.1#





#26

2,2-Dichloropropane

Concen: 1.002 ug/l

RT: 7.057 min Scan# 91

Delta R.T. -0.018 min

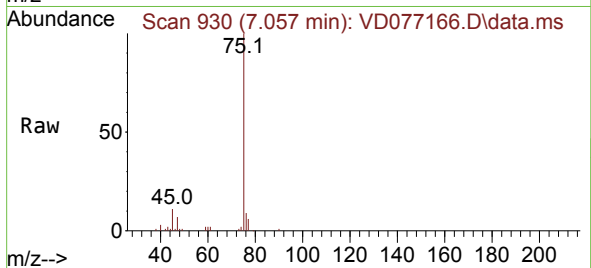
Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

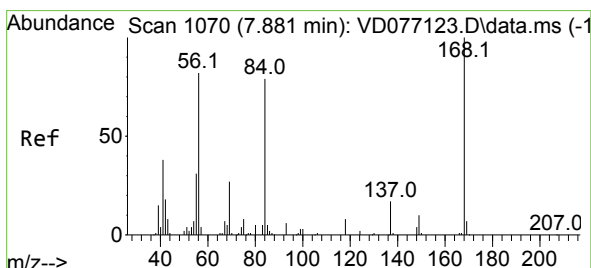
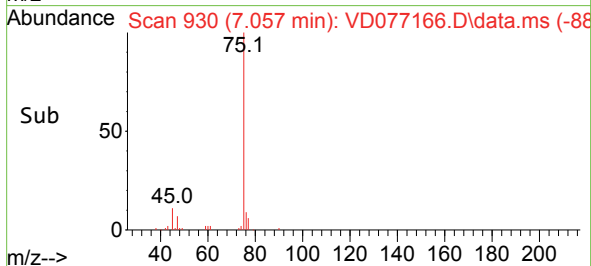
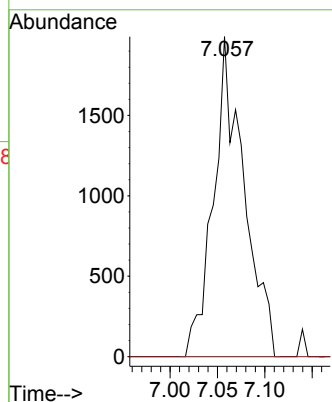


Tgt Ion: 77 Resp: 4455

Ion Ratio Lower Upper

77 100

97 0.0 13.2 39.6#



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

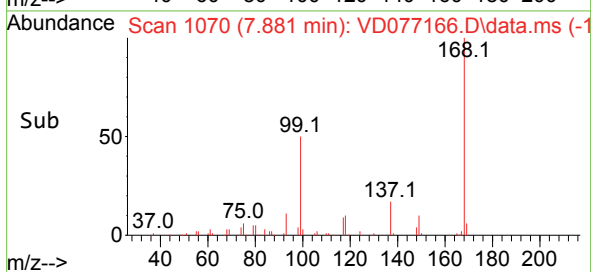
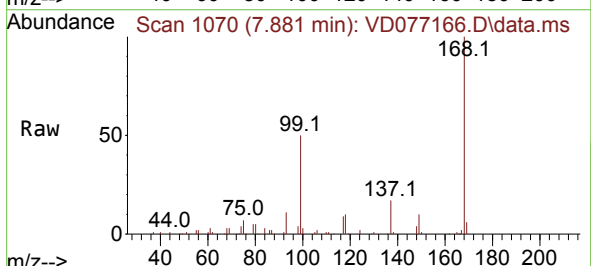
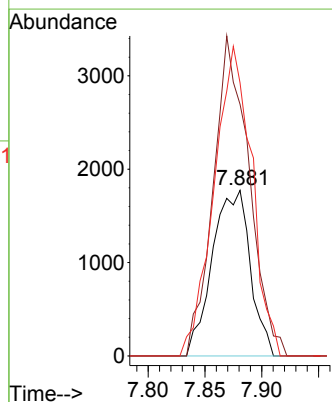
Tgt Ion: 56 Resp: 4114

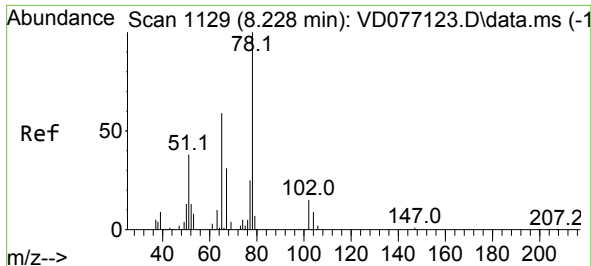
Ion Ratio Lower Upper

56 100

69 151.9 28.6 43.0#

84 164.9 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 50.651 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

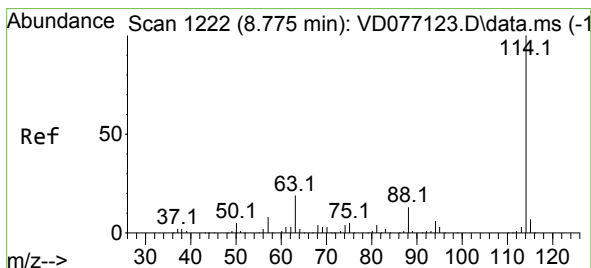
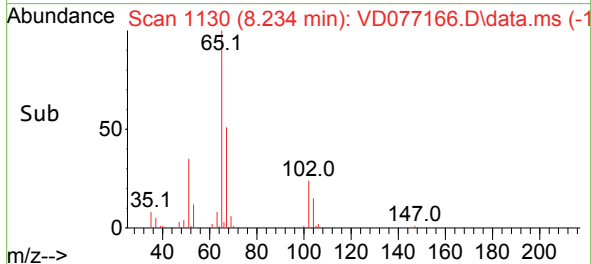
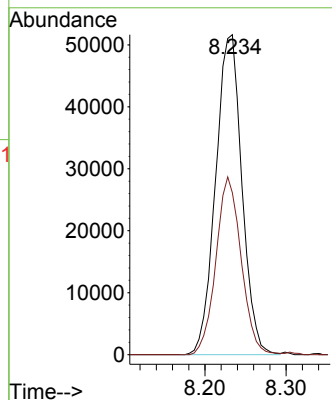
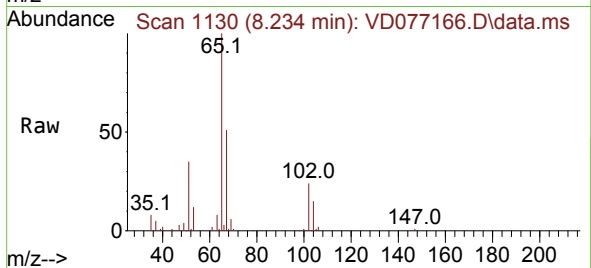
ClientSampleId :

Tgt Ion: 65 Resp: 116260

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: VD077166.D

Acq: 20 Sep 2023 14:52

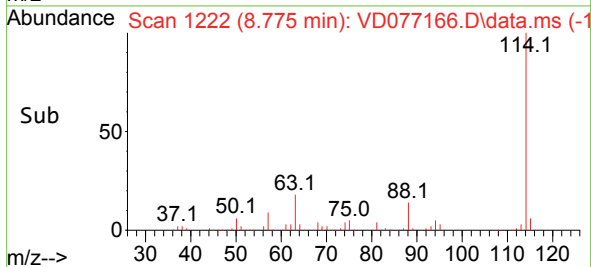
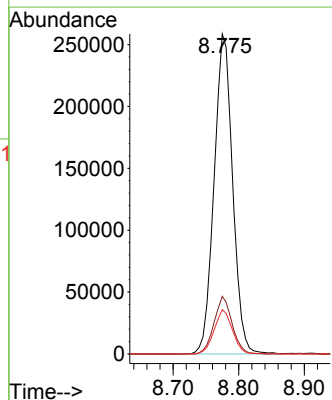
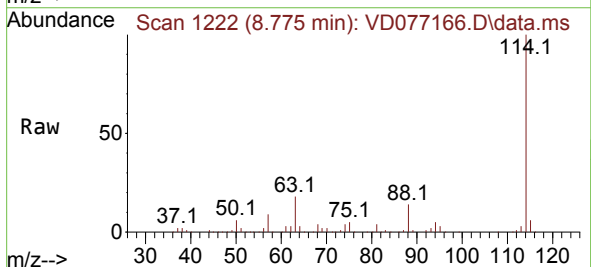
Tgt Ion: 114 Resp: 507487

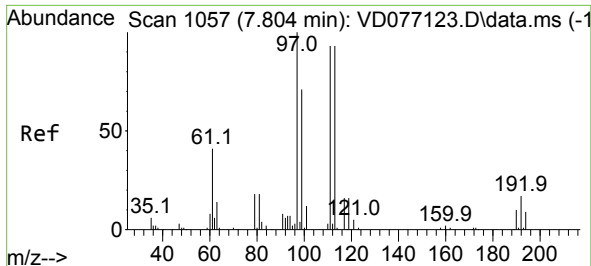
Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

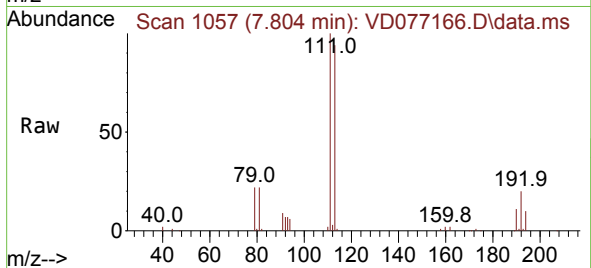
88 13.8 0.0 26.2



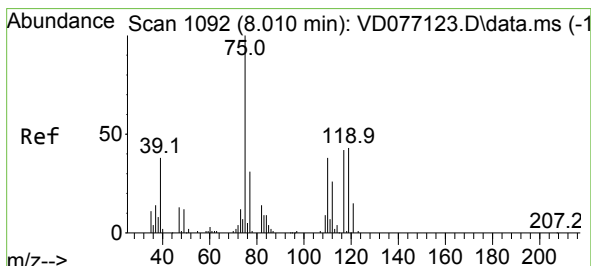
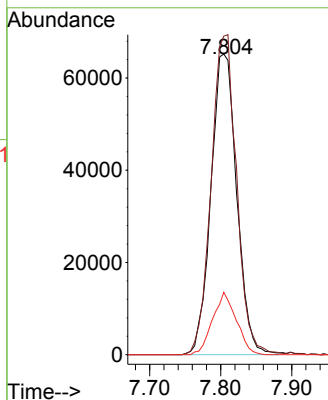
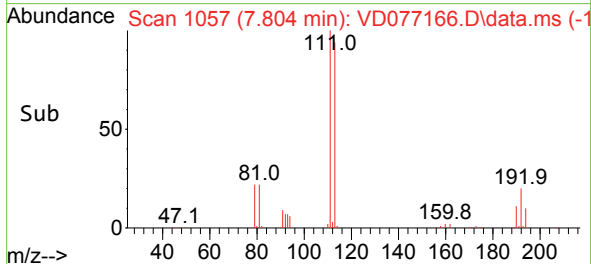


#35
Dibromofluoromethane
Concen: 46.655 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

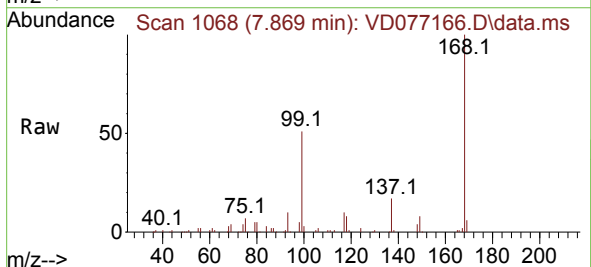
Instrument :
MSVOA_D
ClientSampleId :



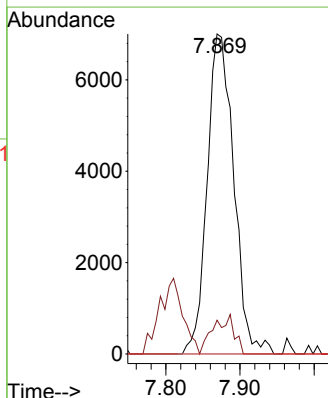
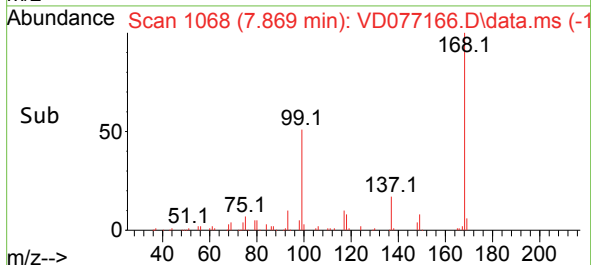
Tgt Ion:113 Resp: 164456
Ion Ratio Lower Upper
113 100
111 104.8 84.7 127.1
192 19.0 16.8 25.2

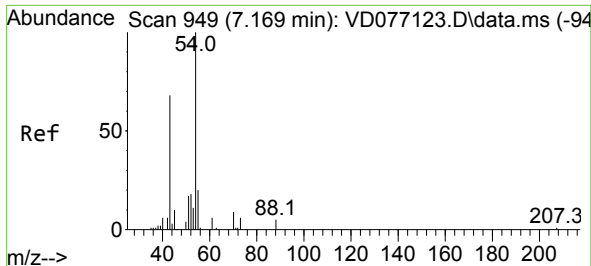


#36
1,1-Dichloropropene
Concen: 3.291 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52



Tgt Ion: 75 Resp: 17472
Ion Ratio Lower Upper
75 100
110 9.6 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.087 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

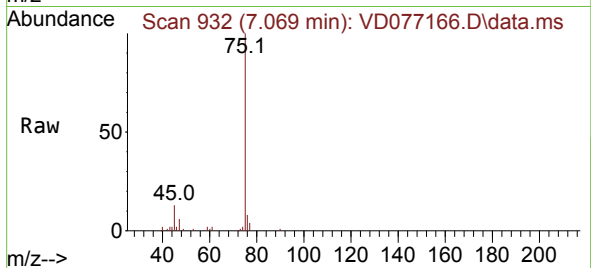
Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :



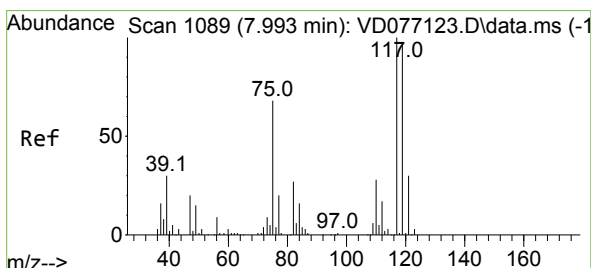
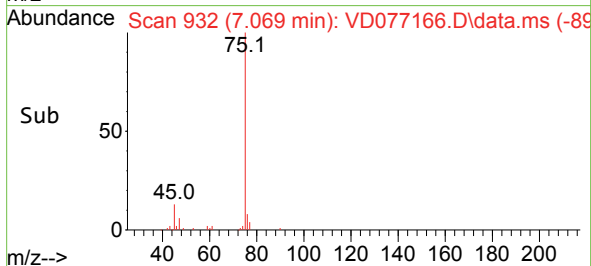
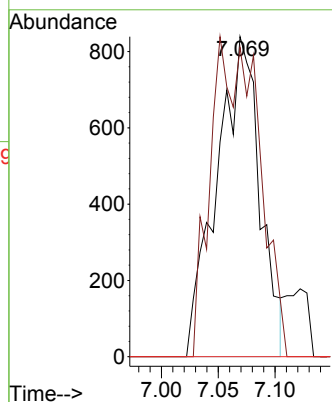
Tgt Ion: 43 Resp: 2213

Ion Ratio Lower Upper

43 100

61 55.4 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 4.143 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.123 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

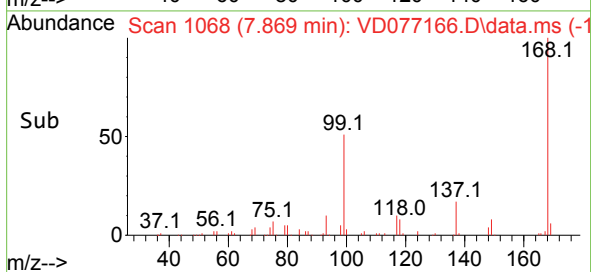
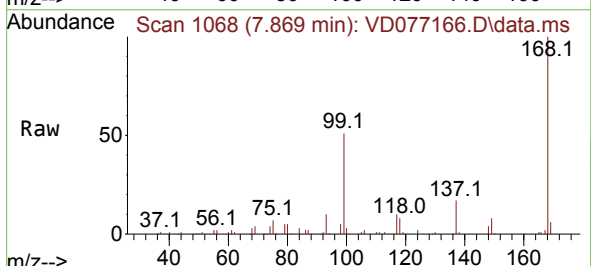
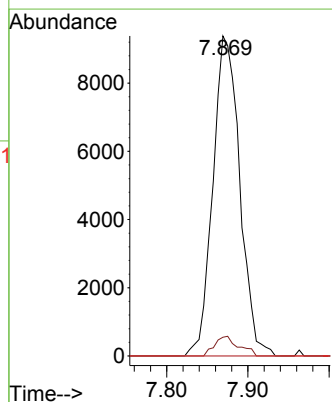
Tgt Ion: 117 Resp: 21615

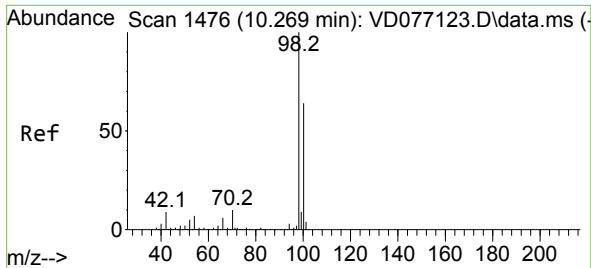
Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.2 36.2#

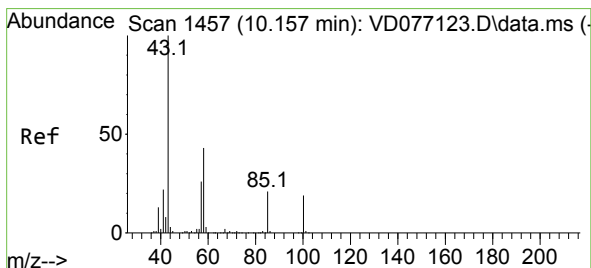
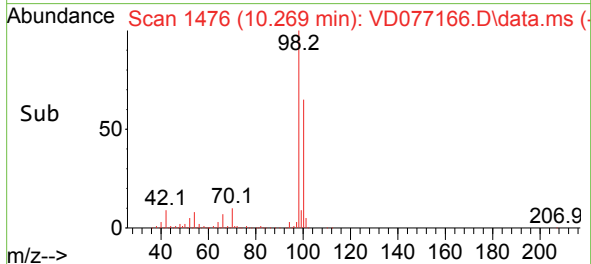
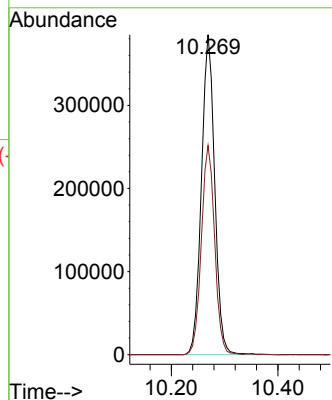
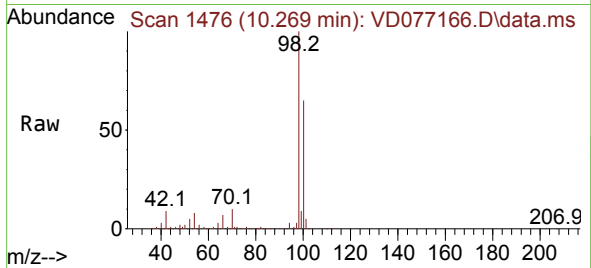




#50
Toluene-d8
Concen: 52.911 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

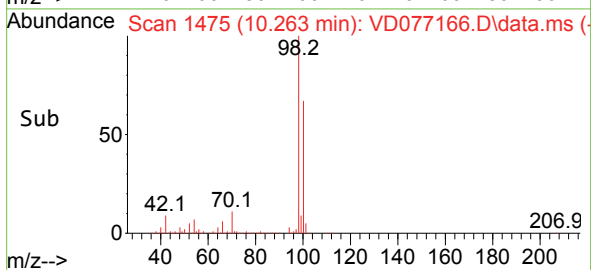
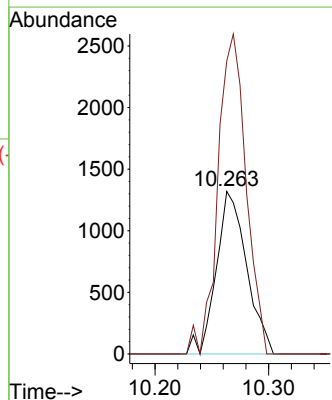
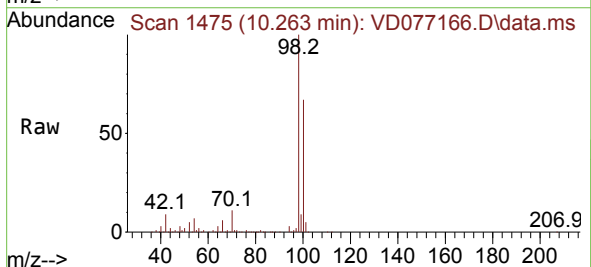
Instrument :
MSVOA_D
ClientSampleId :

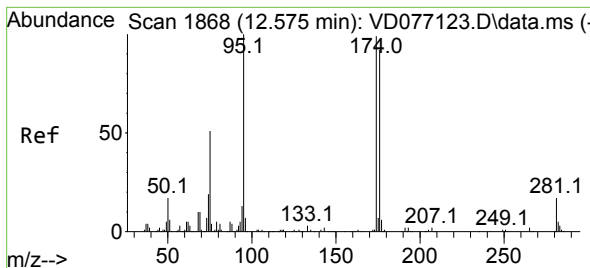
Tgt Ion: 98 Resp: 663860
Ion Ratio Lower Upper
98 100
100 65.6 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.248 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

Tgt Ion: 43 Resp: 2447
Ion Ratio Lower Upper
43 100
58 182.8 38.9 58.3#

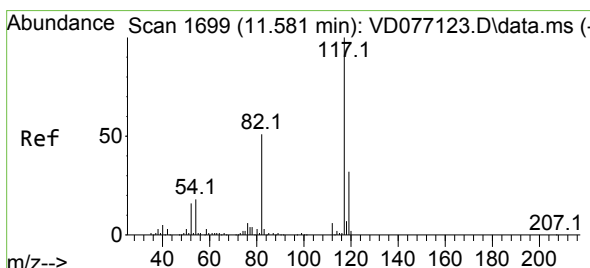
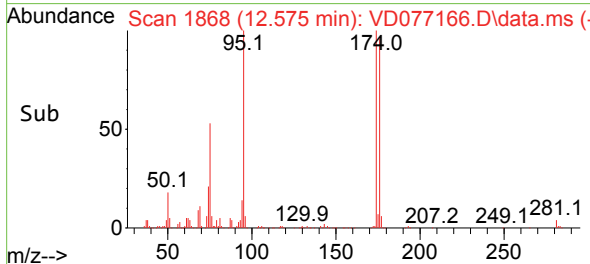
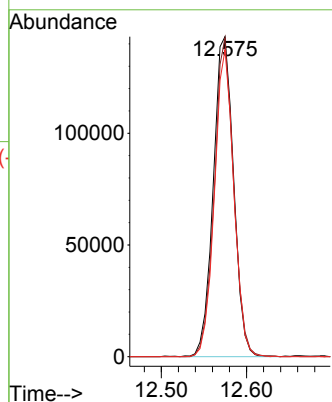
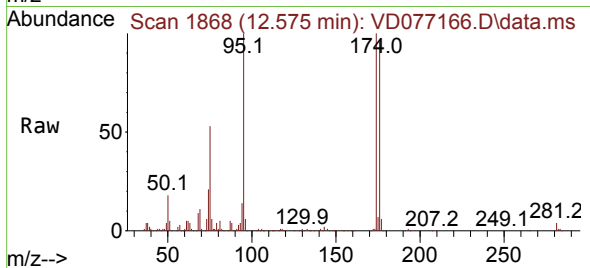




#62
4-Bromofluorobenzene
Concen: 61.083 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

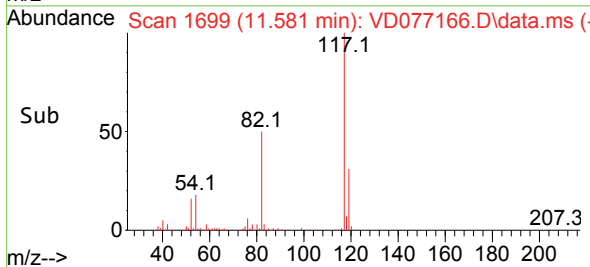
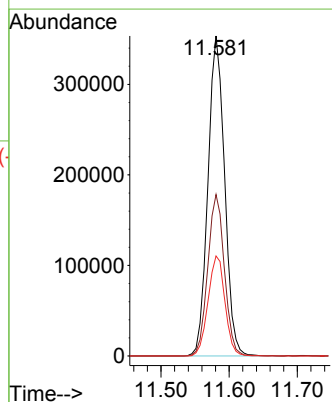
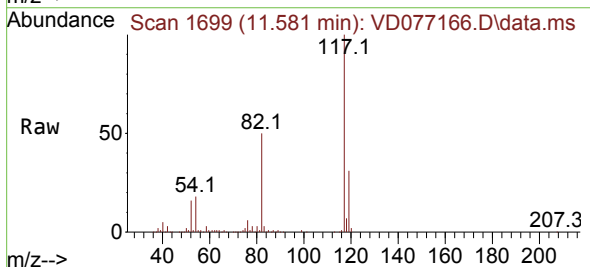
Instrument :
MSVOA_D
ClientSampleId :

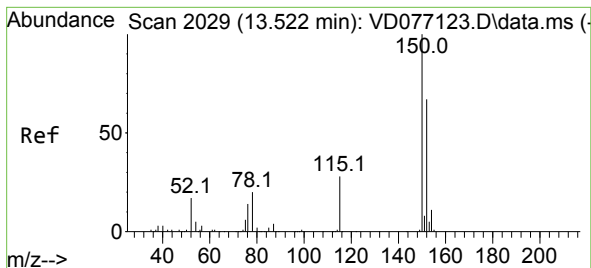
Tgt Ion: 95 Resp: 237540
Ion Ratio Lower Upper
95 100
174 94.6 0.0 201.8
176 91.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

Tgt Ion: 117 Resp: 601979
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 31.3 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

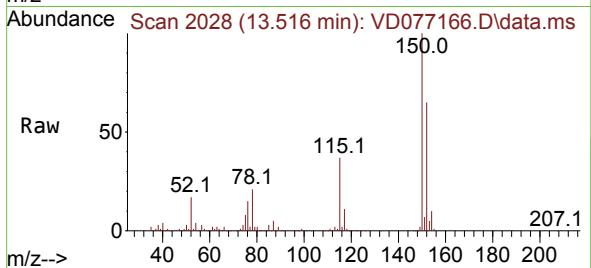
Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :



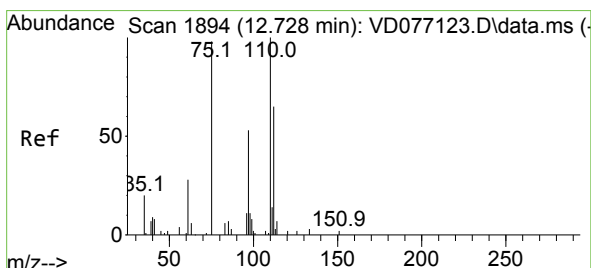
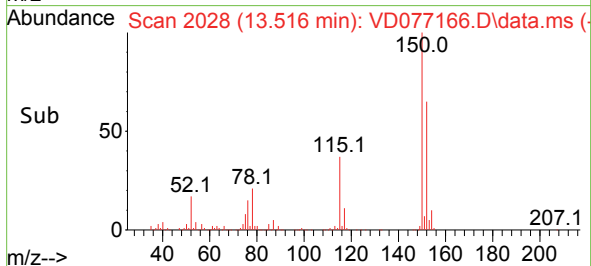
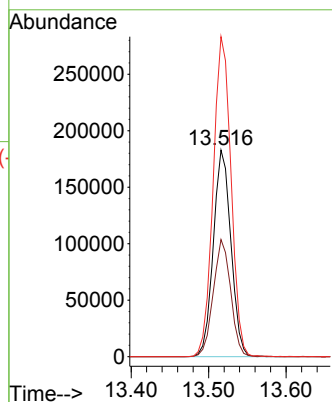
Tgt Ion:152 Resp: 288233

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 157.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.941 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077166.D

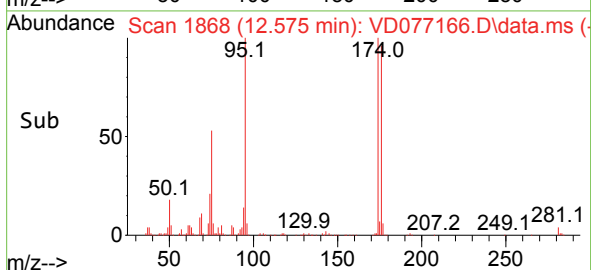
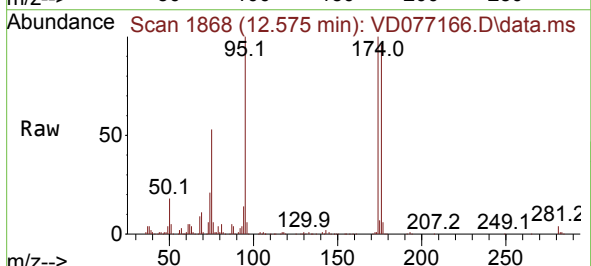
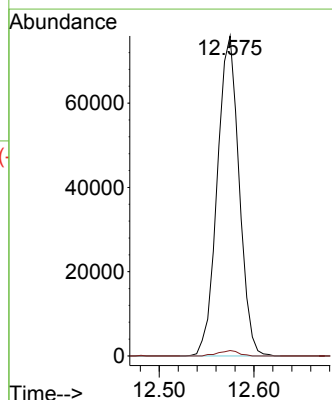
Acq: 20 Sep 2023 14:52

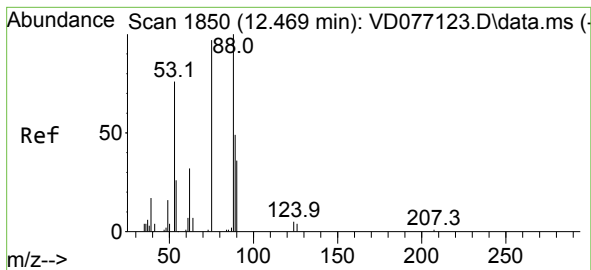
Tgt Ion: 75 Resp: 121720

Ion Ratio Lower Upper

75 100

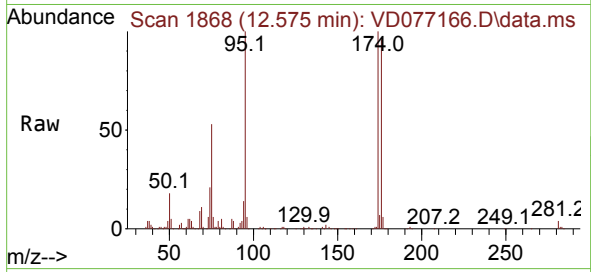
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.207 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077166.D
 Acq: 20 Sep 2023 14:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	121720
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

