

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077398.D
 Acq On : 24 Oct 2023 16:48
 Operator : JC/SY
 Sample : 05011-05
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:06:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

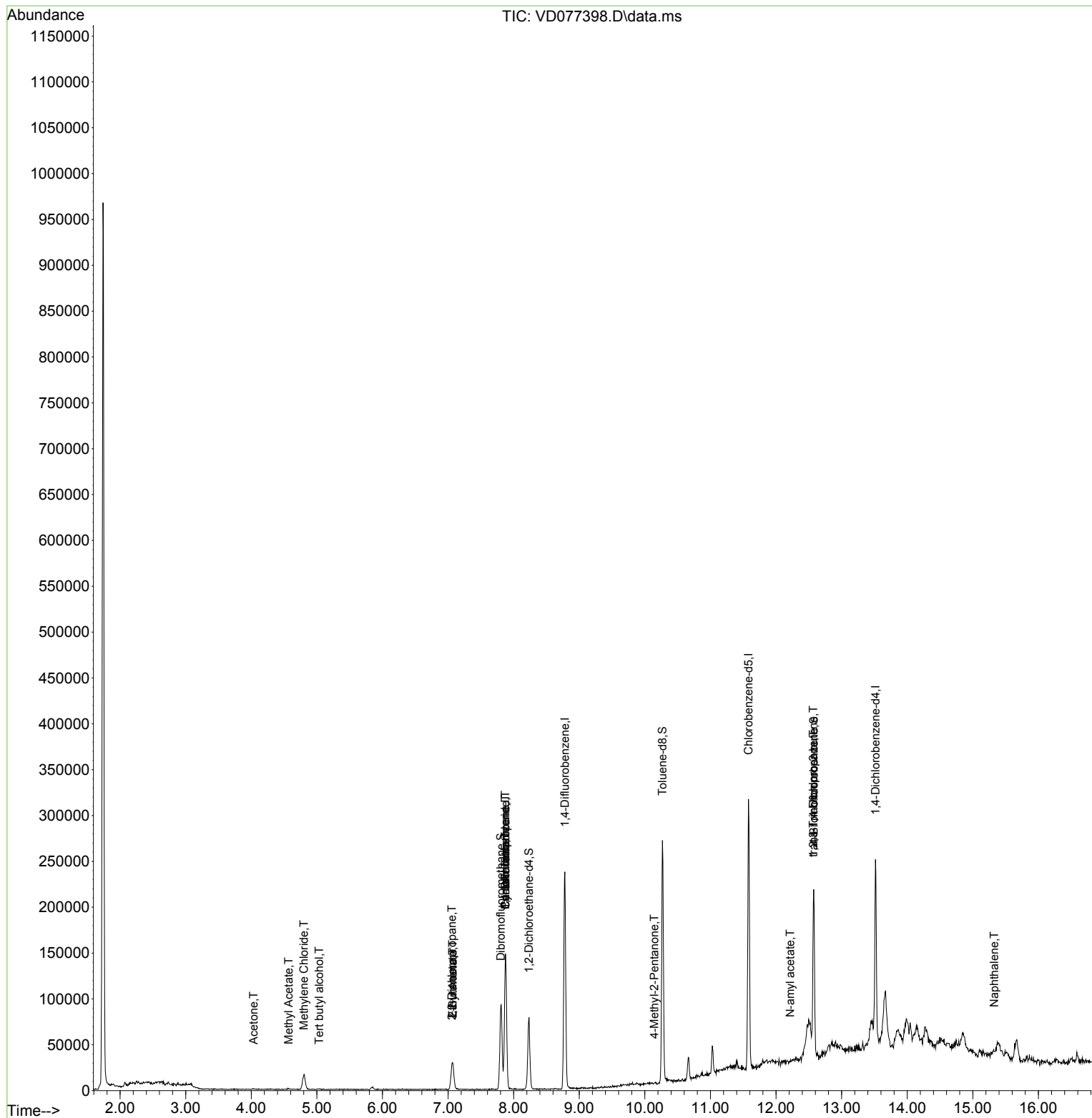
Internal Standards						
1) Pentafluorobenzene	7.875	168	118076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	224613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	188645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	54462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58160	55.162	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.320%
35) Dibromofluoromethane	7.804	113	70422	44.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.260%
50) Toluene-d8	10.269	98	194380	34.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	68.800%
62) 4-Bromofluorobenzene	12.575	95	51325	31.550	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	285	4.805	ug/l #	73
16) Acetone	4.034	43	896	3.875	ug/l #	32
18) Methyl Acetate	4.569	43	1304	1.621	ug/l #	73
20) Methylene Chloride	4.805	84	13976	5.767	ug/l	97
25) 2-Butanone	7.069	43	1631	6.800	ug/l #	37
26) 2,2-Dichloropropane	7.057	77	2490	1.297	ug/l #	49
31) Cyclohexane	7.875	56	2676	1.631	ug/l #	34
36) 1,1-Dichloropropene	7.875	75	8727	4.209	ug/l #	51
37) Ethyl Acetate	7.069	43	1631	2.504	ug/l #	53
38) Carbon Tetrachloride	7.875	117	11976	5.192	ug/l #	23
51) 4-Methyl-2-Pentanone	10.146	43	881	1.499	ug/l #	28
74) N-amyl acetate	12.216	43	1327	2.561	ug/l #	51
76) 1,2,3-Trichloropropane	12.569	75	23432	32.695	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	23432	115.286	ug/l #	18
95) Naphthalene	15.328	128	1785	1.009	ug/l #	52

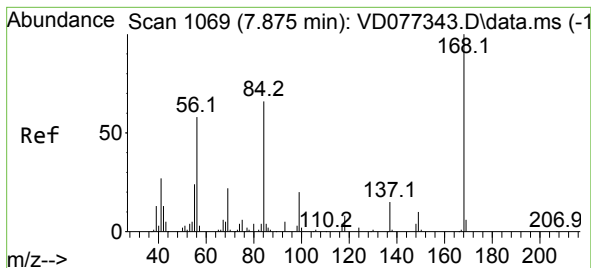
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

Instrument :

MSVOA_D

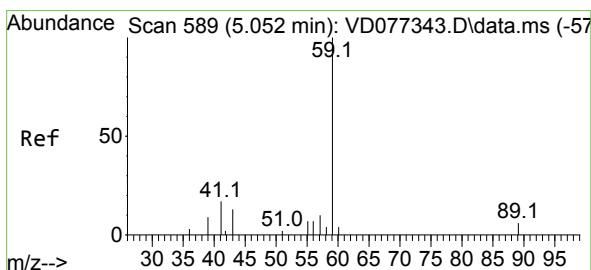
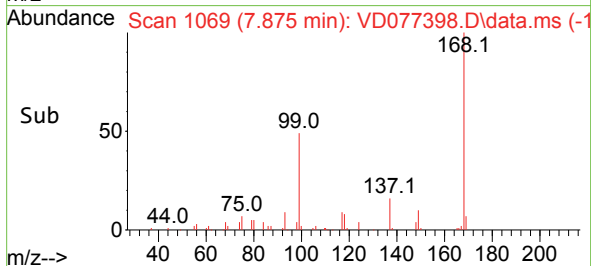
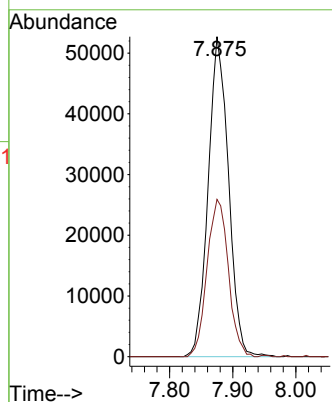
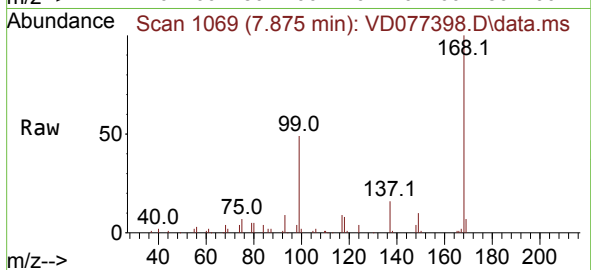
ClientSampleId :

Tgt Ion:168 Resp: 118076

Ion Ratio Lower Upper

168 100

99 49.2 36.7 55.1



#11

Tert butyl alcohol

Concen: 4.805 ug/l

RT: 5.034 min Scan# 586

Delta R.T. -0.018 min

Lab File: VD077398.D

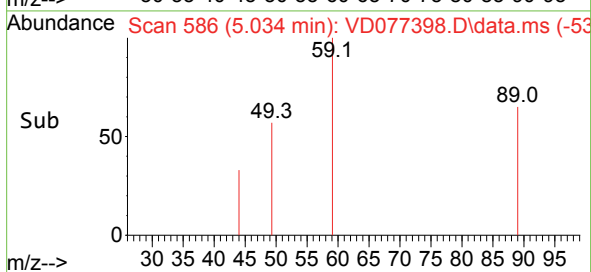
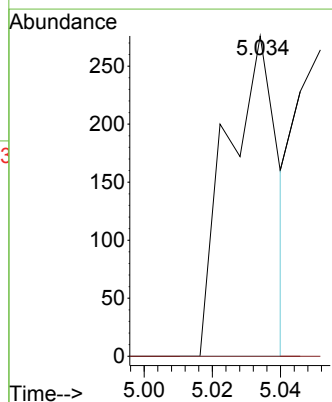
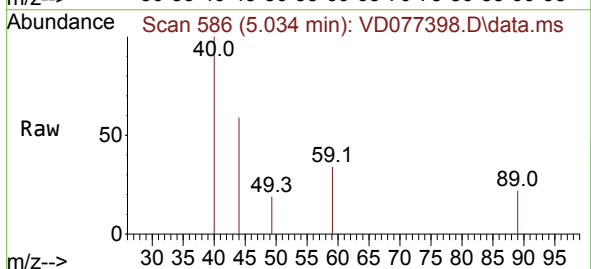
Acq: 24 Oct 2023 16:48

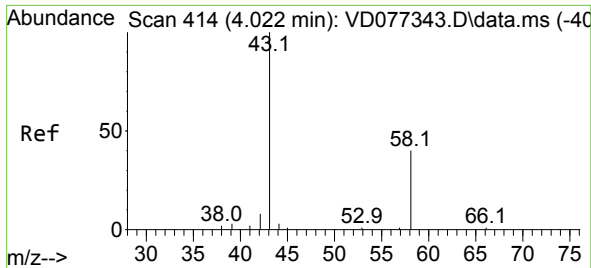
Tgt Ion: 59 Resp: 285

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

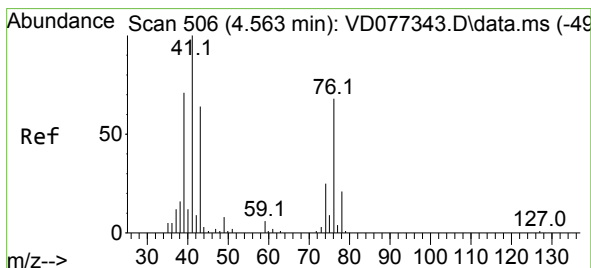
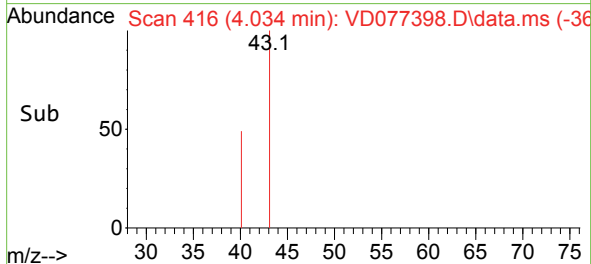
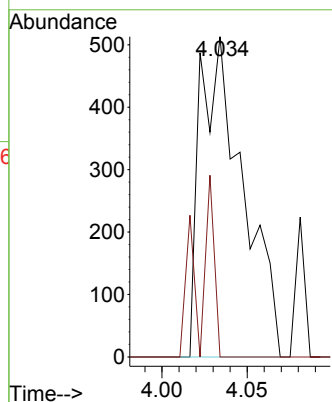
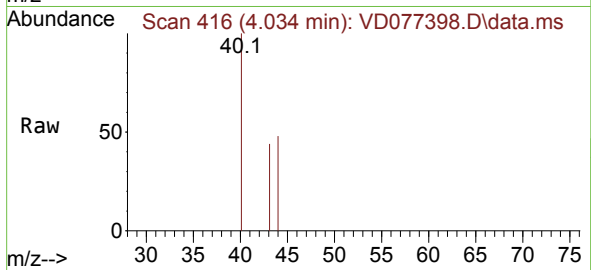




#16
Acetone
Concen: 3.875 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

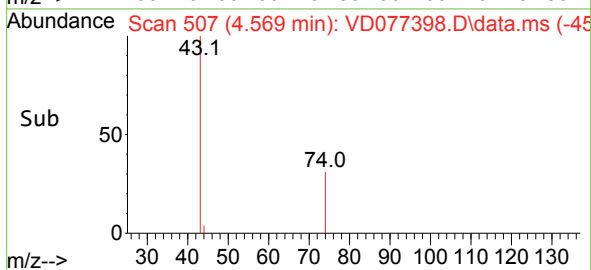
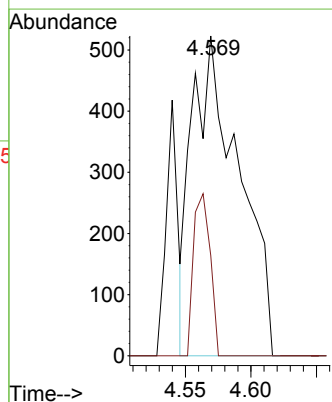
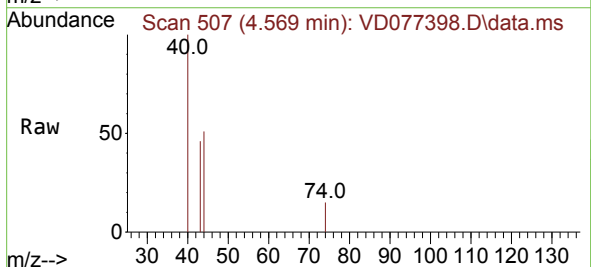
Instrument :
MSVOA_D
ClientSampleId :

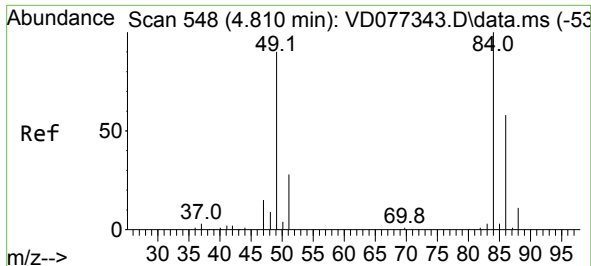
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 1.621 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

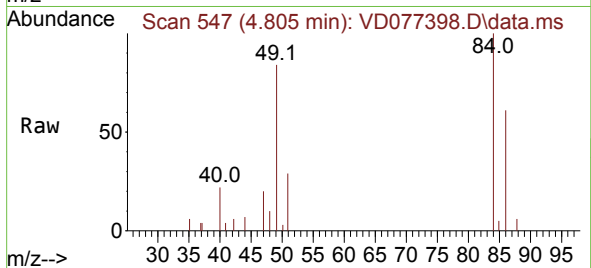
Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
74 17.9 26.4 39.6#



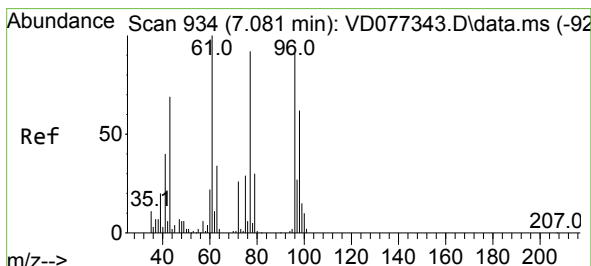
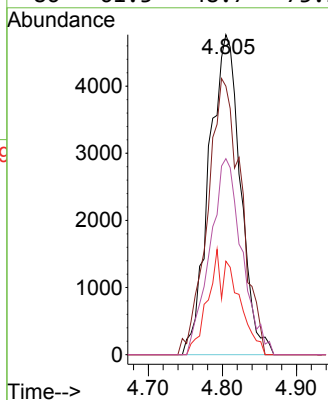
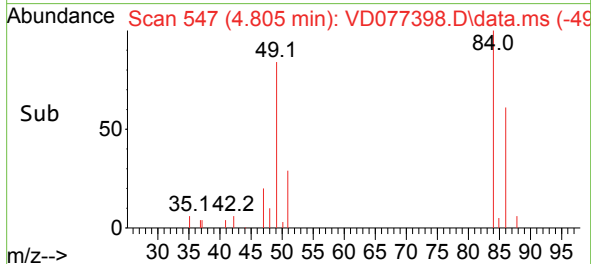


#20
Methylene Chloride
Concen: 5.767 ug/l
RT: 4.805 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Instrument :
MSVOA_D
ClientSampleId :

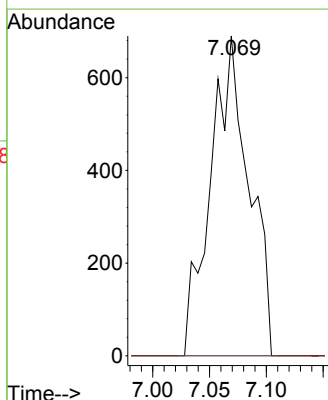
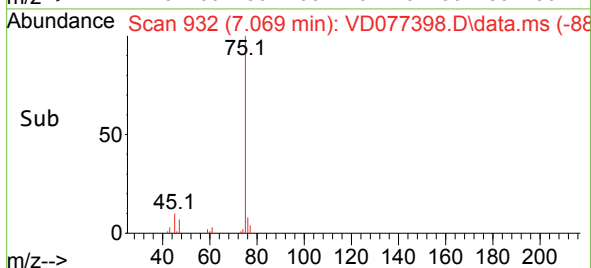
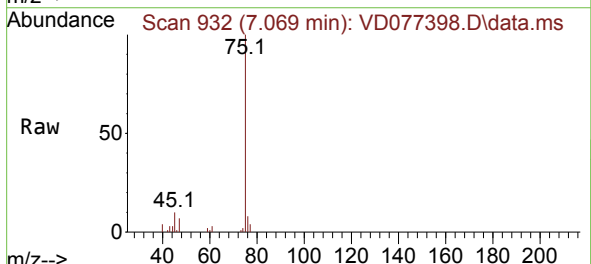


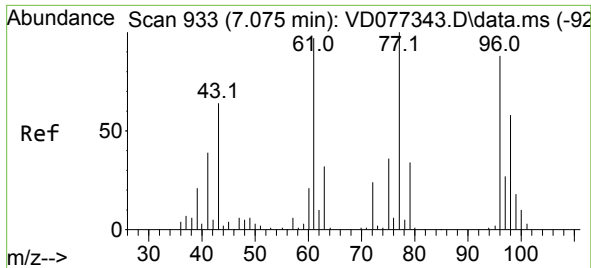
Tgt Ion:	84	Resp:	13976
Ion	Ratio	Lower	Upper
84	100		
49	83.9	71.4	107.2
51	29.2	24.5	36.7
86	61.3	48.7	73.1



#25
2-Butanone
Concen: 6.800 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Tgt Ion:	43	Resp:	1631
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

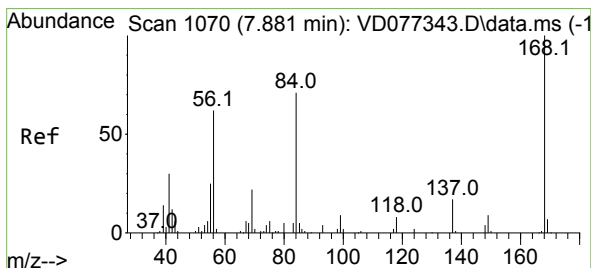
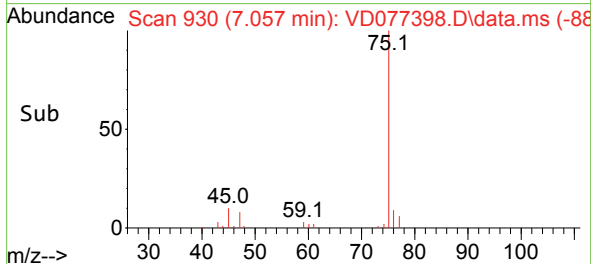
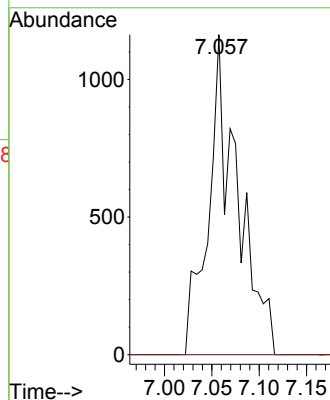
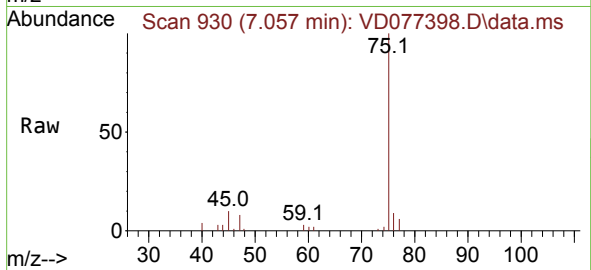




#26
2,2-Dichloropropane
Concen: 1.297 ug/l
RT: 7.057 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

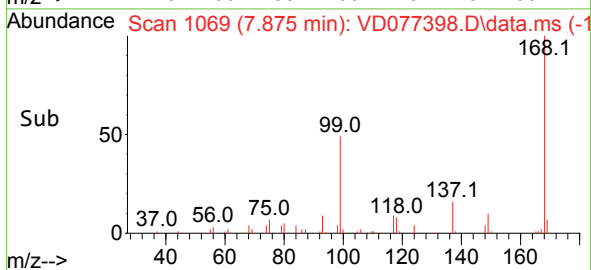
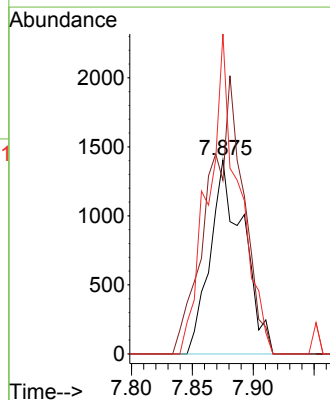
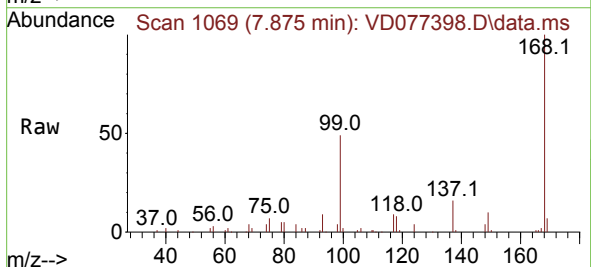
Instrument :
MSVOA_D
ClientSampleId :

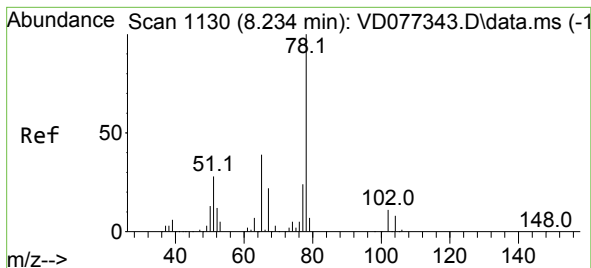
Tgt Ion: 77 Resp: 2490
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#31
Cyclohexane
Concen: 1.631 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Tgt Ion: 56 Resp: 2676
Ion Ratio Lower Upper
56 100
69 89.5 28.6 43.0#
84 165.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 55.162 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

Instrument :

MSVOA_D

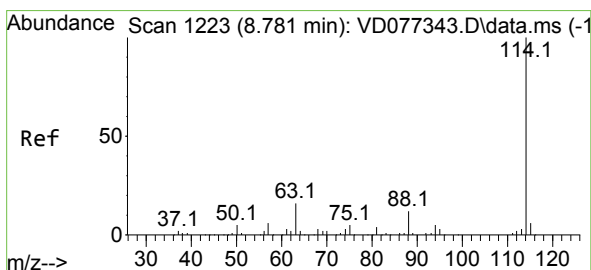
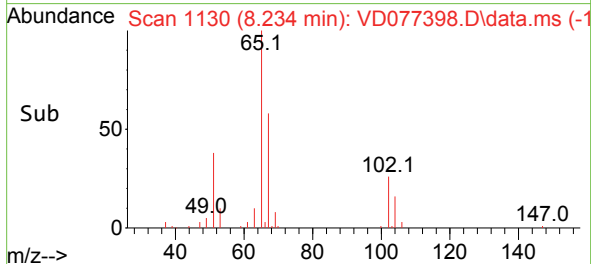
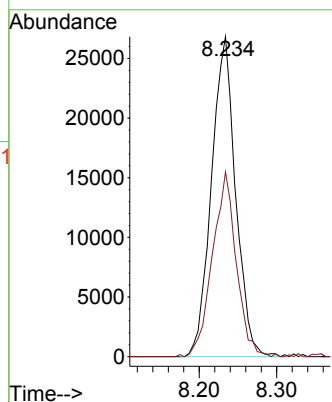
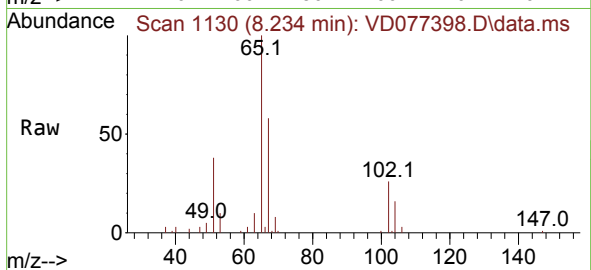
ClientSampleId :

Tgt Ion: 65 Resp: 58160

Ion Ratio Lower Upper

65 100

67 56.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

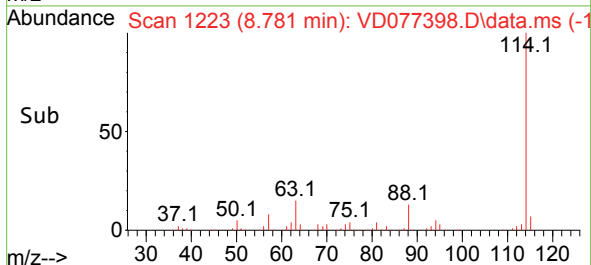
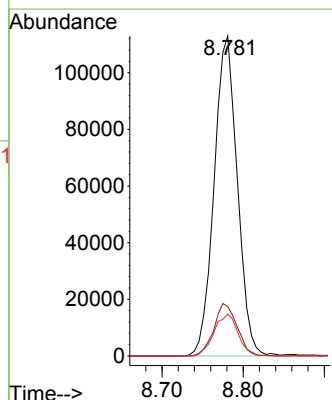
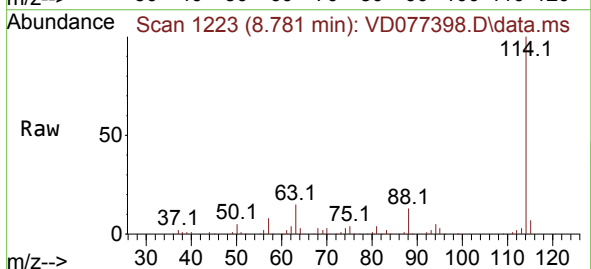
Tgt Ion: 114 Resp: 224613

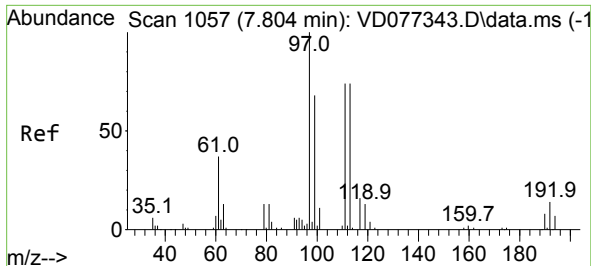
Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.4

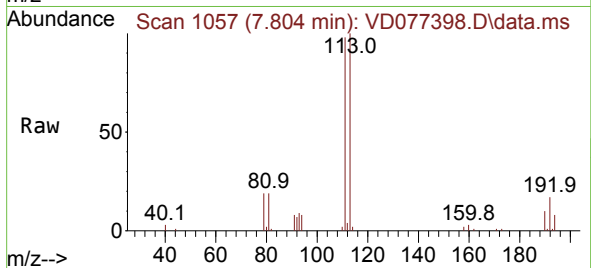
88 13.1 0.0 26.2



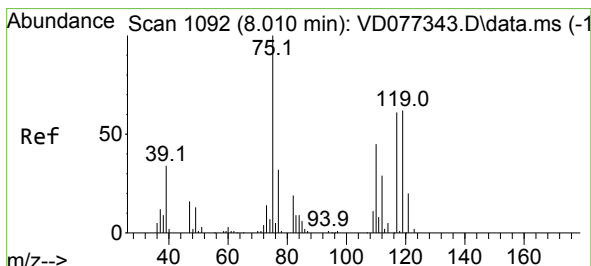
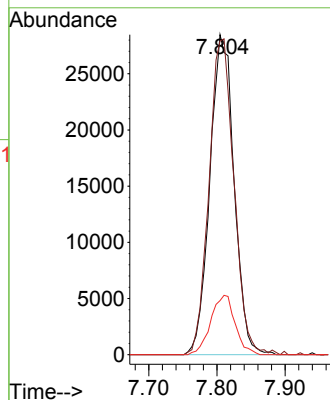
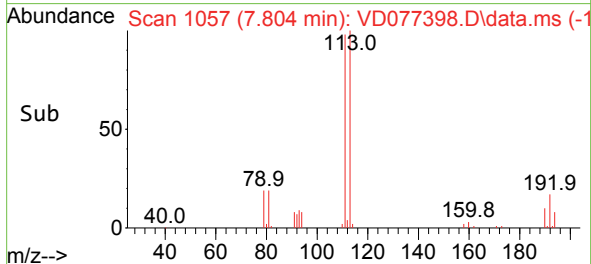


#35
Dibromofluoromethane
Concen: 44.627 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Instrument :
MSVOA_D
ClientSampleId :

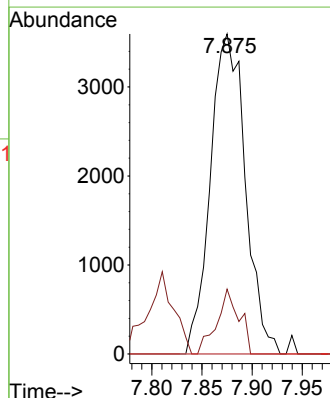
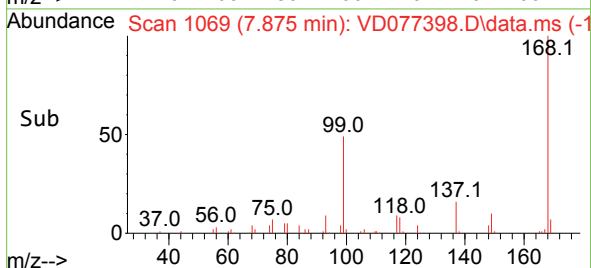
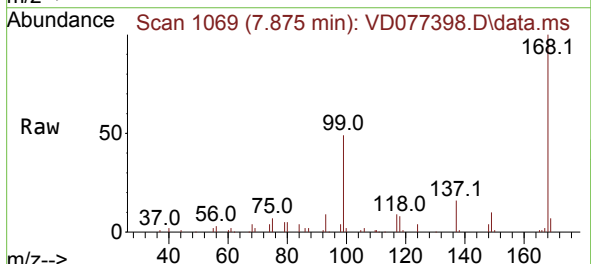


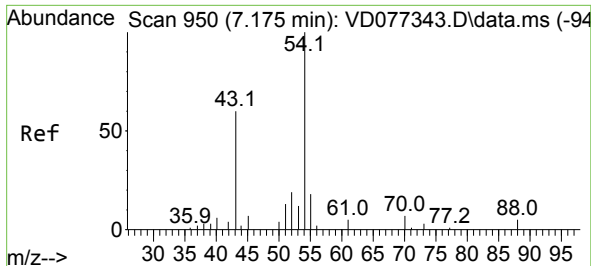
Tgt Ion:113 Resp: 70422
Ion Ratio Lower Upper
113 100
111 101.5 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Tgt Ion: 75 Resp: 8727
Ion Ratio Lower Upper
75 100
110 13.0 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.504 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.106 min

Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

Instrument :

MSVOA_D

ClientSampleId :

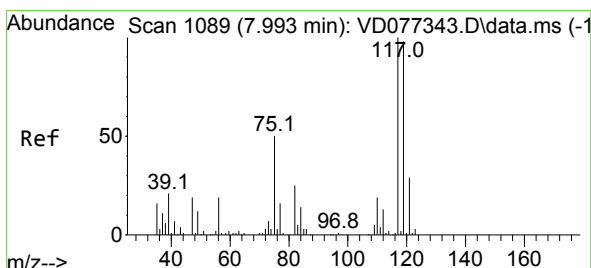
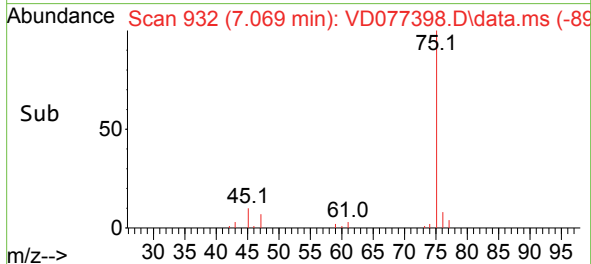
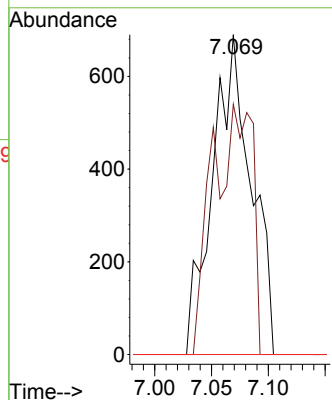
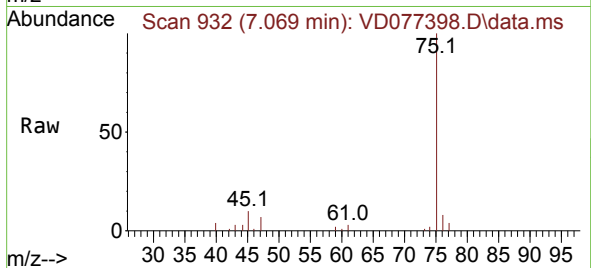
Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

43 100

61 43.9 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.192 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

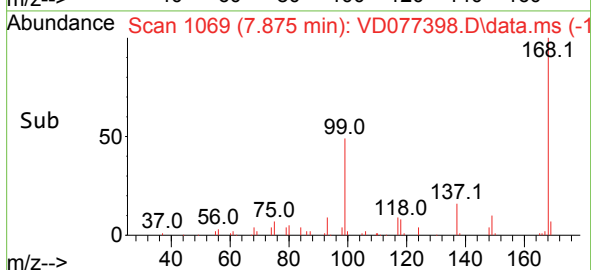
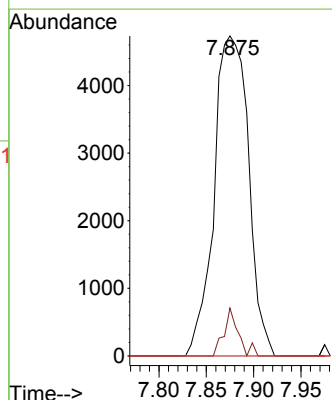
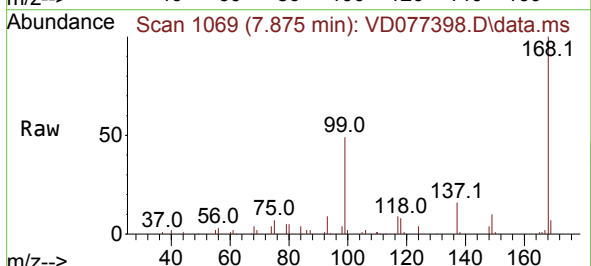
Tgt Ion: 117 Resp: 11976

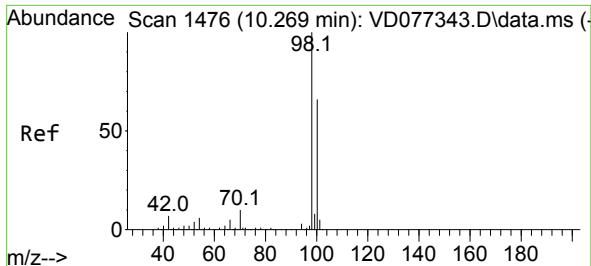
Ion Ratio Lower Upper

117 100

119 15.0 78.0 117.0#

121 0.0 24.2 36.2#

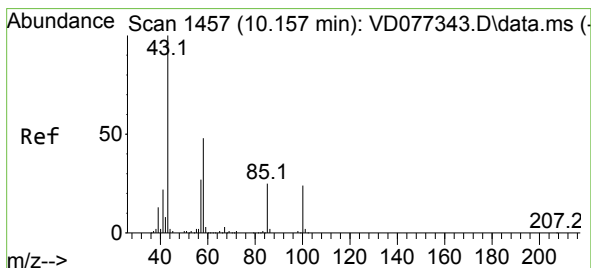
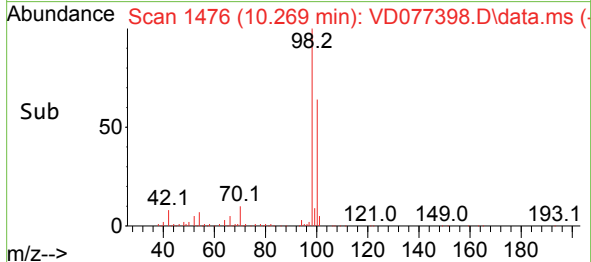
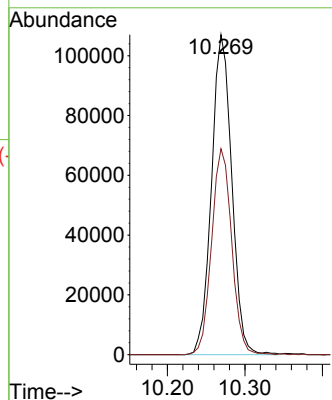
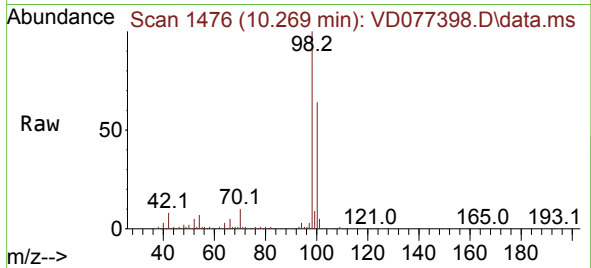




#50
Toluene-d8
Concen: 34.395 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

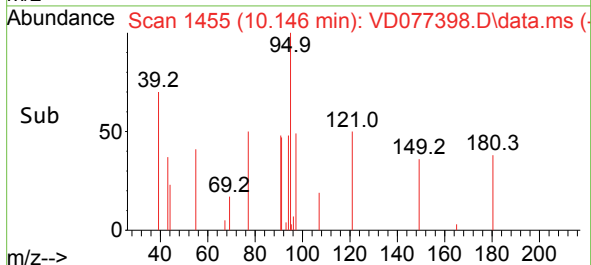
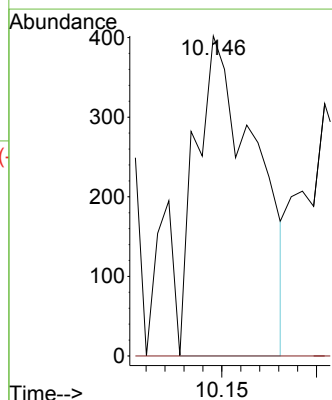
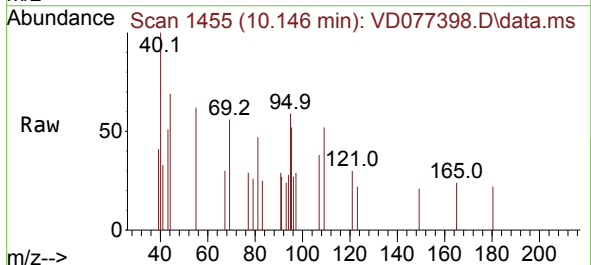
Instrument :
MSVOA_D
ClientSampleId :

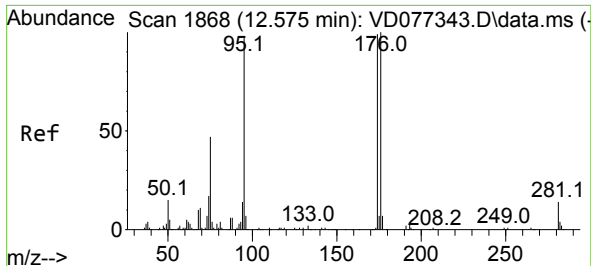
Tgt Ion: 98 Resp: 194380
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.499 ug/l
RT: 10.146 min Scan# 1455
Delta R.T. -0.011 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#

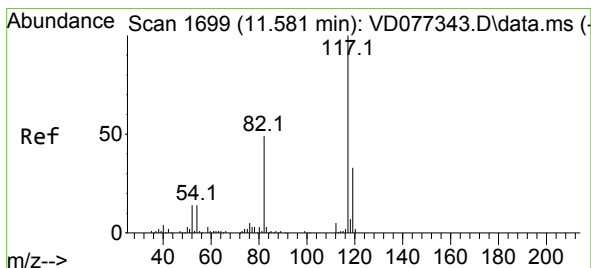
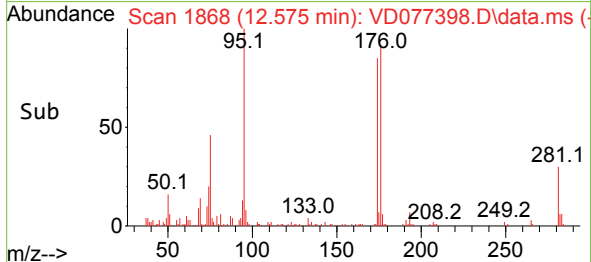
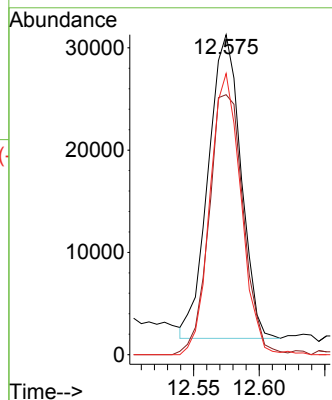
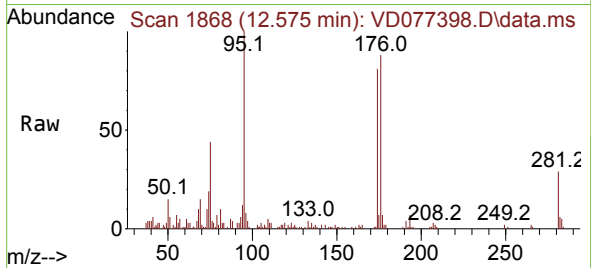




#62
4-Bromofluorobenzene
Concen: 31.550 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

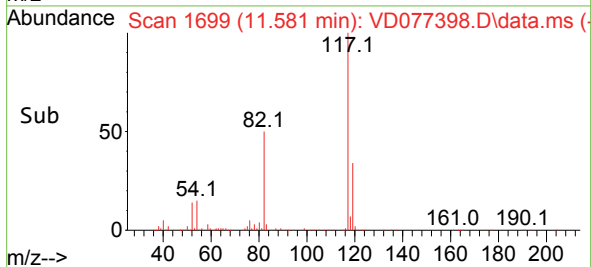
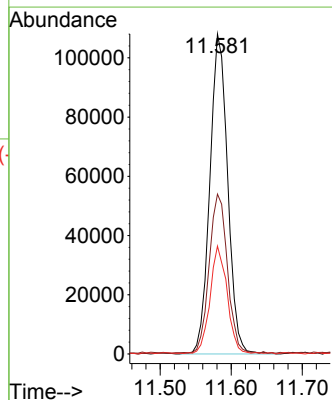
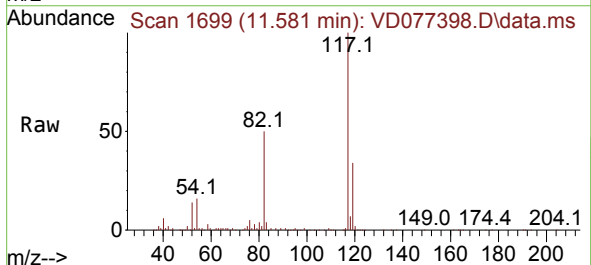
Instrument :
MSVOA_D
ClientSampleId :

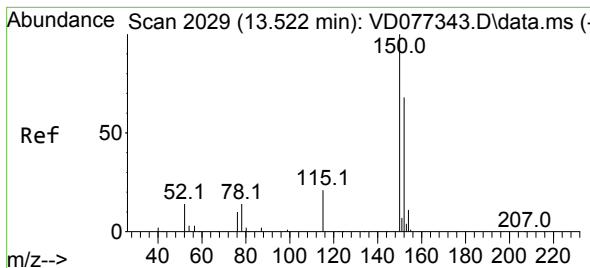
Tgt Ion:	95	Resp:	51325
Ion Ratio	Lower	Upper	
95	100		
174	90.3	0.0	201.8
176	88.1	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Tgt Ion:	117	Resp:	188645
Ion Ratio	Lower	Upper	
117	100		
82	49.6	38.3	57.5
119	33.5	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

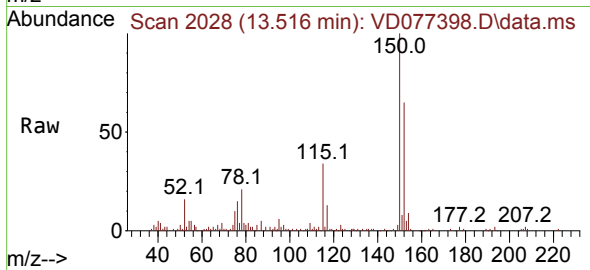
Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

Instrument :

MSVOA_D

ClientSampleId :



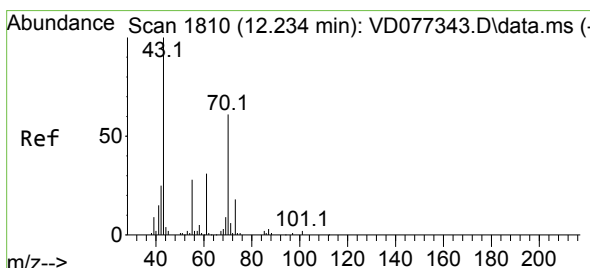
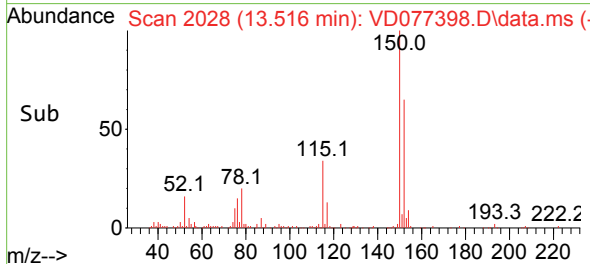
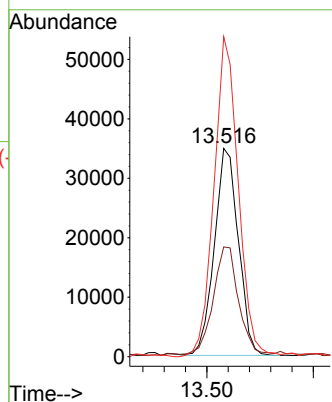
Tgt Ion:152 Resp: 54462

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 157.3 0.0 353.6



#74

N-ethyl acetate

Concen: 2.561 ug/l

RT: 12.216 min Scan# 1807

Delta R.T. -0.018 min

Lab File: VD077398.D

Acq: 24 Oct 2023 16:48

Tgt Ion: 43 Resp: 1327

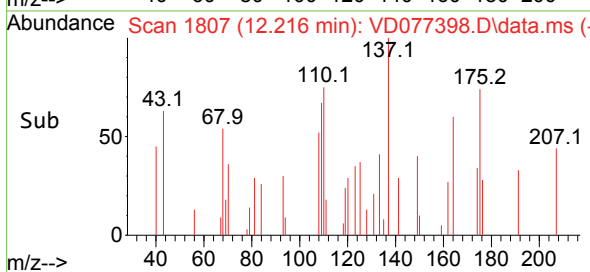
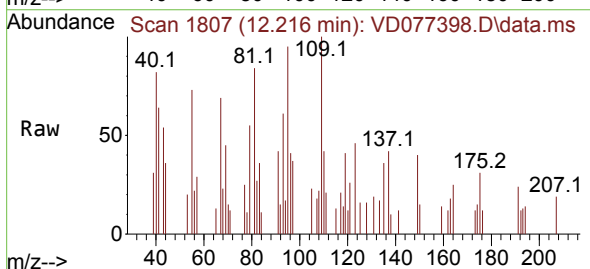
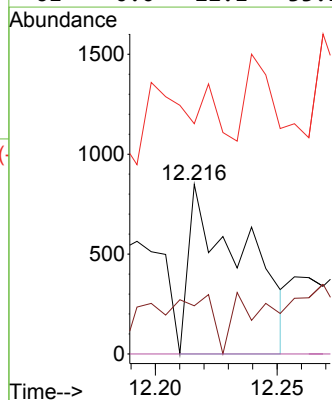
Ion Ratio Lower Upper

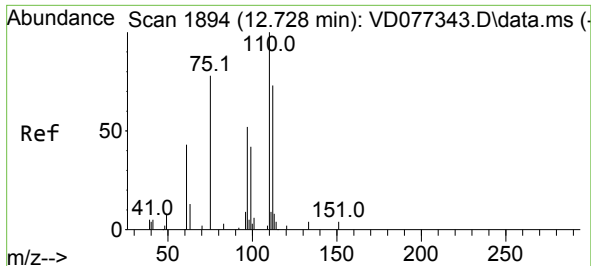
43 100

70 18.2 45.0 67.4#

55 51.5 23.8 35.6#

61 0.0 22.1 33.1#

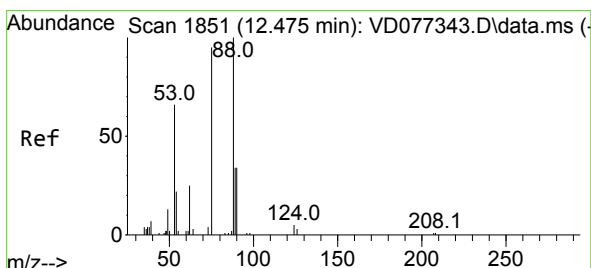
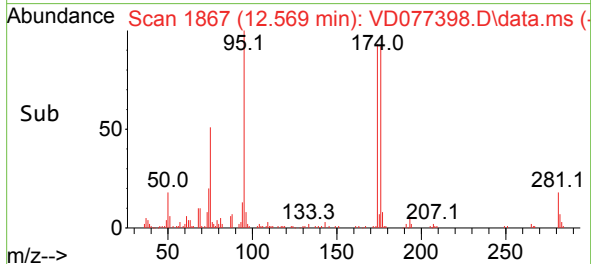
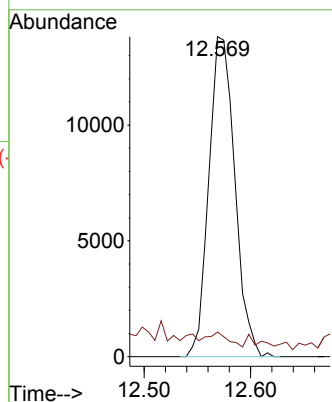
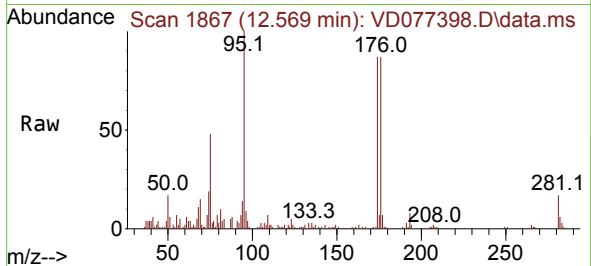




#76
1,2,3-Trichloropropane
Concen: 32.695 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

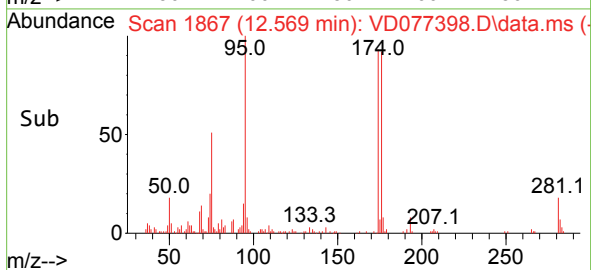
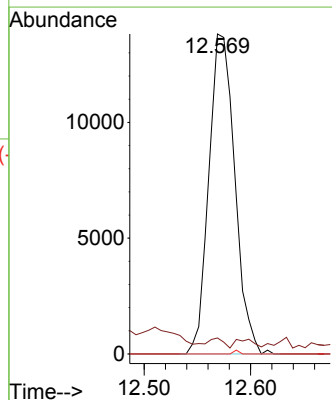
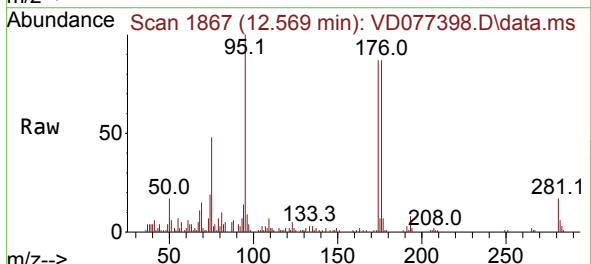
Instrument :
MSVOA_D
ClientSampleId :

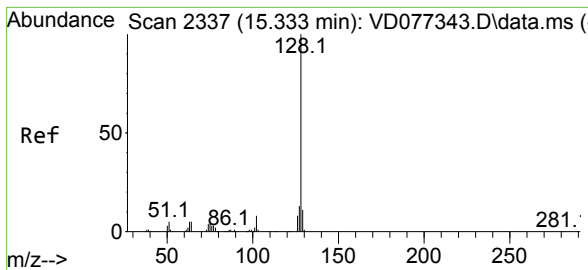
Tgt Ion: 75 Resp: 23432
Ion Ratio Lower Upper
75 100
77 2.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.286 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

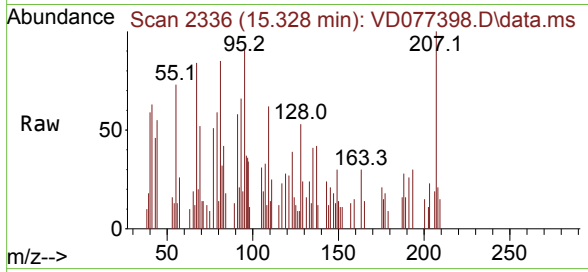
Tgt Ion: 75 Resp: 23432
Ion Ratio Lower Upper
75 100
53 1.6 63.0 94.4#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.009 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD077398.D
Acq: 24 Oct 2023 16:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	1785
Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.5	15.7#
129	45.4	8.7	13.1#

