

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077940.D
 Acq On : 16 Dec 2023 18:07
 Operator : RP/MD
 Sample : 05831-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 02:01:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

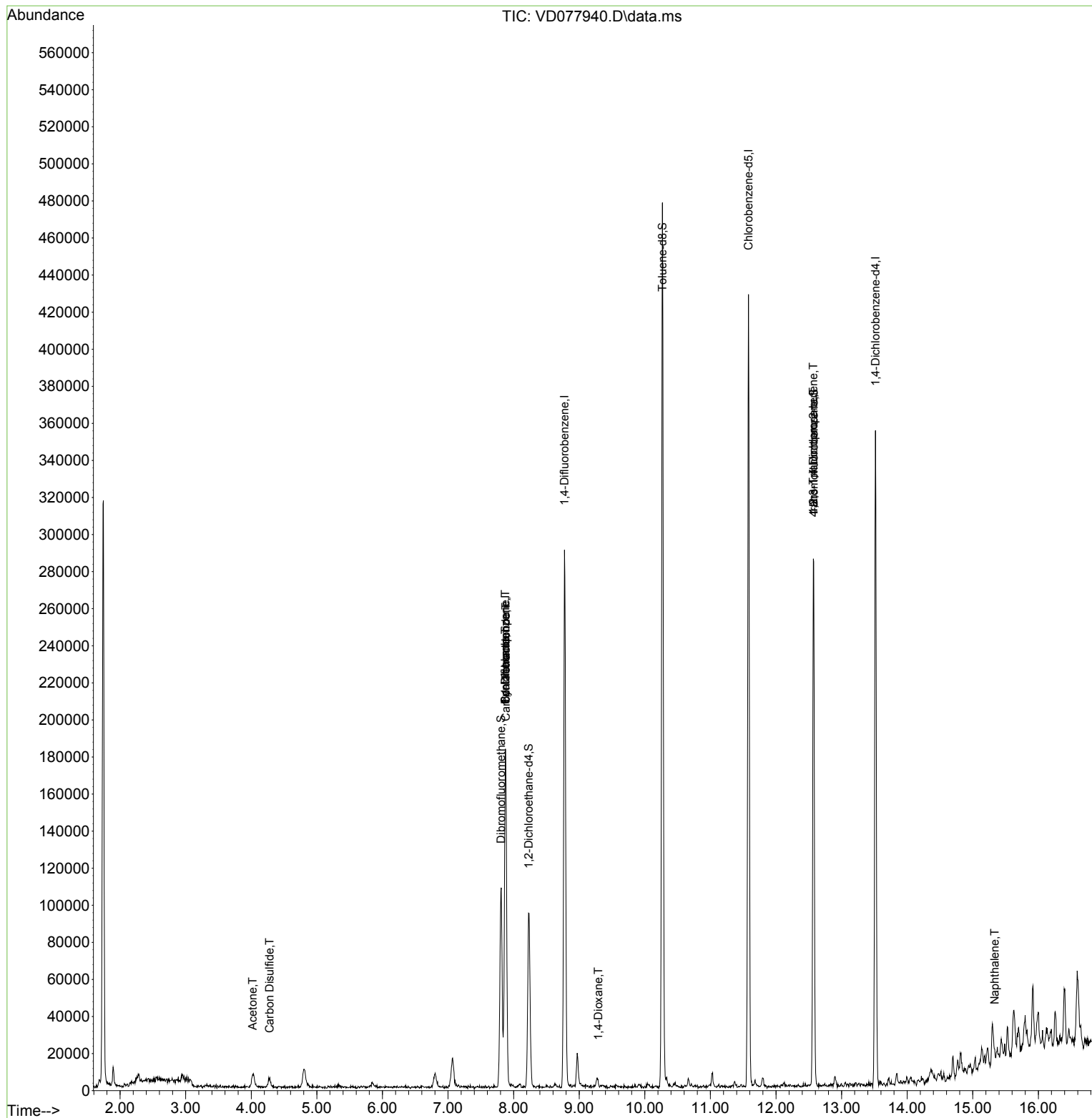
Internal Standards						
1) Pentafluorobenzene	7.875	168	139947	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	256907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	241005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71971	43.643	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.280%
35) Dibromofluoromethane	7.810	113	78580	43.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.340%
50) Toluene-d8	10.269	98	329301	45.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.380%
62) 4-Bromofluorobenzene	12.575	95	88814	41.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	61	Below Cal	#	73
16) Acetone	4.022	43	13274	6.514	ug/l	95
17) Carbon Disulfide	4.281	76	8844	1.554	ug/l	100
20) Methylene Chloride	4.811	84	8138	Below Cal	#	88
25) 2-Butanone	7.069	43	1507	Below Cal	#	37
31) Cyclohexane	7.875	56	4238	1.445	ug/l	# 34
36) 1,1-Dichloropropene	7.875	75	12093	4.201	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	14374	5.009	ug/l	# 17
49) 1,4-Dioxane	9.293	88	58	5.558	ug/l	# 1
65) Chlorobenzene	11.563	112	72	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.569	75	48940	61.269	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	48940	124.135	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	280	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.487	75	67	Below Cal	#	1
95) Naphthalene	15.334	128	5109	1.579	ug/l	# 93

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

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QLast Update : Thu Dec 14 14:48:10 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077940.D

Acq: 16 Dec 2023 18:07

Instrument :

MSVOA_D

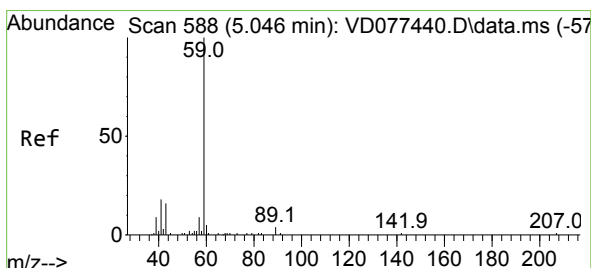
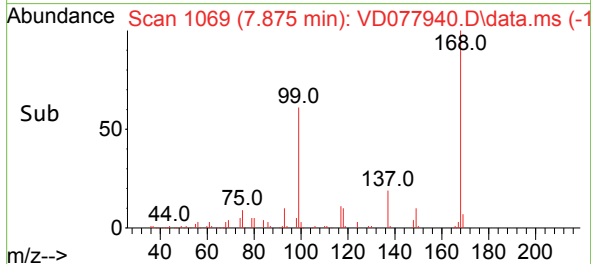
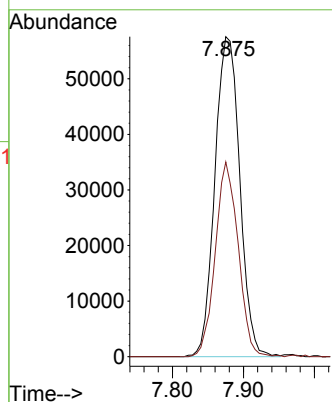
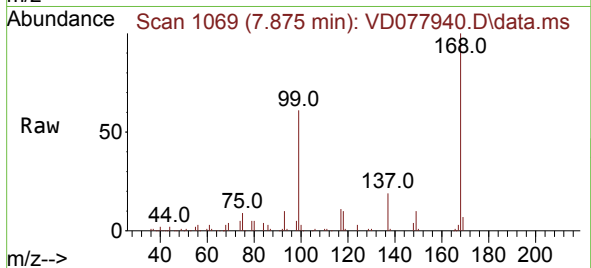
ClientSampleId :

Tgt Ion:168 Resp: 139947

Ion Ratio Lower Upper

168 100

99 60.8 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD077940.D

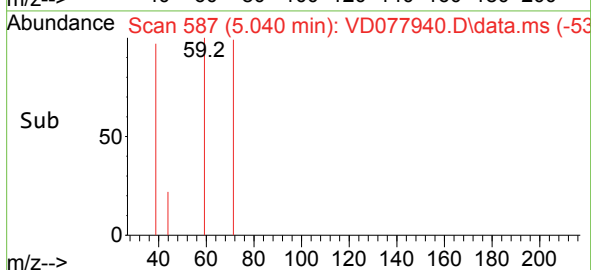
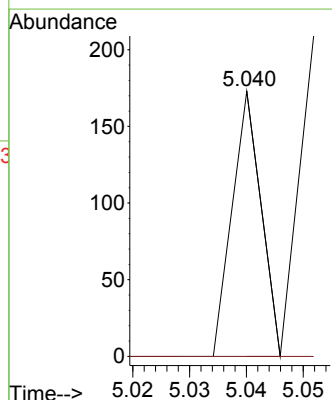
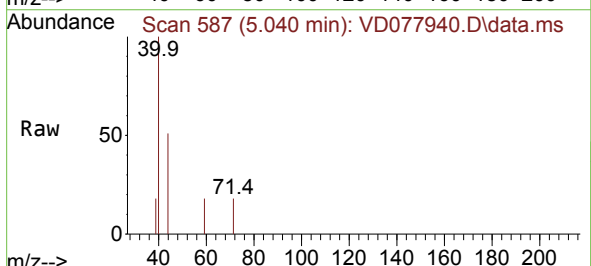
Acq: 16 Dec 2023 18:07

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

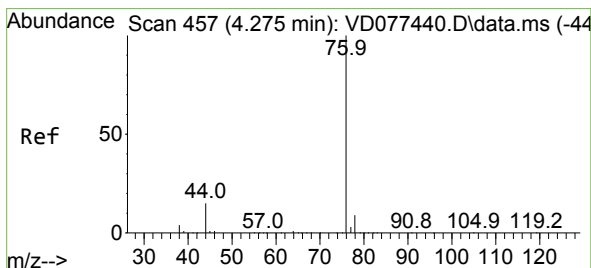
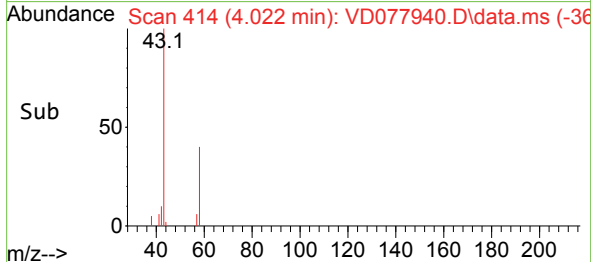
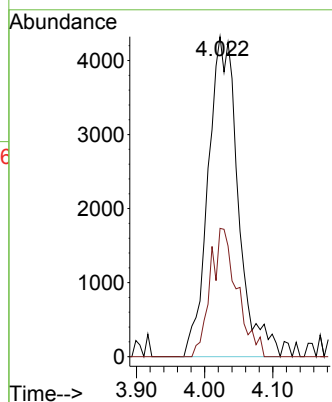
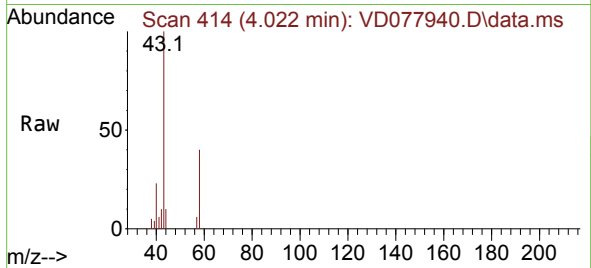




#16
Acetone
Concen: 6.514 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

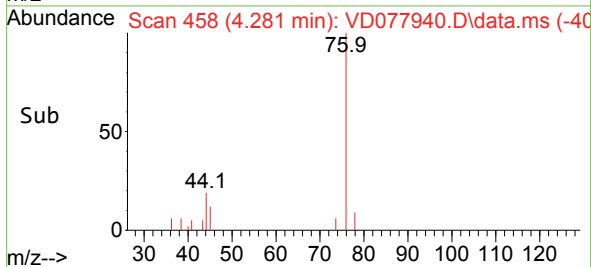
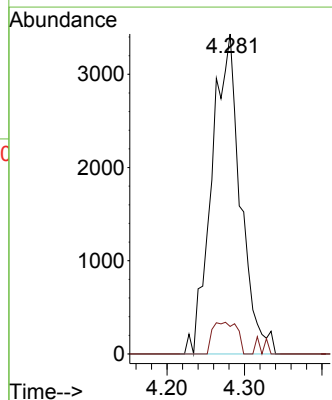
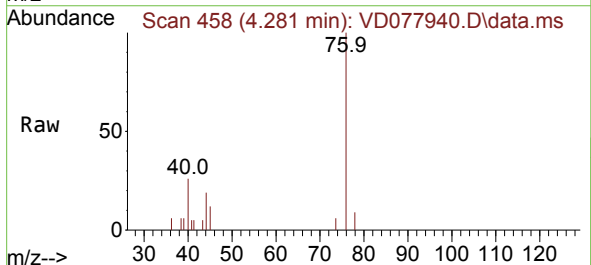
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 13274
Ion Ratio Lower Upper
43 100
58 40.1 34.7 52.1



#17
Carbon Disulfide
Concen: 1.554 ug/l
RT: 4.281 min Scan# 458
Delta R.T. 0.006 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

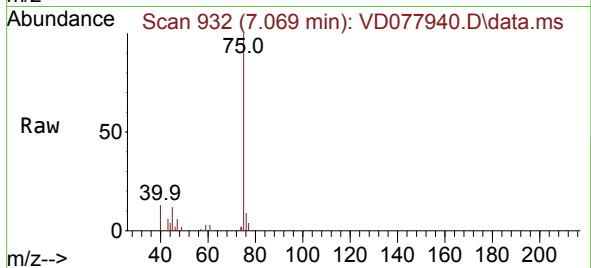
Tgt Ion: 76 Resp: 8844
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2



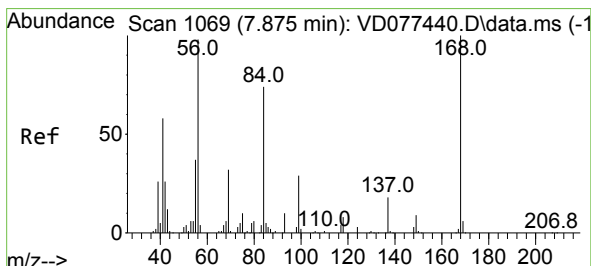
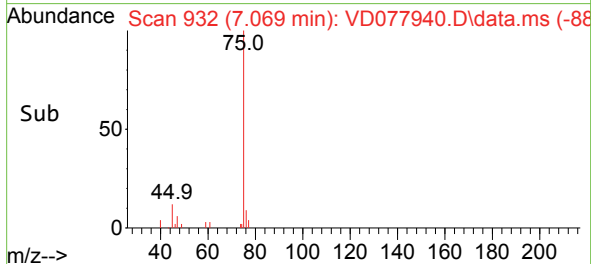
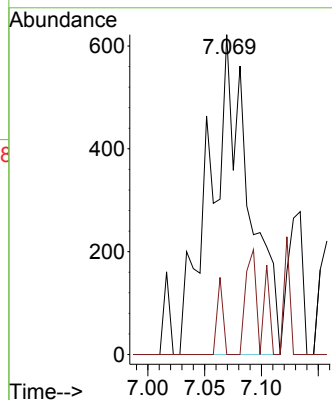


#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

Instrument :
MSVOA_D
ClientSampleId :

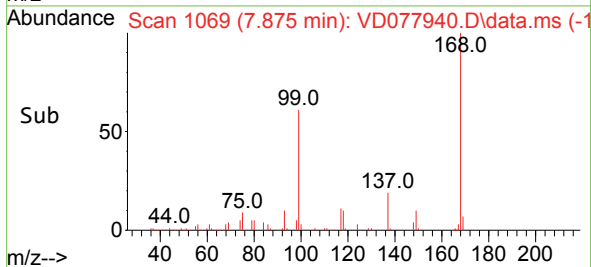
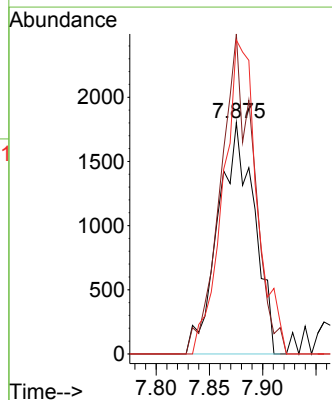
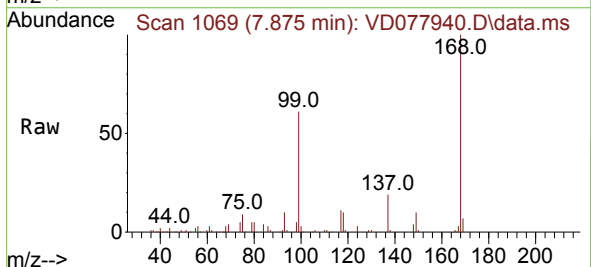


Tgt Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.445 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

Tgt Ion: 56 Resp: 4238
Ion Ratio Lower Upper
56 100
69 138.3 28.6 43.0#
84 135.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 43.643 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077940.D

Acq: 16 Dec 2023 18:07

Instrument :

MSVOA_D

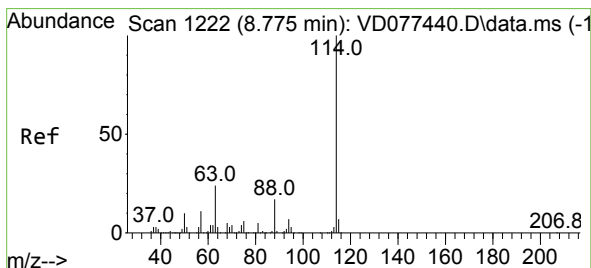
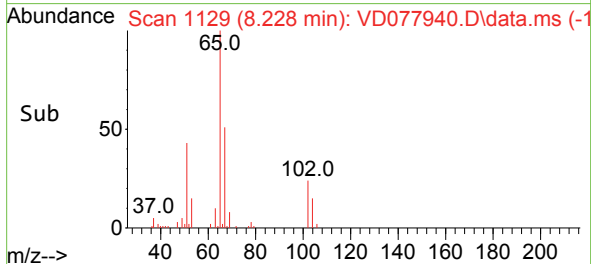
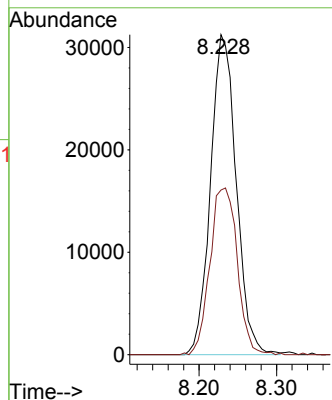
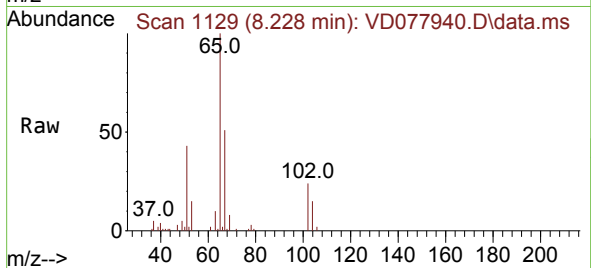
ClientSampleId :

Tgt Ion: 65 Resp: 71971

Ion Ratio Lower Upper

65 100

67 55.4 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: VD077940.D

Acq: 16 Dec 2023 18:07

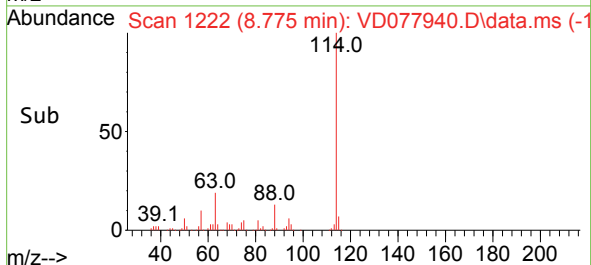
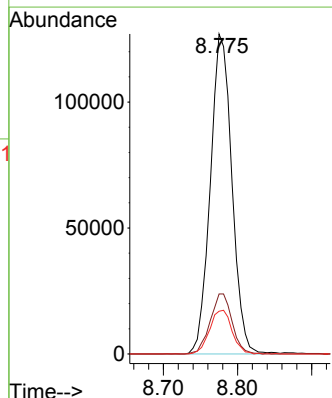
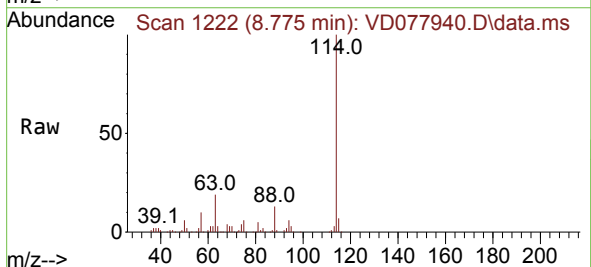
Tgt Ion: 114 Resp: 256907

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

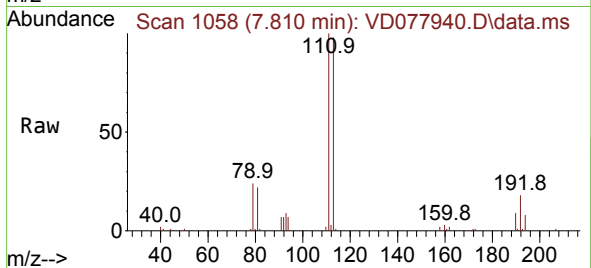
88 13.4 0.0 26.2



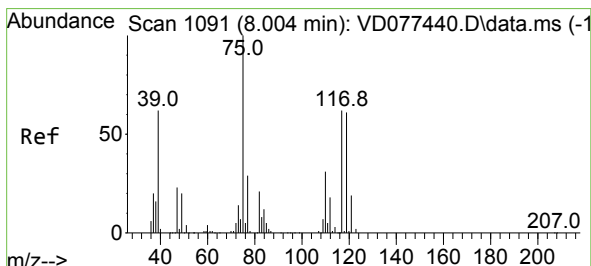
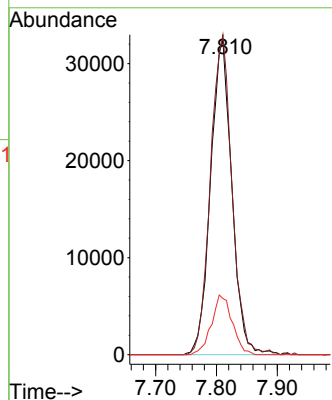
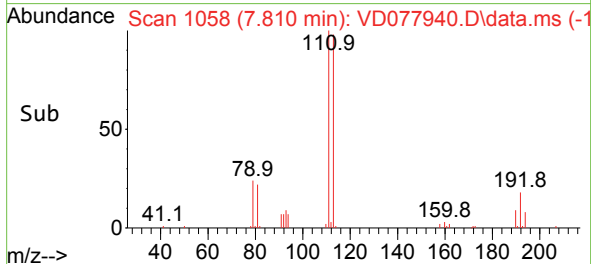


#35
Dibromofluoromethane
Concen: 43.667 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

Instrument :
MSVOA_D
ClientSampleId :

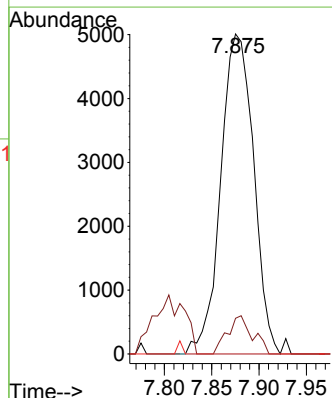
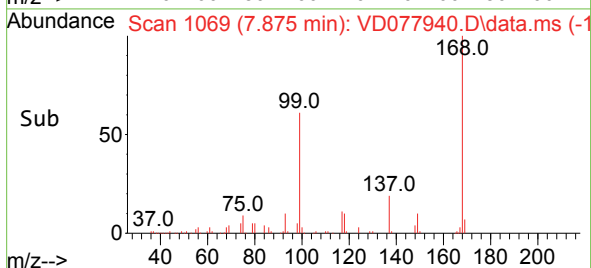
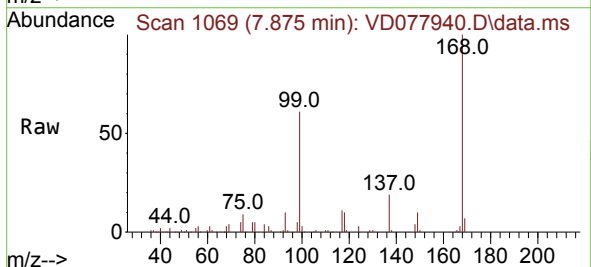


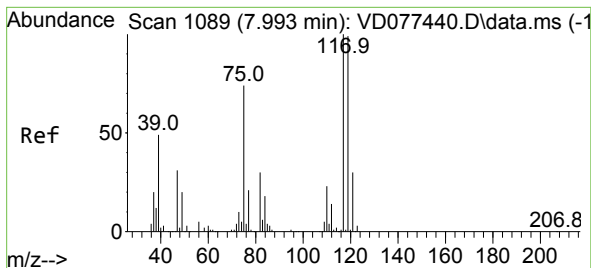
Tgt Ion:113 Resp: 78580
Ion Ratio Lower Upper
113 100
111 103.0 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.201 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

Tgt Ion: 75 Resp: 12093
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.009 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.112 min

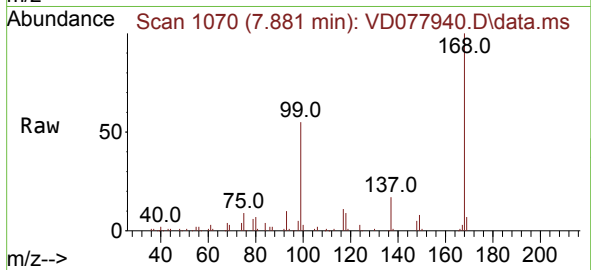
Lab File: VD077940.D

Acq: 16 Dec 2023 18:07

Instrument :

MSVOA_D

ClientSampleId :



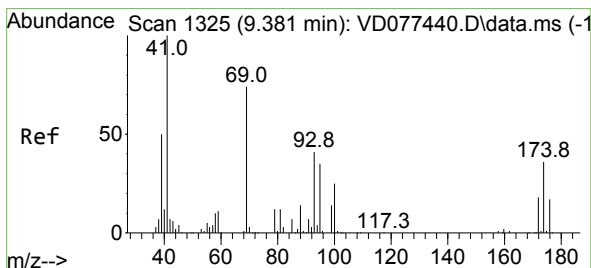
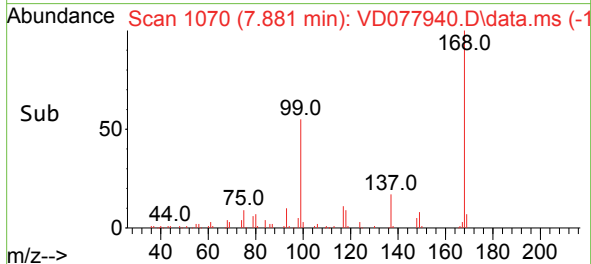
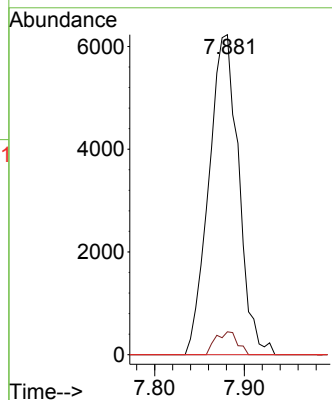
Tgt Ion:117 Resp: 14374

Ion Ratio Lower Upper

117 100

119 7.1 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 5.558 ug/l

RT: 9.293 min Scan# 1310

Delta R.T. -0.088 min

Lab File: VD077940.D

Acq: 16 Dec 2023 18:07

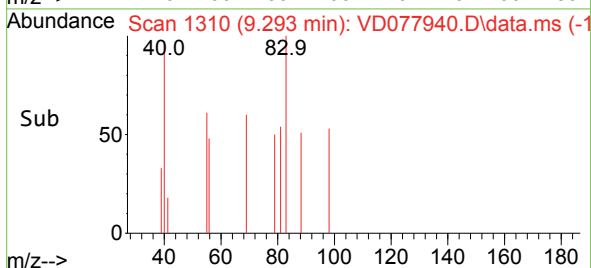
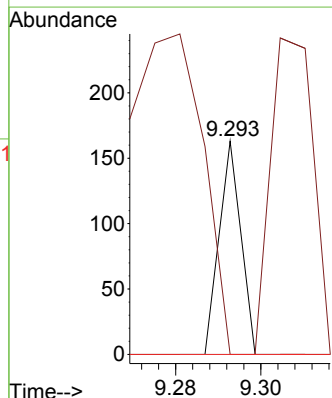
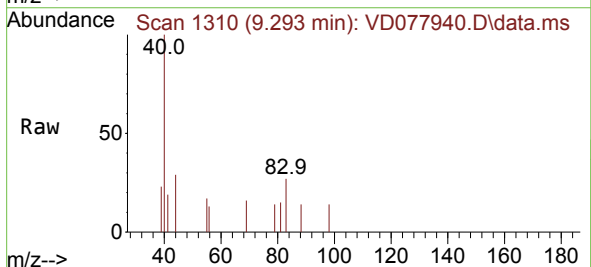
Tgt Ion: 88 Resp: 58

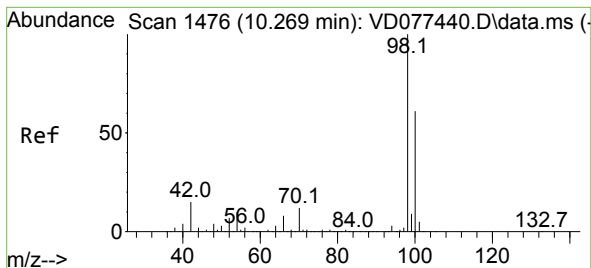
Ion Ratio Lower Upper

88 100

43 289.7 19.0 28.6#

58 0.0 43.5 65.3#

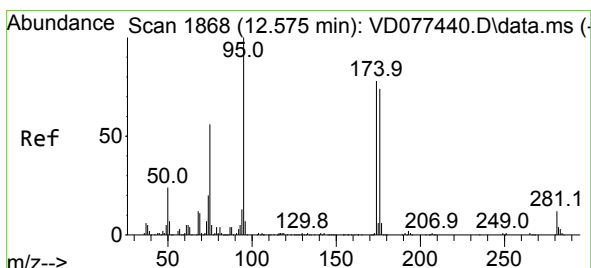
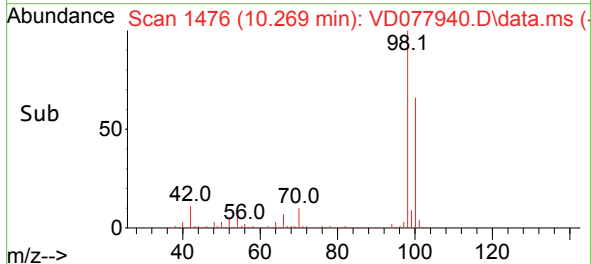
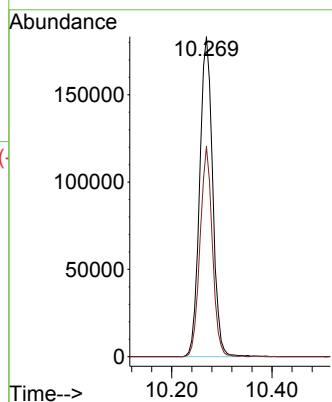
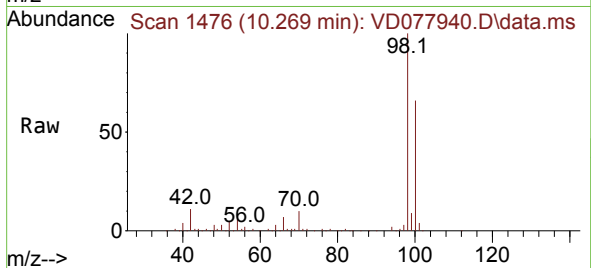




#50
Toluene-d8
Concen: 45.689 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

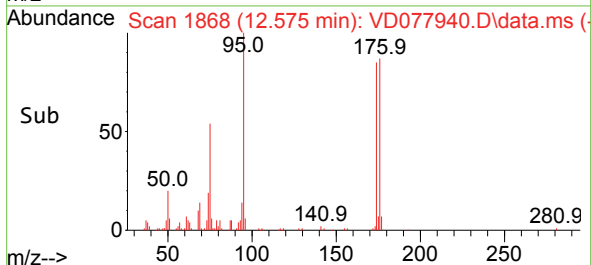
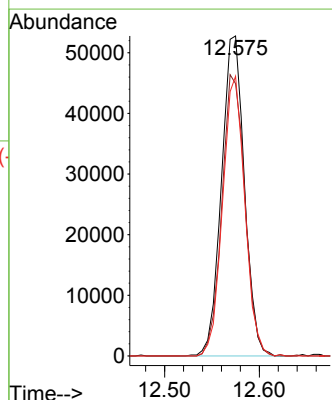
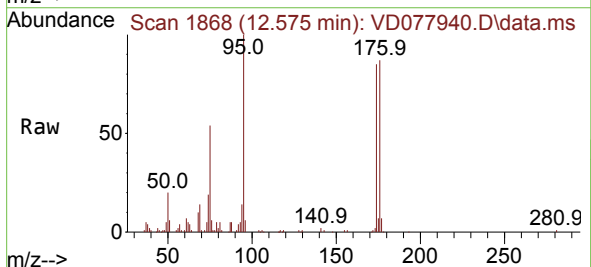
Instrument :
MSVOA_D
ClientSampleId :

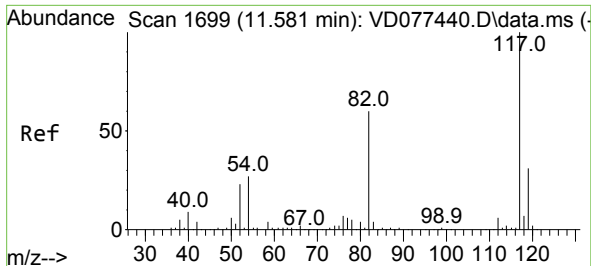
Tgt Ion: 98 Resp: 329301
Ion Ratio Lower Upper
98 100
100 62.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.216 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

Tgt Ion: 95 Resp: 88814
Ion Ratio Lower Upper
95 100
174 88.2 0.0 201.8
176 84.6 0.0 191.8

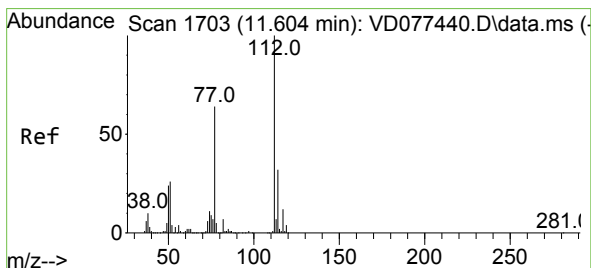
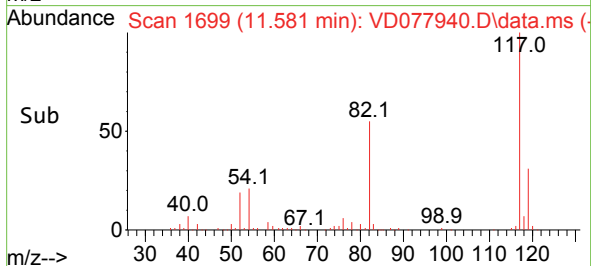
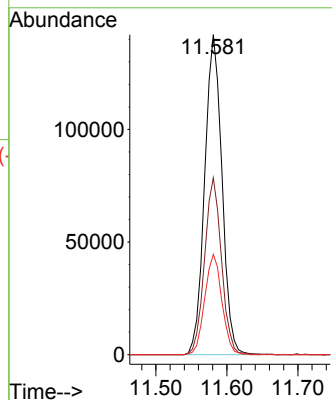
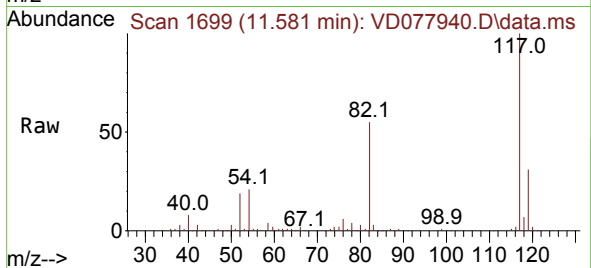




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

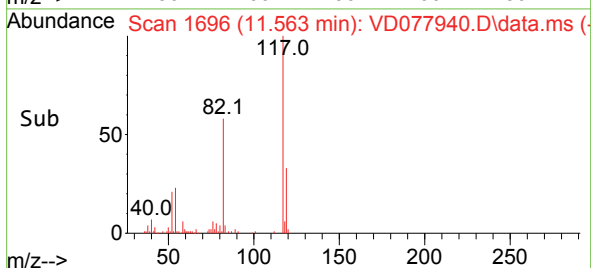
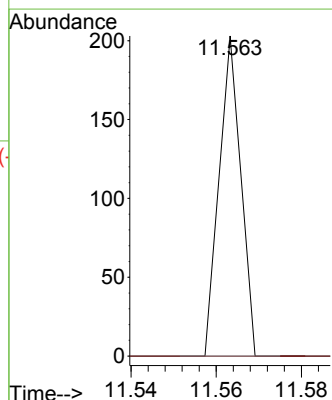
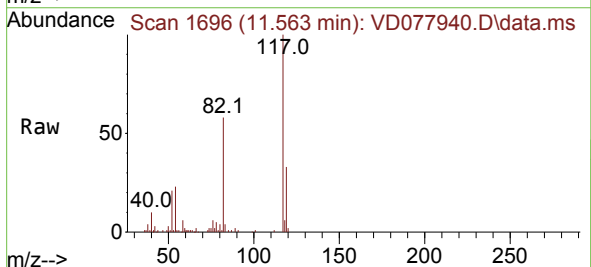
Instrument :
MSVOA_D
ClientSampleId :

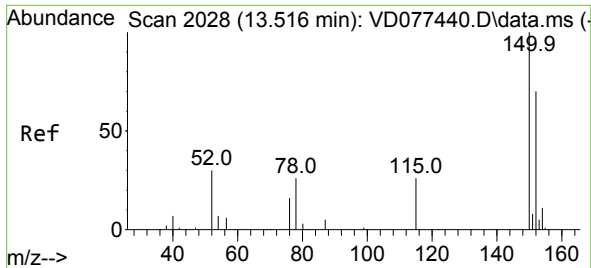
Tgt Ion:117 Resp: 241005
Ion Ratio Lower Upper
117 100
82 55.2 38.3 57.5
119 31.3 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.563 min Scan# 1696
Delta R.T. -0.041 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

Tgt Ion:112 Resp: 72
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

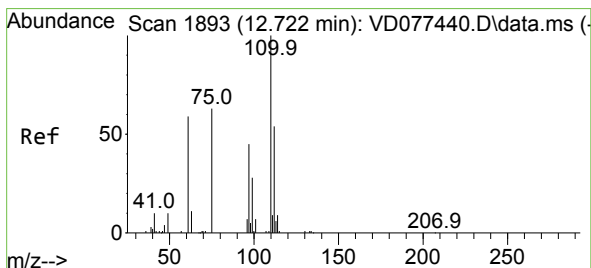
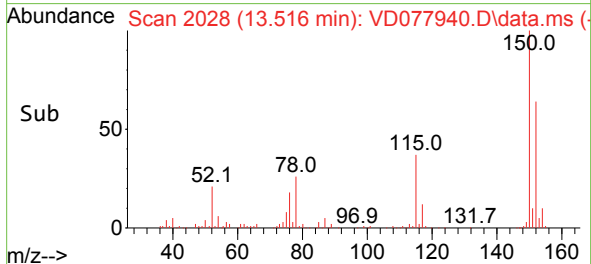
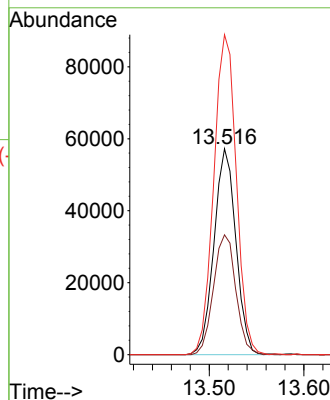
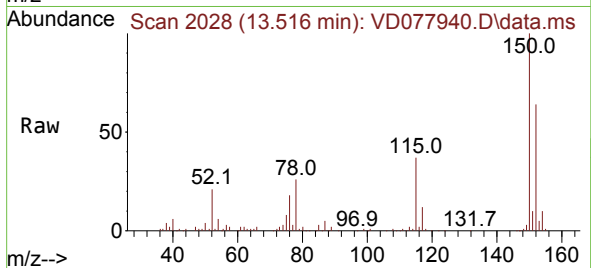




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077940.D
 Acq: 16 Dec 2023 18:07

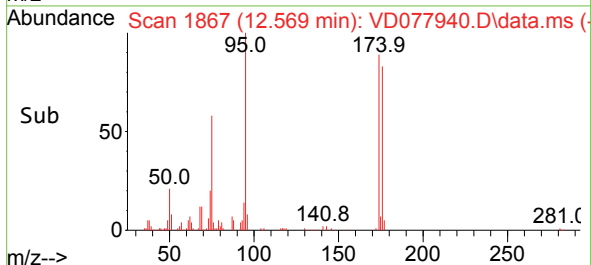
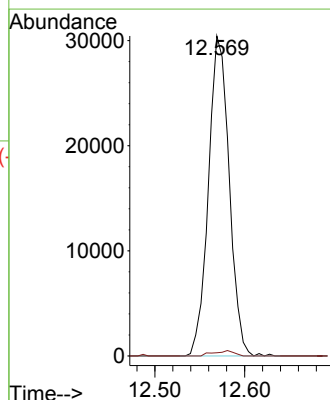
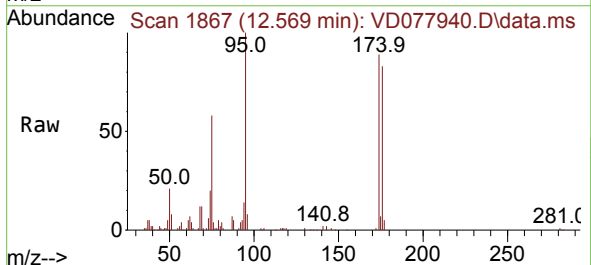
Instrument :
 MSVOA_D
 ClientSampleId :

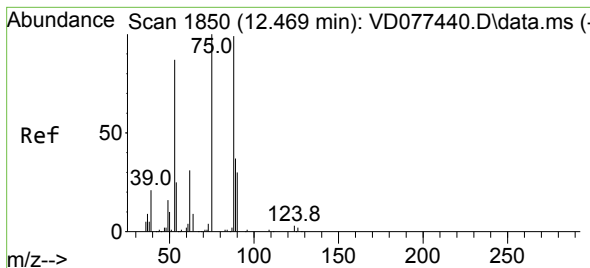
Tgt Ion:152 Resp: 91971
 Ion Ratio Lower Upper
 152 100
 115 59.6 27.1 81.3
 150 160.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 61.269 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD077940.D
 Acq: 16 Dec 2023 18:07

Tgt Ion: 75 Resp: 48940
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

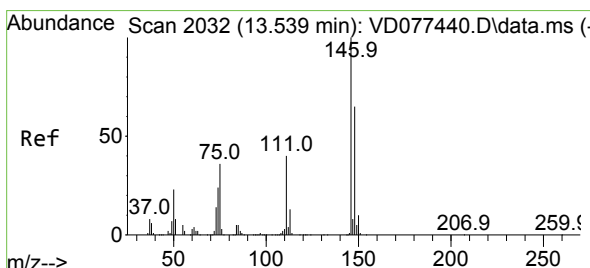
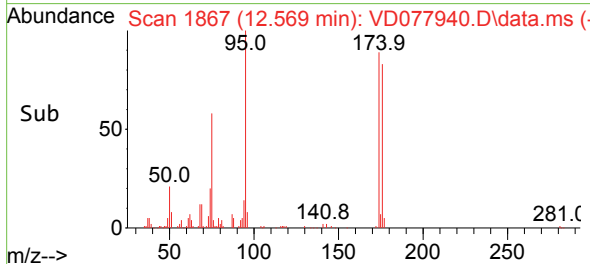
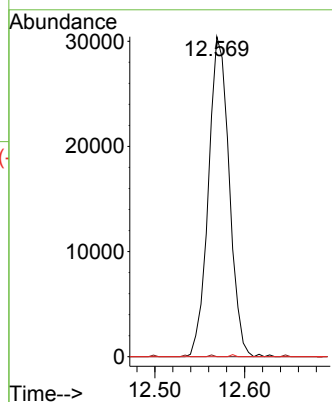
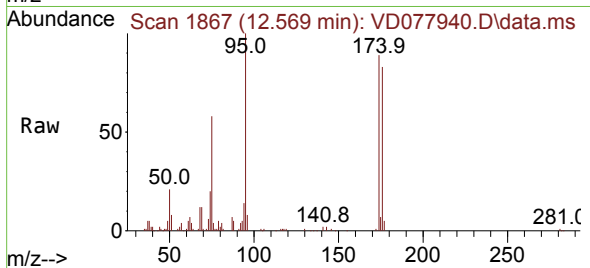




#81
trans-1,4-Dichloro-2-butene
Concen: 124.135 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

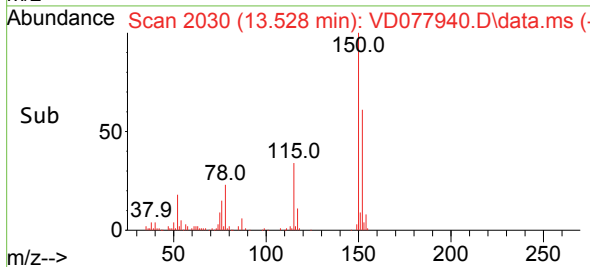
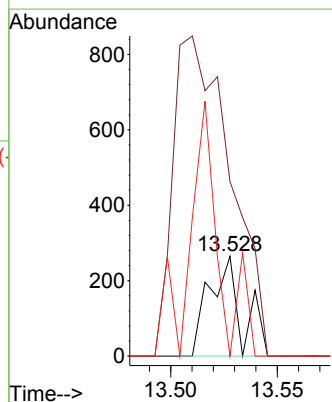
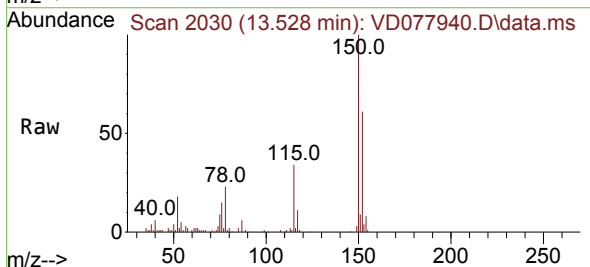
Instrument :
MSVOA_D
ClientSampleId :

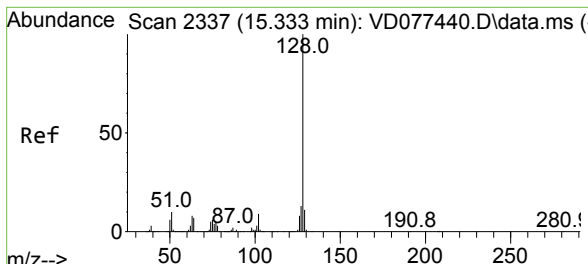
Tgt Ion: 75 Resp: 48940
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077940.D
Acq: 16 Dec 2023 18:07

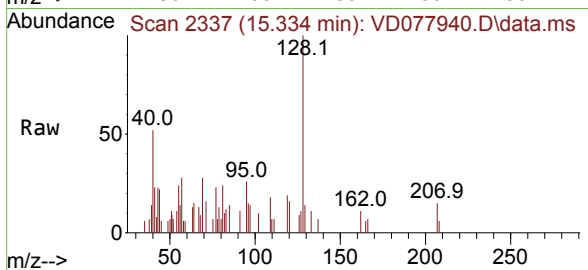
Tgt Ion:146 Resp: 280
Ion Ratio Lower Upper
146 100
111 567.1 17.4 52.3#
148 232.1 31.7 95.1#





#95
 Naphthalene
 Concen: 1.579 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD077940.D
 Acq: 16 Dec 2023 18:07

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	5109
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.5	15.7
129	14.4	8.7	13.1#

