

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078022.D
 Acq On : 21 Dec 2023 13:17
 Operator : RP/MD
 Sample : VD1221SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:11:41 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)

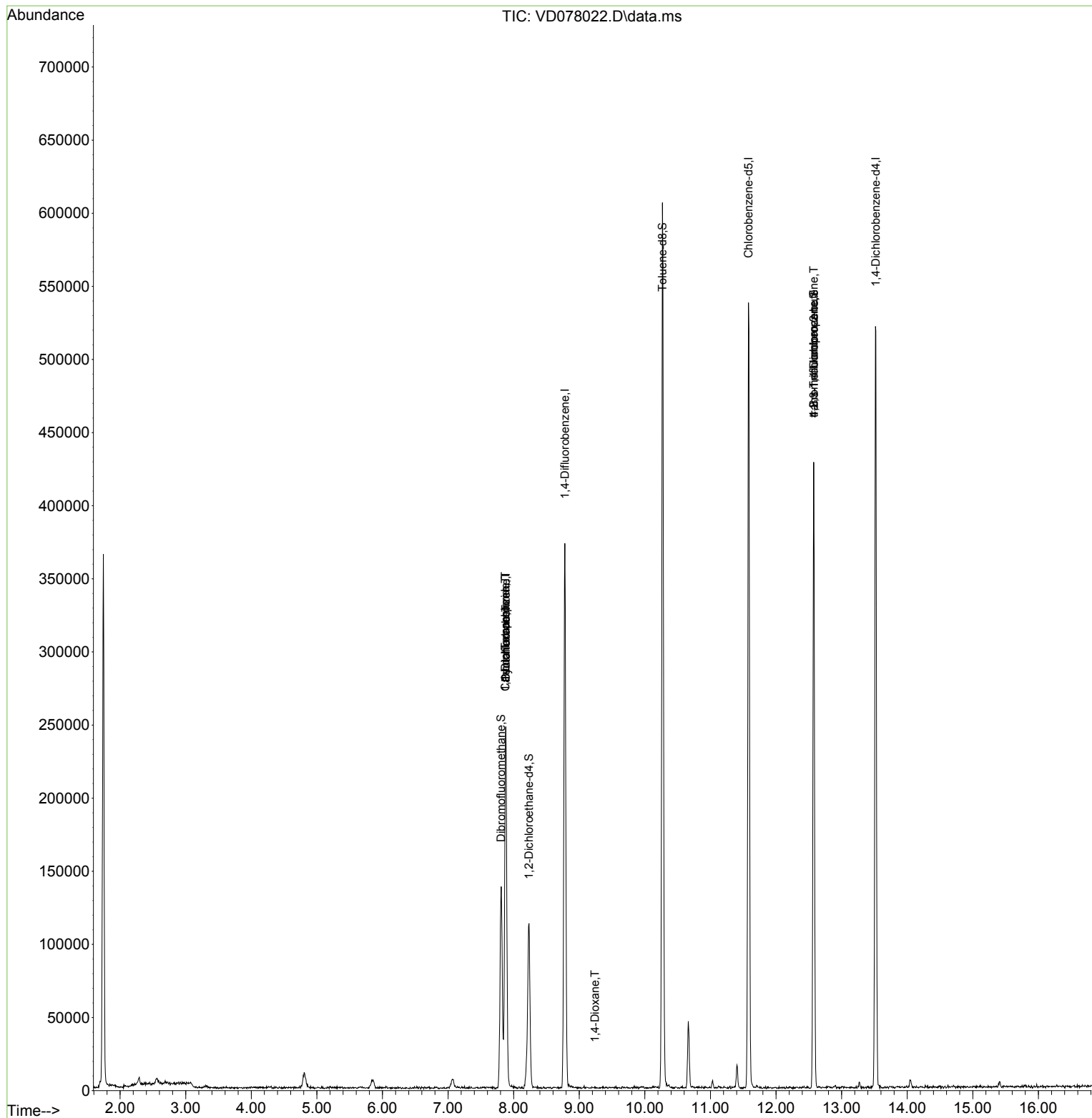
Internal Standards						
1) Pentafluorobenzene	7.881	168	188491	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	335909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	316975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	142888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83426	37.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.120%
35) Dibromofluoromethane	7.810	113	102167	43.421	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.840%
50) Toluene-d8	10.269	98	421201	44.695	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.400%
62) 4-Bromofluorobenzene	12.575	95	119969	42.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.160%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.075	59	272	Below Cal	#	73
16) Acetone	4.022	43	682	Below Cal	#	32
20) Methylene Chloride	4.805	84	8179	Below Cal	#	90
25) 2-Butanone	7.081	43	62	Below Cal	#	37
31) Cyclohexane	7.881	56	4176	1.057	ug/l	# 40
36) 1,1-Dichloropropene	7.875	75	15641	4.156	ug/l	# 49
38) Carbon Tetrachloride	7.875	117	18592	4.955	ug/l	# 15
49) 1,4-Dioxane	9.240	88	54	3.958	ug/l	# 1
65) Chlorobenzene	11.604	112	128	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	64491	51.967	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	64491	105.290	ug/l	# 17
88) 1,4-Dichlorobenzene	13.522	146	66	Below Cal	#	1

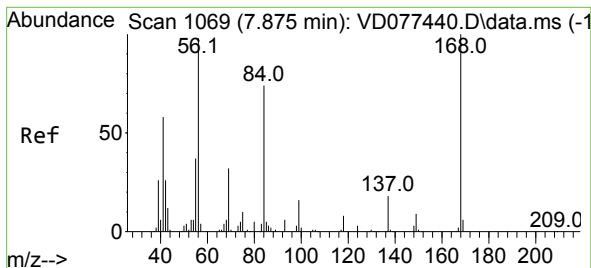
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

Instrument :

MSVOA_D

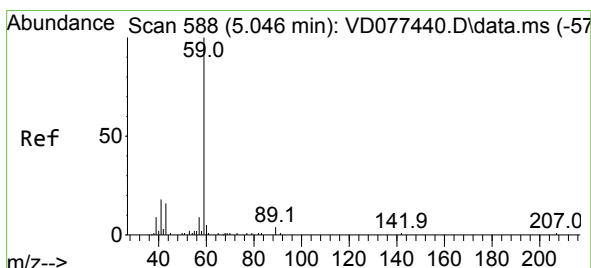
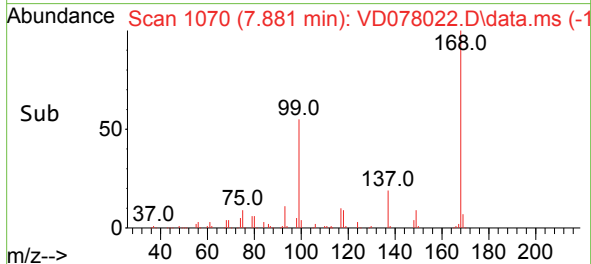
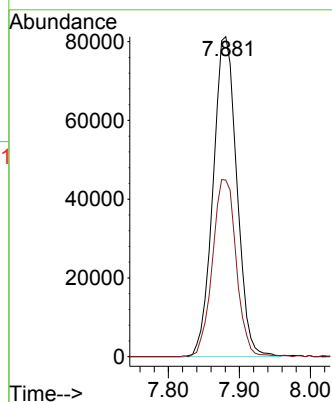
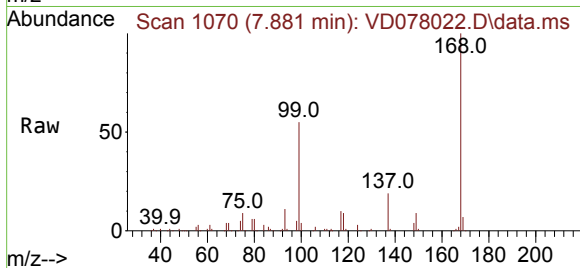
ClientSampleId :

Tgt Ion:168 Resp: 188491

Ion Ratio Lower Upper

168 100

99 55.2 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.075 min Scan# 593

Delta R.T. 0.029 min

Lab File: VD078022.D

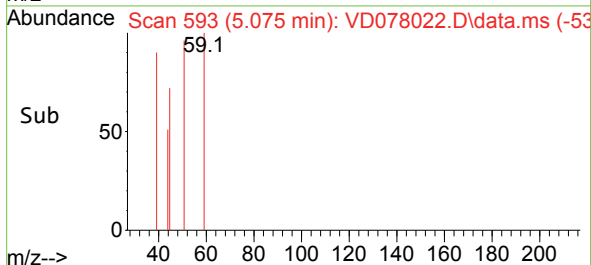
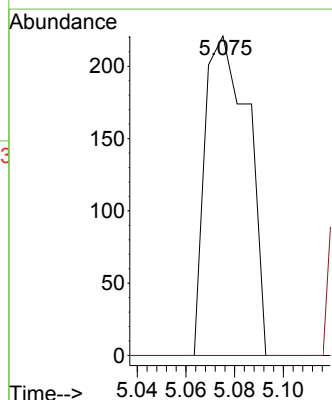
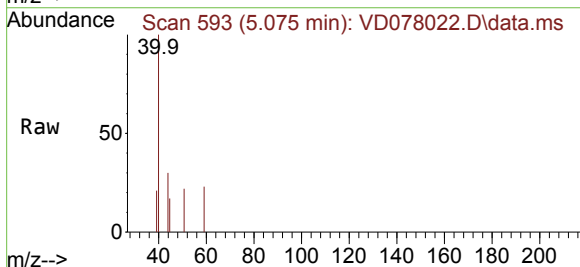
Acq: 21 Dec 2023 13:17

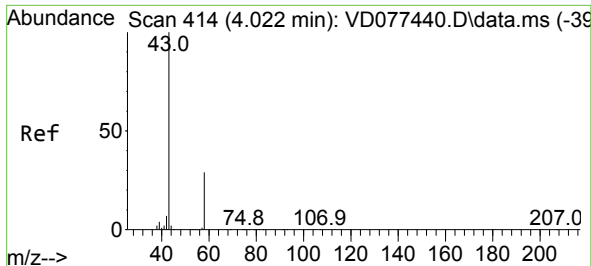
Tgt Ion: 59 Resp: 272

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: Below Cal

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

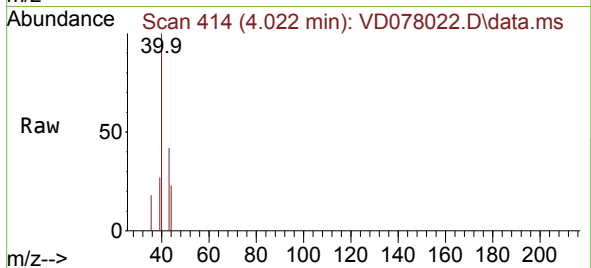
Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

Instrument :

MSVOA_D

ClientSampleId :

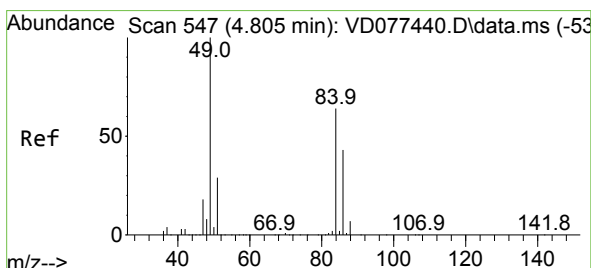
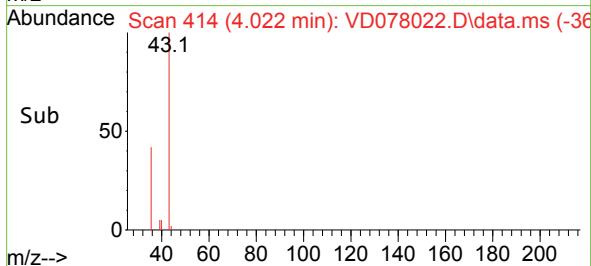
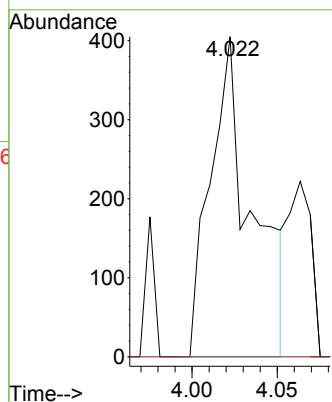


Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

Tgt Ion: 84 Resp: 8179

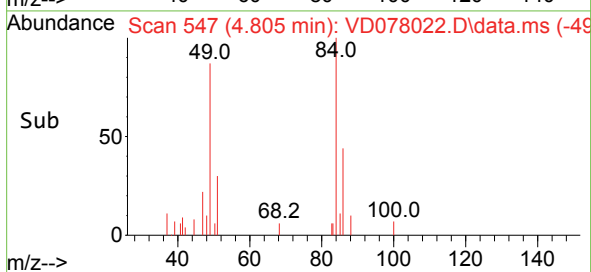
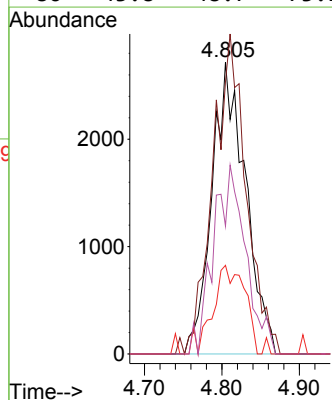
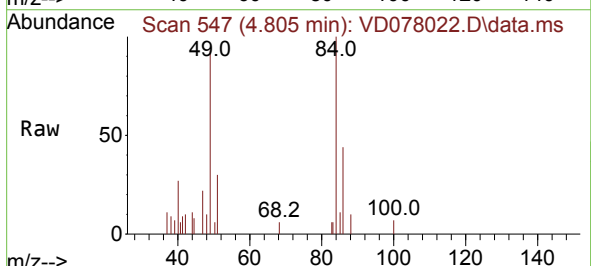
Ion Ratio Lower Upper

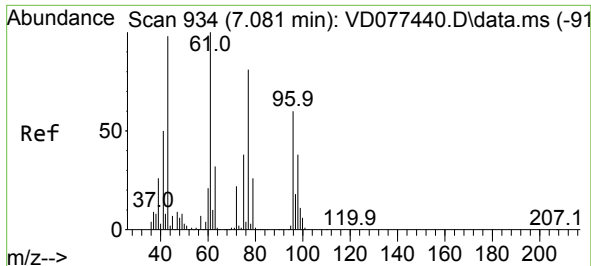
84 100

49 93.3 71.4 107.2

51 30.4 24.5 36.7

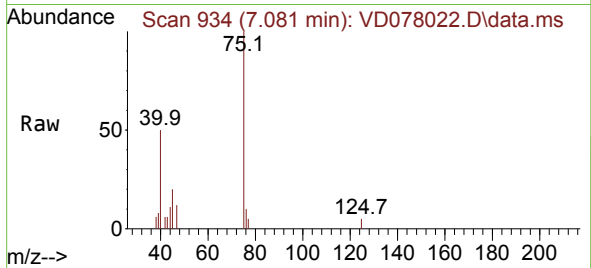
86 43.8 48.7 73.1#



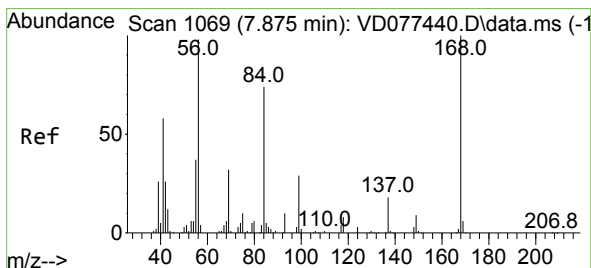
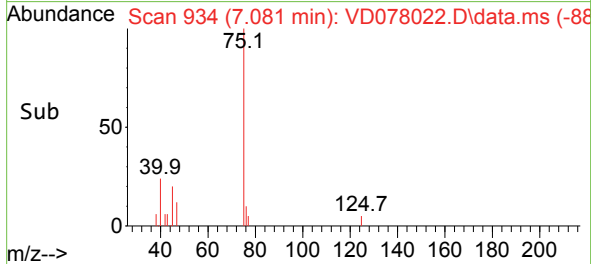
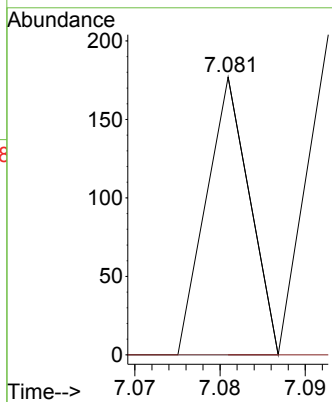


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Instrument :
MSVOA_D
ClientSampleId :

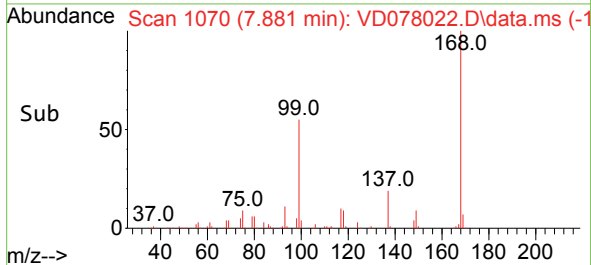
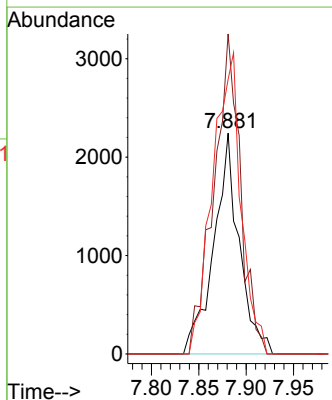
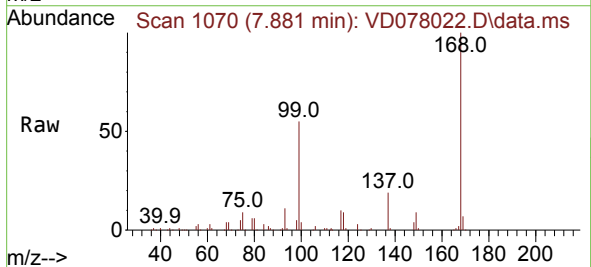


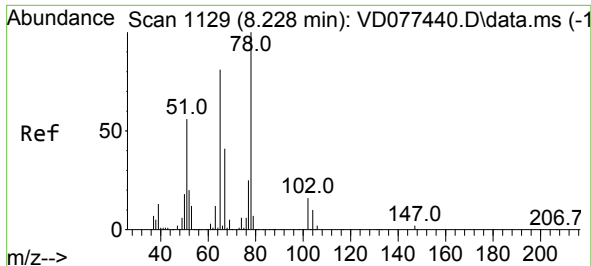
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Tgt Ion: 56 Resp: 4176
Ion Ratio Lower Upper
56 100
69 144.9 28.6 43.0#
84 124.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 37.561 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

Instrument :

MSVOA_D

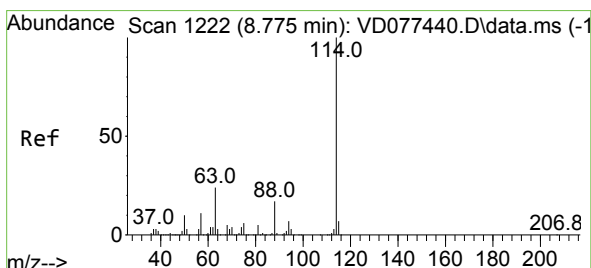
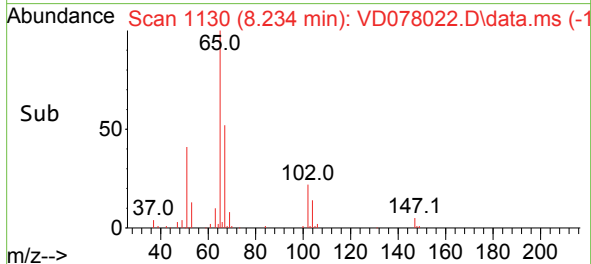
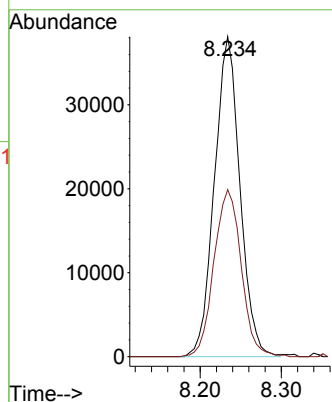
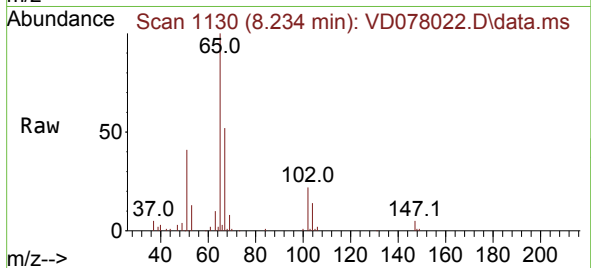
ClientSampleId :

Tgt Ion: 65 Resp: 83426

Ion Ratio Lower Upper

65 100

67 55.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

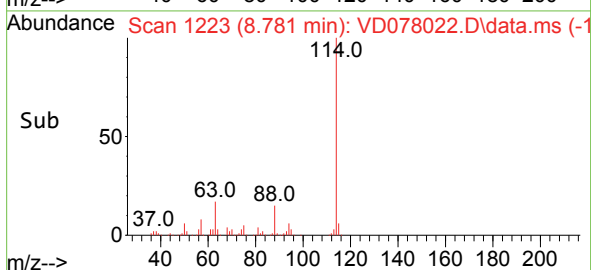
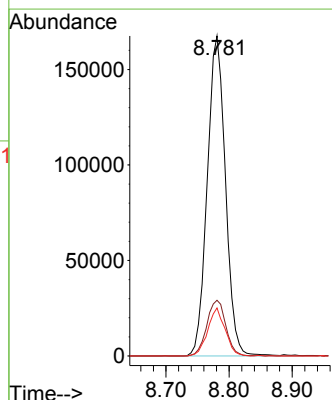
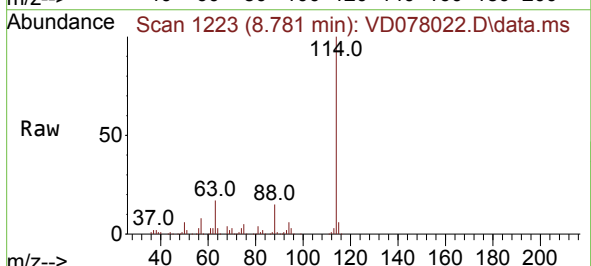
Tgt Ion: 114 Resp: 335909

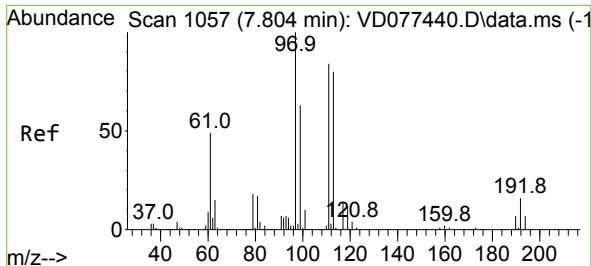
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.4

88 15.0 0.0 26.2





#35

Dibromofluoromethane

Concen: 43.421 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

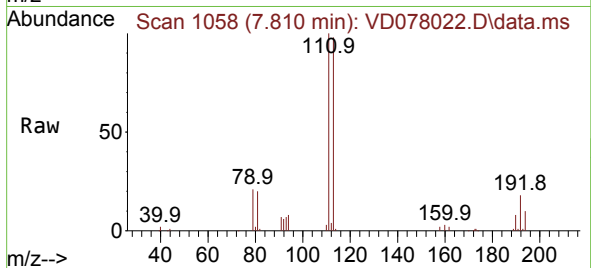
Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

Instrument :

MSVOA_D

ClientSampleId :



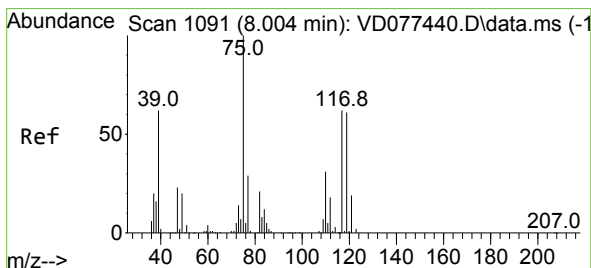
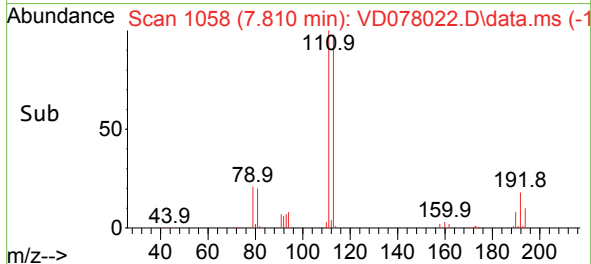
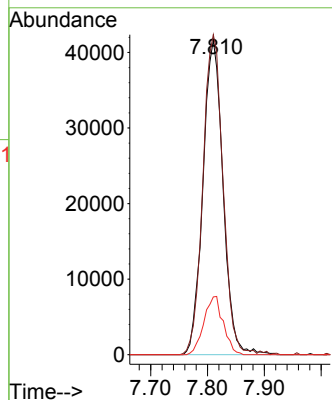
Tgt Ion:113 Resp: 102167

Ion Ratio Lower Upper

113 100

111 101.6 84.7 127.1

192 17.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.156 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

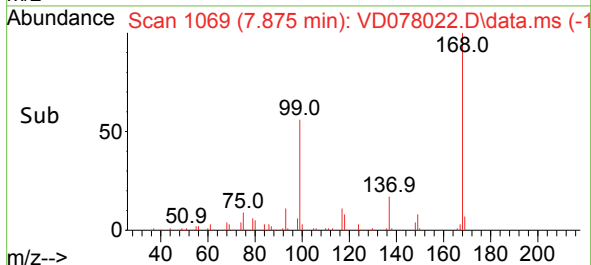
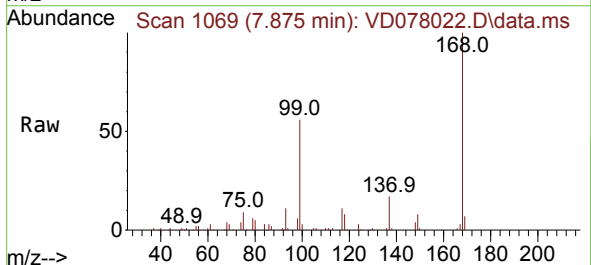
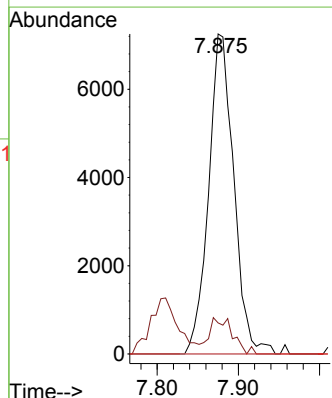
Tgt Ion: 75 Resp: 15641

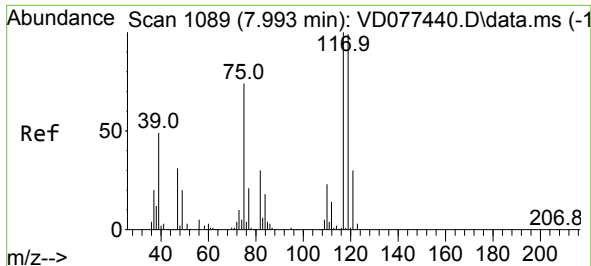
Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.6#

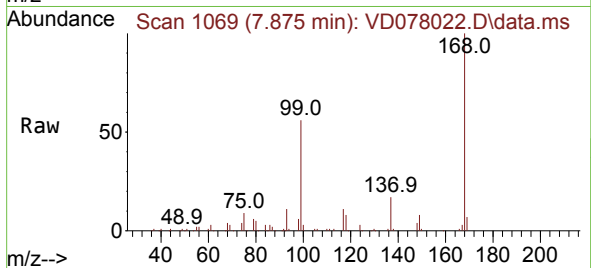
77 0.0 24.7 37.1#



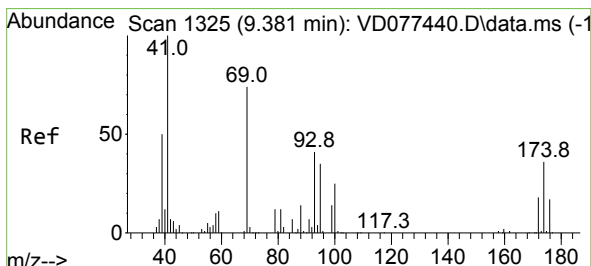
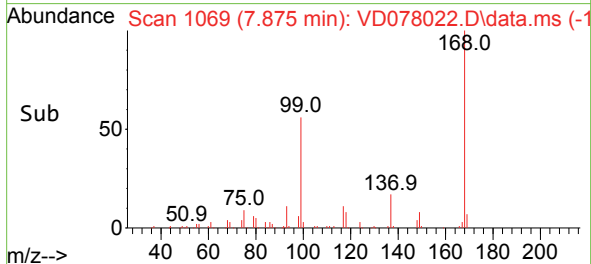
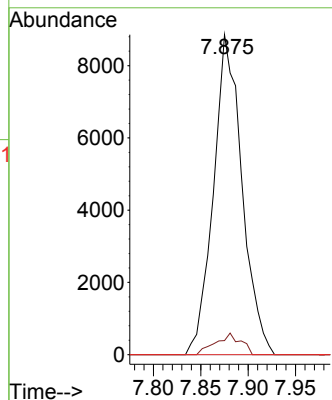


#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Instrument :
MSVOA_D
ClientSampleId :

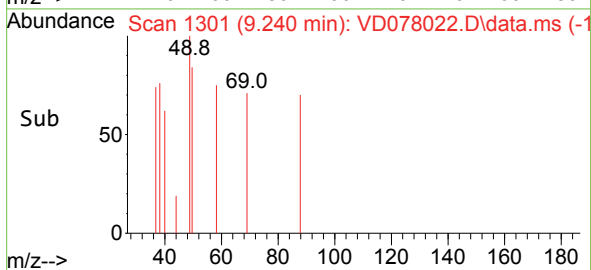
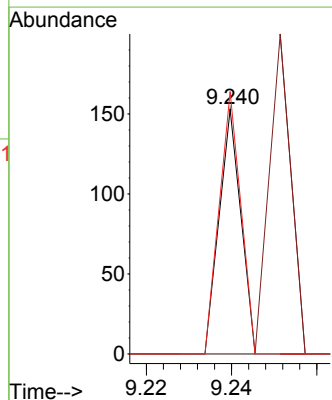
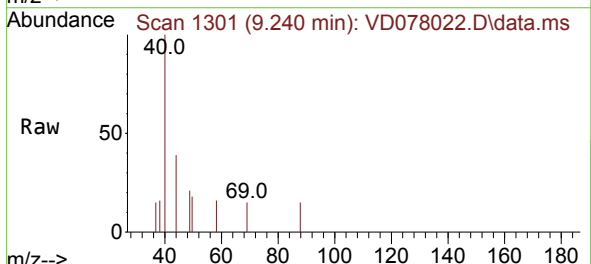


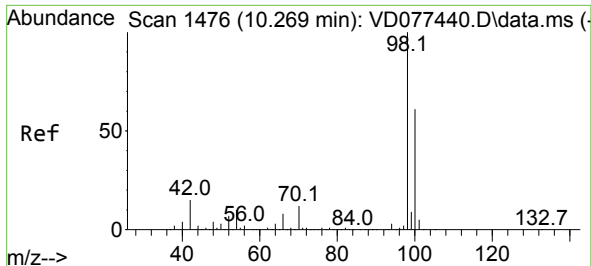
Tgt Ion:117 Resp: 18592
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 3.958 ug/l
RT: 9.240 min Scan# 1301
Delta R.T. -0.141 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 131.5 19.0 28.6#
58 107.4 43.5 65.3#

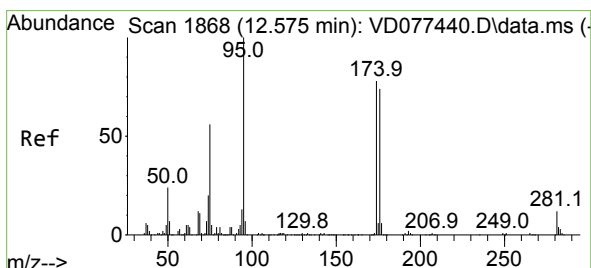
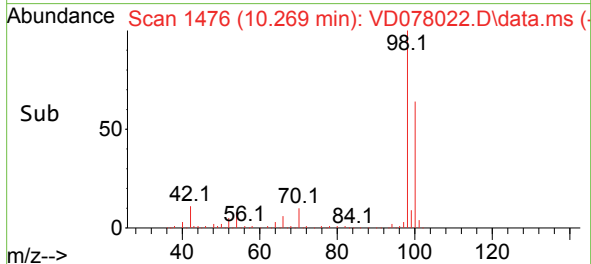
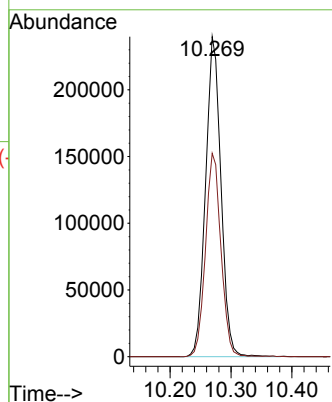
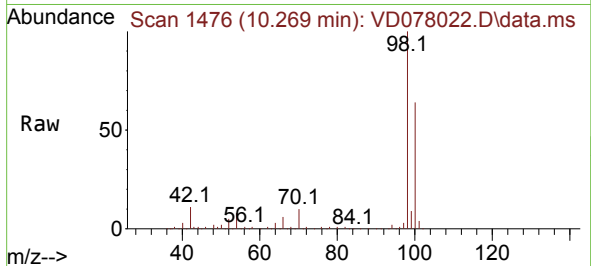




#50
Toluene-d8
Concen: 44.695 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

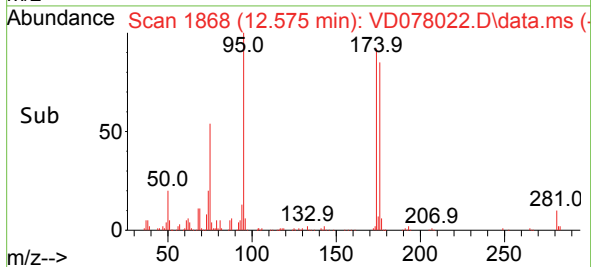
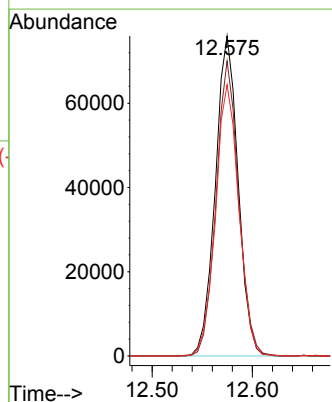
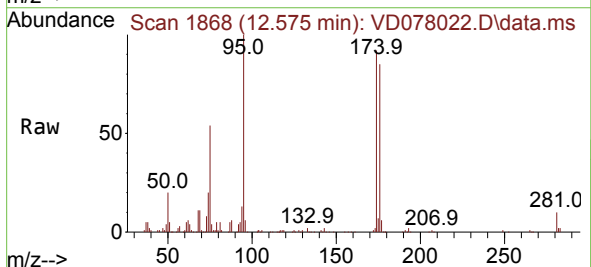
Instrument :
MSVOA_D
ClientSampleId :

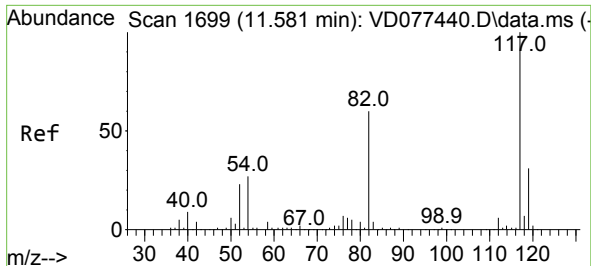
Tgt Ion: 98 Resp: 421201
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.580 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Tgt Ion: 95 Resp: 119969
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 86.7 0.0 191.8

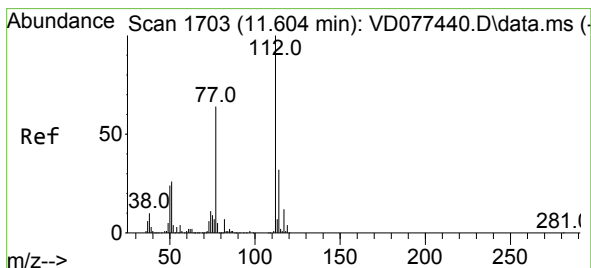
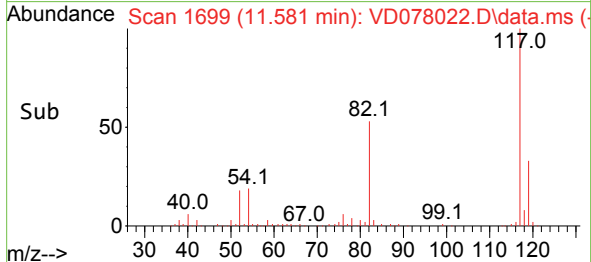
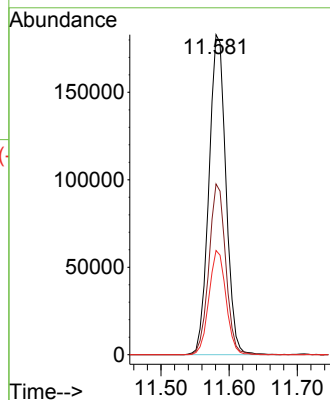
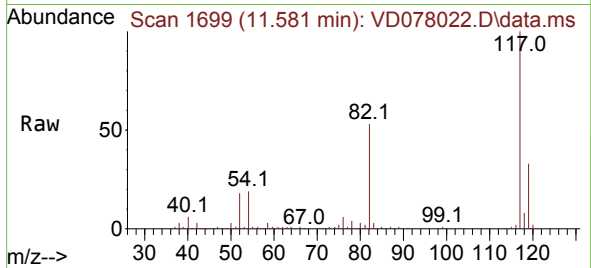




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

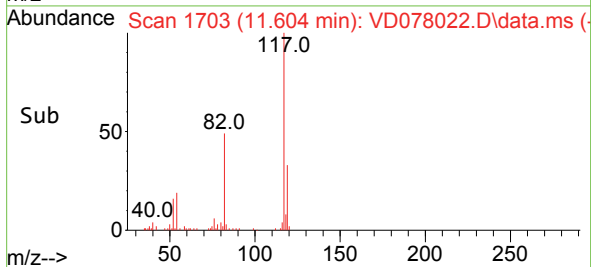
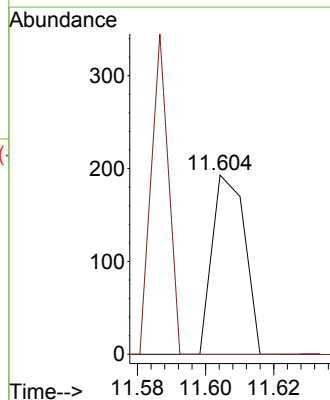
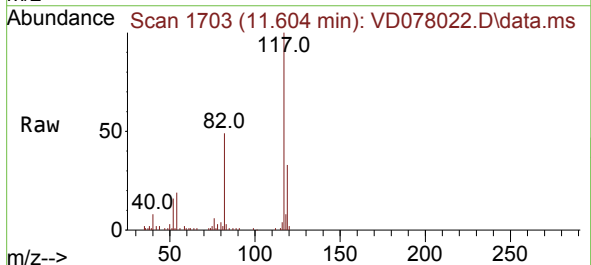
Instrument :
MSVOA_D
ClientSampleId :

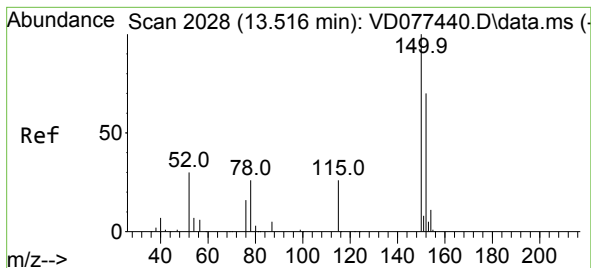
Tgt Ion:117 Resp: 316975
Ion Ratio Lower Upper
117 100
82 53.3 38.3 57.5
119 32.6 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Tgt Ion:112 Resp: 128
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD078022.D

Acq: 21 Dec 2023 13:17

Instrument :

MSVOA_D

ClientSampleId :

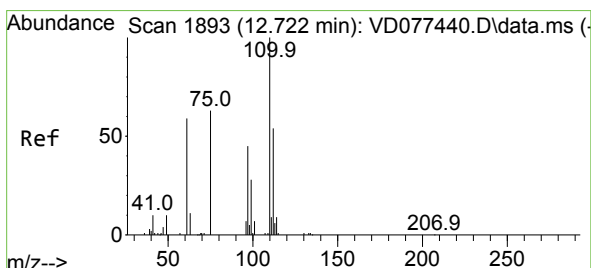
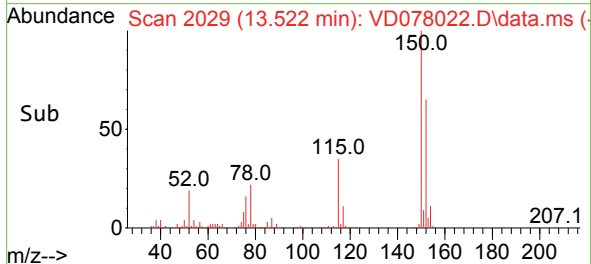
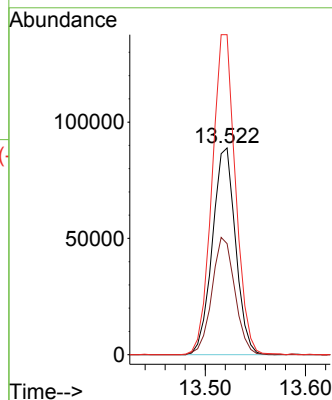
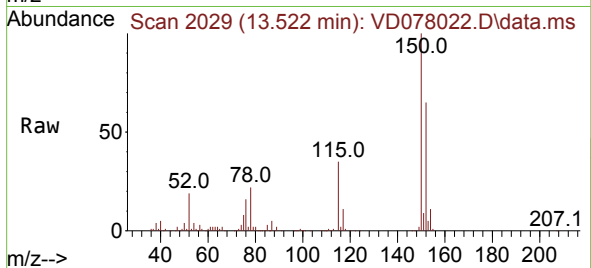
Tgt Ion:152 Resp: 142888

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 156.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 51.967 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078022.D

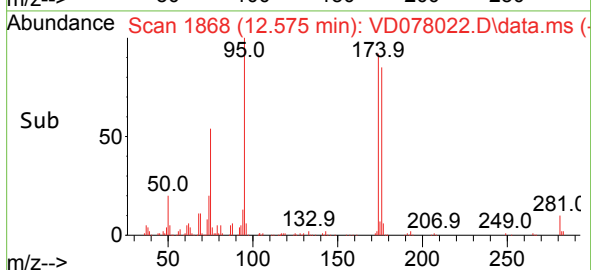
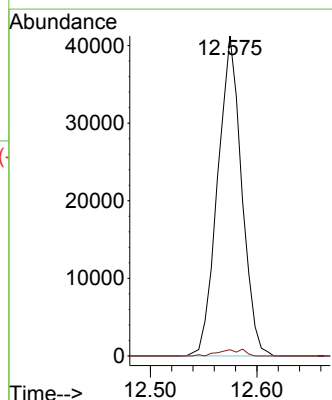
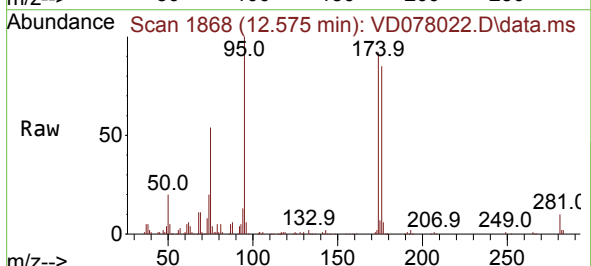
Acq: 21 Dec 2023 13:17

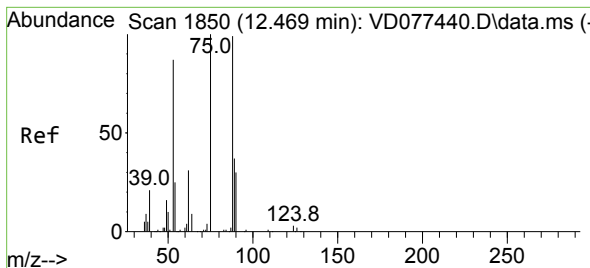
Tgt Ion: 75 Resp: 64491

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#

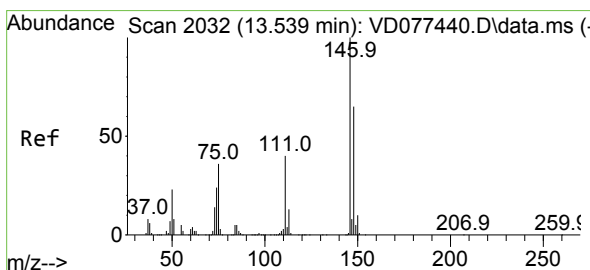
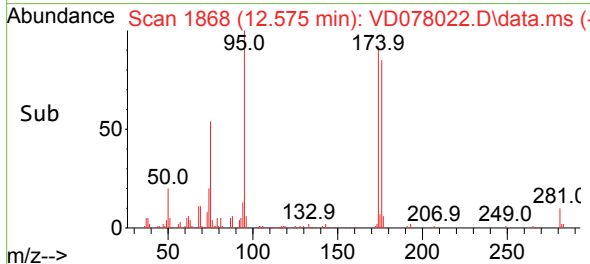
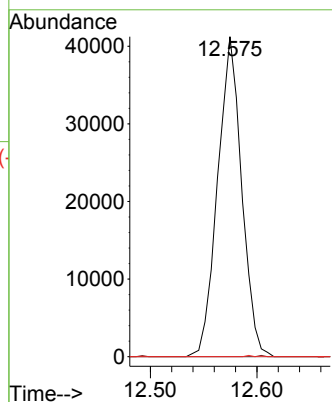
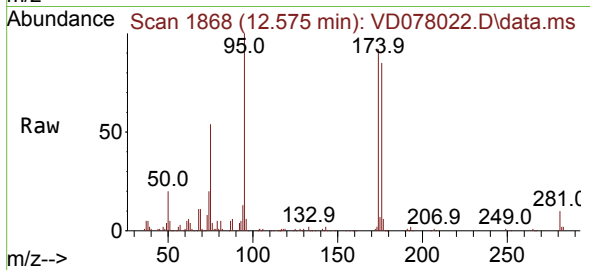




#81
trans-1,4-Dichloro-2-butene
Concen: 105.290 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 64491
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.522 min Scan# 2029
Delta R.T. -0.017 min
Lab File: VD078022.D
Acq: 21 Dec 2023 13:17

Tgt Ion:146 Resp: 66
Ion Ratio Lower Upper
146 100
111 3072.7 17.4 52.3#
148 365.2 31.7 95.1#

