

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077985.D
 Acq On : 20 Dec 2023 10:14
 Operator : RP/MD
 Sample : VD1220SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:20:28 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)

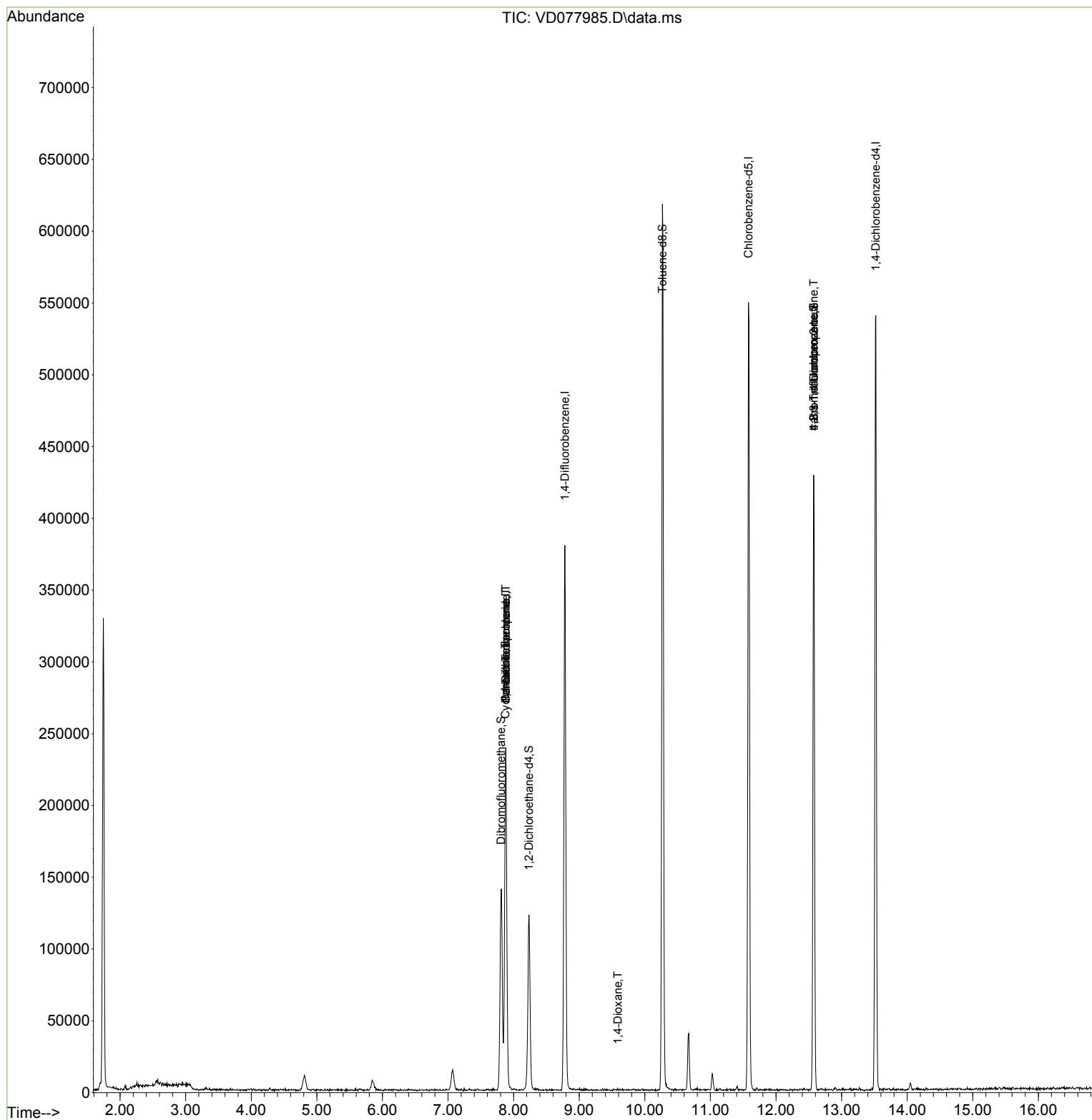
Internal Standards						
1) Pentafluorobenzene	7.881	168	182528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	336368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	146044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	92718	43.108	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.220%
35) Dibromofluoromethane	7.810	113	103889	44.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.180%
50) Toluene-d8	10.269	98	433170	45.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.800%
62) 4-Bromofluorobenzene	12.575	95	126811	44.947	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.069	59	67	Below Cal	#	1
16) Acetone	4.046	43	387	Below Cal	#	32
20) Methylene Chloride	4.816	84	7800	Below Cal	#	80
25) 2-Butanone	7.063	43	989	Below Cal		94
31) Cyclohexane	7.875	56	4275	1.117	ug/l #	14
36) 1,1-Dichloropropene	7.881	75	15164	4.024	ug/l #	47
38) Carbon Tetrachloride	7.881	117	18080	4.812	ug/l #	14
49) 1,4-Dioxane	9.587	88	57	4.172	ug/l #	33
65) Chlorobenzene	11.822	112	56	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	68769	54.217	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	68769	109.848	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	399	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.569	75	64	Below Cal	#	1

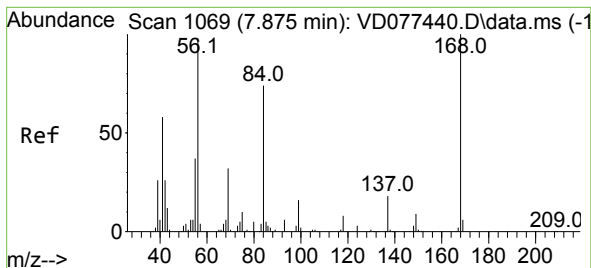
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 05:20:28 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077985.D

Acq: 20 Dec 2023 10:14

Instrument :

MSVOA_D

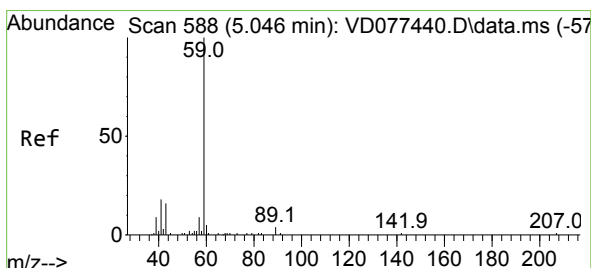
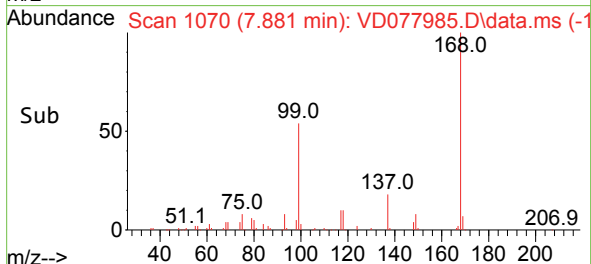
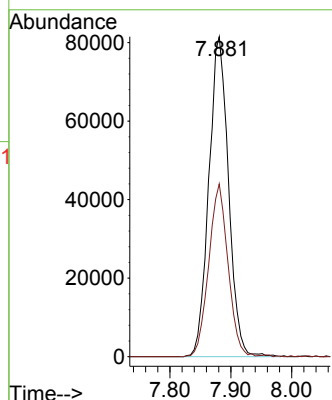
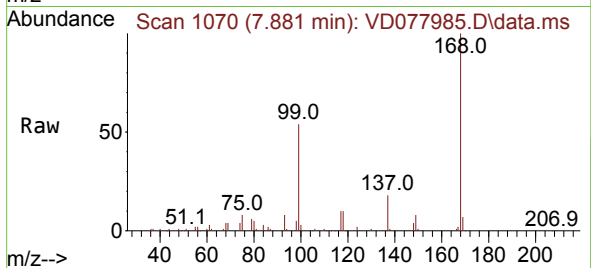
ClientSampleId :

Tgt Ion:168 Resp: 182528

Ion Ratio Lower Upper

168 100

99 54.0 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.069 min Scan# 592

Delta R.T. 0.023 min

Lab File: VD077985.D

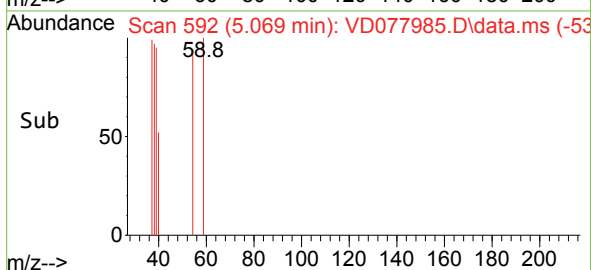
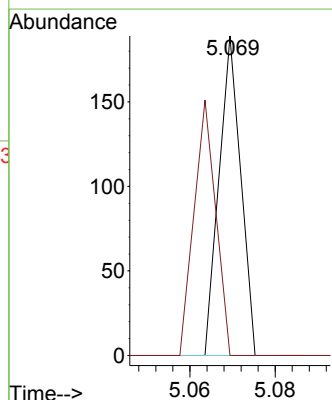
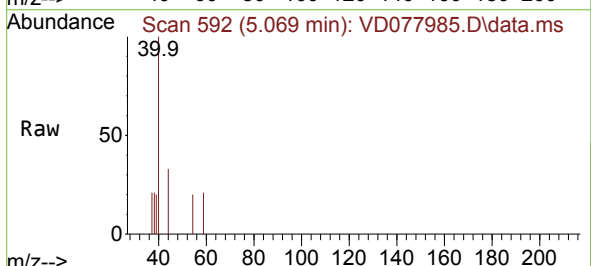
Acq: 20 Dec 2023 10:14

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 79.1 7.8 11.8#

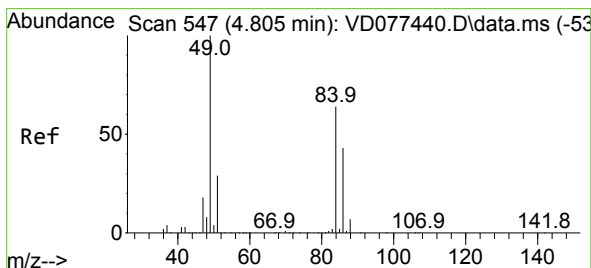
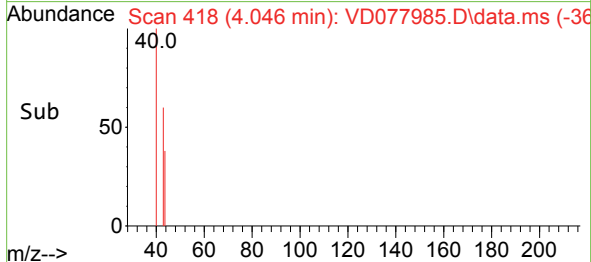
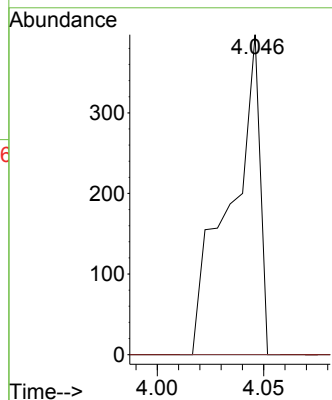
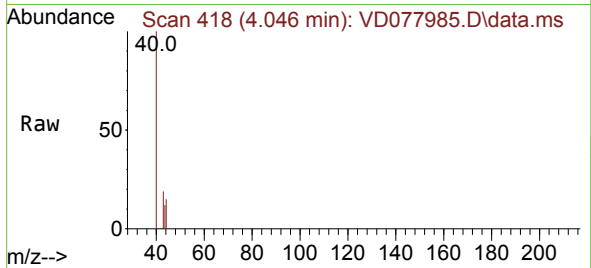




#16
Acetone
Concen: Below Cal
RT: 4.046 min Scan# 414
Delta R.T. 0.024 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

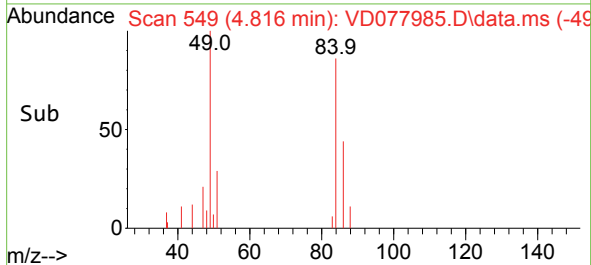
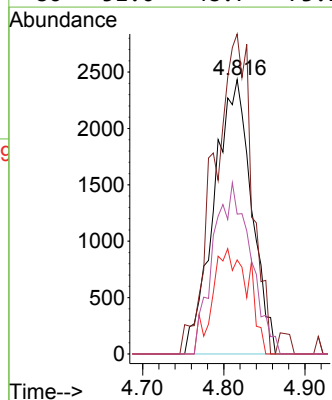
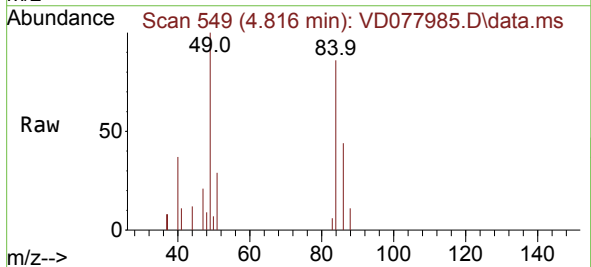
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

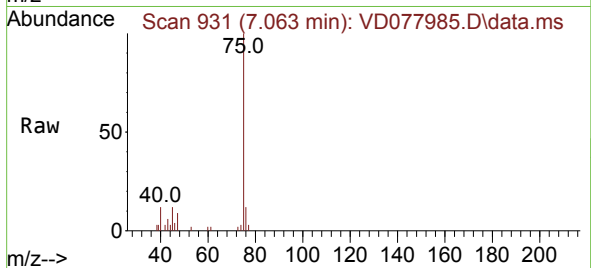
Tgt Ion: 84 Resp: 7800
Ion Ratio Lower Upper
84 100
49 116.6 71.4 107.2#
51 34.3 24.5 36.7
86 51.0 48.7 73.1



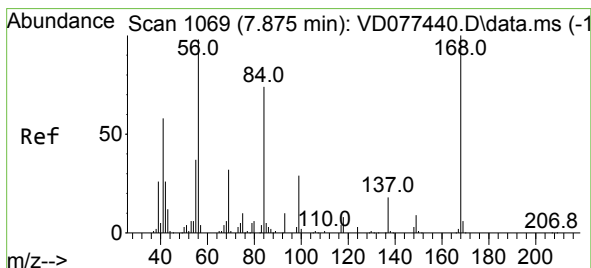
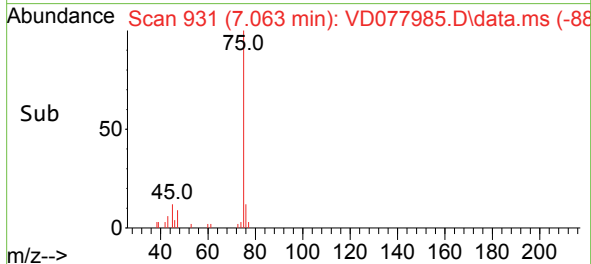
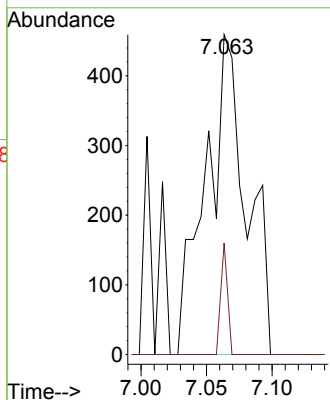


#25
2-Butanone
Concen: Below Cal
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Instrument :
MSVOA_D
ClientSampleId :

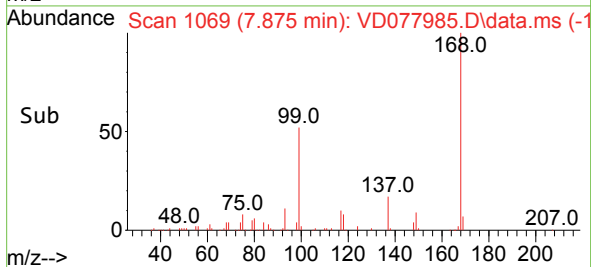
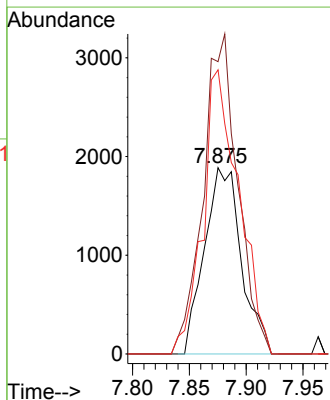
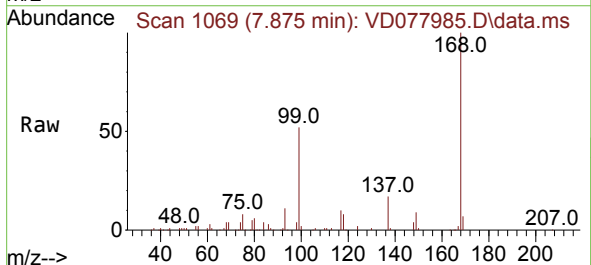


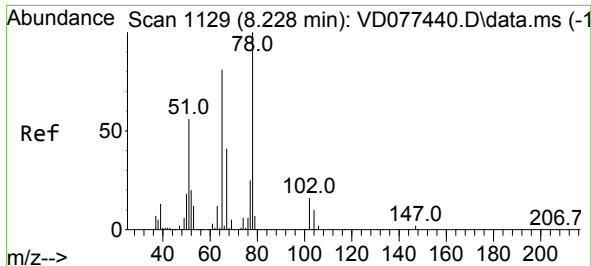
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
72 34.9 30.7 46.1



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Tgt Ion: 56 Resp: 4275
Ion Ratio Lower Upper
56 100
69 156.9 28.6 43.0#
84 152.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 43.108 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077985.D

Acq: 20 Dec 2023 10:14

Instrument :

MSVOA_D

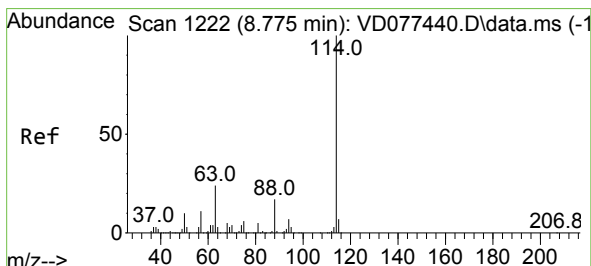
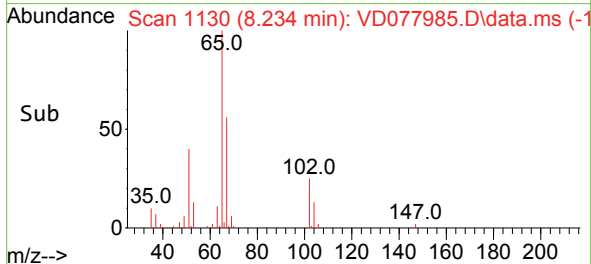
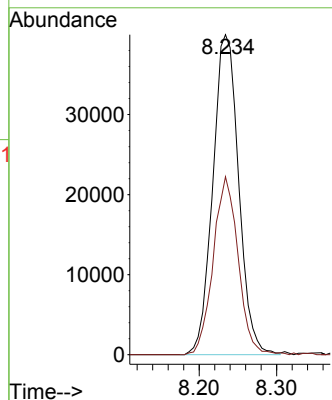
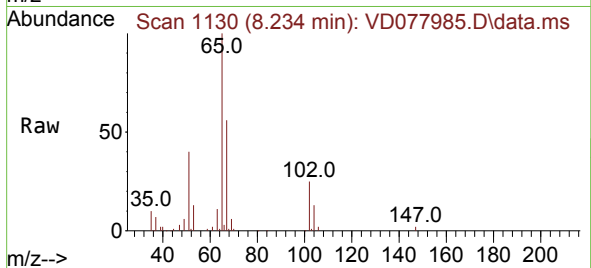
ClientSampleId :

Tgt Ion: 65 Resp: 92718

Ion Ratio Lower Upper

65 100

67 53.5 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: VD077985.D

Acq: 20 Dec 2023 10:14

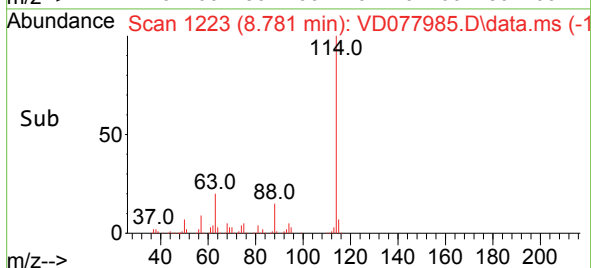
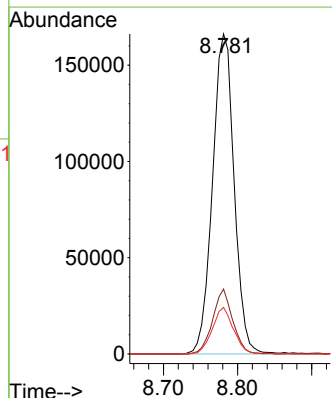
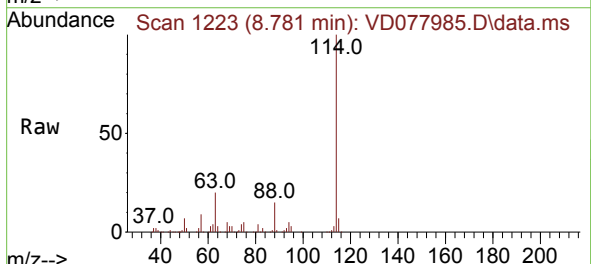
Tgt Ion: 114 Resp: 336368

Ion Ratio Lower Upper

114 100

63 20.3 0.0 33.4

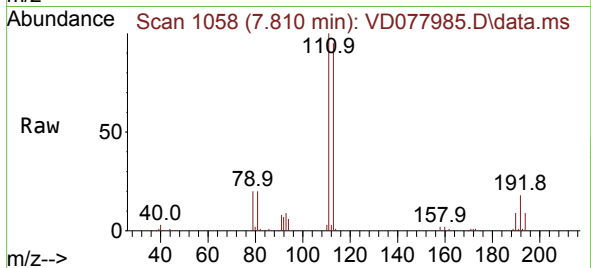
88 14.6 0.0 26.2



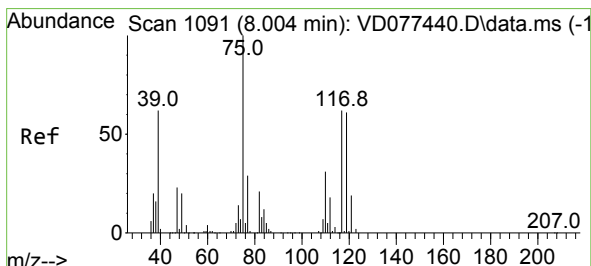
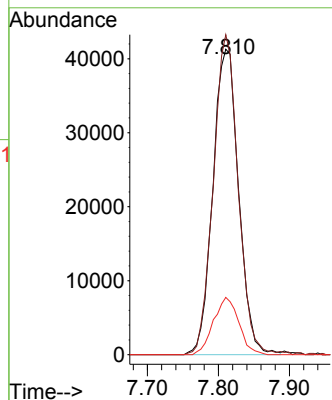
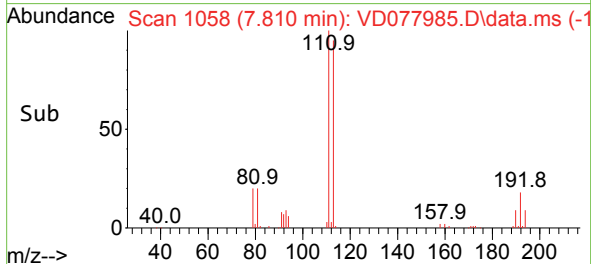


#35
 Dibromofluoromethane
 Concen: 44.093 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD077985.D
 Acq: 20 Dec 2023 10:14

Instrument :
 MSVOA_D
 ClientSampleId :

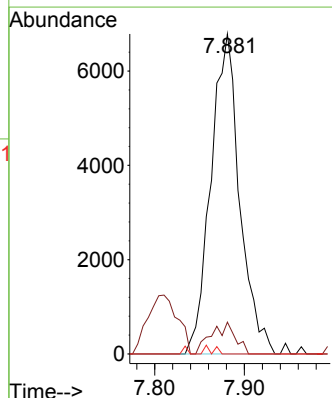
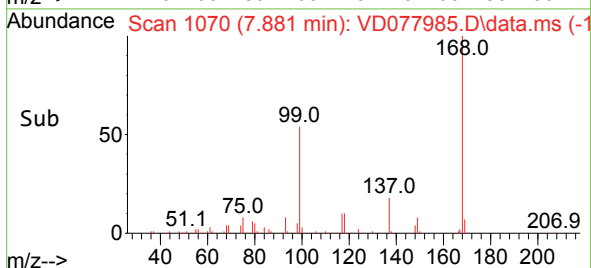
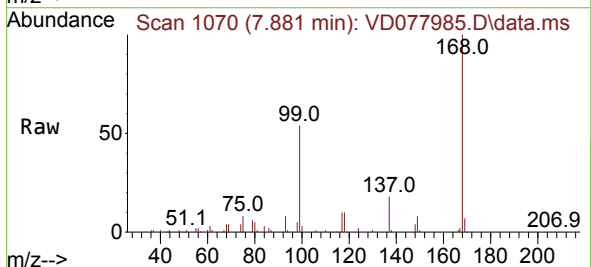


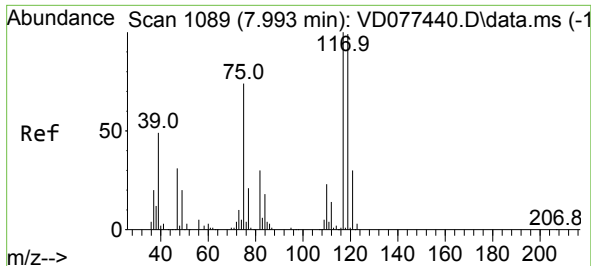
Tgt Ion:113 Resp: 103889
 Ion Ratio Lower Upper
 113 100
 111 101.0 84.7 127.1
 192 18.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.024 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.123 min
 Lab File: VD077985.D
 Acq: 20 Dec 2023 10:14

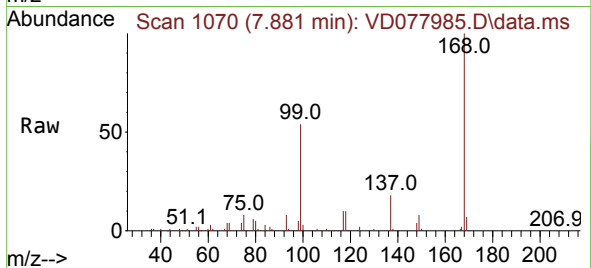
Tgt Ion: 75 Resp: 15164
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.9 59.6#
 77 0.0 24.7 37.1#



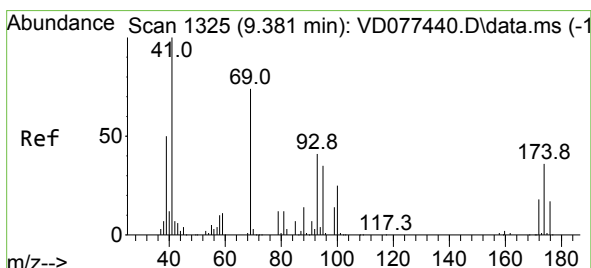
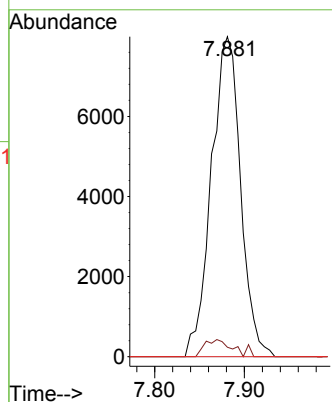
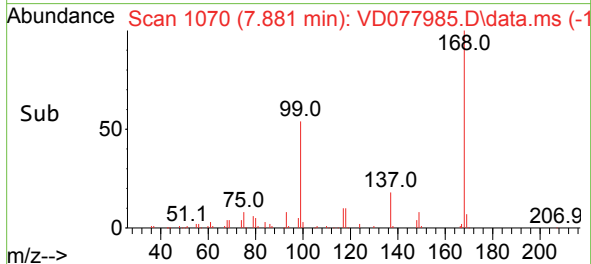


#38
Carbon Tetrachloride
Concen: 4.812 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Instrument :
MSVOA_D
ClientSampleId :

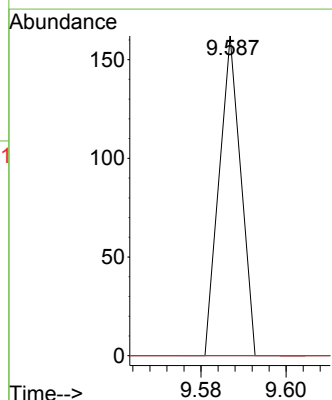
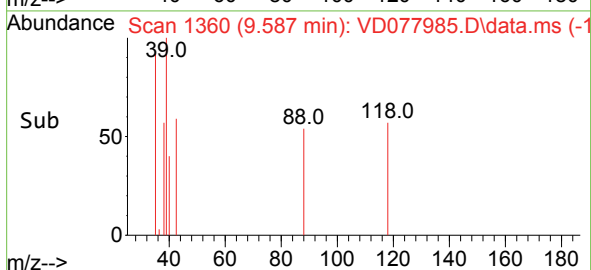
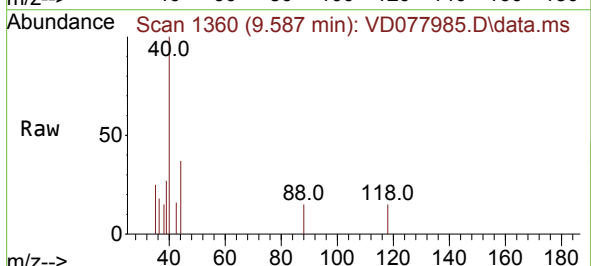


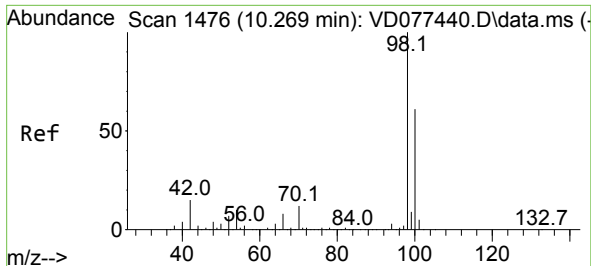
Tgt Ion:117 Resp: 18080
Ion Ratio Lower Upper
117 100
119 2.9 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.172 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.206 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#

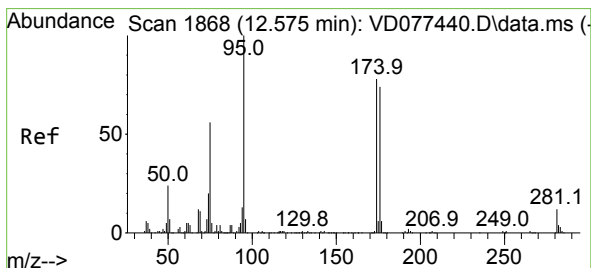
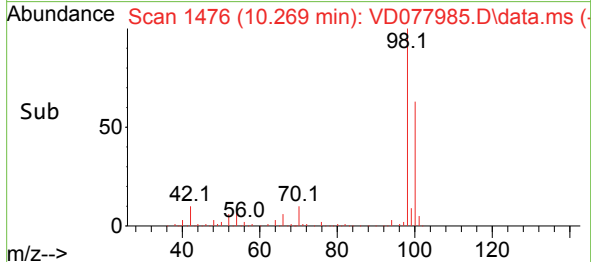
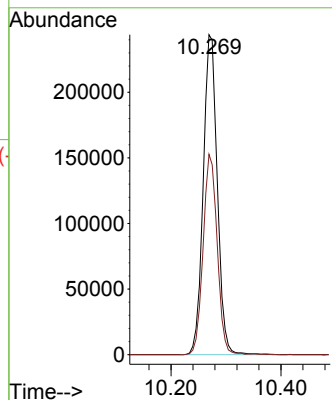
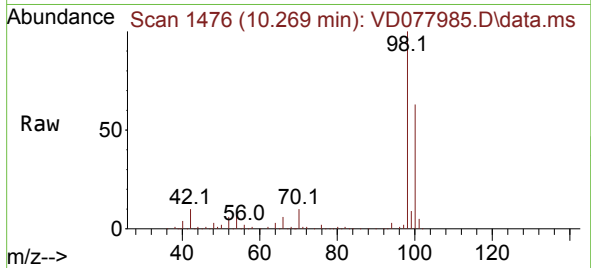




#50
Toluene-d8
Concen: 45.903 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

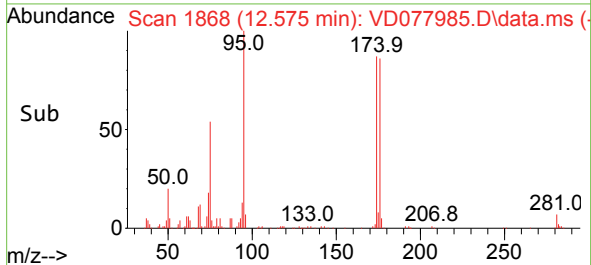
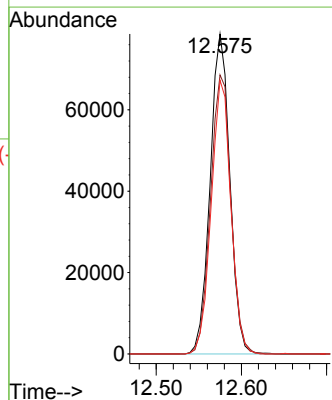
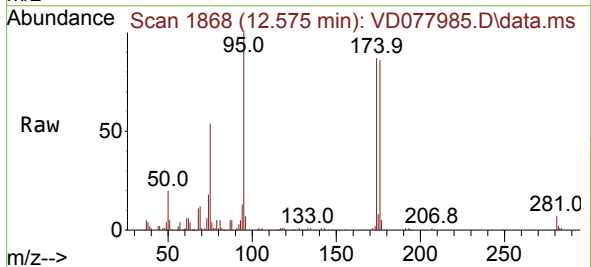
Instrument :
MSVOA_D
ClientSampleId :

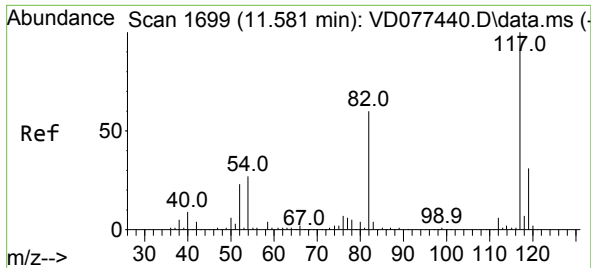
Tgt Ion: 98 Resp: 433170
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.947 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Tgt Ion: 95 Resp: 126811
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 85.2 0.0 191.8

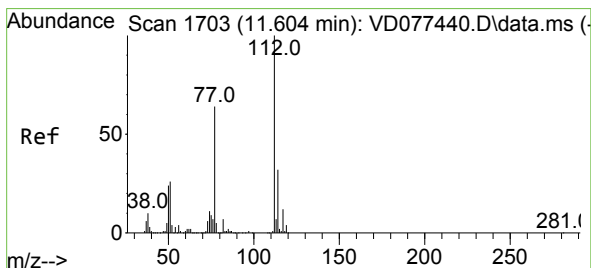
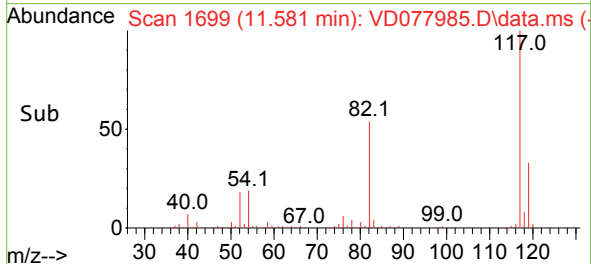
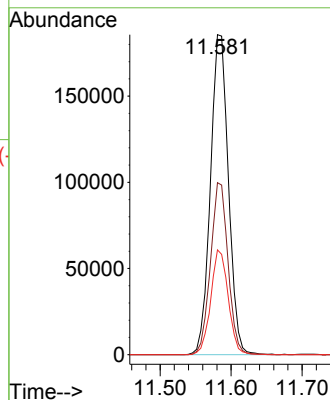
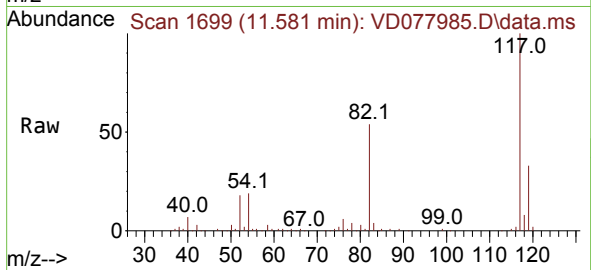




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

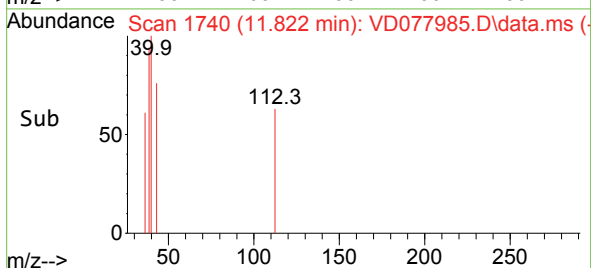
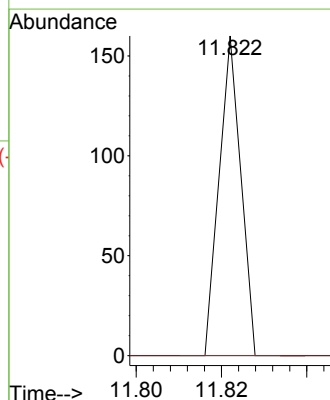
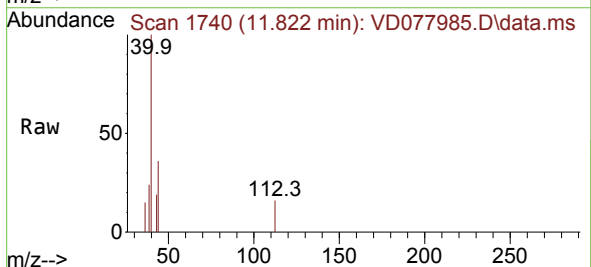
Instrument :
MSVOA_D
ClientSampleId :

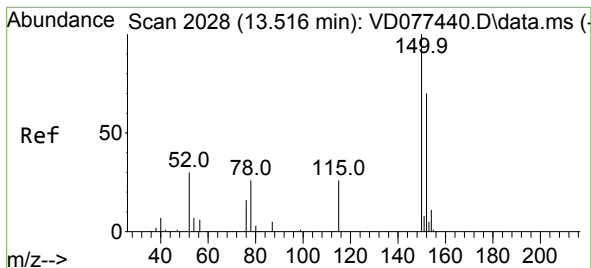
Tgt Ion:117 Resp: 326975
Ion Ratio Lower Upper
117 100
82 53.7 38.3 57.5
119 32.7 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.822 min Scan# 1740
Delta R.T. 0.218 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Tgt Ion:112 Resp: 56
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: VD077985.D

Acq: 20 Dec 2023 10:14

Instrument :

MSVOA_D

ClientSampleId :

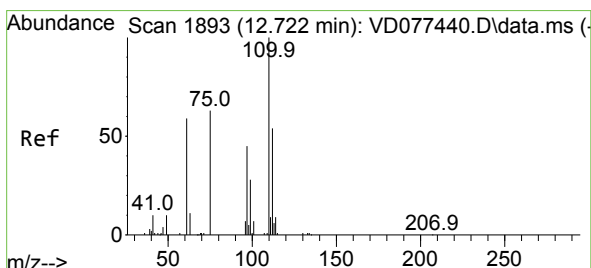
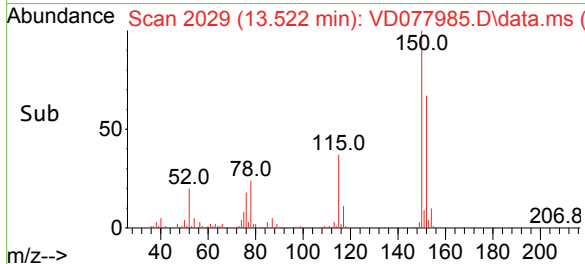
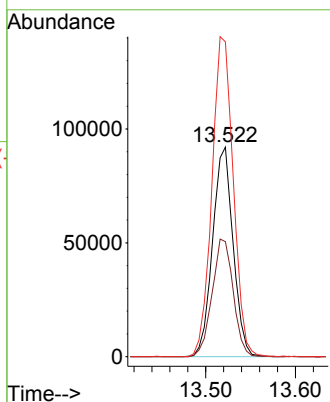
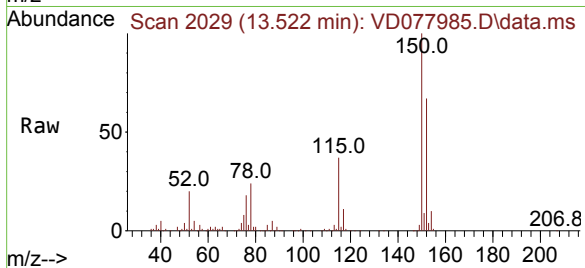
Tgt Ion:152 Resp: 146044

Ion Ratio Lower Upper

152 100

115 57.6 27.1 81.3

150 158.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.217 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077985.D

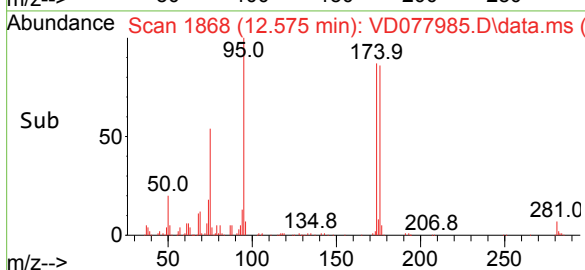
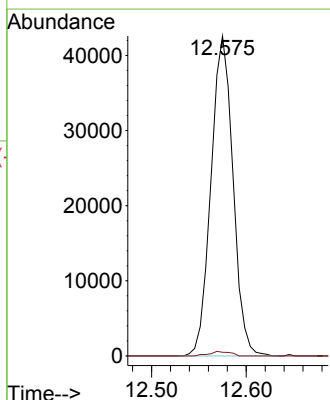
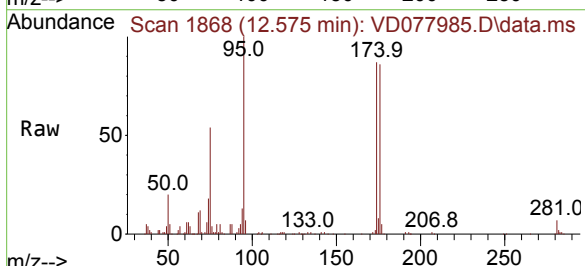
Acq: 20 Dec 2023 10:14

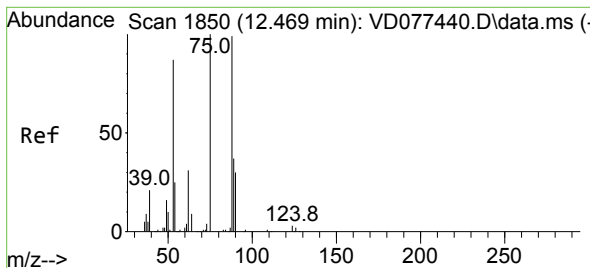
Tgt Ion: 75 Resp: 68769

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

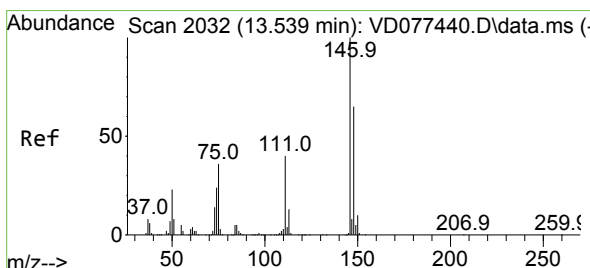
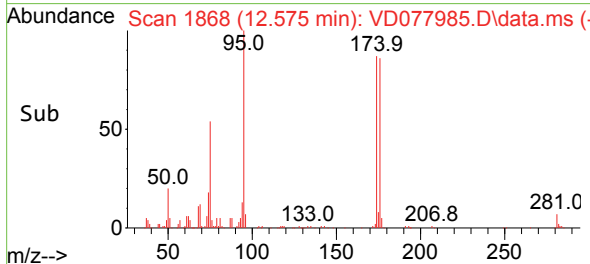
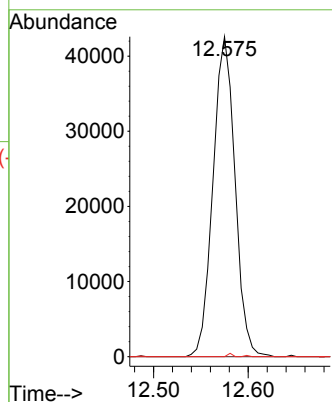
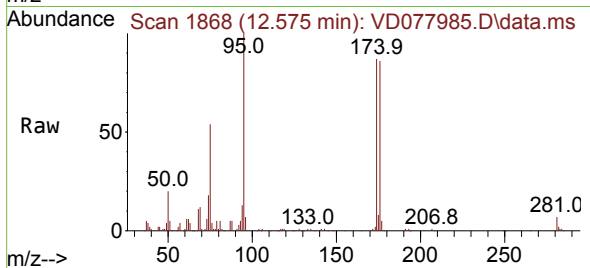




#81
trans-1,4-Dichloro-2-butene
Concen: 109.848 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 68769
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077985.D
Acq: 20 Dec 2023 10:14

Tgt Ion:146 Resp: 399
Ion Ratio Lower Upper
146 100
111 443.4 17.4 52.3#
148 260.2 31.7 95.1#

