

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077902.D
 Acq On : 15 Dec 2023 14:35
 Operator : RP/MD
 Sample : 05718-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:01:44 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)

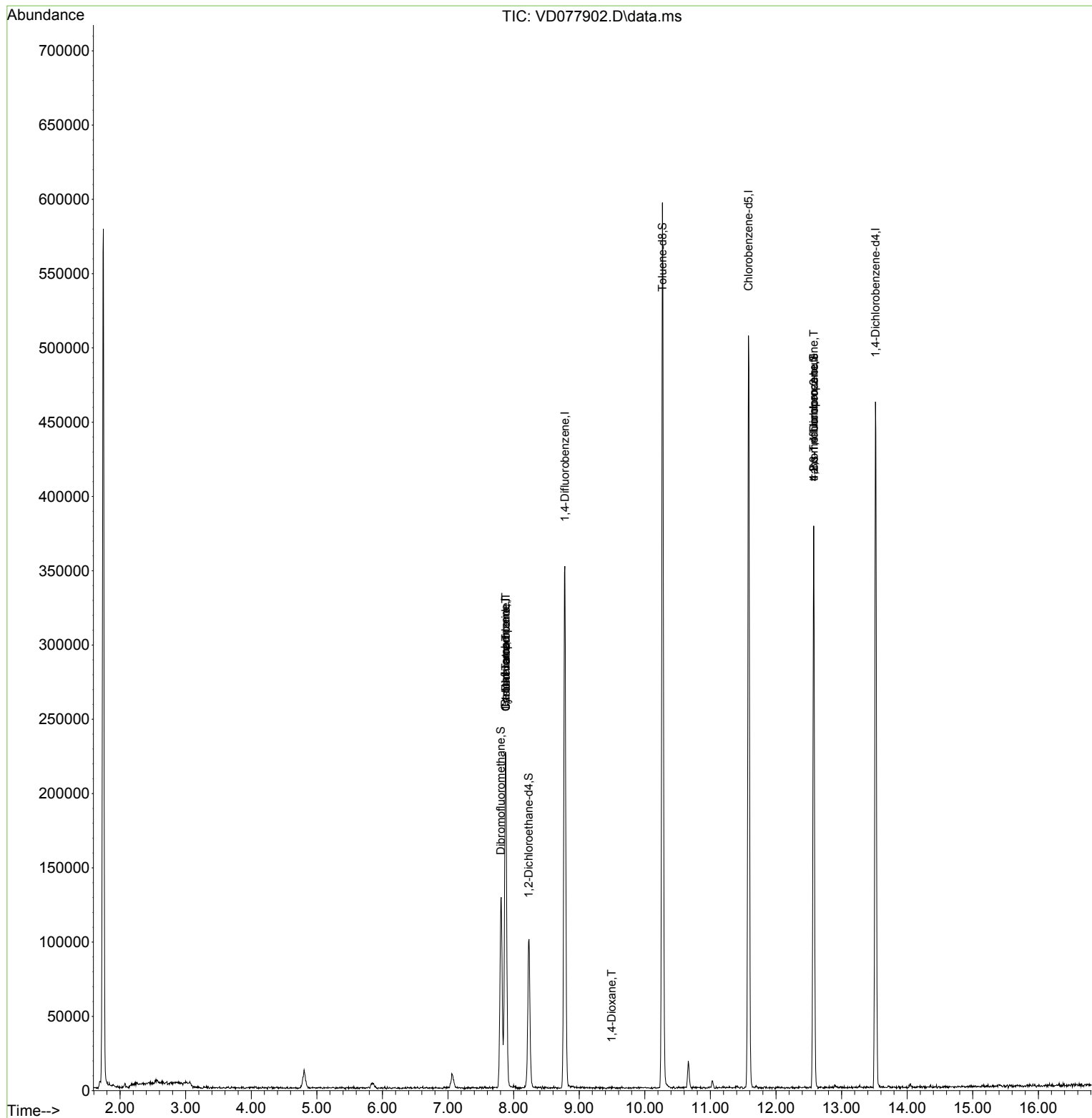
Internal Standards						
1) Pentafluorobenzene	7.875	168	172527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	318125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	298329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	125436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76858	37.806	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.620%
35) Dibromofluoromethane	7.805	113	94564	42.437	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.880%
50) Toluene-d8	10.269	98	407381	45.646	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.300%
62) 4-Bromofluorobenzene	12.575	95	109235	40.938	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	65	Below Cal	#	73
16) Acetone	4.017	43	292	Below Cal	#	32
20) Methylene Chloride	4.811	84	8595	Below Cal		96
25) 2-Butanone	7.063	43	390	Below Cal	#	37
31) Cyclohexane	7.881	56	4196	1.160	ug/l #	47
36) 1,1-Dichloropropene	7.881	75	15094	4.235	ug/l #	47
38) Carbon Tetrachloride	7.881	117	16888	4.753	ug/l #	15
49) 1,4-Dioxane	9.493	88	81	6.269	ug/l #	33
65) Chlorobenzene	11.616	112	213	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	58632	53.820	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58632	109.042	ug/l #	17
88) 1,4-Dichlorobenzene	13.551	146	76	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.316	75	78	Below Cal	#	1

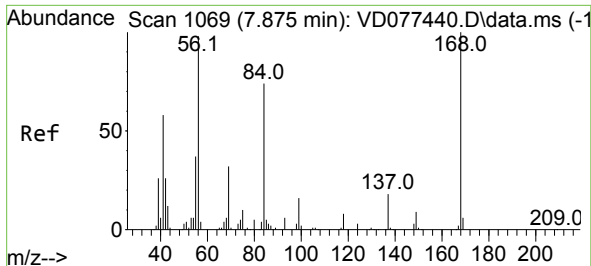
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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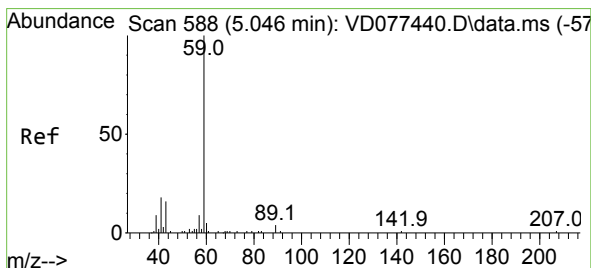
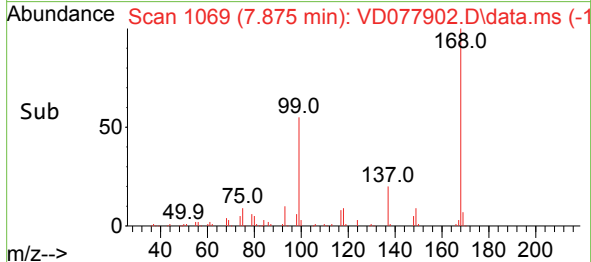
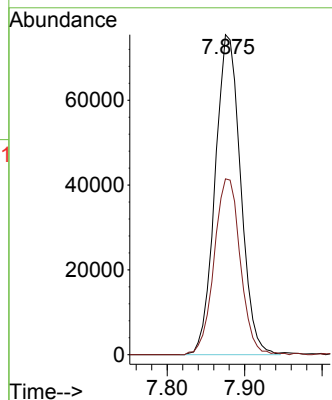
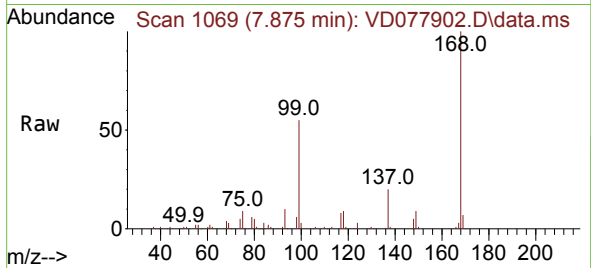




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

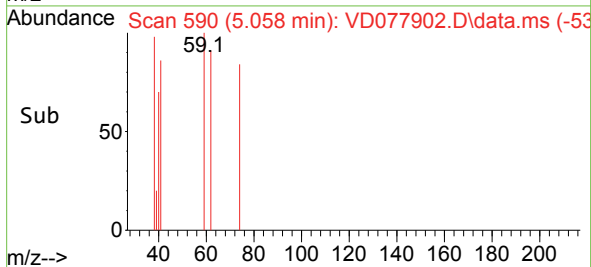
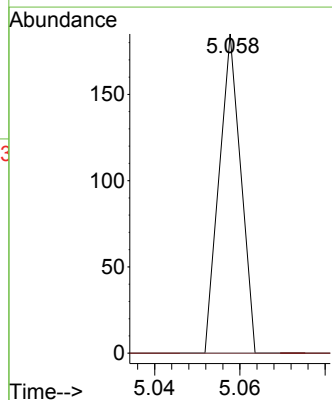
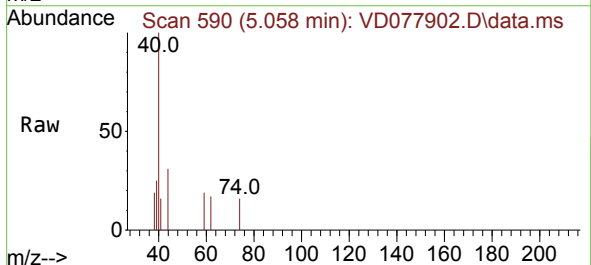
Instrument :
MSVOA_D
ClientSampleId :

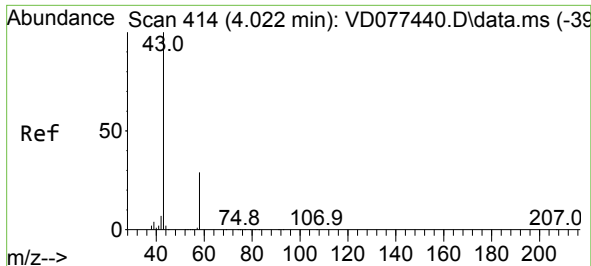
Tgt Ion:168 Resp: 172527
Ion Ratio Lower Upper
168 100
99 55.0 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

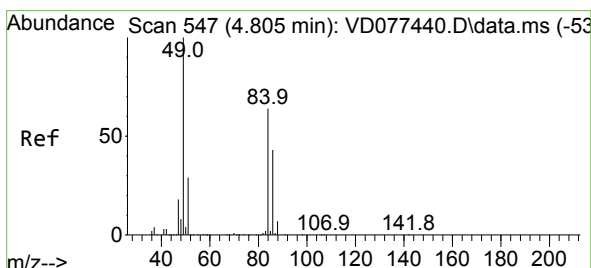
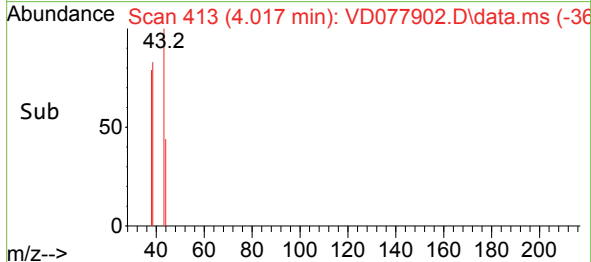
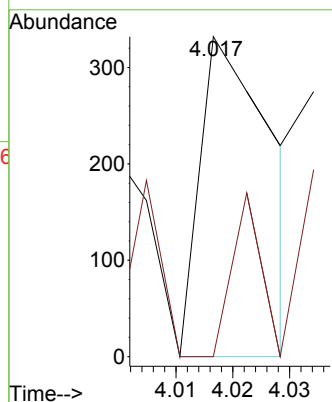
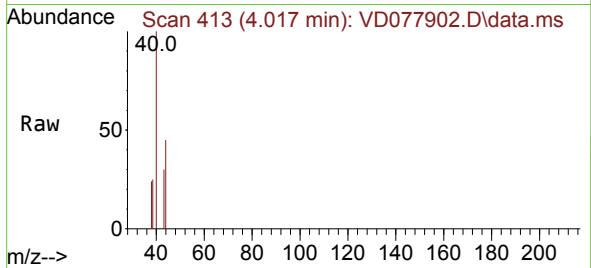




#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

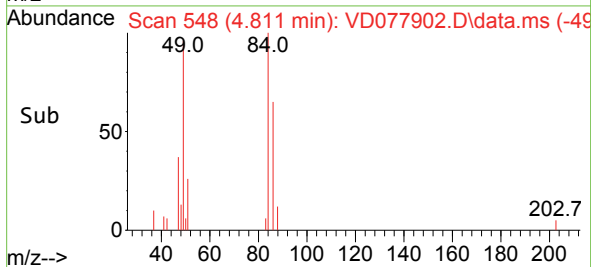
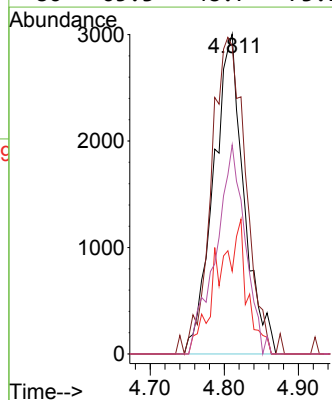
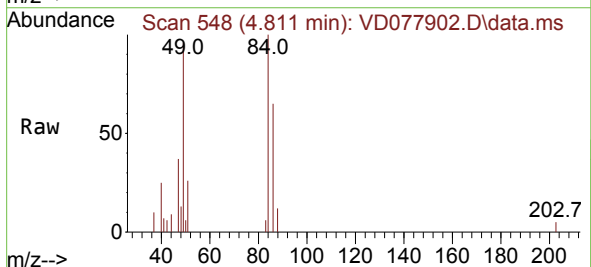
Instrument :
MSVOA_D
ClientSampleId :

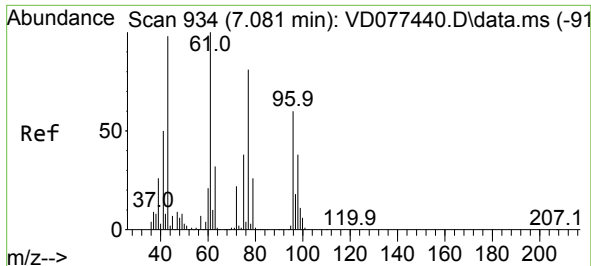
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

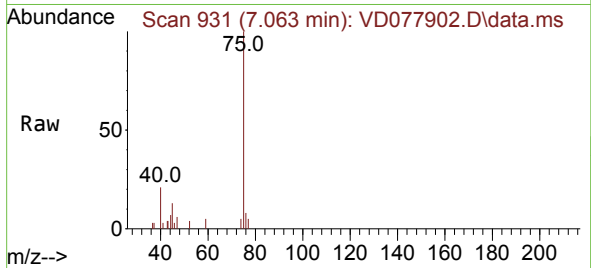
Tgt Ion: 84 Resp: 8595
Ion Ratio Lower Upper
84 100
49 90.4 71.4 107.2
51 25.8 24.5 36.7
86 65.3 48.7 73.1



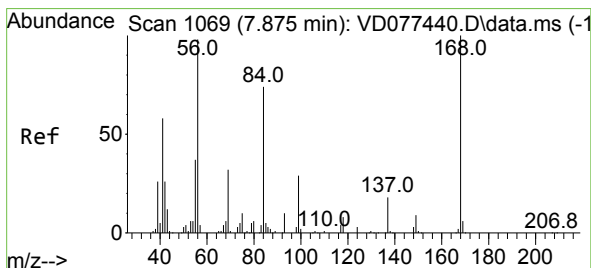
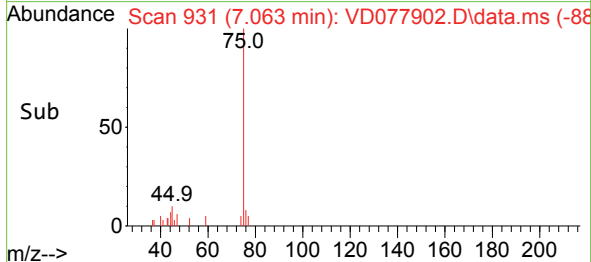
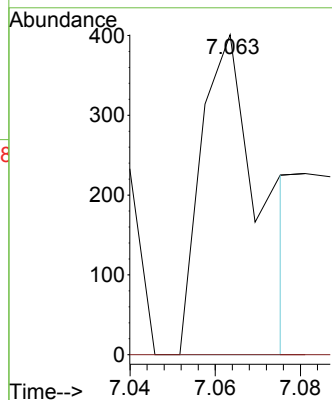


#25
2-Butanone
Concen: Below Cal
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

Instrument :
MSVOA_D
ClientSampleId :

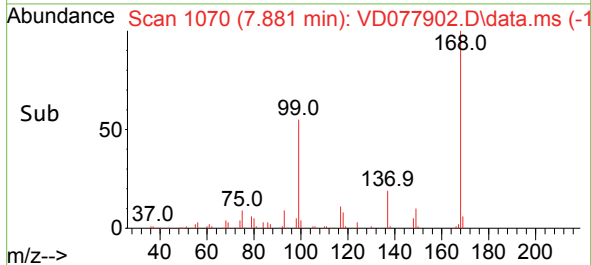
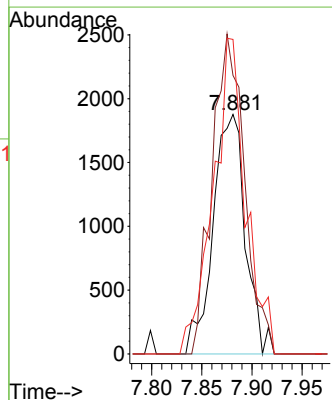
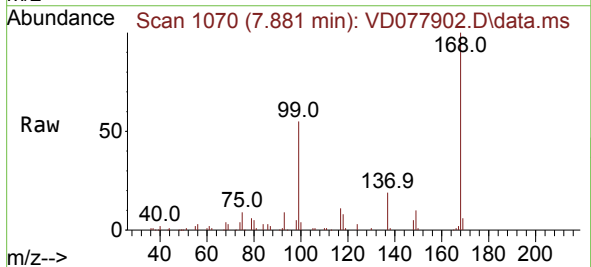


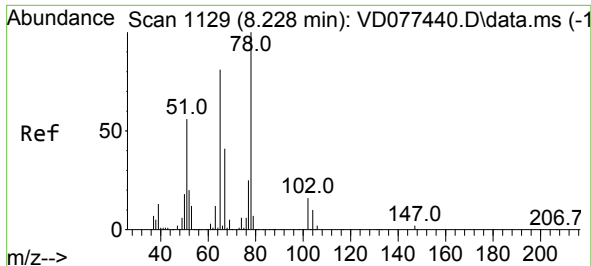
Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 116.4 28.6 43.0#
84 131.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 37.806 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

Instrument :

MSVOA_D

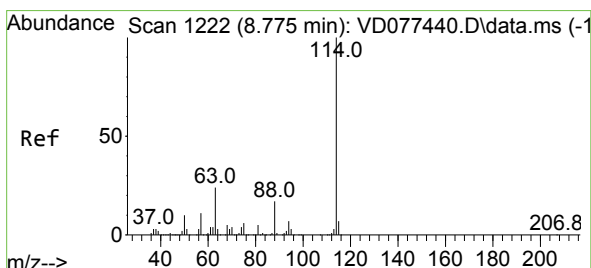
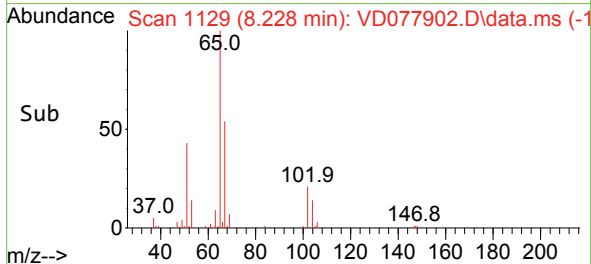
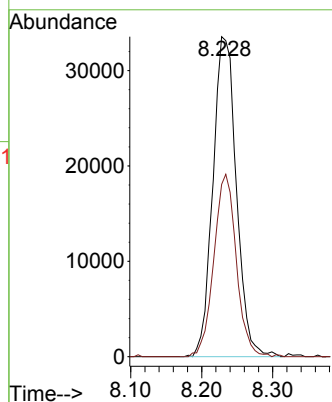
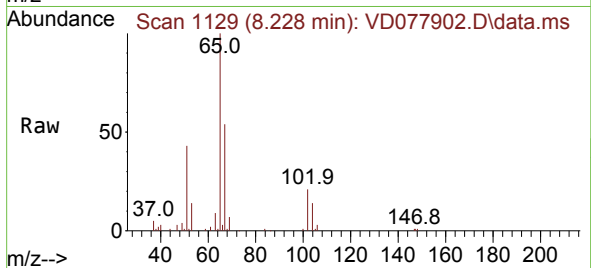
ClientSampleId :

Tgt Ion: 65 Resp: 76858

Ion Ratio Lower Upper

65 100

67 54.5 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: VD077902.D

Acq: 15 Dec 2023 14:35

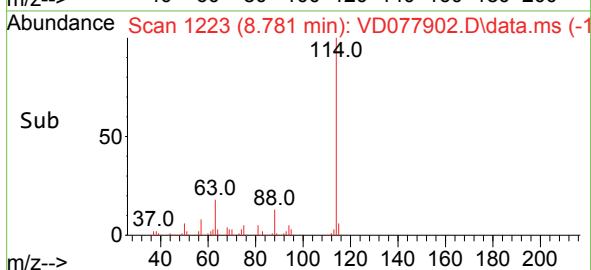
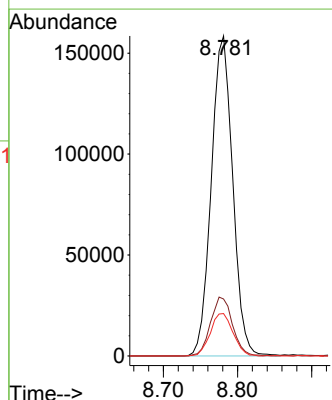
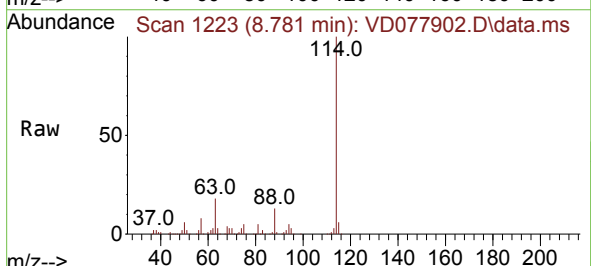
Tgt Ion: 114 Resp: 318125

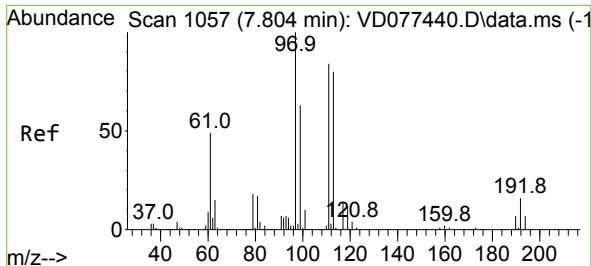
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 13.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.437 ug/l

RT: 7.805 min Scan# 1070

Delta R.T. 0.001 min

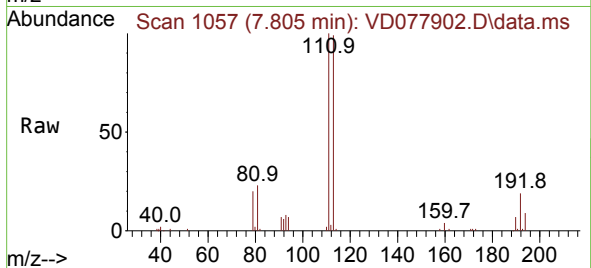
Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

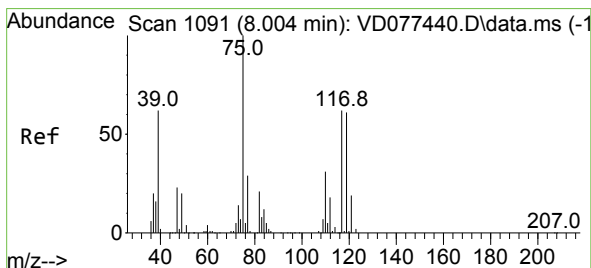
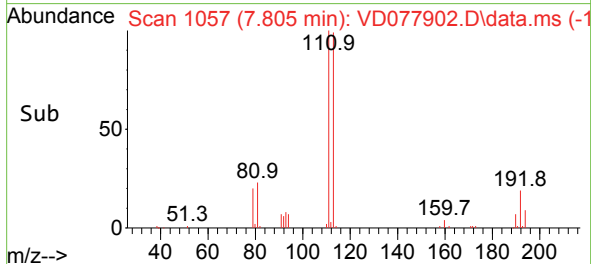
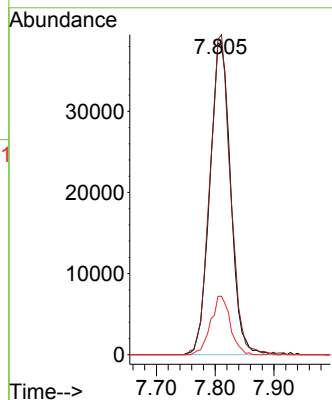
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	94564
Ion	Ratio	Lower	Upper
113	100		
111	101.3	84.7	127.1
192	17.7	16.8	25.2



#36

1,1-Dichloropropene

Concen: 4.235 ug/l

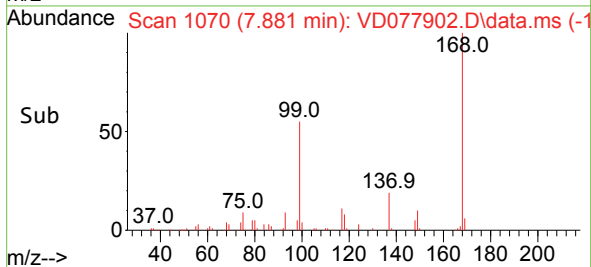
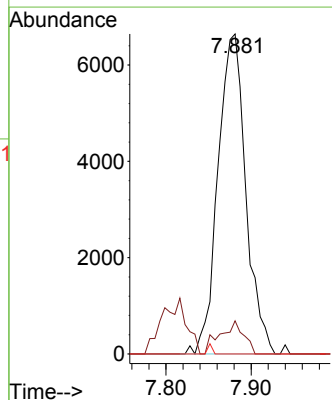
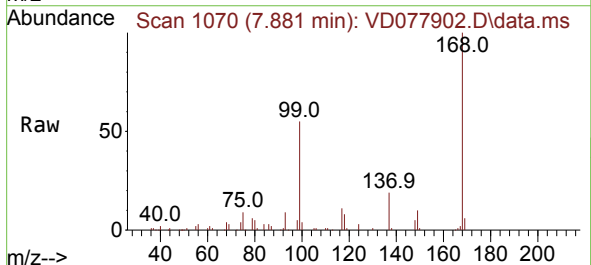
RT: 7.881 min Scan# 1070

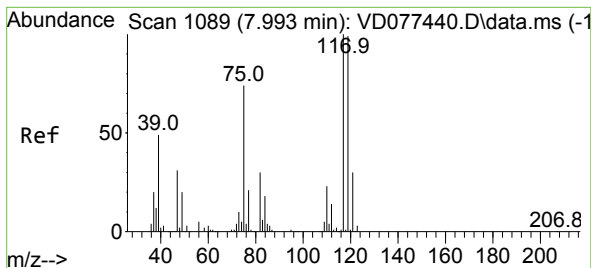
Delta R.T. -0.123 min

Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

Tgt Ion:	75	Resp:	15094
Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.9	59.6#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 4.753 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.112 min

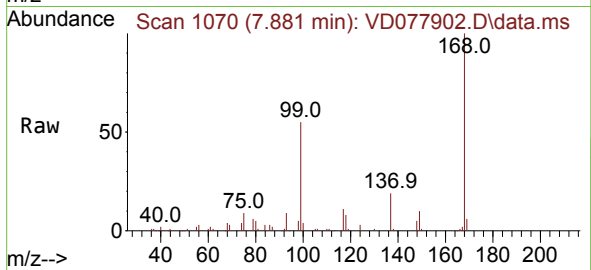
Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :



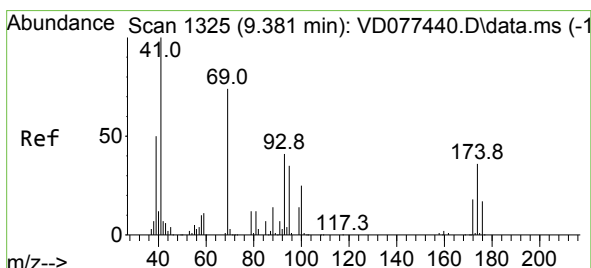
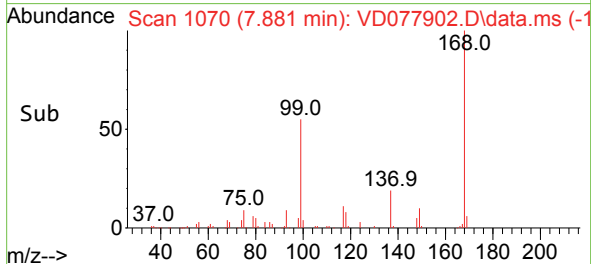
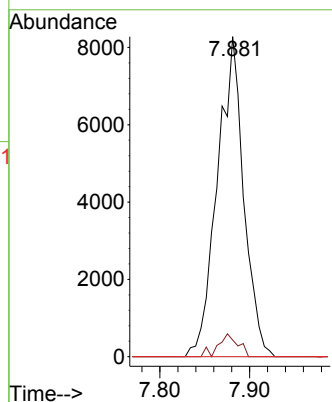
Tgt Ion:117 Resp: 16888

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 6.269 ug/l

RT: 9.493 min Scan# 1344

Delta R.T. 0.112 min

Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

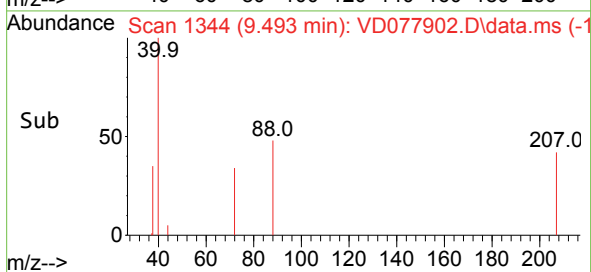
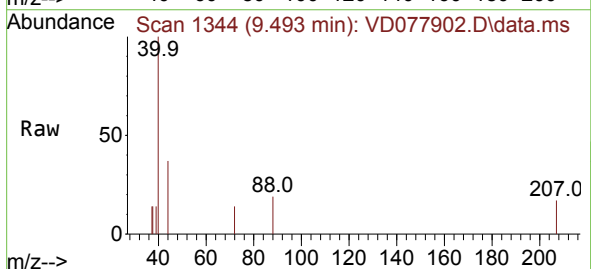
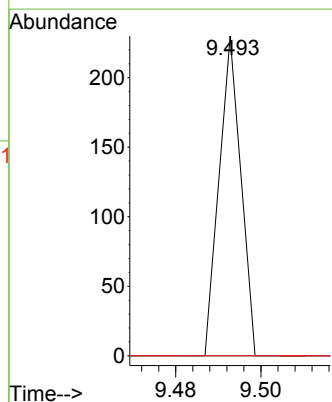
Tgt Ion: 88 Resp: 81

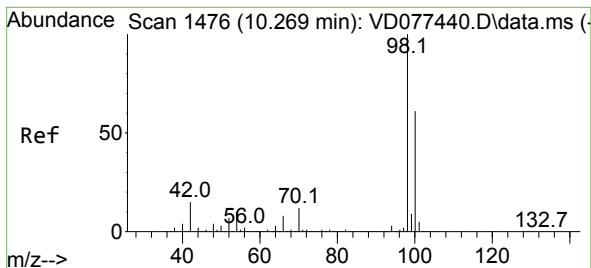
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 45.646 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

Instrument :

MSVOA_D

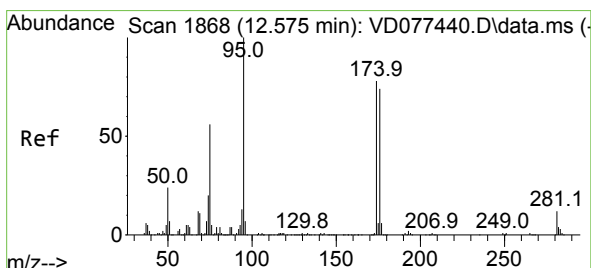
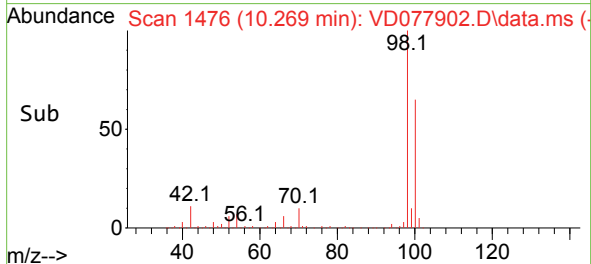
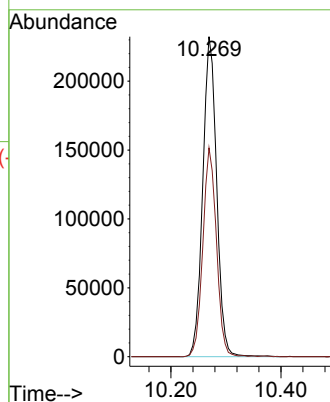
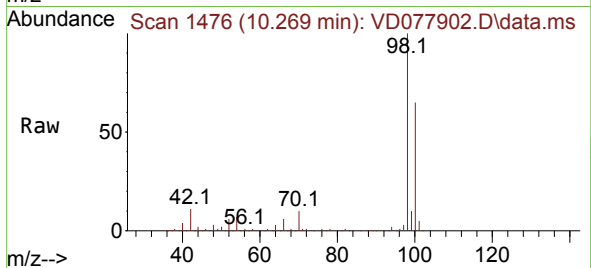
ClientSampleId :

Tgt Ion: 98 Resp: 407381

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 40.938 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077902.D

Acq: 15 Dec 2023 14:35

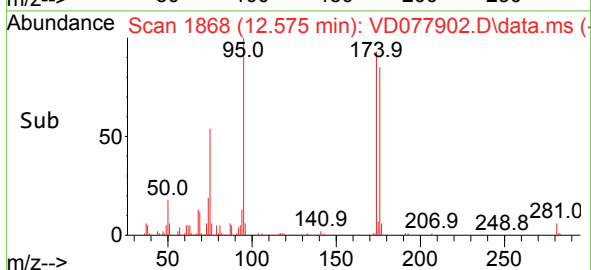
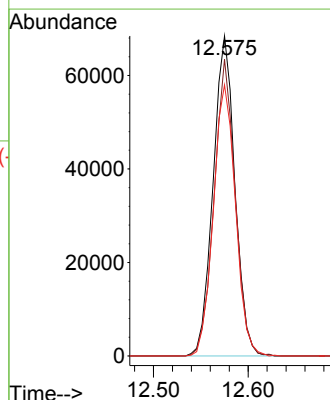
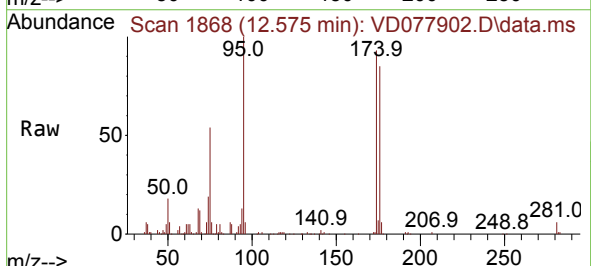
Tgt Ion: 95 Resp: 109235

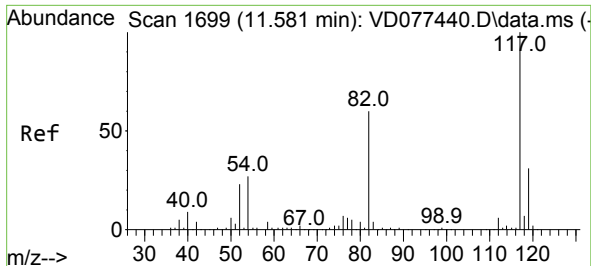
Ion Ratio Lower Upper

95 100

174 90.1 0.0 201.8

176 86.2 0.0 191.8

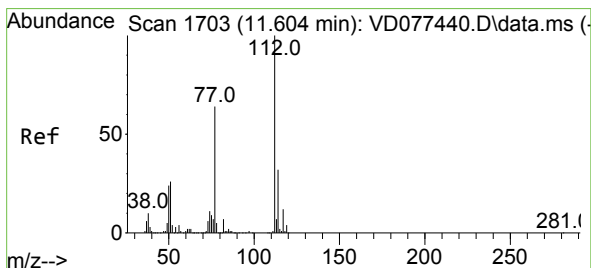
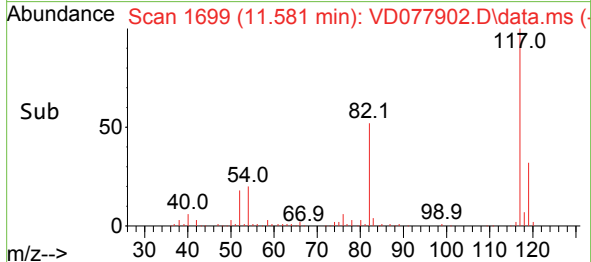
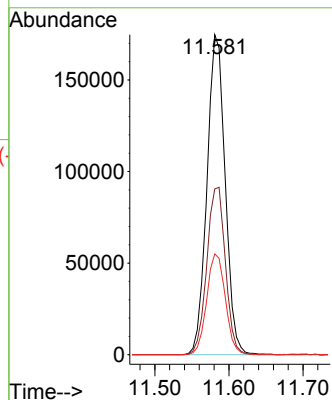
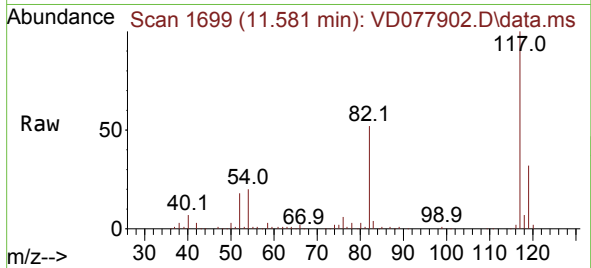




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

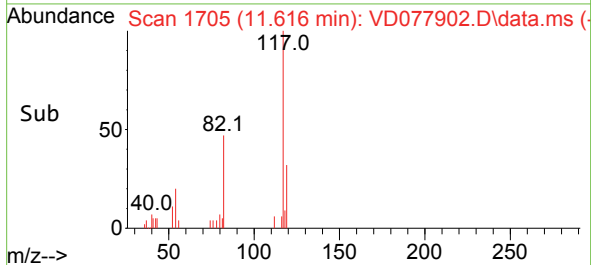
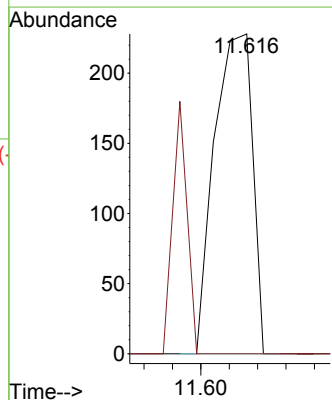
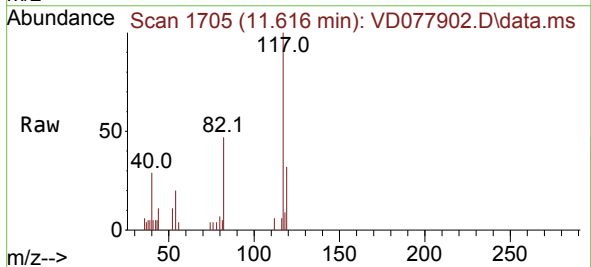
Instrument :
MSVOA_D
ClientSampleId :

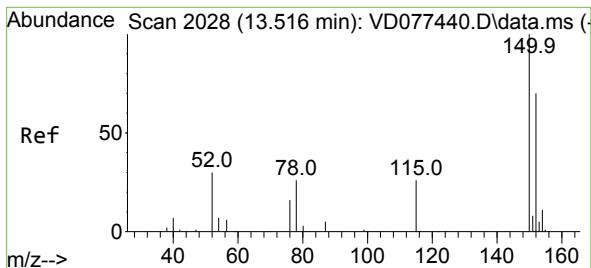
Tgt Ion:117 Resp: 298329
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 31.5 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

Tgt Ion:112 Resp: 213
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: VD077902.D

Acq: 15 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :

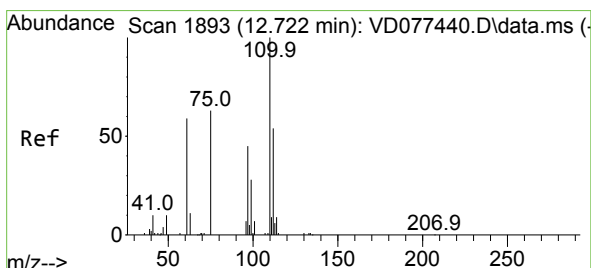
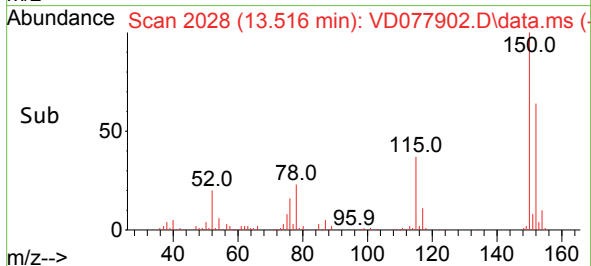
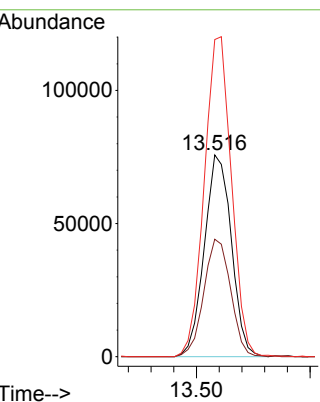
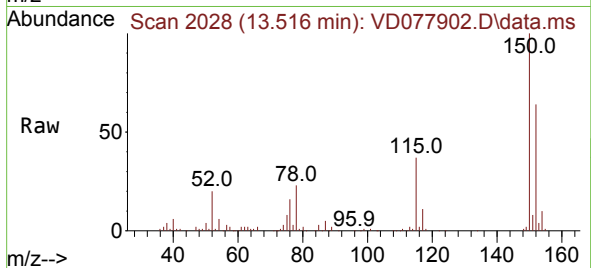
Tgt Ion:152 Resp: 125436

Ion Ratio Lower Upper

152 100

115 57.7 27.1 81.3

150 159.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.820 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077902.D

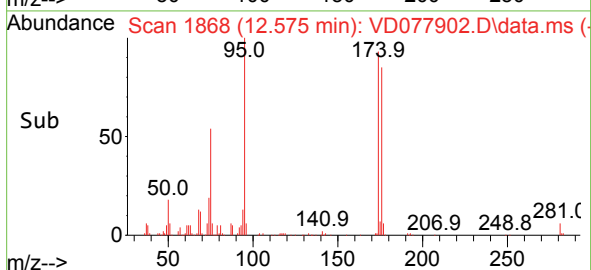
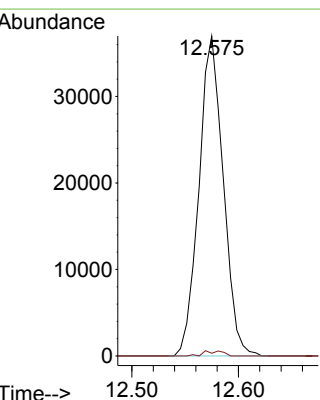
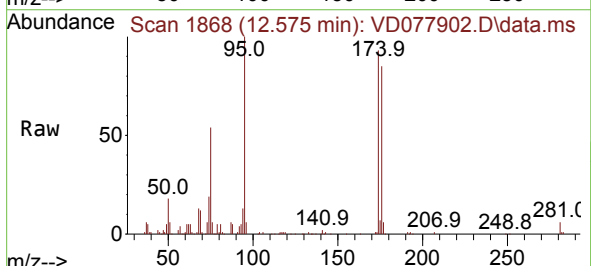
Acq: 15 Dec 2023 14:35

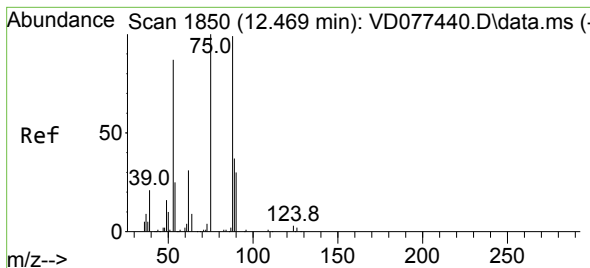
Tgt Ion: 75 Resp: 58632

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

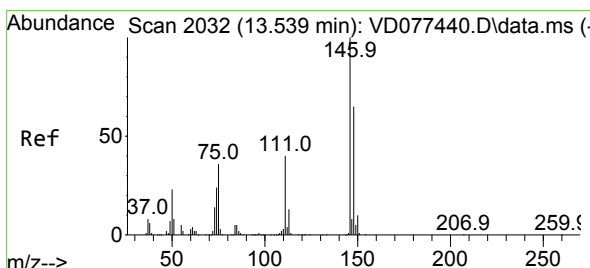
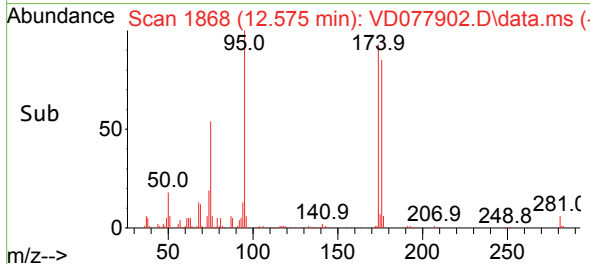
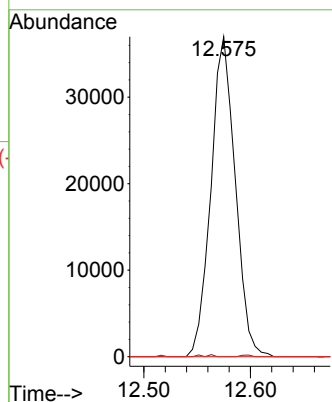
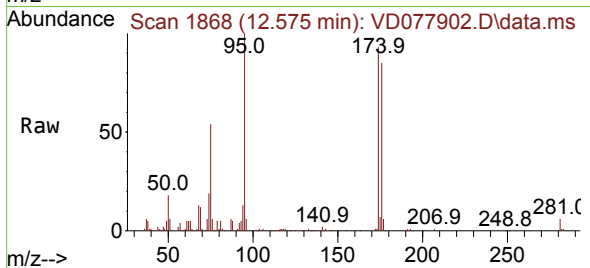




#81
trans-1,4-Dichloro-2-butene
Concen: 109.042 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 58632
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: 13.551 min Scan# 2034
Delta R.T. 0.012 min
Lab File: VD077902.D
Acq: 15 Dec 2023 14:35

Tgt Ion: 146 Resp: 76
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

