

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077237.D
 Acq On : 28 Sep 2023 18:45
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 29 02:21:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	283899	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	626631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	816047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	440505	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	135364	47.245	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.500%
35) Dibromofluoromethane	7.804	113	191489	43.995	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.980%
50) Toluene-d8	10.269	98	836485	53.993	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.575	95	369355	76.920	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	153.840%#

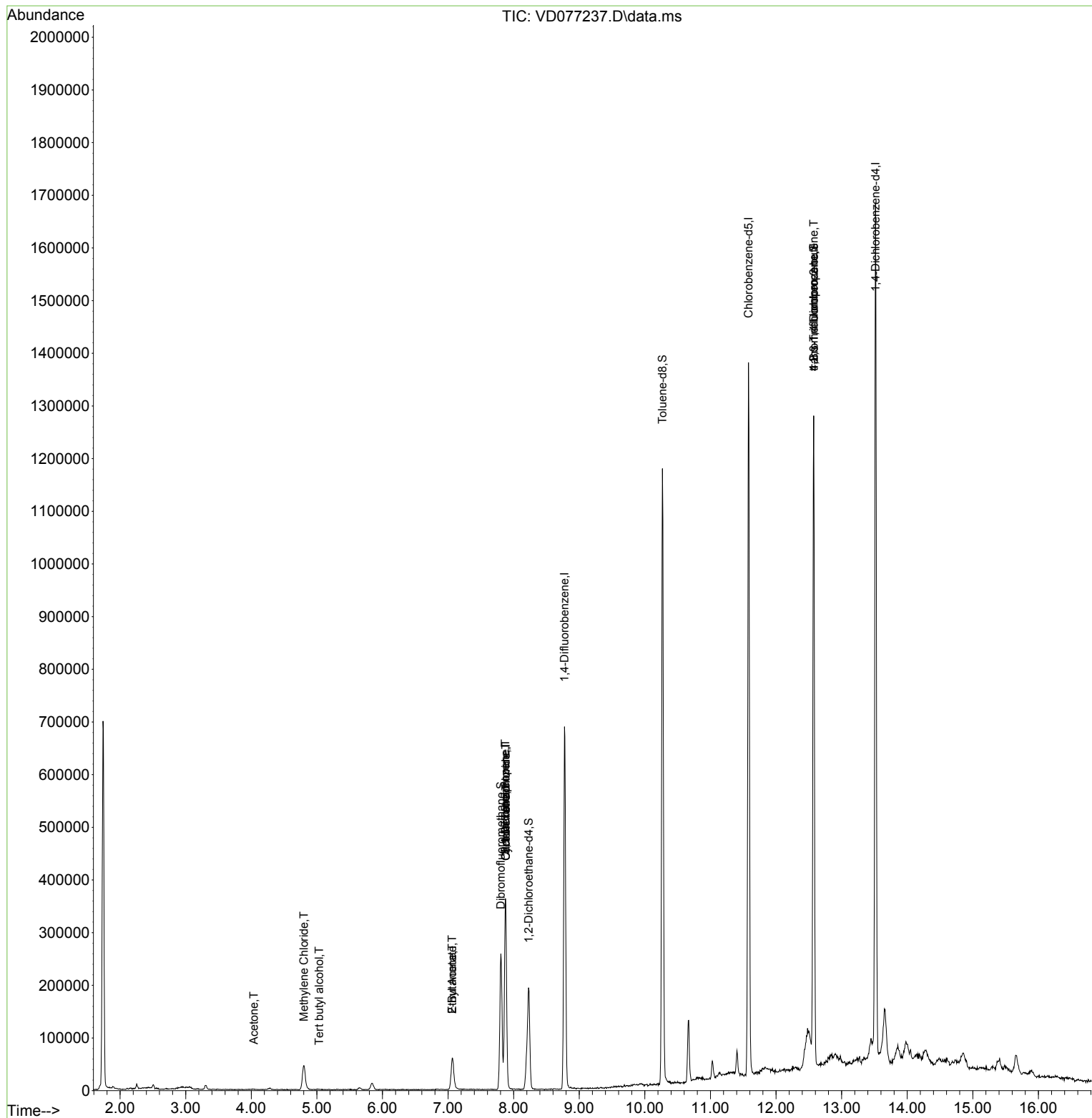
Target Compounds						Qvalue
11) Tert butyl alcohol	5.034	59	268	1.641	ug/l	# 73
16) Acetone	4.040	43	1090	1.665	ug/l	# 32
20) Methylene Chloride	4.804	84	36022	2.496	ug/l	95
25) 2-Butanone	7.063	43	2993	3.474	ug/l	# 37
31) Cyclohexane	7.881	56	5815	1.160	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	21632	3.300	ug/l	# 47
37) Ethyl Acetate	7.063	43	2993	1.190	ug/l	# 1
38) Carbon Tetrachloride	7.881	117	28224	4.381	ug/l	# 14
76) 1,2,3-Trichloropropane	12.575	75	193071	54.947	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	193071	104.003	ug/l	# 18

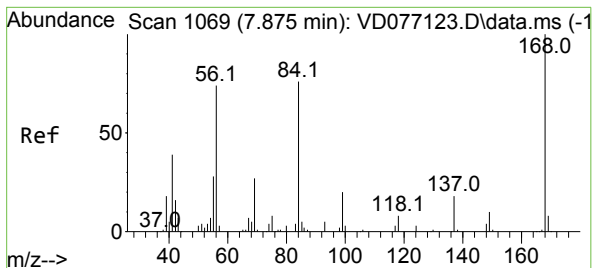
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077237.D

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Instrument :

MSVOA_D

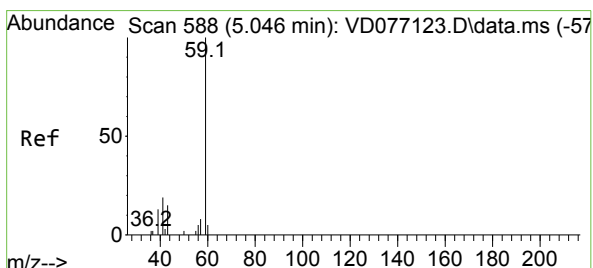
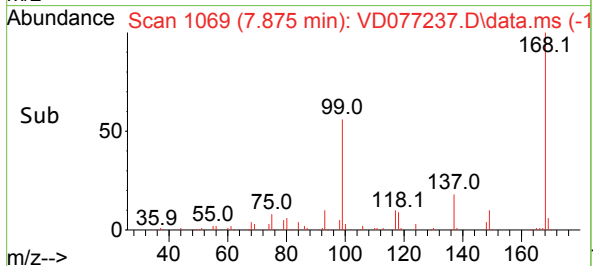
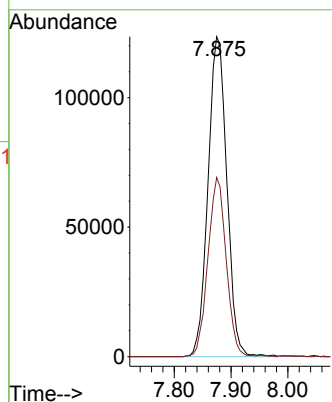
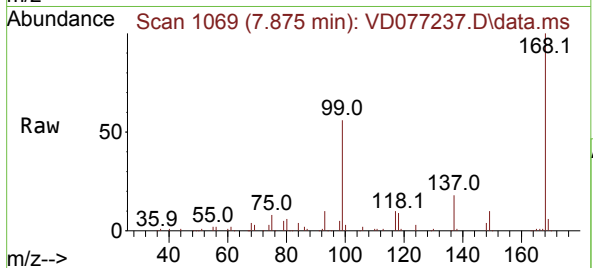
ClientSampleId :

Tgt Ion:168 Resp: 283899

Ion Ratio Lower Upper

168 100

99 56.0 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.641 ug/l

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD077237.D

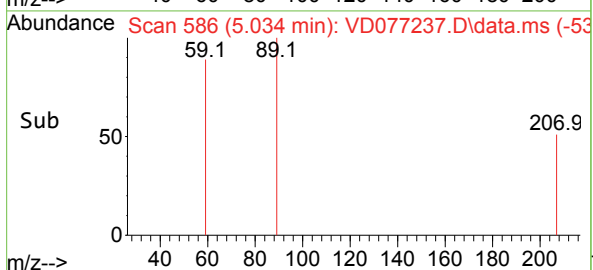
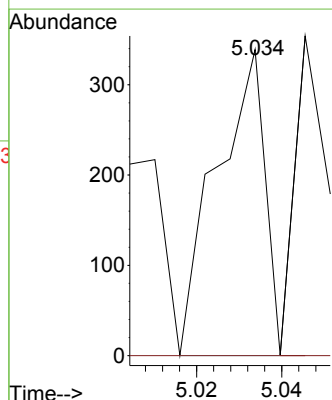
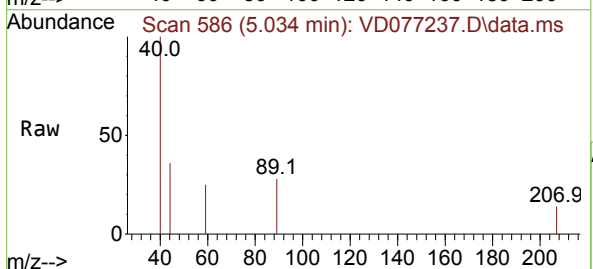
Acq: 28 Sep 2023 18:45

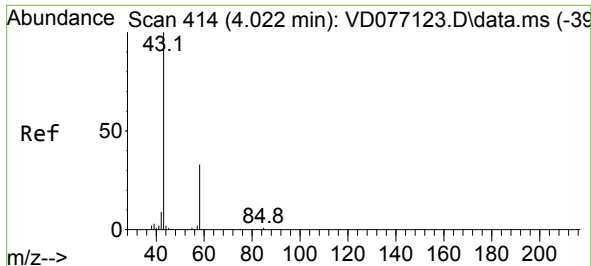
Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 1.665 ug/l

RT: 4.040 min Scan# 41

Delta R.T. 0.017 min

Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

Instrument :

MSVOA_D

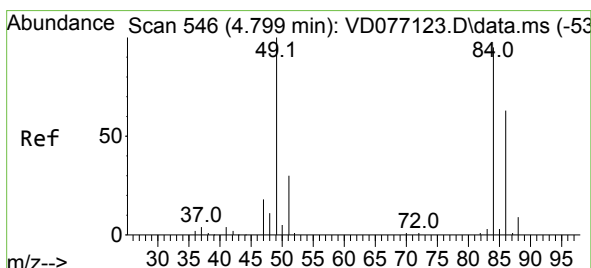
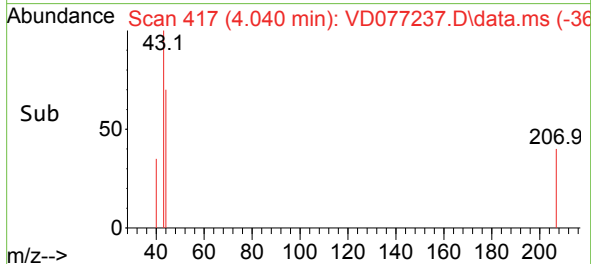
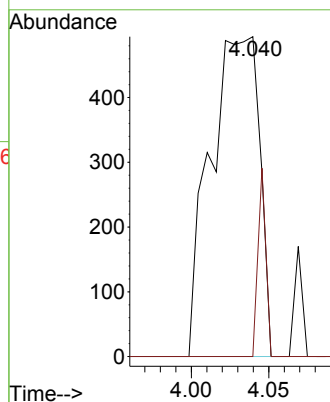
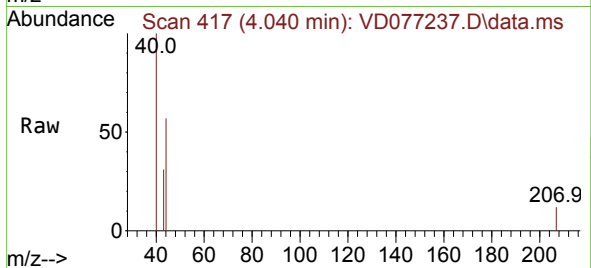
ClientSampleId :

Tgt Ion: 43 Resp: 1090

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: 2.496 ug/l

RT: 4.804 min Scan# 547

Delta R.T. 0.005 min

Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

Tgt Ion: 84 Resp: 36022

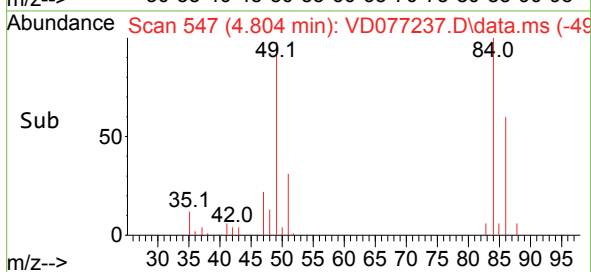
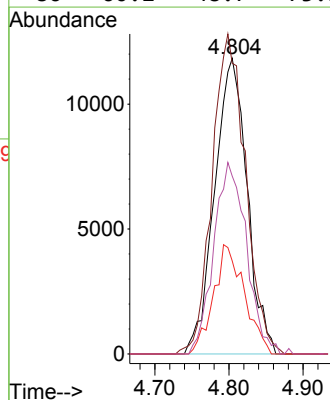
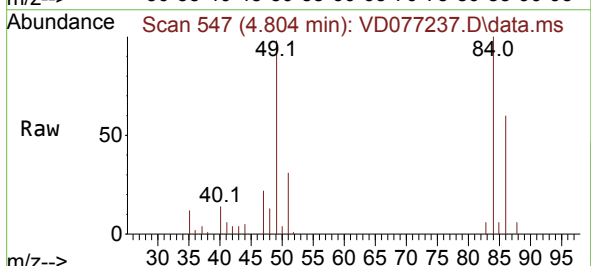
Ion Ratio Lower Upper

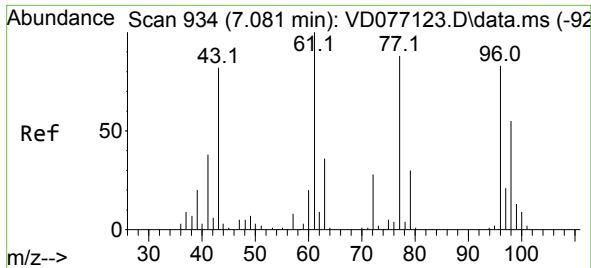
84 100

49 97.1 71.4 107.2

51 31.5 24.5 36.7

86 60.2 48.7 73.1

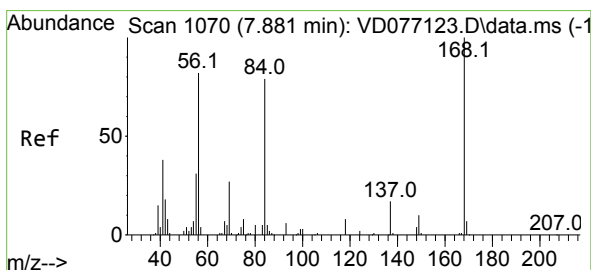
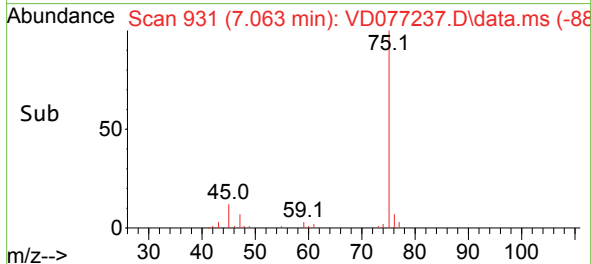
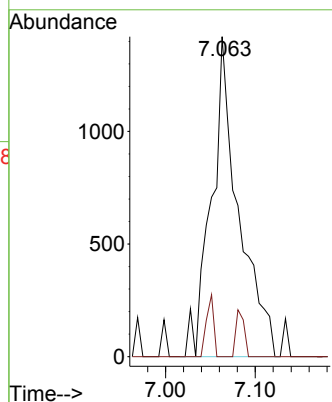
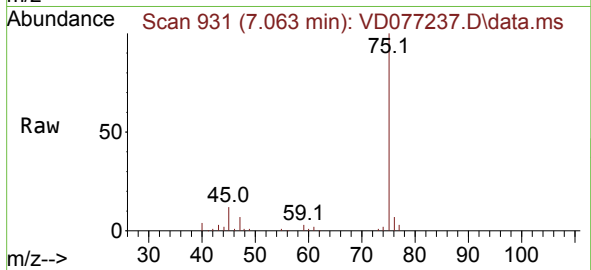




#25
2-Butanone
Concen: 3.474 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

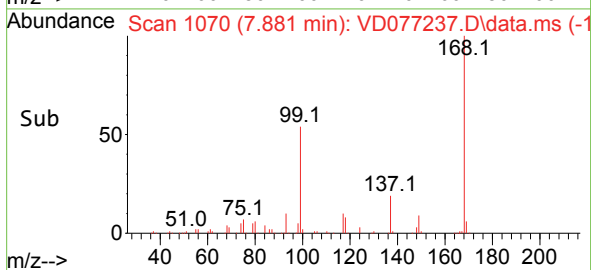
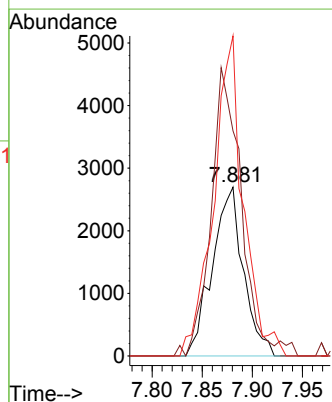
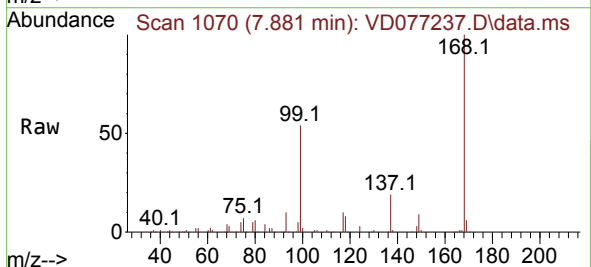
Instrument :
MSVOA_D
ClientSampleId :

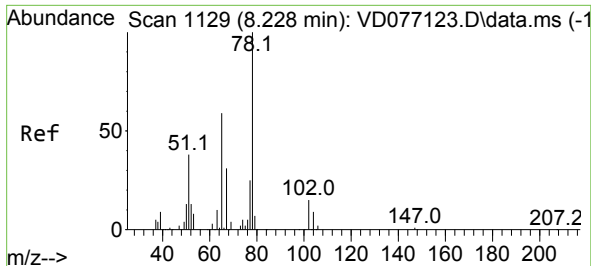
Tgt Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

Tgt Ion: 56 Resp: 5815
Ion Ratio Lower Upper
56 100
69 127.1 28.6 43.0#
84 189.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 47.245 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

Instrument :

MSVOA_D

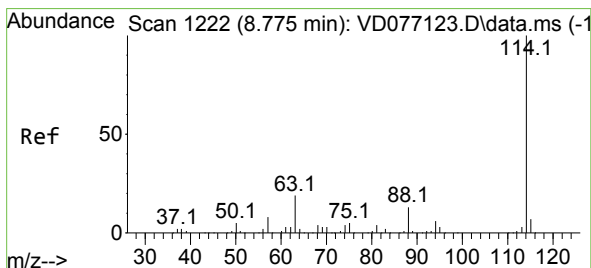
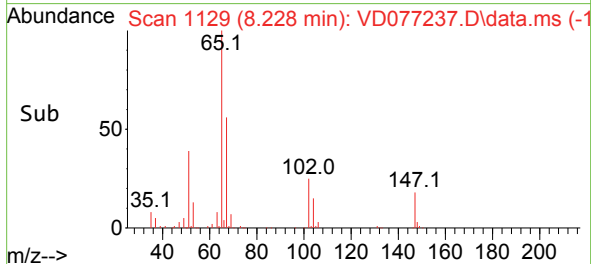
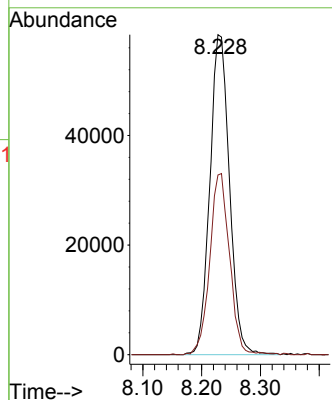
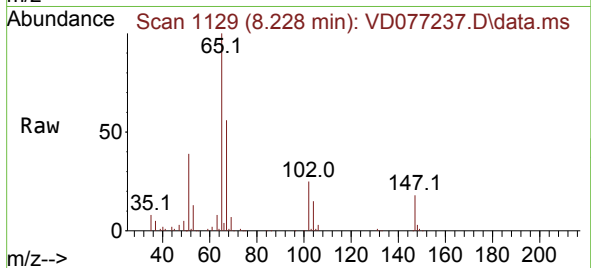
ClientSampleId :

Tgt Ion: 65 Resp: 135364

Ion Ratio Lower Upper

65 100

67 57.1 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: VD077237.D

Acq: 28 Sep 2023 18:45

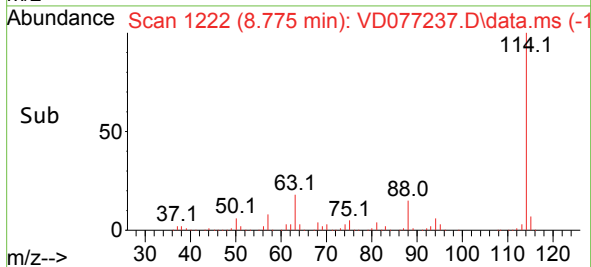
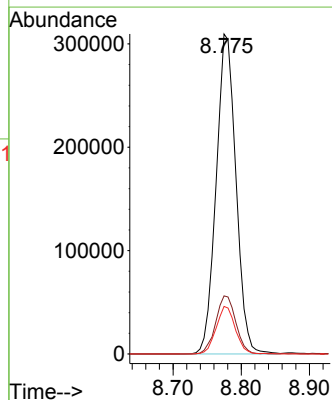
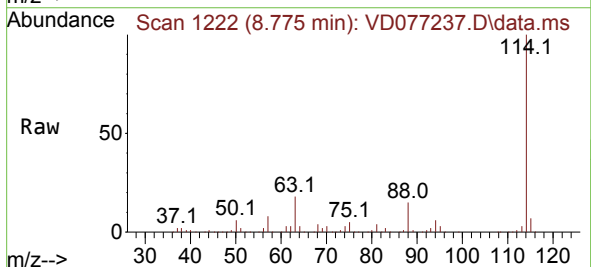
Tgt Ion: 114 Resp: 626631

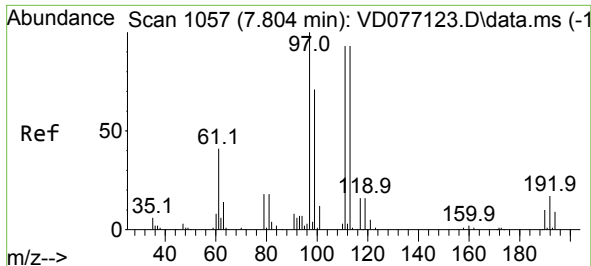
Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 14.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 43.995 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

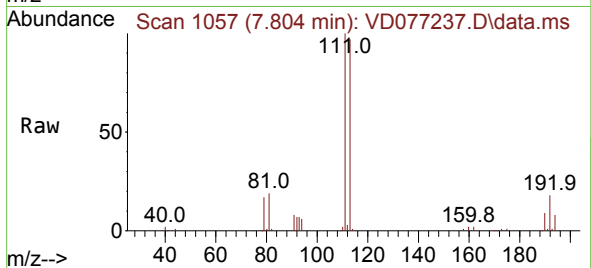
Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

Instrument :

MSVOA_D

ClientSampleId :



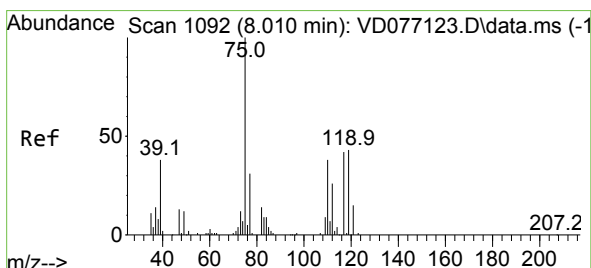
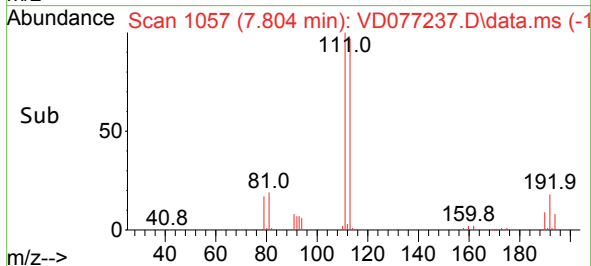
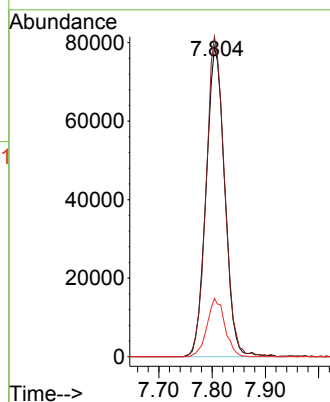
Tgt Ion:113 Resp: 191489

Ion Ratio Lower Upper

113 100

111 102.0 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.300 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

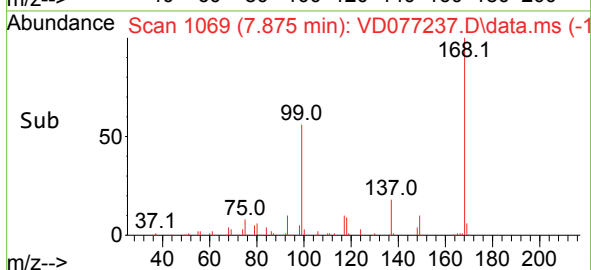
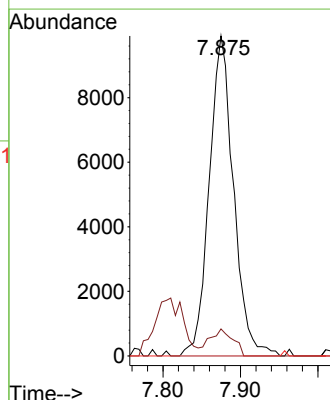
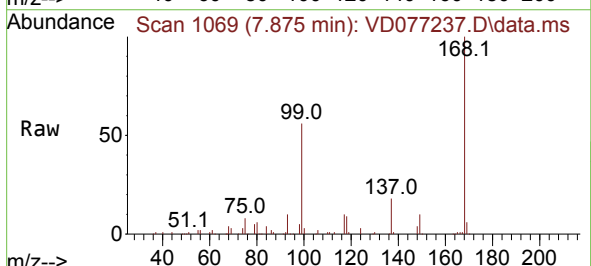
Tgt Ion: 75 Resp: 21632

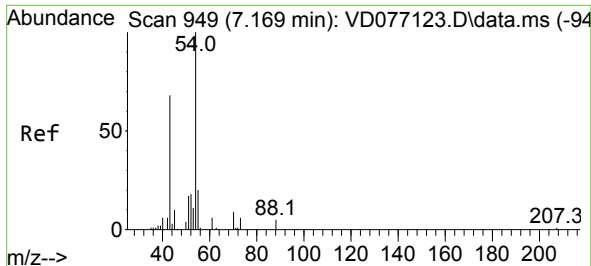
Ion Ratio Lower Upper

75 100

110 8.1 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.190 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.106 min

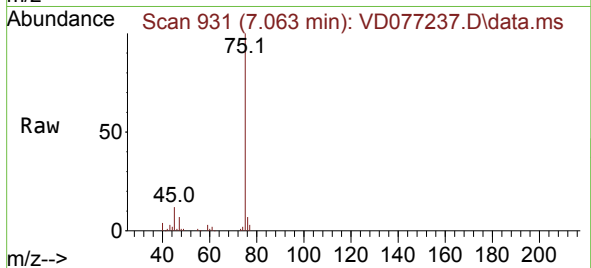
Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

Instrument :

MSVOA_D

ClientSampleId :



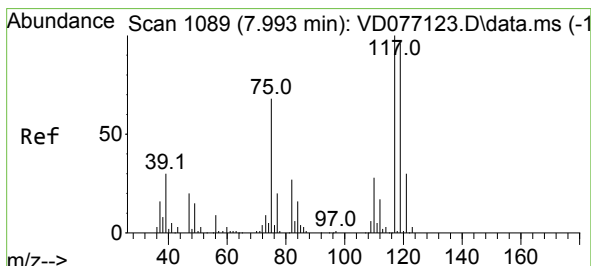
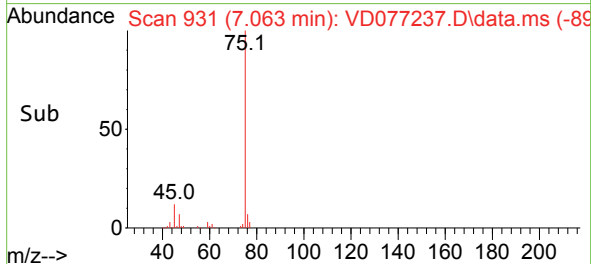
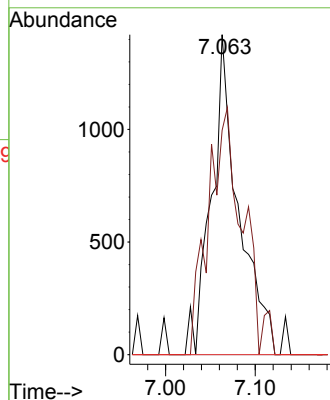
Tgt Ion: 43 Resp: 2993

Ion Ratio Lower Upper

43 100

61 98.3 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 4.381 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077237.D

Acq: 28 Sep 2023 18:45

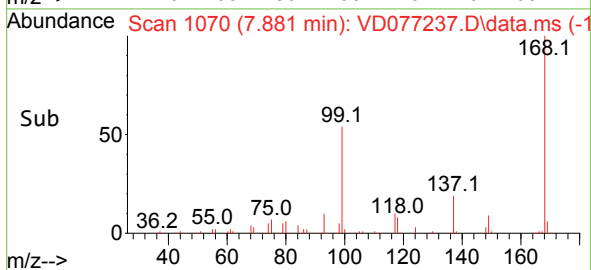
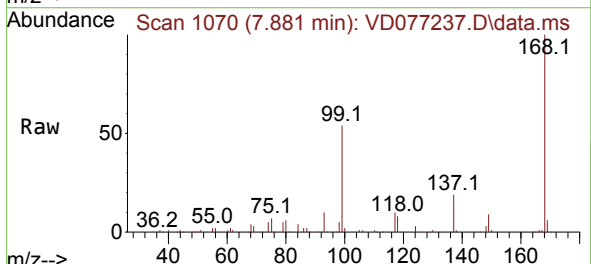
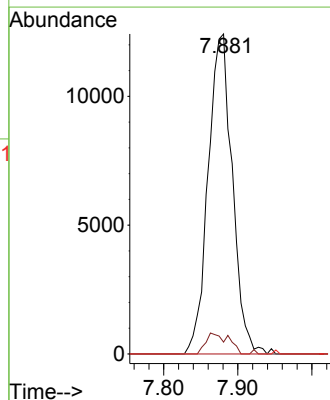
Tgt Ion: 117 Resp: 28224

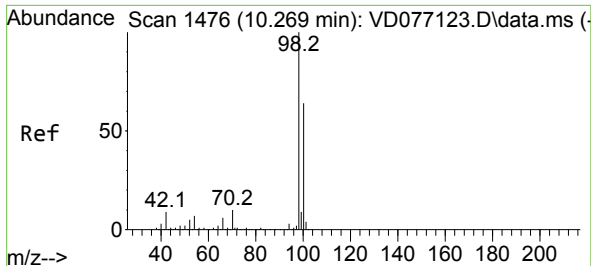
Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

121 0.0 24.2 36.2#

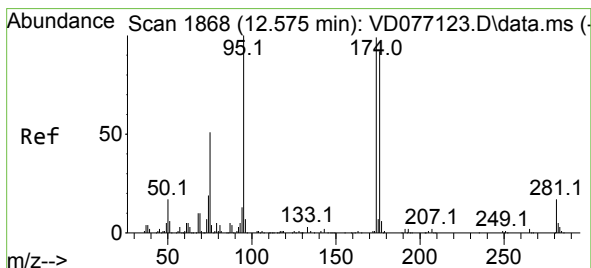
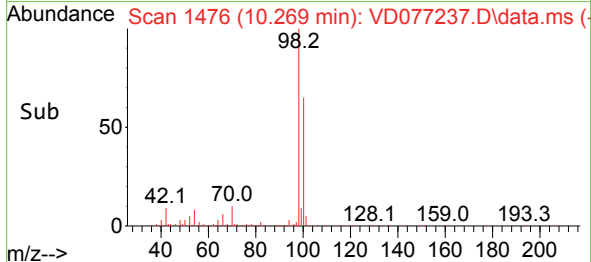
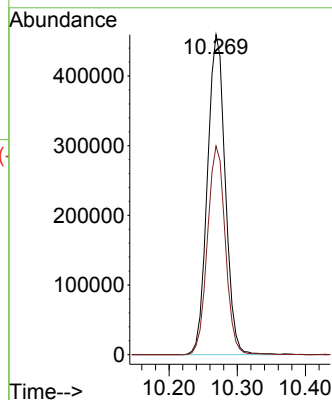
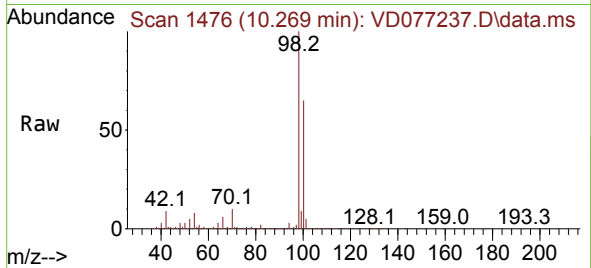




#50
Toluene-d8
Concen: 53.993 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

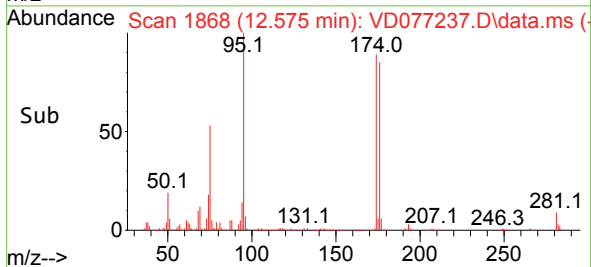
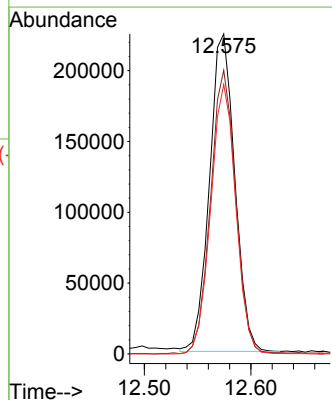
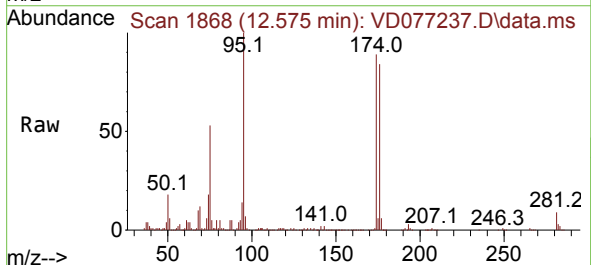
Instrument :
MSVOA_D
ClientSampleId :

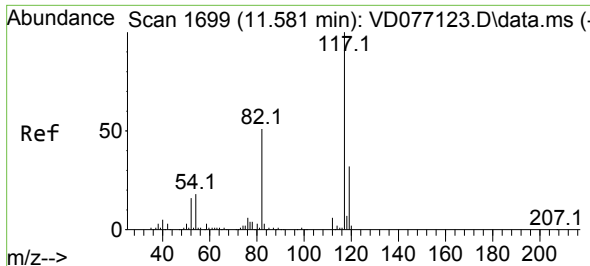
Tgt Ion: 98 Resp: 836485
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 76.920 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

Tgt Ion: 95 Resp: 369355
Ion Ratio Lower Upper
95 100
174 89.1 0.0 201.8
176 84.4 0.0 191.8

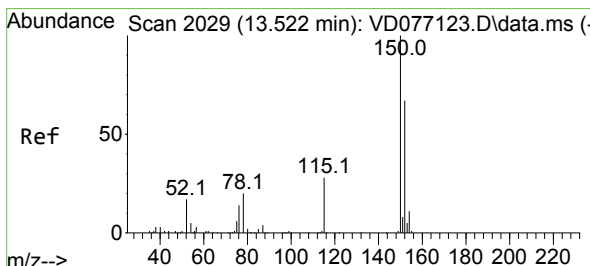
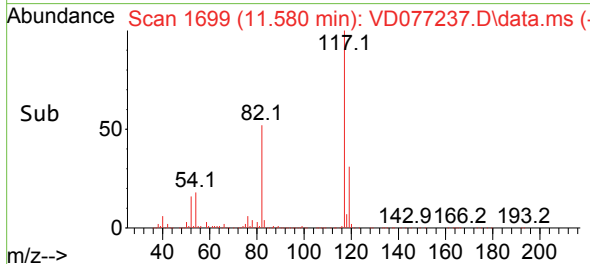
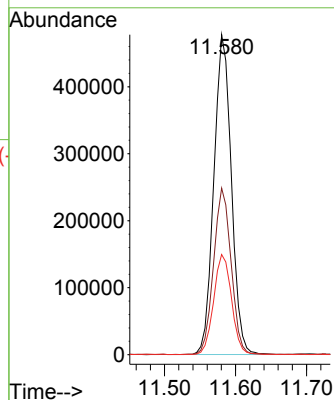
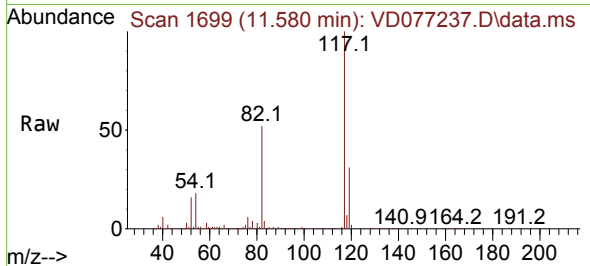




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

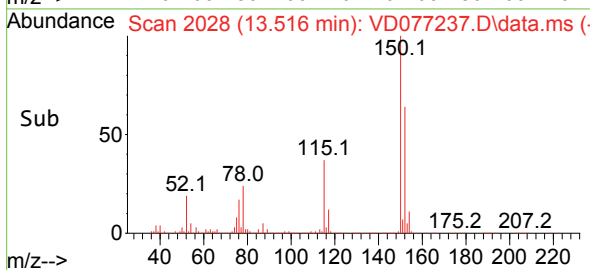
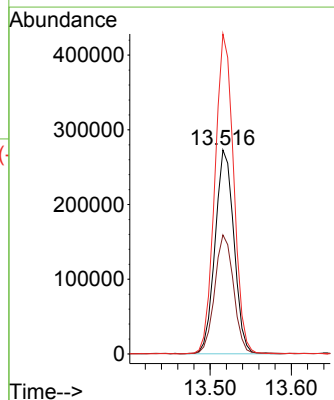
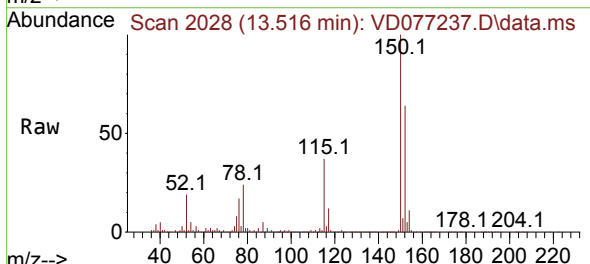
Instrument :
MSVOA_D
ClientSampleId :

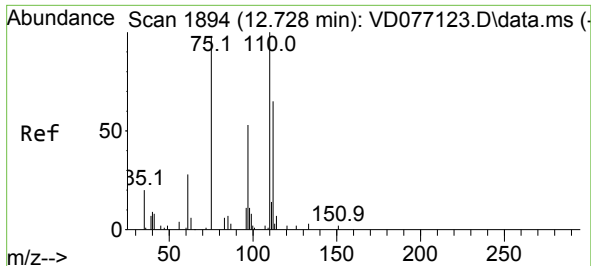
Tgt Ion:117 Resp: 816047
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 31.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

Tgt Ion:152 Resp: 440505
Ion Ratio Lower Upper
152 100
115 58.6 27.1 81.3
150 156.1 0.0 353.6

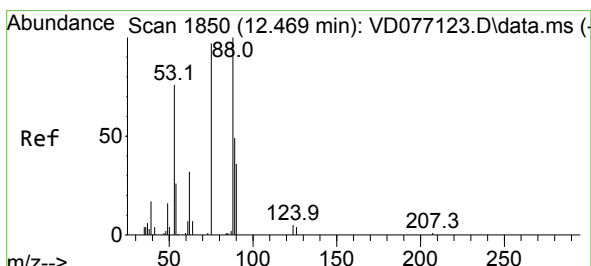
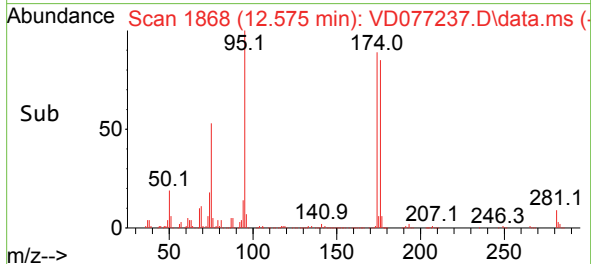
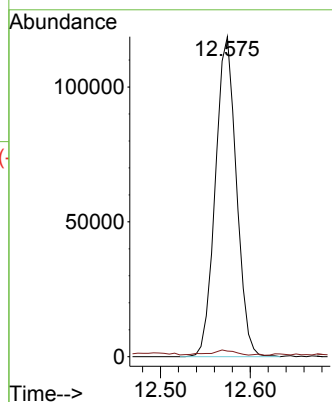
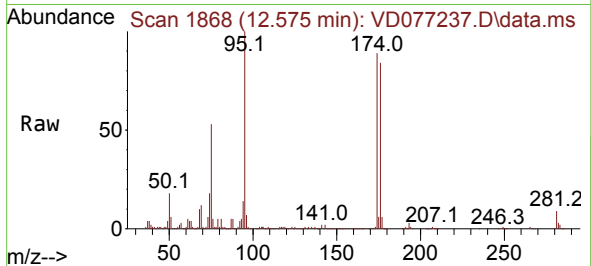




#76
1,2,3-Trichloropropane
Concen: 54.947 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 193071
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.003 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077237.D
Acq: 28 Sep 2023 18:45

Tgt Ion: 75 Resp: 193071
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.2 37.9 56.9#

