

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076774.D
 Acq On : 18 Jul 2023 13:24
 Operator : KP/SY
 Sample : 03652-01
 Misc : 5.64G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP19

Quant Time: Jul 19 06:42:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	140119	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	335716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	139505	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	94073	67.405	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.820%
35) Dibromofluoromethane	7.804	113	112814	53.475	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.940%
50) Toluene-d8	10.269	98	419405	55.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.140%
62) 4-Bromofluorobenzene	12.575	95	120596	49.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.780%

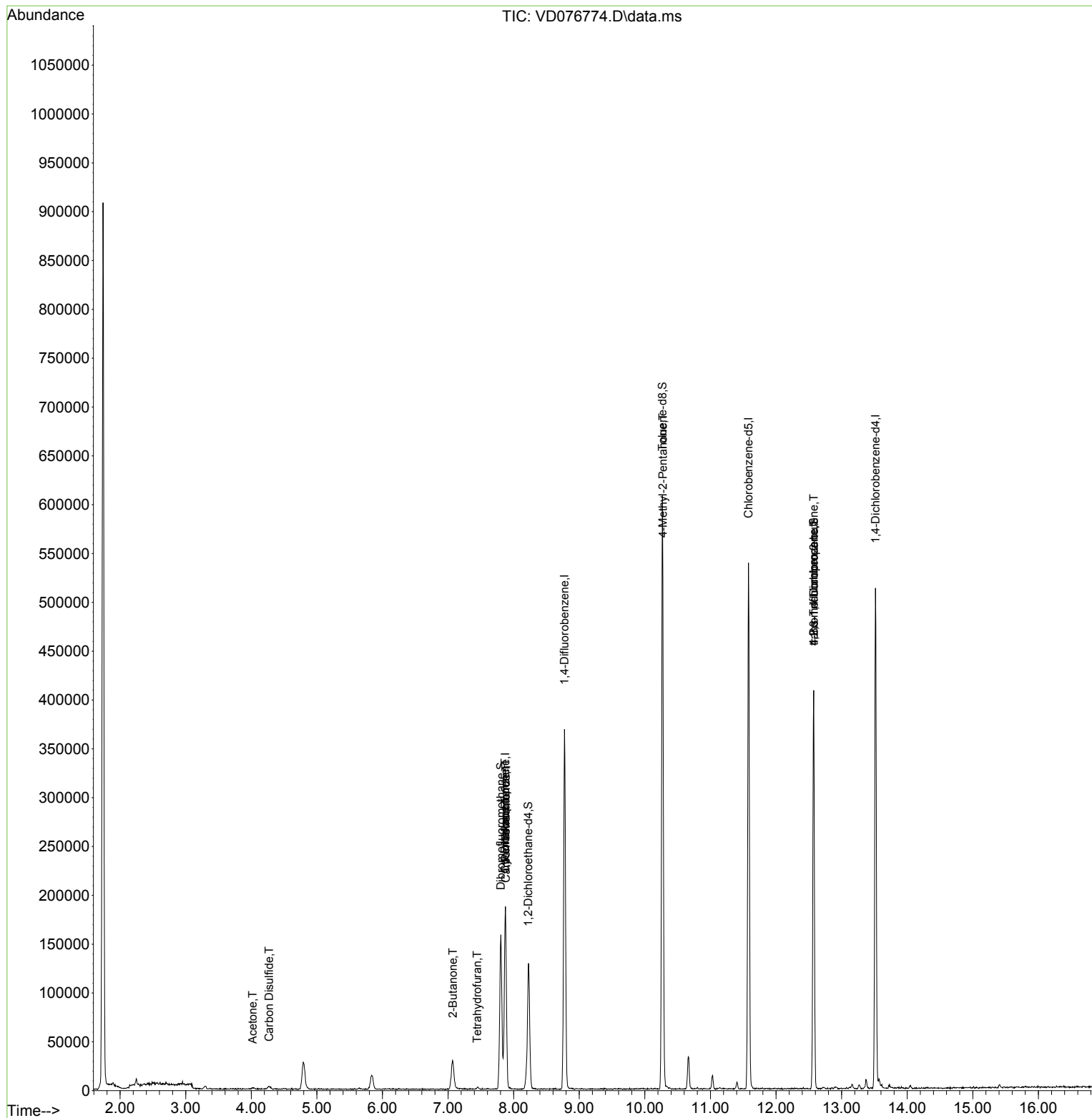
Target Compounds					Qvalue
16) Acetone	4.022	43	2482	7.447	ug/l # 79
17) Carbon Disulfide	4.269	76	4193	1.297	ug/l # 85
25) 2-Butanone	7.075	43	1529	3.428	ug/l # 37
29) Tetrahydrofuran	7.446	42	716	2.717	ug/l # 85
31) Cyclohexane	7.869	56	3438	1.674	ug/l # 57
36) 1,1-Dichloropropene	7.869	75	12232	4.437	ug/l # 48
38) Carbon Tetrachloride	7.881	117	13912	5.270	ug/l # 16
51) 4-Methyl-2-Pentanone	10.275	43	1730	1.350	ug/l # 1
76) 1,2,3-Trichloropropane	12.575	75	65672	49.501	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.575	75	65672	105.351	ug/l # 17

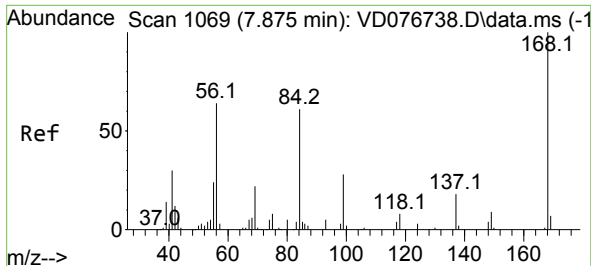
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

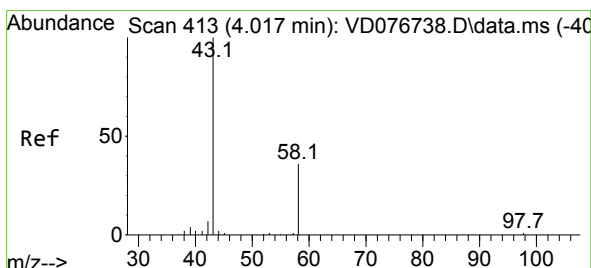
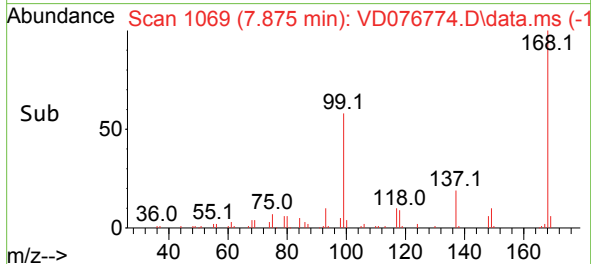
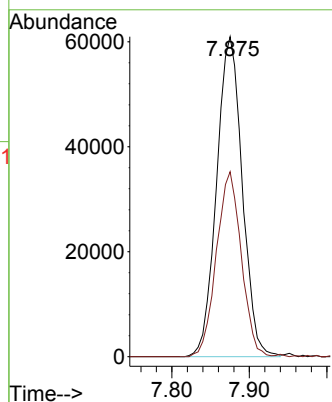
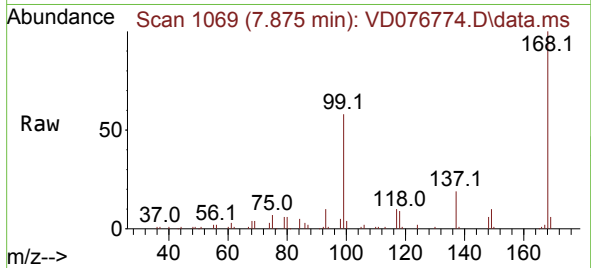




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

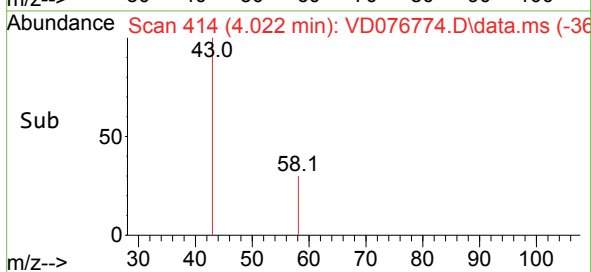
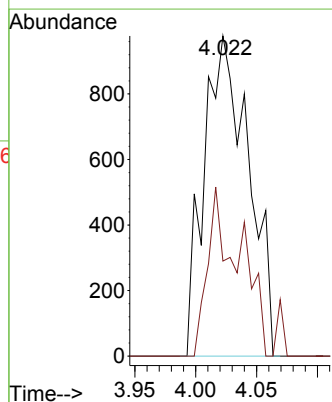
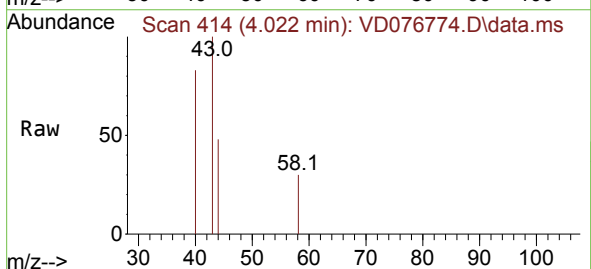
Instrument :
MSVOA_D
ClientSampleId :
TP19

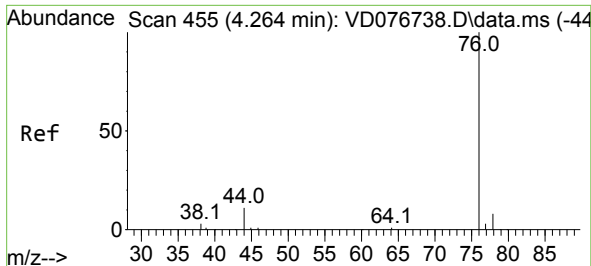
Tgt Ion:168 Resp: 140119
Ion Ratio Lower Upper
168 100
99 57.8 36.7 55.1#



#16
Acetone
Concen: 7.447 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
58 29.7 34.7 52.1#

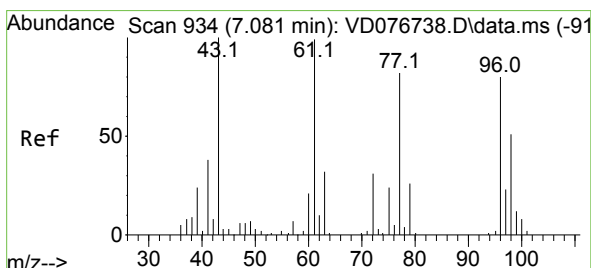
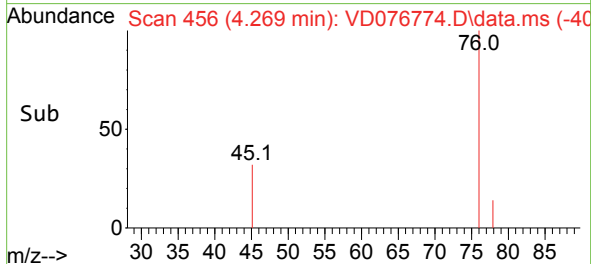
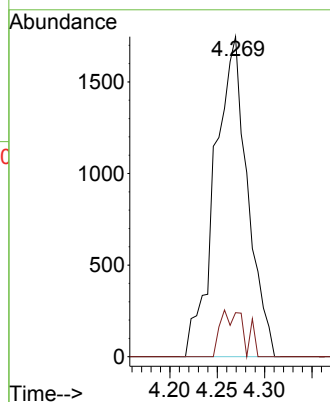
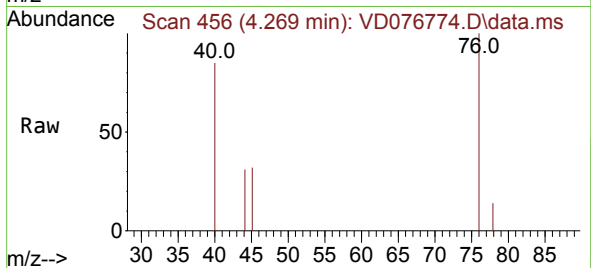




#17
Carbon Disulfide
Concen: 1.297 ug/l
RT: 4.269 min Scan# 4193
Delta R.T. 0.005 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

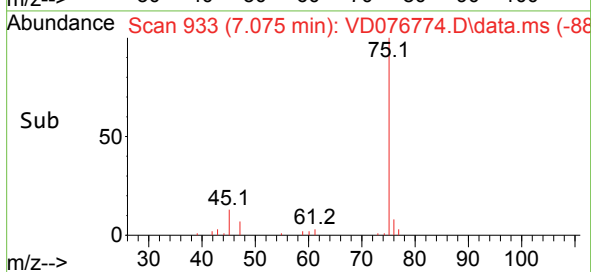
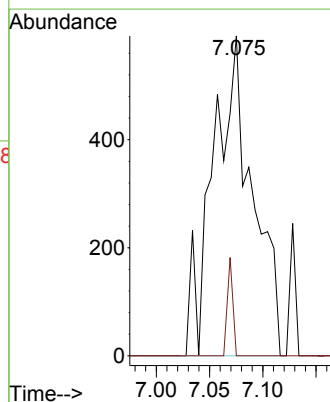
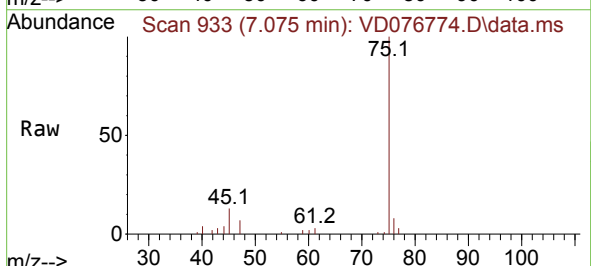
Instrument :
MSVOA_D
ClientSampleId :
TP19

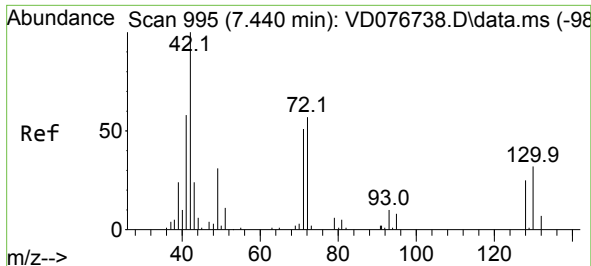
Tgt Ion: 76 Resp: 4193
Ion Ratio Lower Upper
76 100
78 13.8 6.8 10.2#



#25
2-Butanone
Concen: 3.428 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 2.717 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

Instrument :

MSVOA_D

ClientSampleId :

TP19

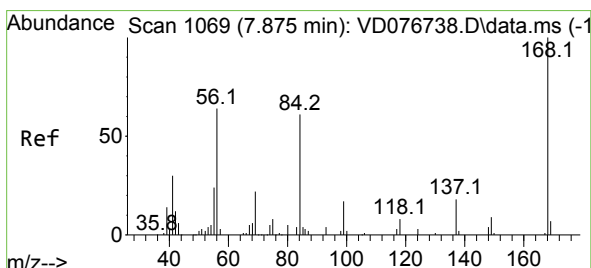
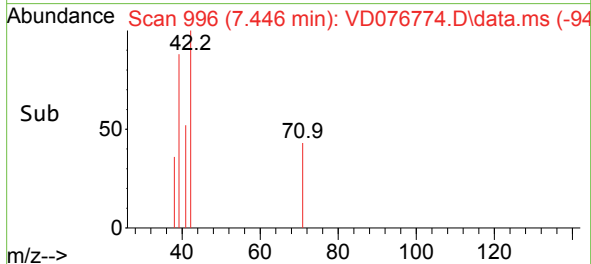
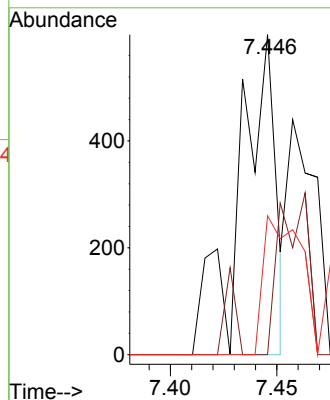
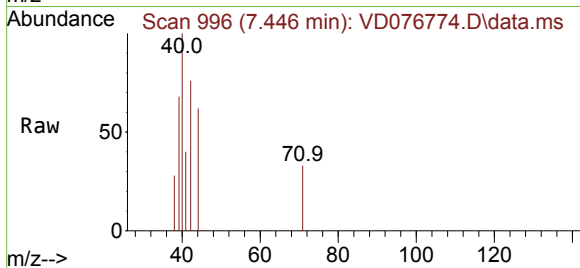
Tgt Ion: 42 Resp: 716

Ion Ratio Lower Upper

42 100

72 38.8 46.5 69.7#

71 52.8 44.5 66.7



#31

Cyclohexane

Concen: 1.674 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

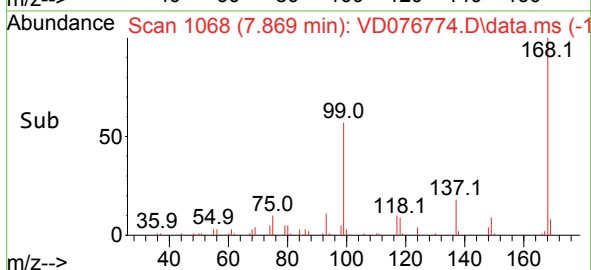
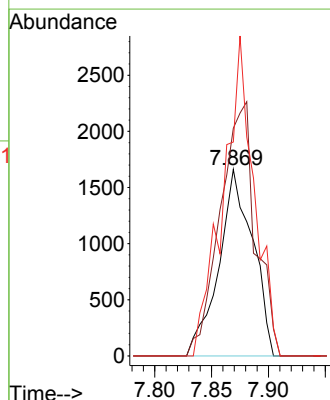
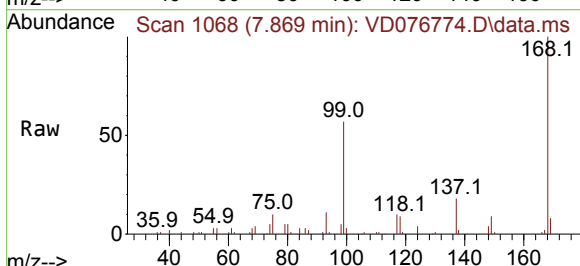
Tgt Ion: 56 Resp: 3438

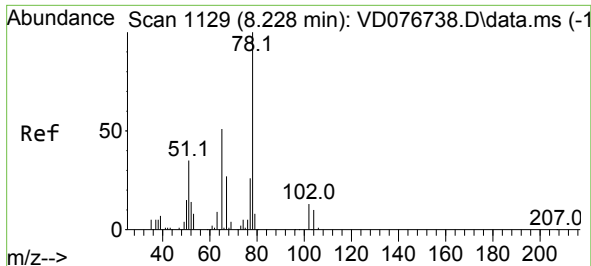
Ion Ratio Lower Upper

56 100

69 122.1 28.6 43.0#

84 114.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 67.405 ug/l

RT: 8.222 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

Instrument :

MSVOA_D

ClientSampleId :

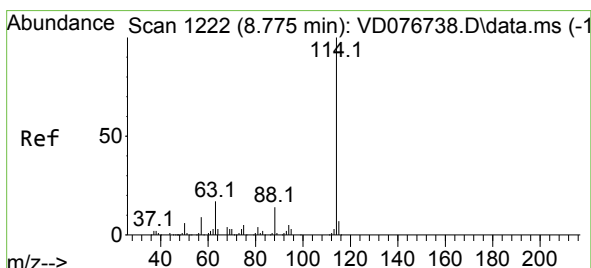
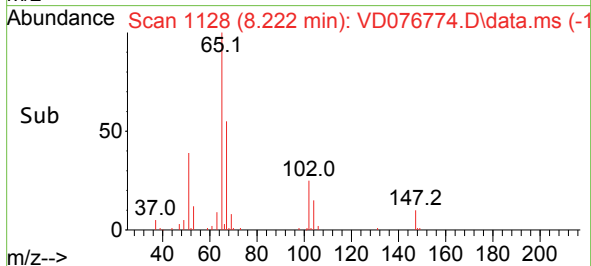
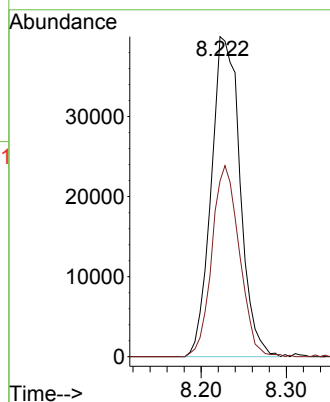
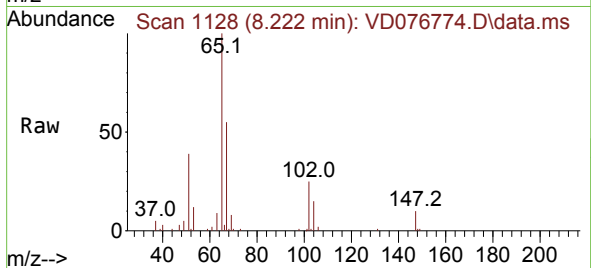
TP19

Tgt Ion: 65 Resp: 94073

Ion Ratio Lower Upper

65 100

67 56.8 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: VD076774.D

Acq: 18 Jul 2023 13:24

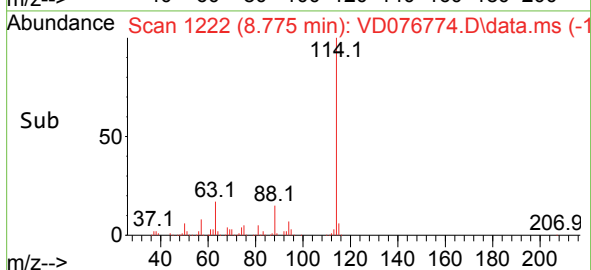
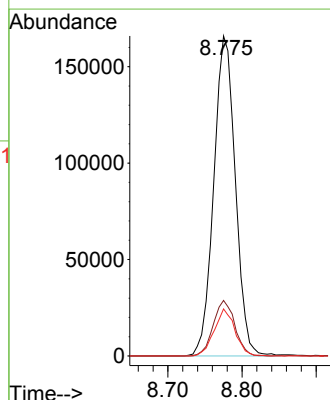
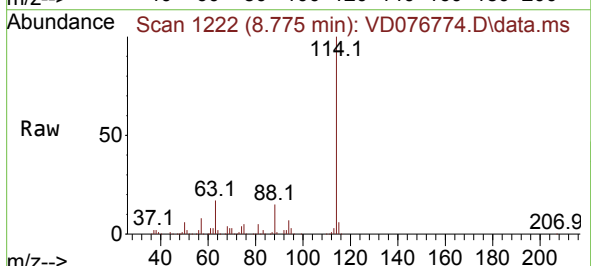
Tgt Ion: 114 Resp: 335716

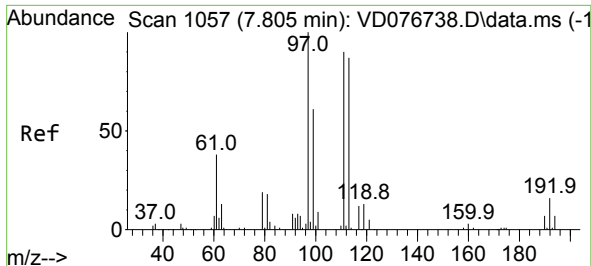
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.4

88 14.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.475 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

Instrument :

MSVOA_D

ClientSampleId :

TP19

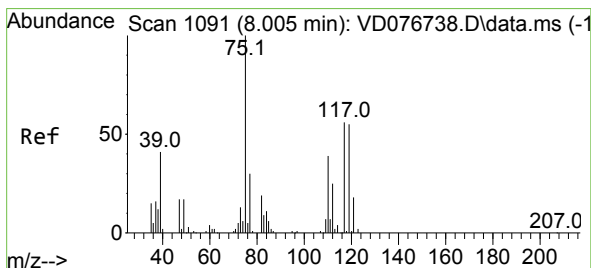
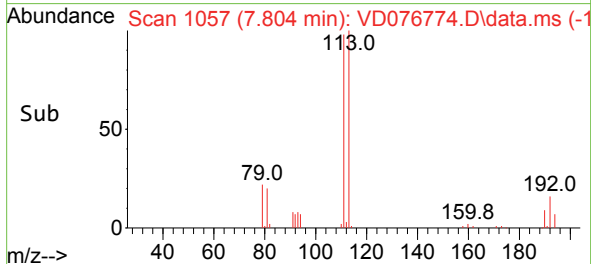
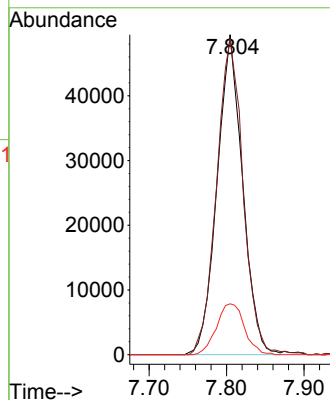
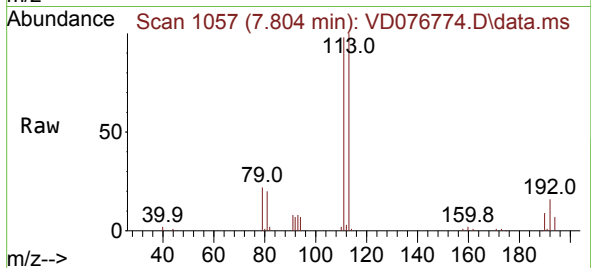
Tgt Ion:113 Resp: 112814

Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 17.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.437 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

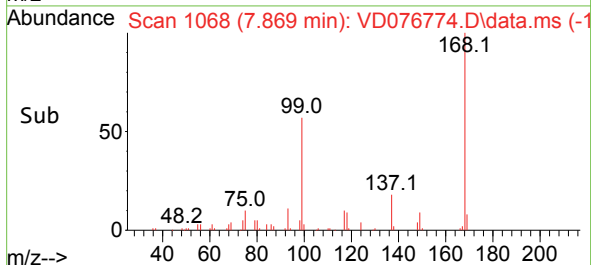
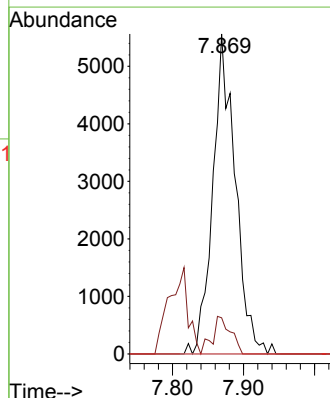
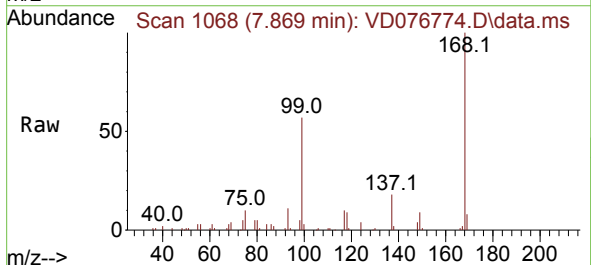
Tgt Ion: 75 Resp: 12232

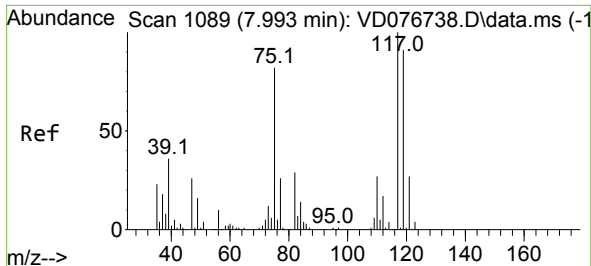
Ion Ratio Lower Upper

75 100

110 9.5 19.9 59.6#

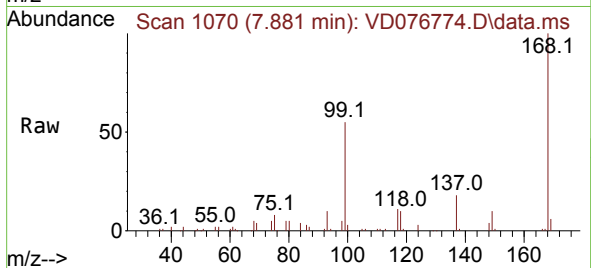
77 0.0 24.7 37.1#



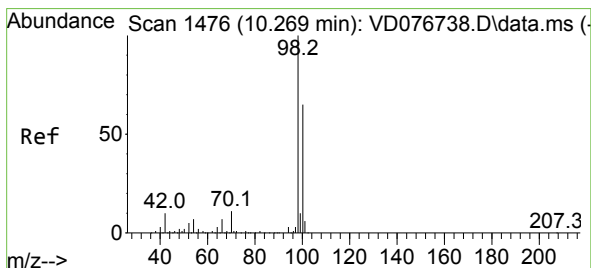
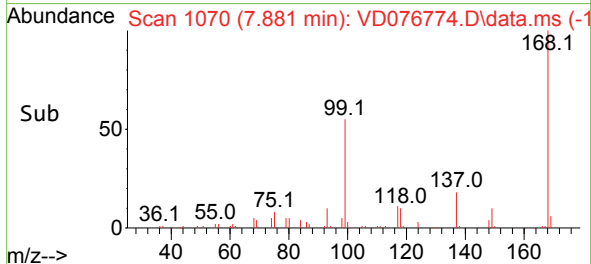
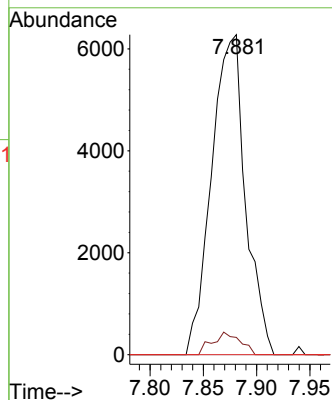


#38
Carbon Tetrachloride
Concen: 5.270 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Instrument :
MSVOA_D
ClientSampleId :
TP19

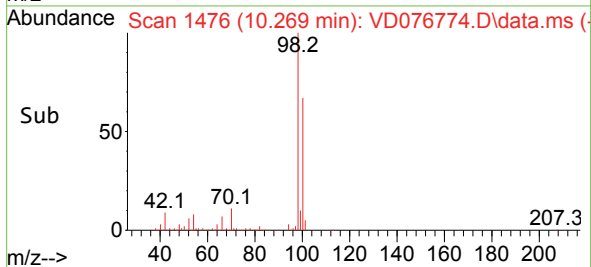
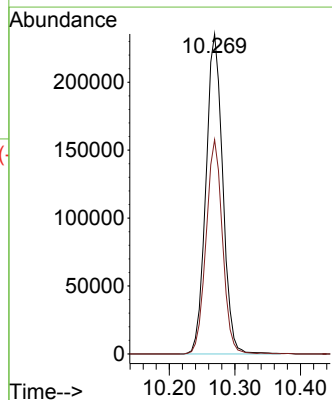
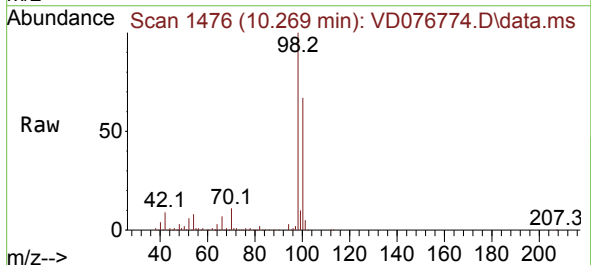


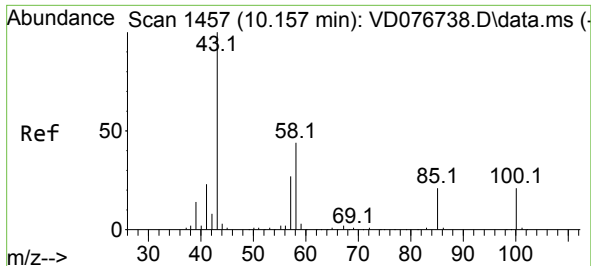
Tgt Ion:117 Resp: 13912
Ion Ratio Lower Upper
117 100
119 5.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.572 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Tgt Ion: 98 Resp: 419405
Ion Ratio Lower Upper
98 100
100 65.3 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.350 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

Instrument :

MSVOA_D

ClientSampleId :

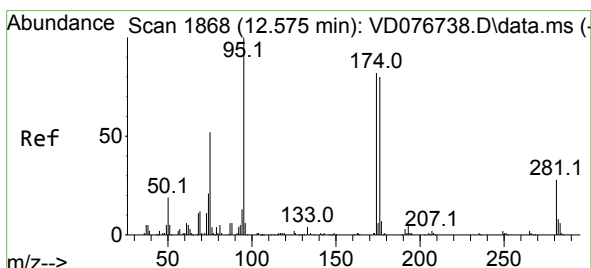
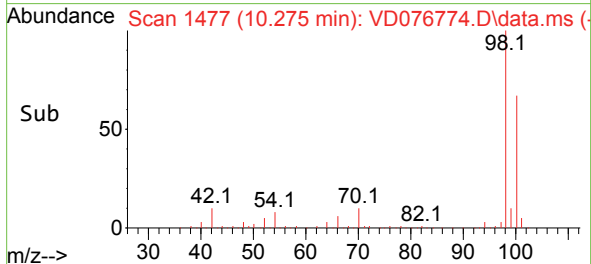
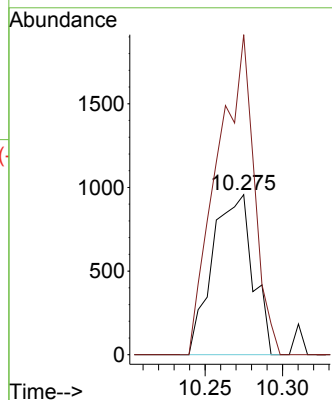
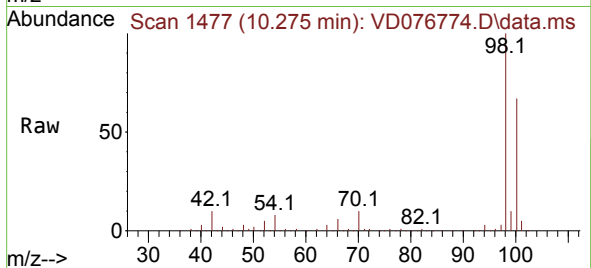
TP19

Tgt Ion: 43 Resp: 1730

Ion Ratio Lower Upper

43 100

58 182.5 38.9 58.3#



#62

4-Bromofluorobenzene

Concen: 49.395 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076774.D

Acq: 18 Jul 2023 13:24

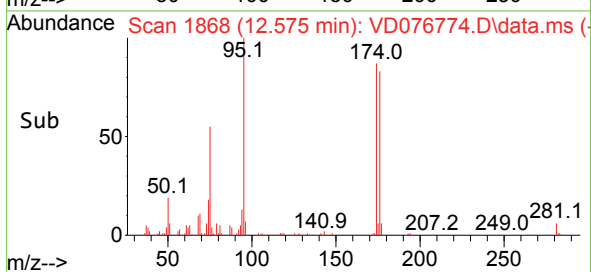
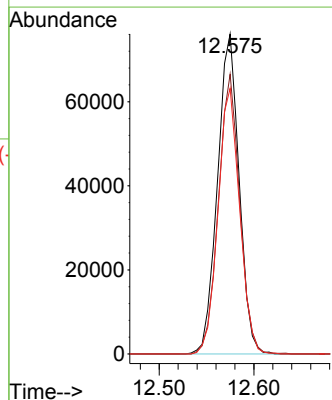
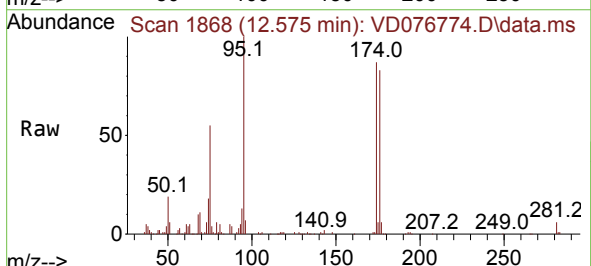
Tgt Ion: 95 Resp: 120596

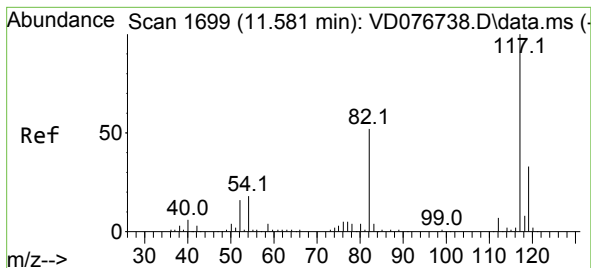
Ion Ratio Lower Upper

95 100

174 86.1 0.0 201.8

176 82.9 0.0 191.8

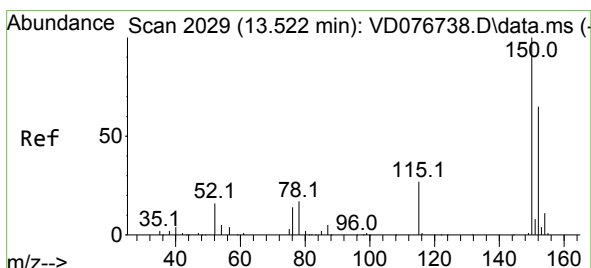
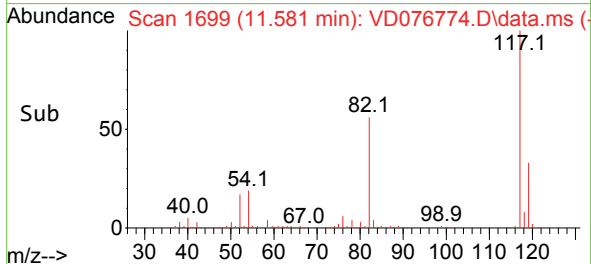
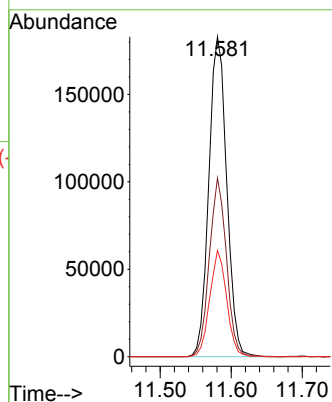
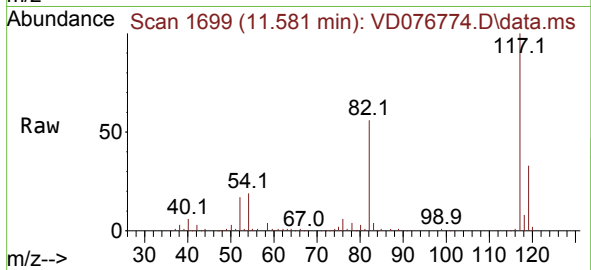




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

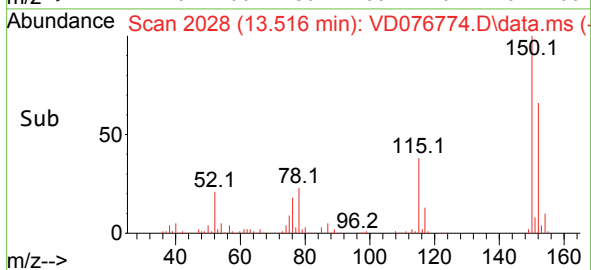
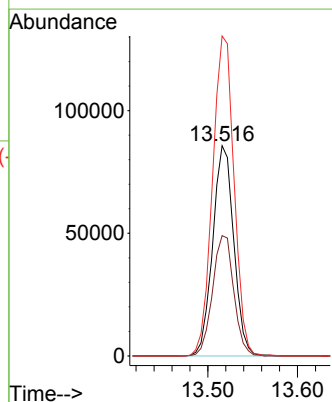
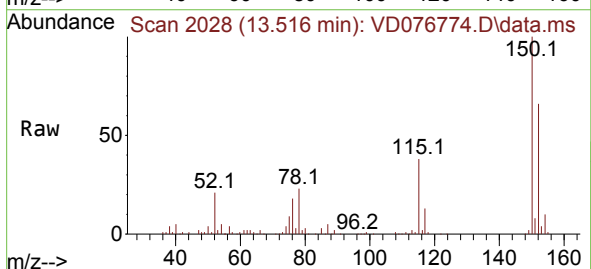
Instrument :
MSVOA_D
ClientSampleId :
TP19

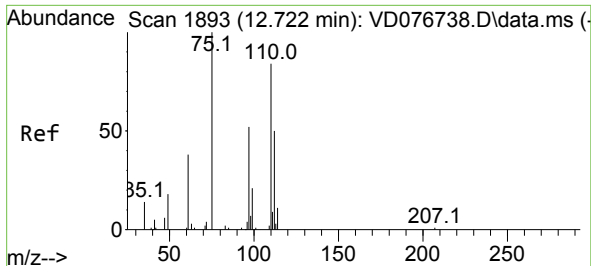
Tgt Ion:117 Resp: 320149
Ion Ratio Lower Upper
117 100
82 55.8 38.3 57.5
119 33.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Tgt Ion:152 Resp: 139505
Ion Ratio Lower Upper
152 100
115 57.8 27.1 81.3
150 155.4 0.0 353.6

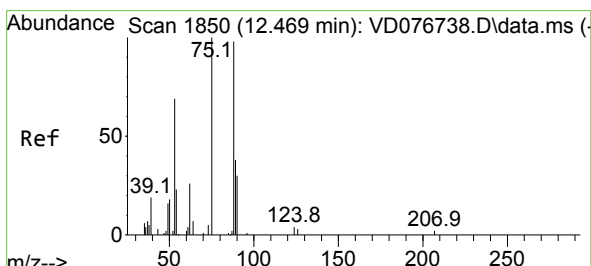
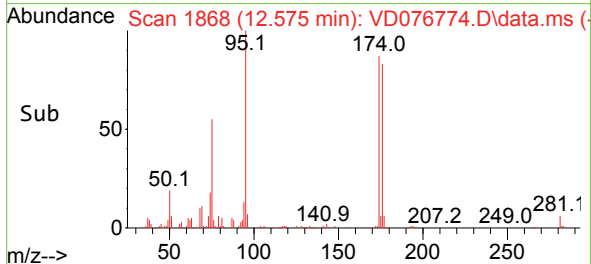
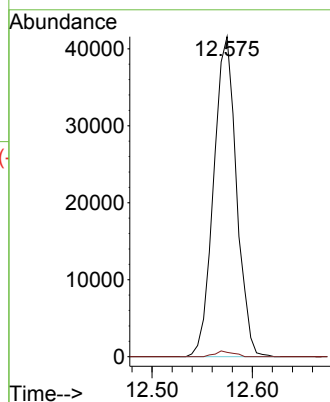
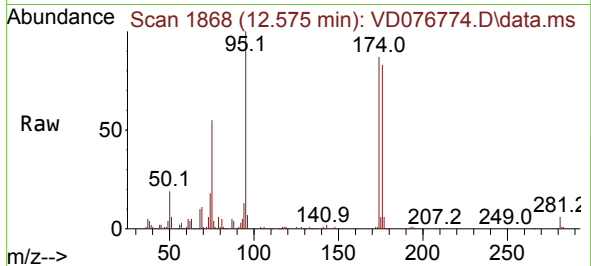




#76
1,2,3-Trichloropropane
Concen: 49.501 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Instrument :
MSVOA_D
ClientSampleId :
TP19

Tgt Ion: 75 Resp: 65672
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.351 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076774.D
Acq: 18 Jul 2023 13:24

Tgt Ion: 75 Resp: 65672
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

