

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076807.D
 Acq On : 26 Jul 2023 15:50
 Operator : KP/SY
 Sample : 03769-02
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 04:23:58 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)

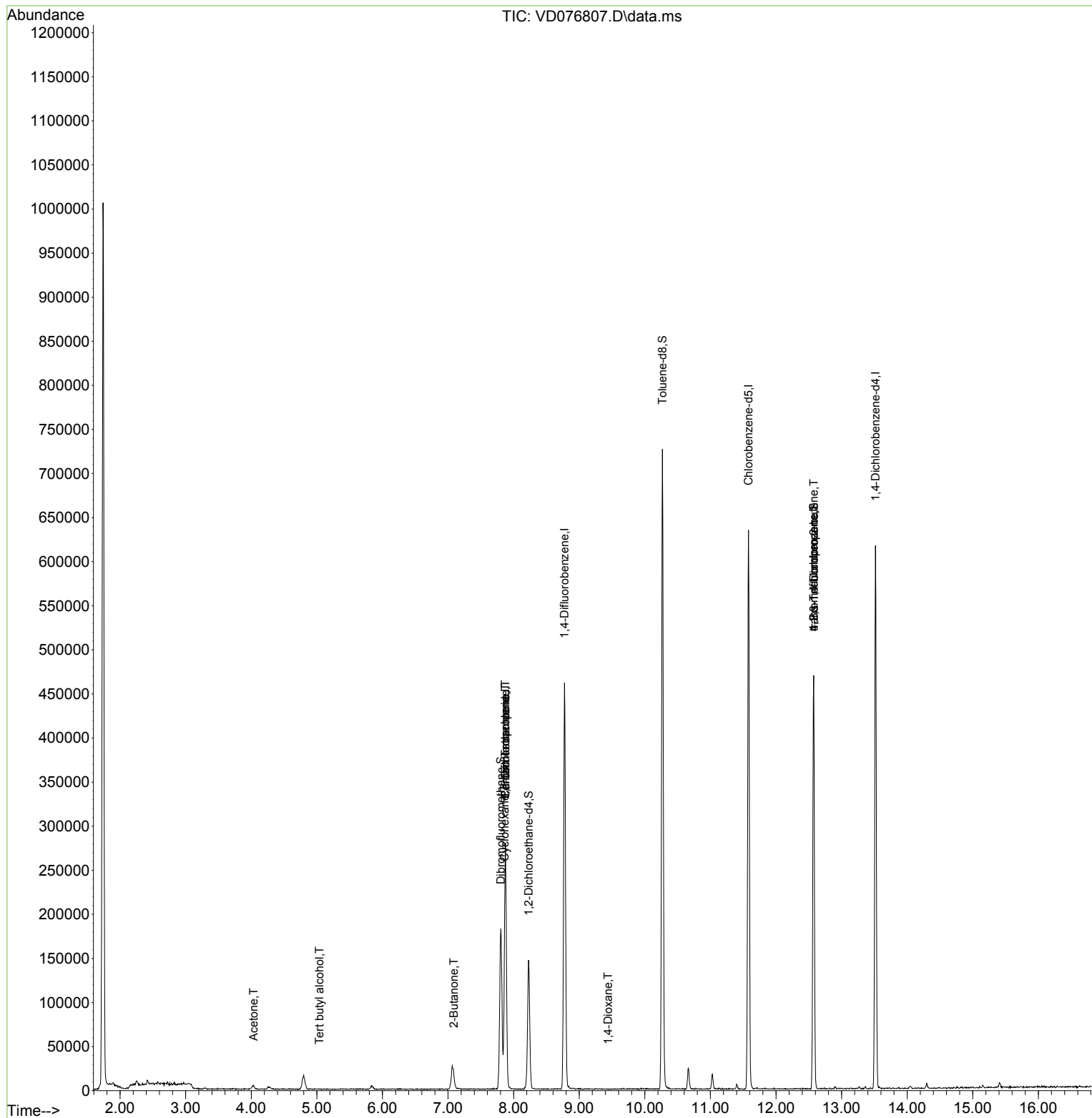
Internal Standards						
1) Pentafluorobenzene	7.875	168	214865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	427315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	388452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	110115	51.453	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.900%	
35) Dibromofluoromethane	7.805	113	136525	50.842	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.680%	
50) Toluene-d8	10.269	98	508551	52.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.880%	
62) 4-Bromofluorobenzene	12.575	95	146123	47.021	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	281	1.760	ug/l #	73
16) Acetone	4.034	43	6501	12.719	ug/l #	79
20) Methylene Chloride	4.799	84	11669	Below Cal	#	84
25) 2-Butanone	7.087	43	1520	2.222	ug/l #	37
31) Cyclohexane	7.863	56	4497	1.428	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	17016	4.849	ug/l #	48
38) Carbon Tetrachloride	7.875	117	21930	6.527	ug/l #	18
49) 1,4-Dioxane	9.440	88	74	3.453	ug/l #	33
76) 1,2,3-Trichloropropane	12.575	75	74378	46.863	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	74378	99.736	ug/l #	17

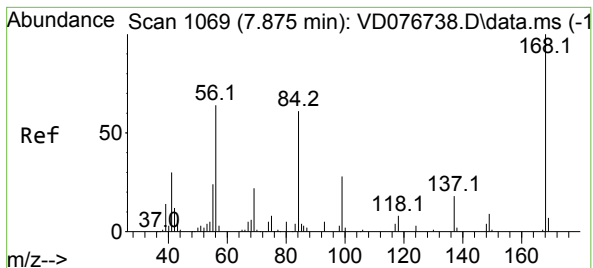
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
Data File : VD076807.D
Acq On : 26 Jul 2023 15:50
Operator : KP/SY
Sample : 03769-02
Misc : 5.03G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 27 04:23:58 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

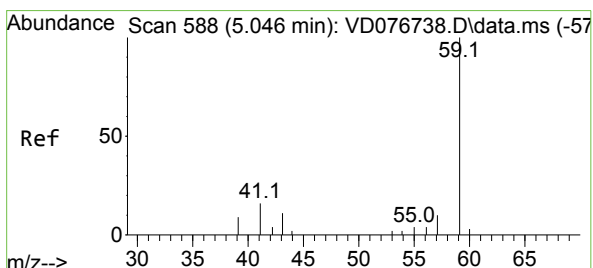
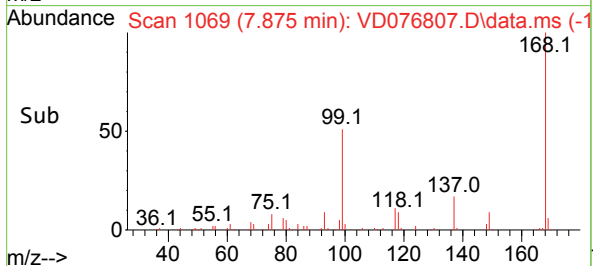
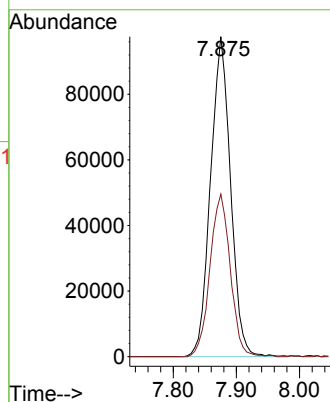
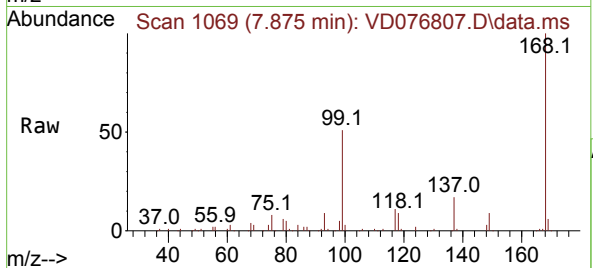




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

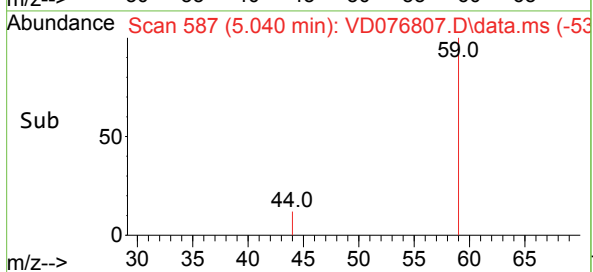
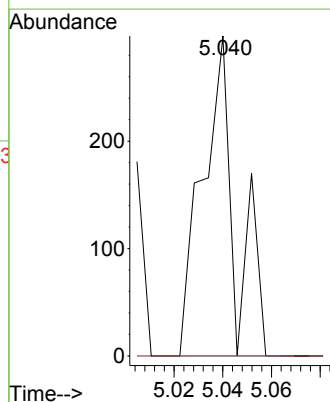
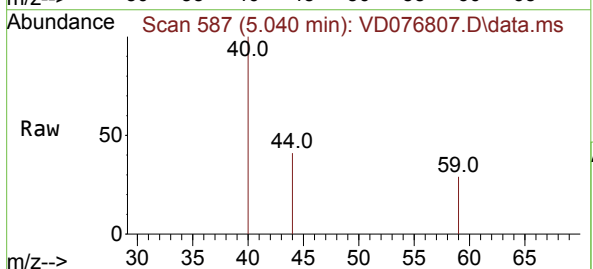
Instrument :
MSVOA_D
ClientSampleId :

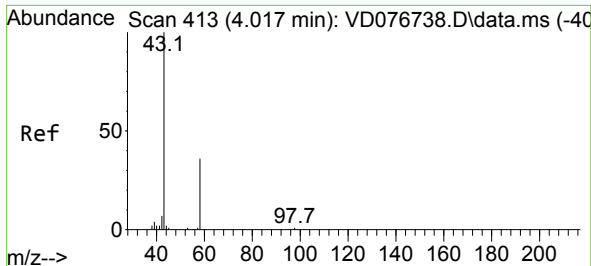
Tgt Ion:168 Resp: 214865
Ion Ratio Lower Upper
168 100
99 50.8 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.760 ug/l
RT: 5.040 min Scan# 587
Delta R.T. -0.006 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

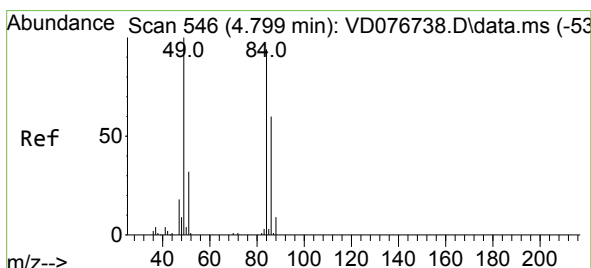
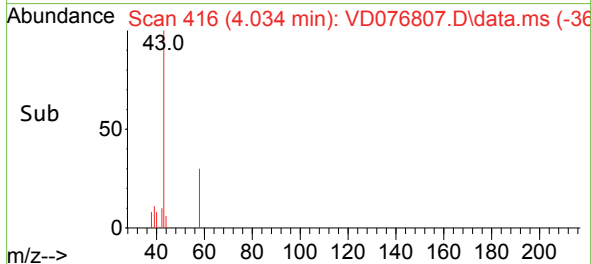
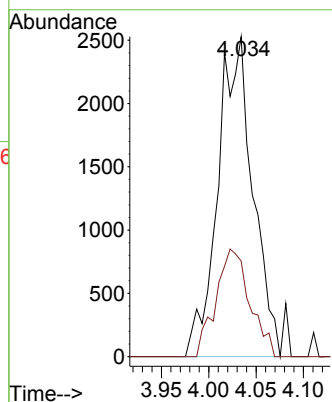
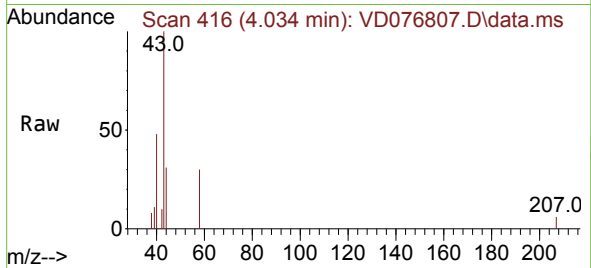




#16
Acetone
Concen: 12.719 ug/l
RT: 4.034 min Scan# 413
Delta R.T. 0.017 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

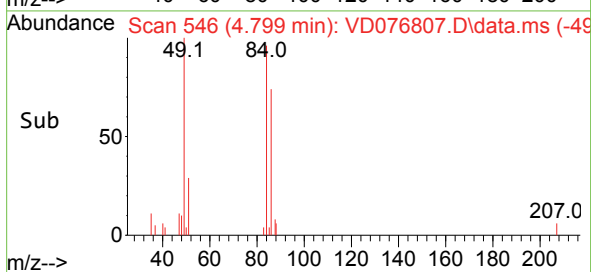
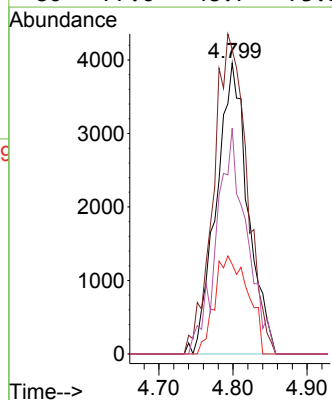
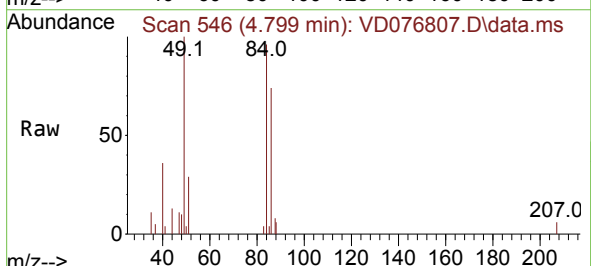
Instrument :
MSVOA_D
ClientSampleId :

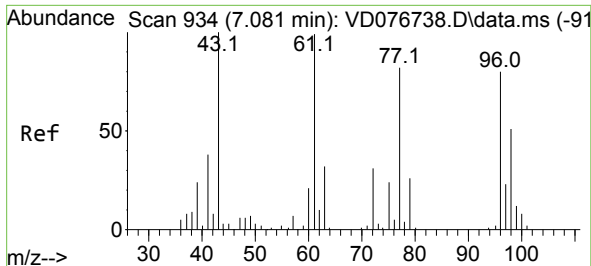
Tgt Ion: 43 Resp: 6501
Ion Ratio Lower Upper
43 100
58 29.9 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

Tgt Ion: 84 Resp: 11669
Ion Ratio Lower Upper
84 100
49 104.6 71.4 107.2
51 30.8 24.5 36.7
86 77.6 48.7 73.1#





#25

2-Butanone

Concen: 2.222 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

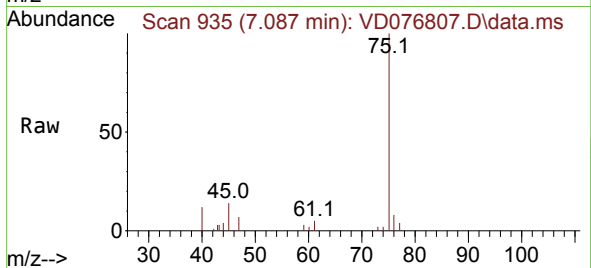
Lab File: VD076807.D

Acq: 26 Jul 2023 15:50

Instrument :

MSVOA_D

ClientSampleId :

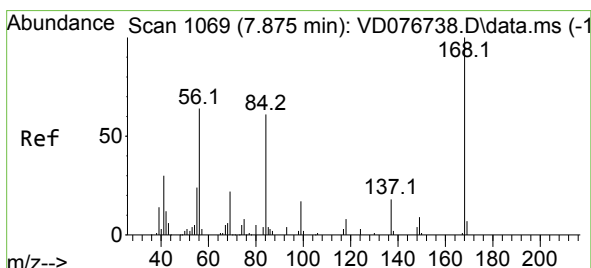
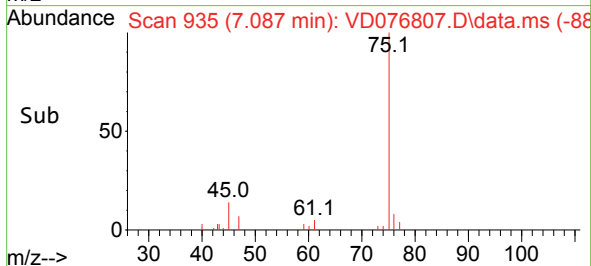
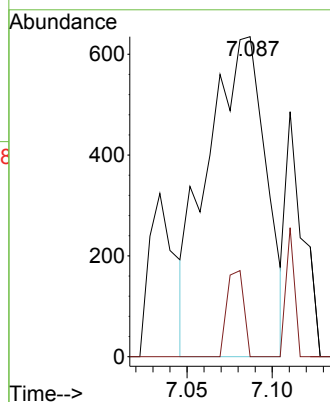


Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.428 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.012 min

Lab File: VD076807.D

Acq: 26 Jul 2023 15:50

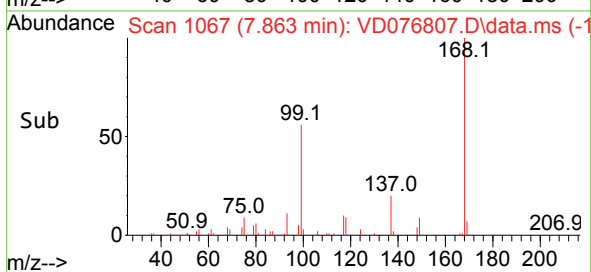
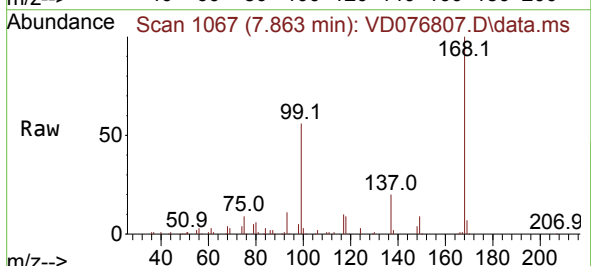
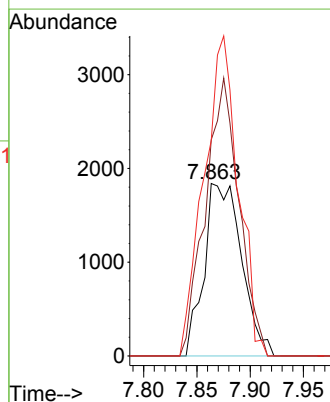
Tgt Ion: 56 Resp: 4497

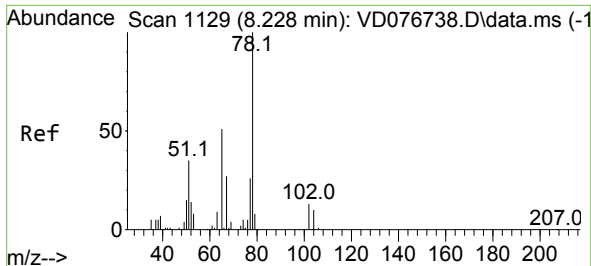
Ion Ratio Lower Upper

56 100

69 125.3 28.6 43.0#

84 125.0 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 51.453 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076807.D

Acq: 26 Jul 2023 15:50

Instrument :

MSVOA_D

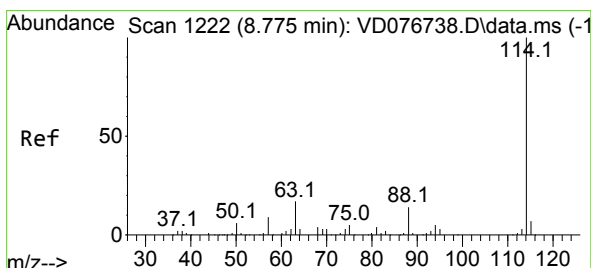
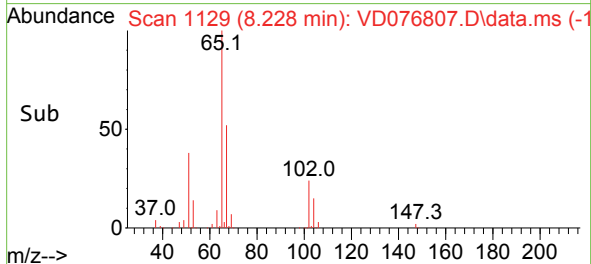
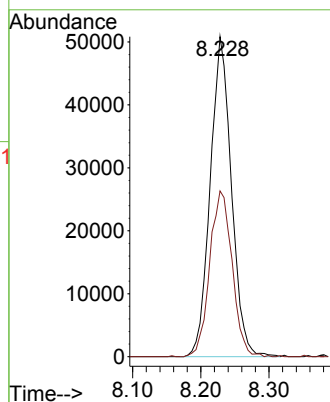
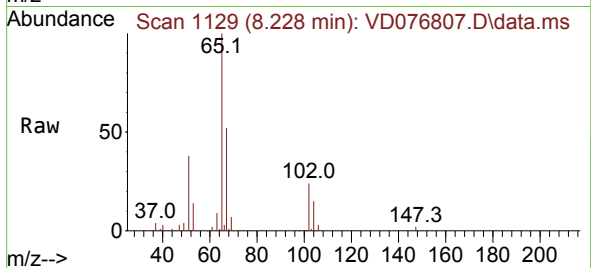
ClientSampleId :

Tgt Ion: 65 Resp: 110115

Ion Ratio Lower Upper

65 100

67 54.7 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: VD076807.D

Acq: 26 Jul 2023 15:50

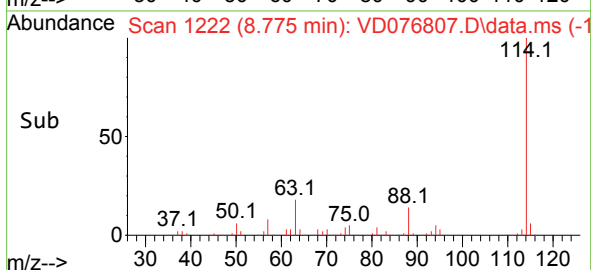
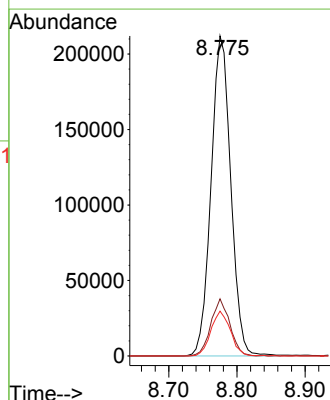
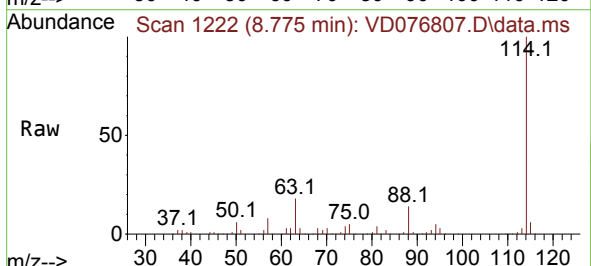
Tgt Ion: 114 Resp: 427315

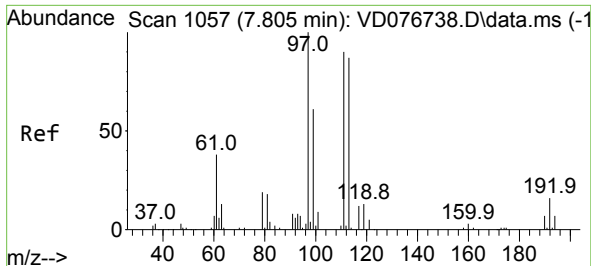
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

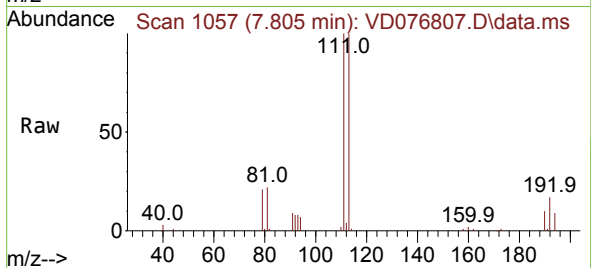
88 14.0 0.0 26.2



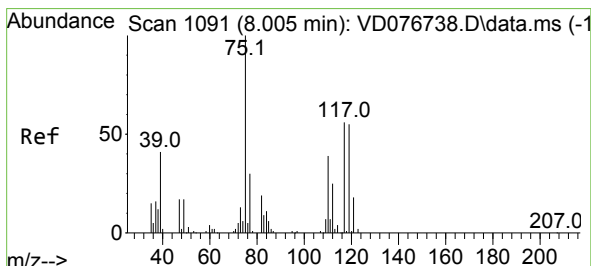
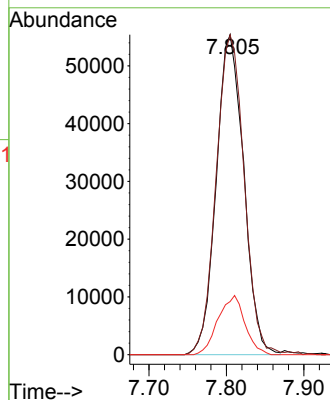
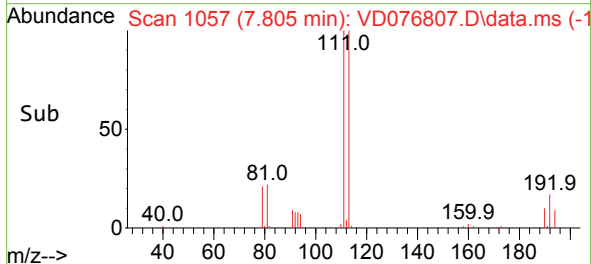


#35
 Dibromofluoromethane
 Concen: 50.842 ug/l
 RT: 7.805 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VD076807.D
 Acq: 26 Jul 2023 15:50

Instrument :
 MSVOA_D
 ClientSampleId :

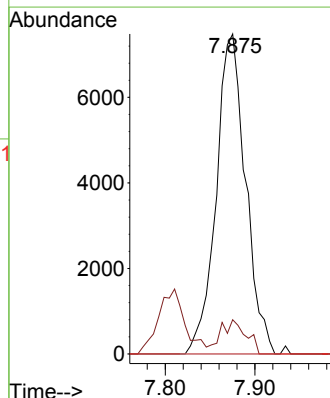
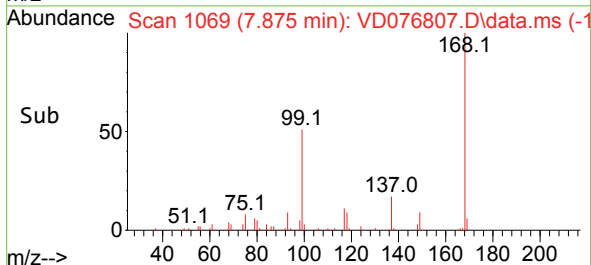
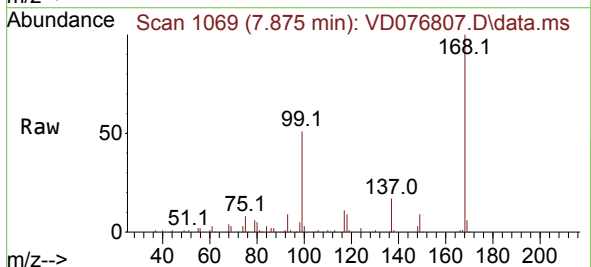


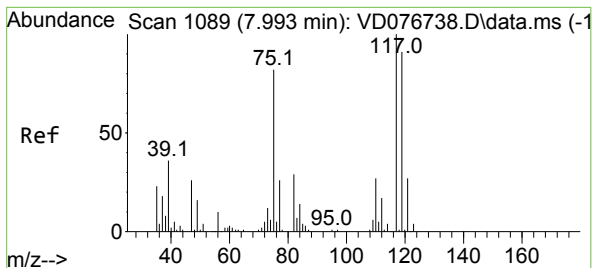
Tgt Ion:113 Resp: 136525
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.7 127.1
 192 18.1 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.849 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.130 min
 Lab File: VD076807.D
 Acq: 26 Jul 2023 15:50

Tgt Ion: 75 Resp: 17016
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.9 59.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.527 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

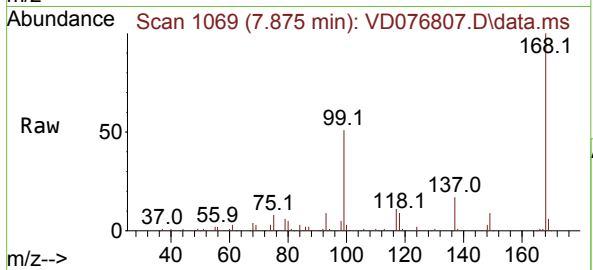
Lab File: VD076807.D

Acq: 26 Jul 2023 15:50

Instrument :

MSVOA_D

ClientSampleId :



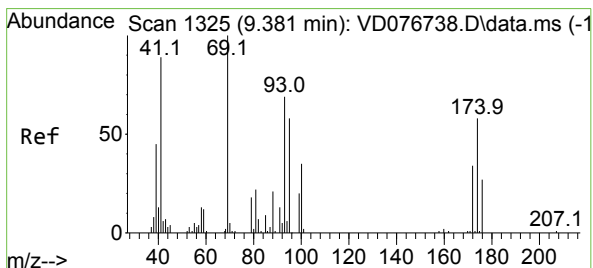
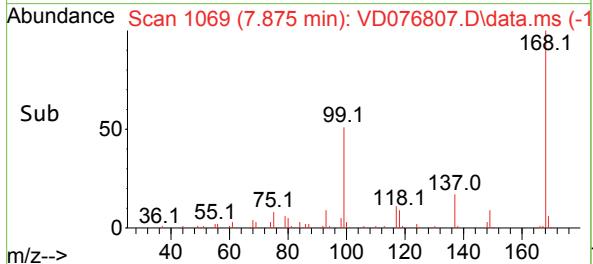
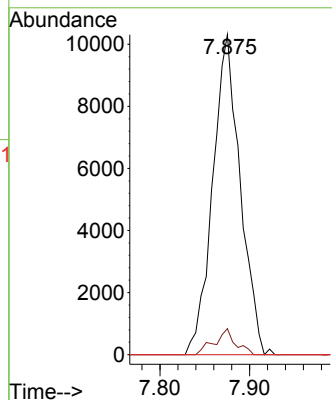
Tgt Ion:117 Resp: 21930

Ion Ratio Lower Upper

117 100

119 8.1 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 3.453 ug/l

RT: 9.440 min Scan# 1335

Delta R.T. 0.059 min

Lab File: VD076807.D

Acq: 26 Jul 2023 15:50

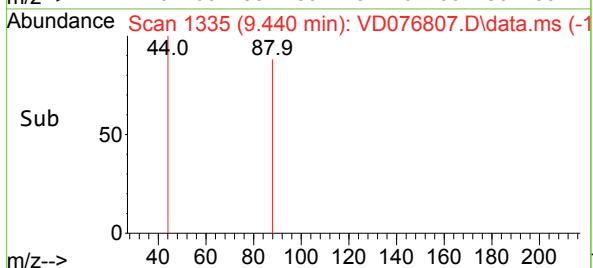
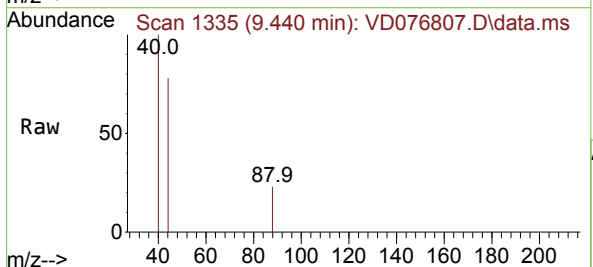
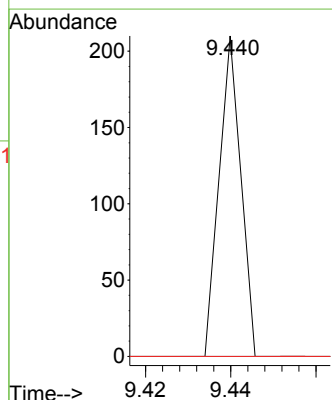
Tgt Ion: 88 Resp: 74

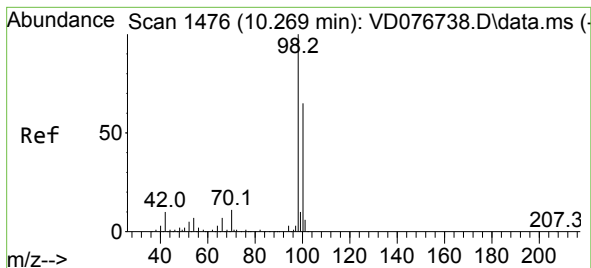
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#

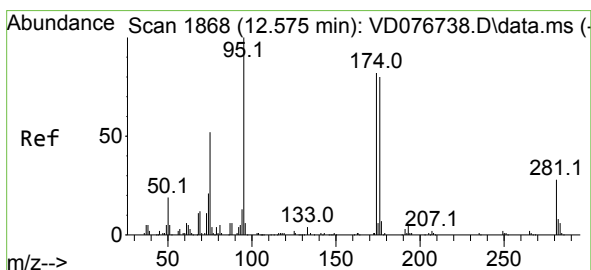
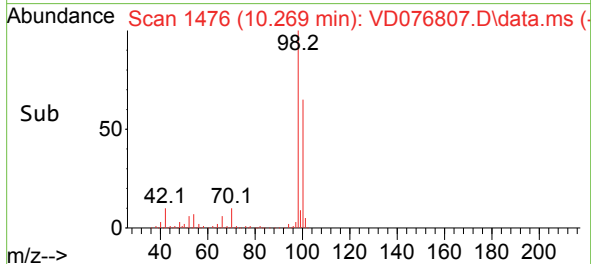
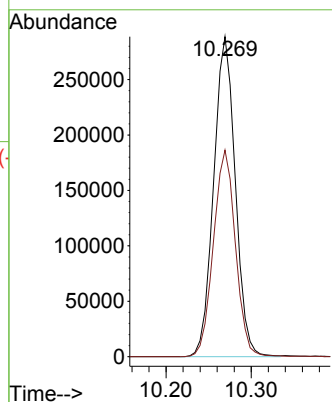
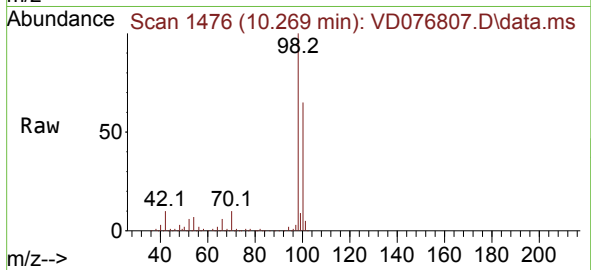




#50
Toluene-d8
Concen: 52.940 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

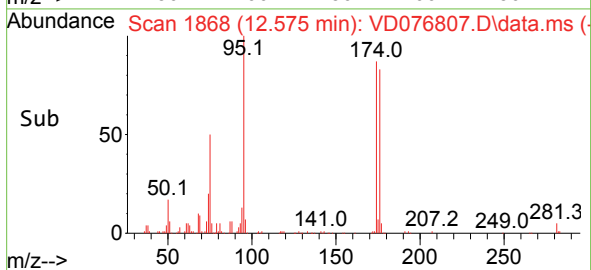
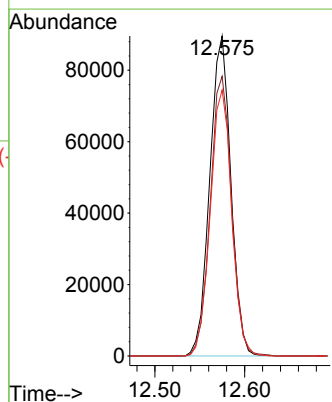
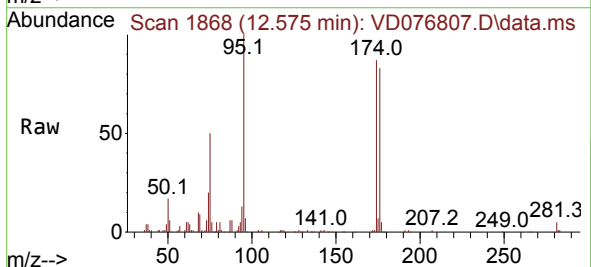
Instrument :
MSVOA_D
ClientSampleId :

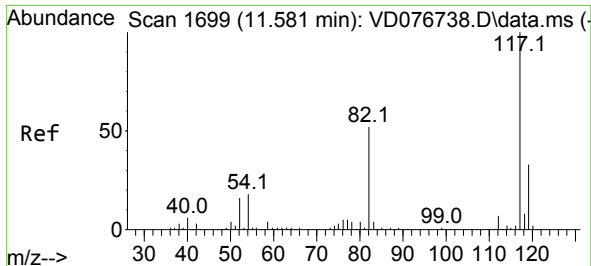
Tgt Ion: 98 Resp: 508551
Ion Ratio Lower Upper
98 100
100 65.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.021 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

Tgt Ion: 95 Resp: 146123
Ion Ratio Lower Upper
95 100
174 88.7 0.0 201.8
176 84.2 0.0 191.8

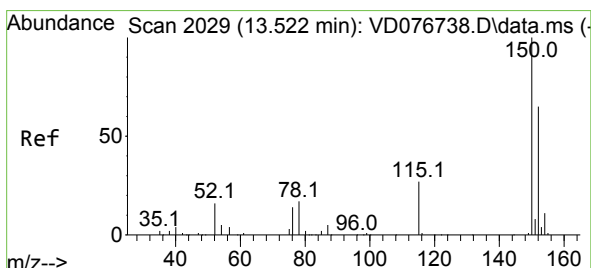
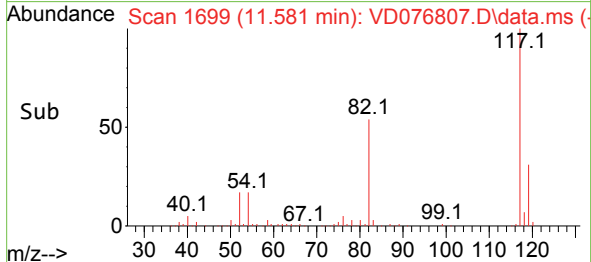
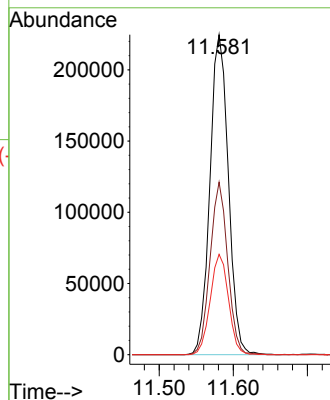
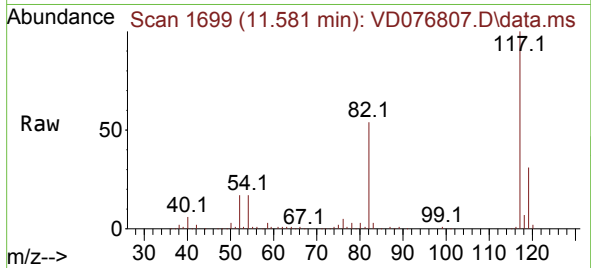




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

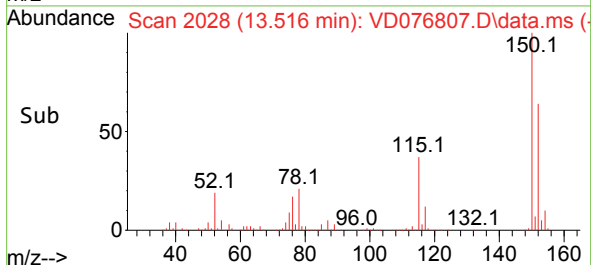
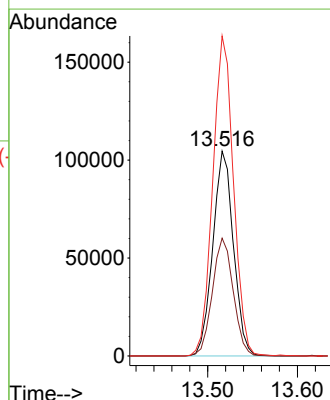
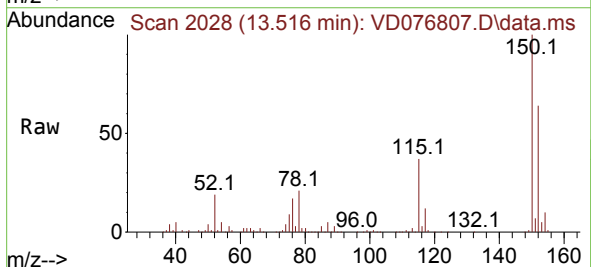
Instrument :
MSVOA_D
ClientSampleId :

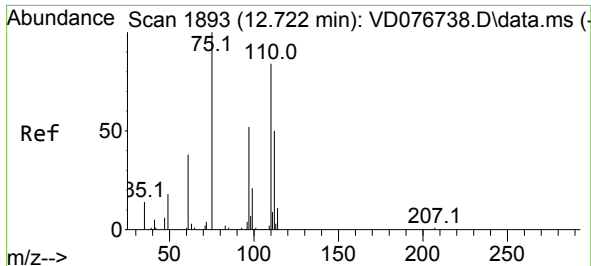
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	38.3	57.5
119	31.4	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.1	81.3
150	156.7	0.0	353.6

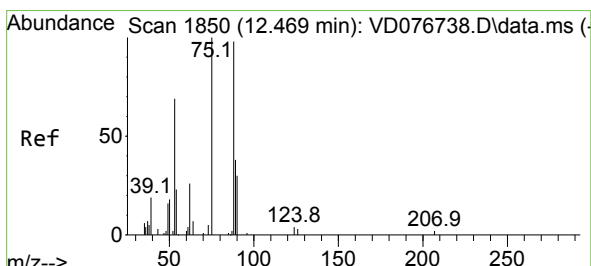
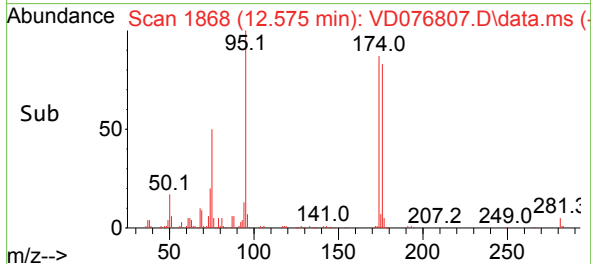
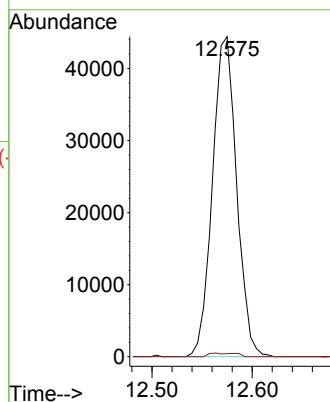
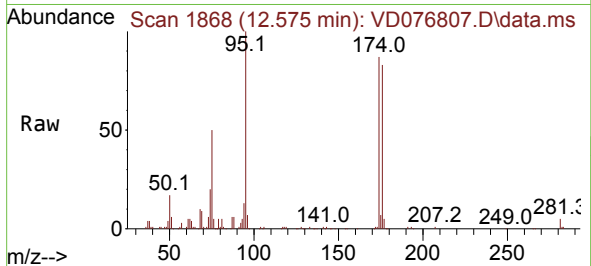




#76
1,2,3-Trichloropropane
Concen: 46.863 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 74378
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.736 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076807.D
Acq: 26 Jul 2023 15:50

Tgt Ion: 75 Resp: 74378
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

