

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015617.D
 Acq On : 18 Sep 2023 16:12
 Operator : SY/MD
 Sample : 04423-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 17:33:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

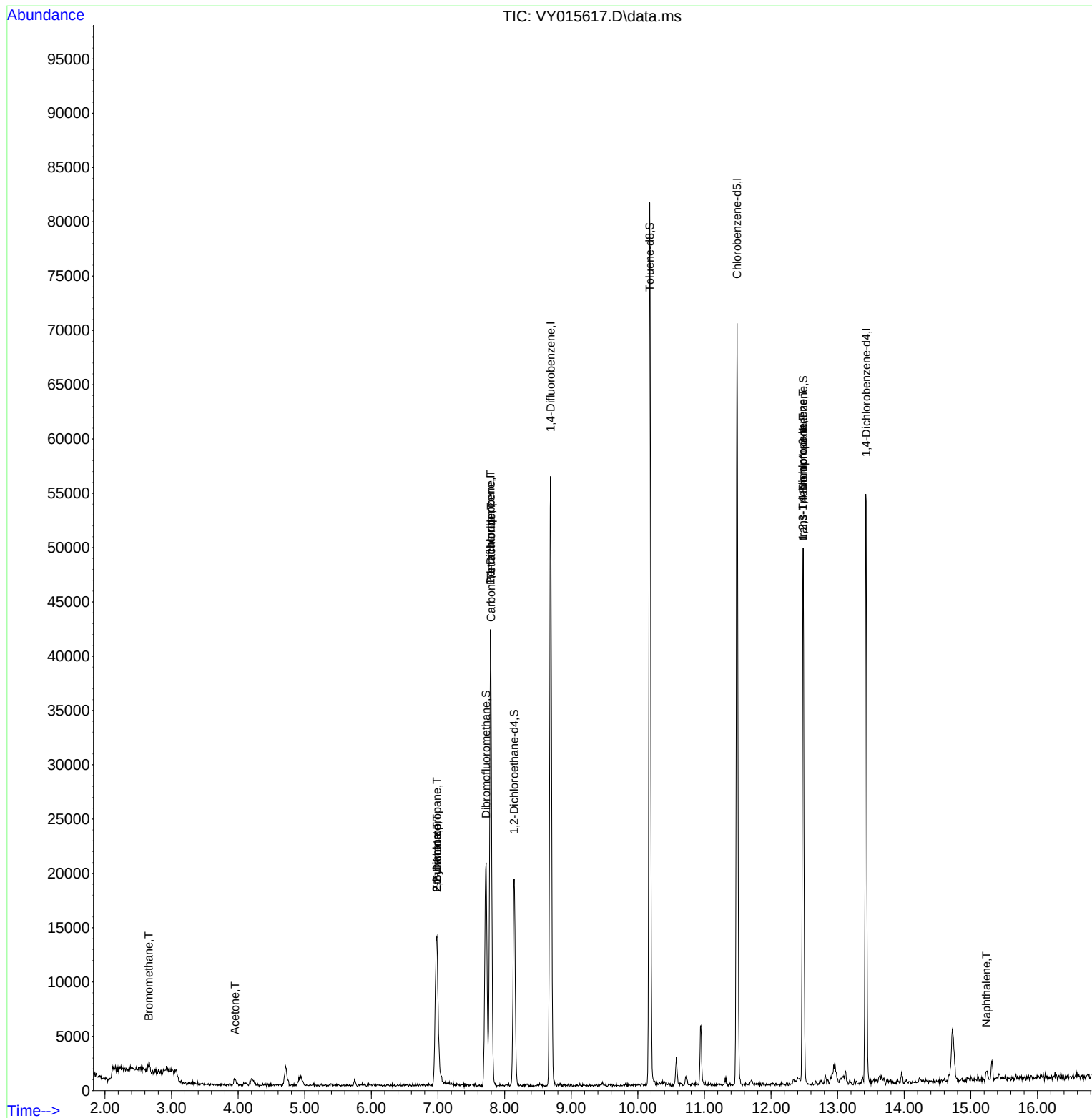
Internal Standards						
1) Pentafluorobenzene	7.789	168	31600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	49220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	38767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	15502	45.763	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.520%
35) Dibromofluoromethane	7.722	113	14908	52.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.180%
50) Toluene-d8	10.179	98	55160	53.728	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.460%
62) 4-Bromofluorobenzene	12.483	95	14608	38.328	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	361	1.195	ug/l #	74
11) Tert butyl alcohol	4.942	59	842	Below Cal	#	89
16) Acetone	3.954	43	939	6.641	ug/l #	74
20) Methylene Chloride	4.710	84	1225	Below Cal	#	68
25) 2-Butanone	6.984	43	781	3.894	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	968	1.802	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	2529	5.080	ug/l #	47
37) Ethyl Acetate	6.984	43	781	2.034	ug/l #	1
38) Carbon Tetrachloride	7.795	117	3255	6.331	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	7573	39.876	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	7573	87.963	ug/l #	10
95) Naphthalene	15.233	128	1231	1.724	ug/l #	82

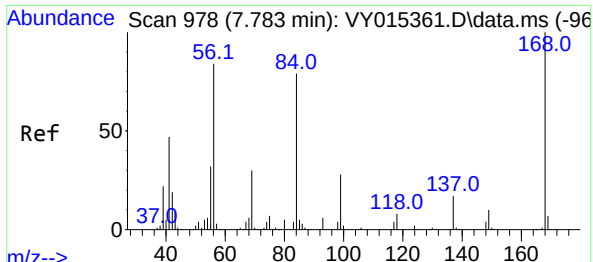
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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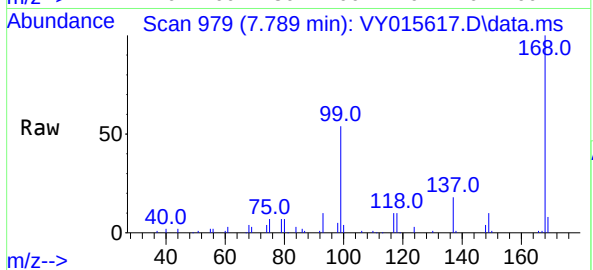
Quant Time: Sep 18 17:33:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
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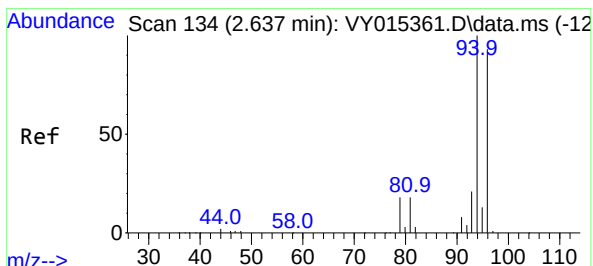
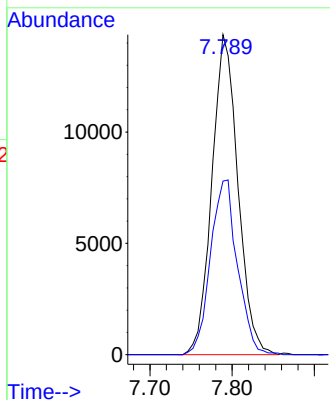
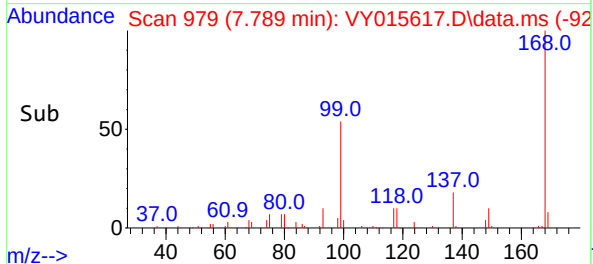


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :

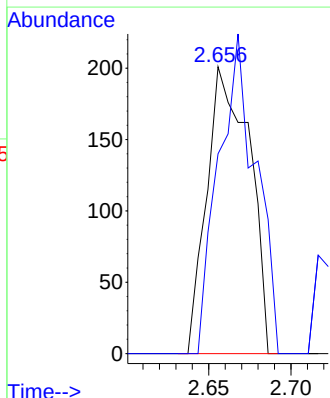
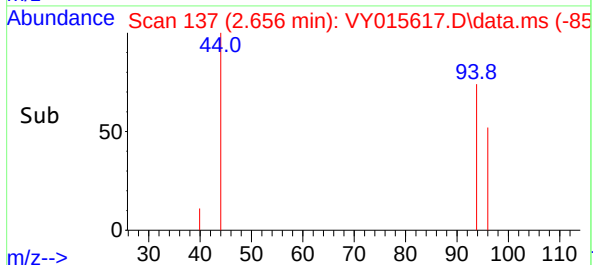
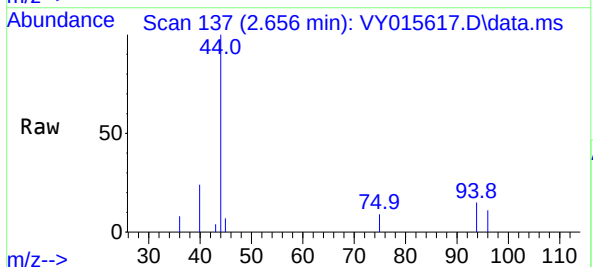


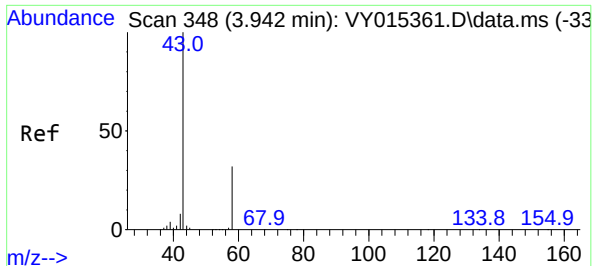
Tgt Ion:168 Resp: 31600
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#5
Bromomethane
Concen: 1.195 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 69.7 75.8 113.6#

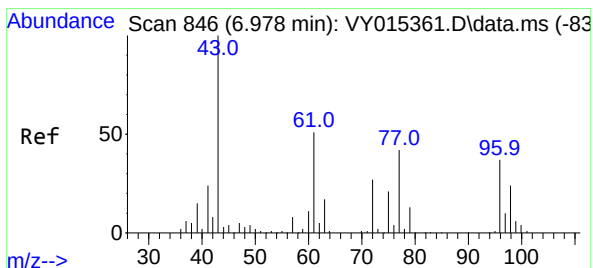
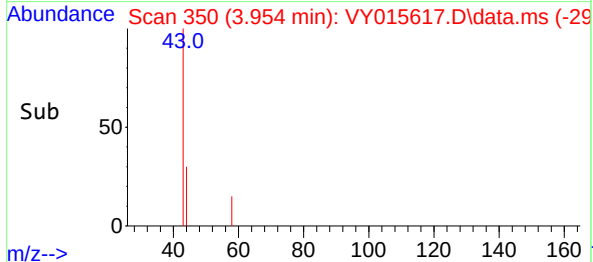
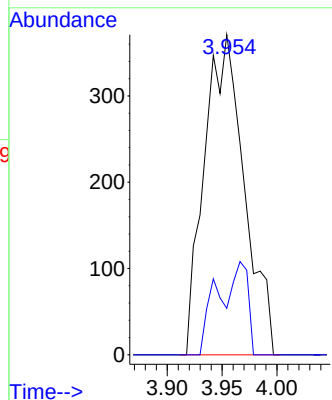
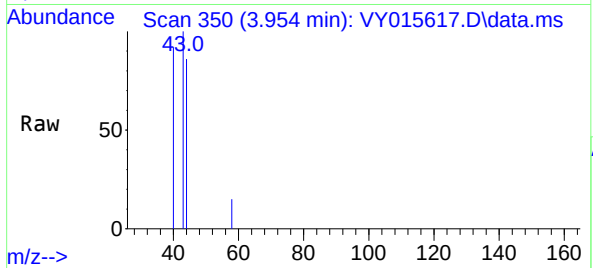




#16
Acetone
Concen: 6.641 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

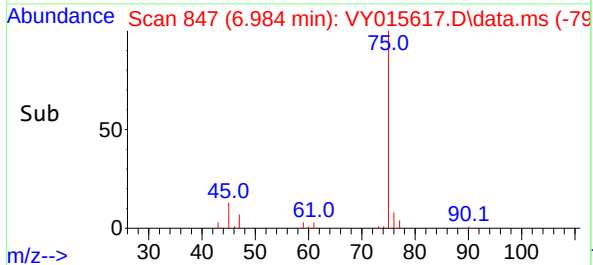
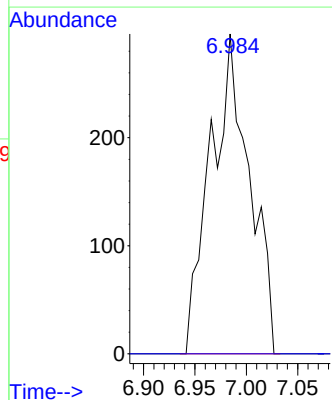
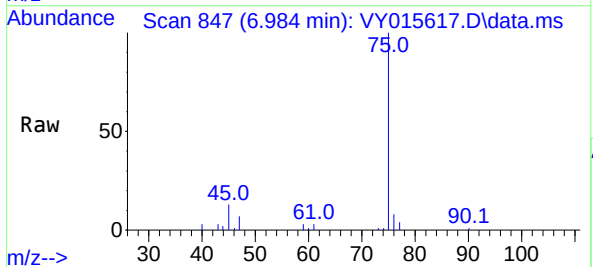
Instrument :
MSVOA_Y
ClientSampleId :

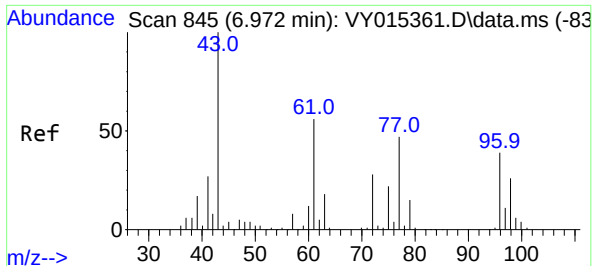
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
58 14.6 22.7 34.1#



#25
2-Butanone
Concen: 3.894 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.802 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY015617.D

Acq: 18 Sep 2023 16:12

Instrument :

MSVOA_Y

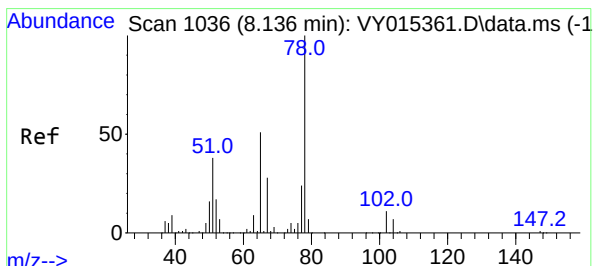
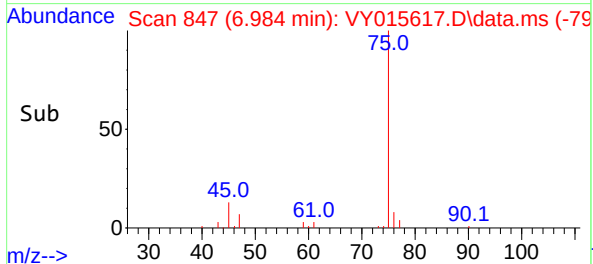
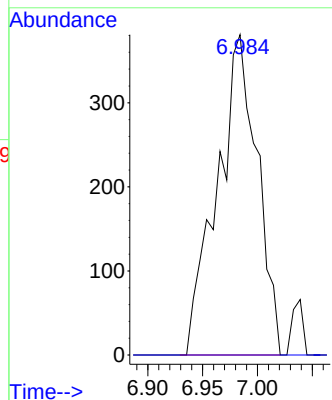
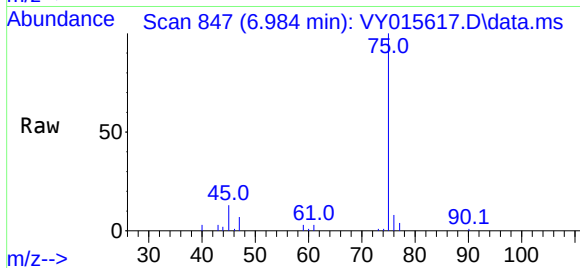
ClientSampleId :

Tgt Ion: 77 Resp: 968

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 45.763 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015617.D

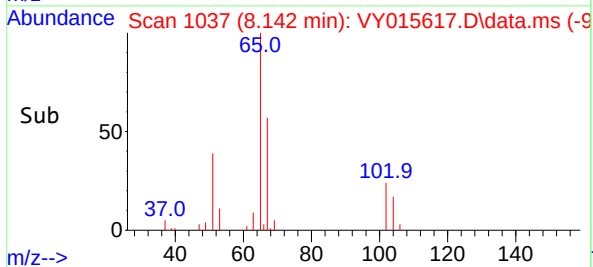
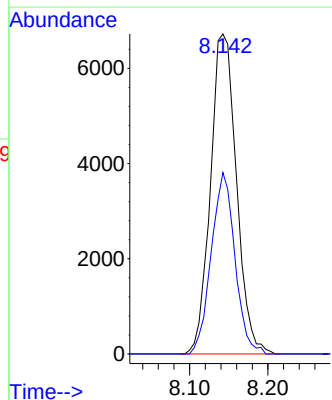
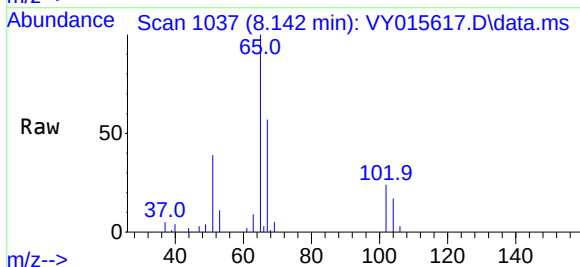
Acq: 18 Sep 2023 16:12

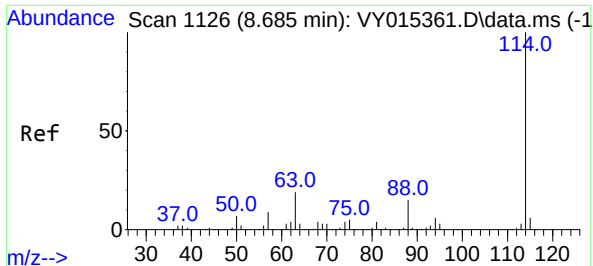
Tgt Ion: 65 Resp: 15502

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015617.D

Acq: 18 Sep 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

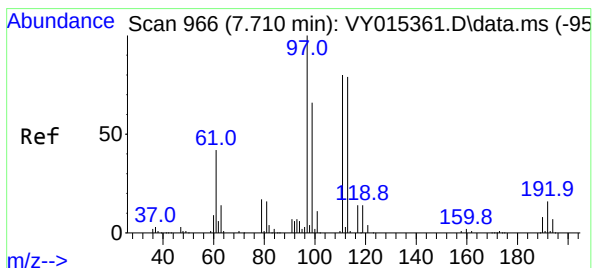
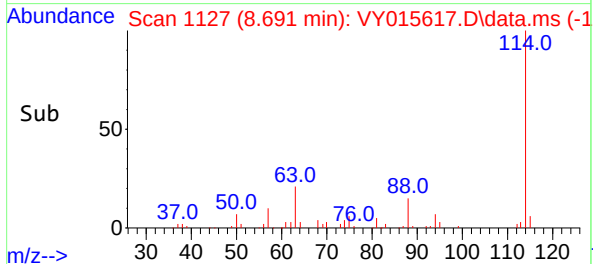
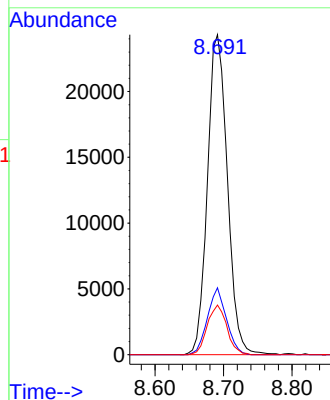
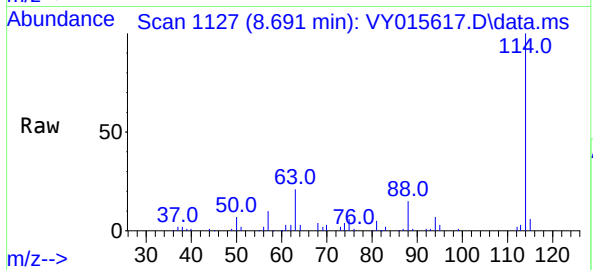
Tgt Ion:114 Resp: 49220

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.586 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015617.D

Acq: 18 Sep 2023 16:12

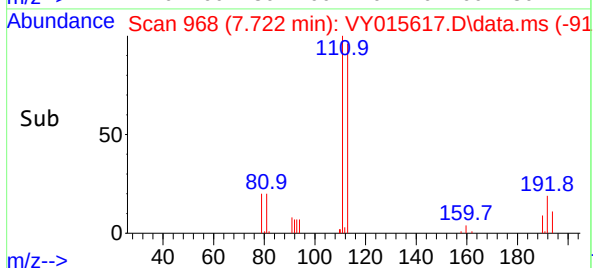
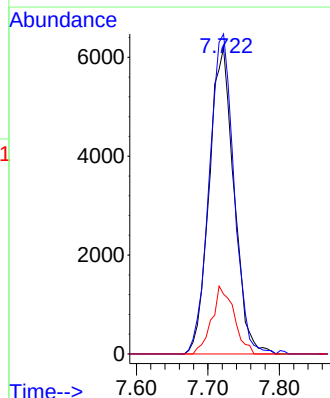
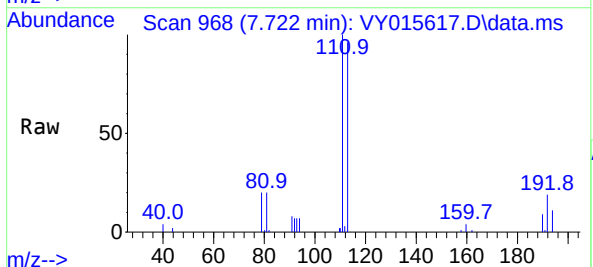
Tgt Ion:113 Resp: 14908

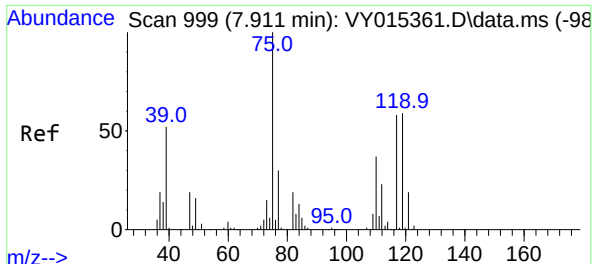
Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.080 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

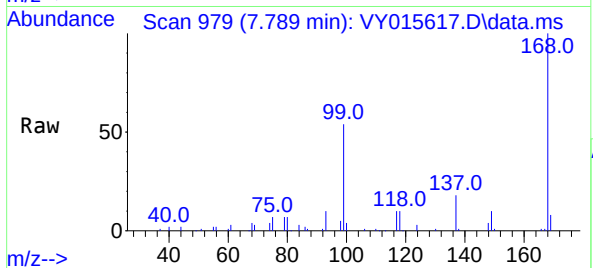
Lab File: VY015617.D

Acq: 18 Sep 2023 16:12

Instrument :

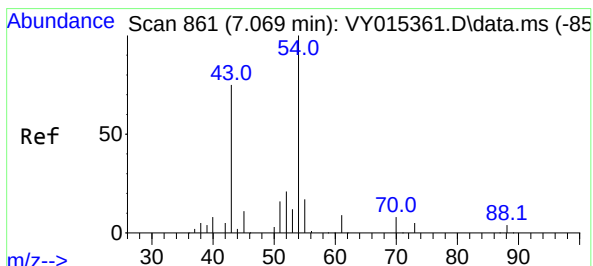
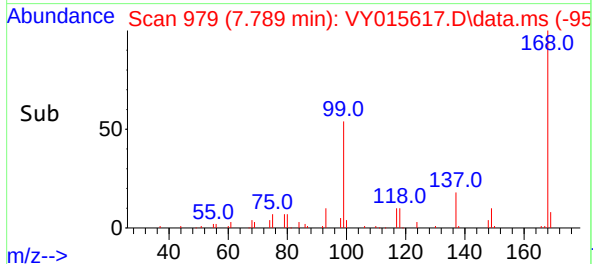
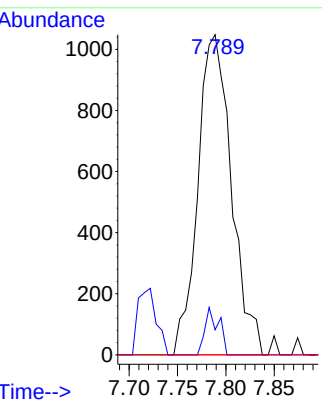
MSVOA_Y

ClientSampleId :



Tgt Ion: 75 Resp: 2529

Ion	Ratio	Lower	Upper
75	100		
110	6.0	17.8	53.5#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 2.034 ug/l

RT: 6.984 min Scan# 847

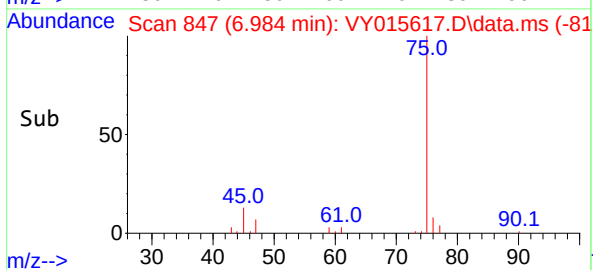
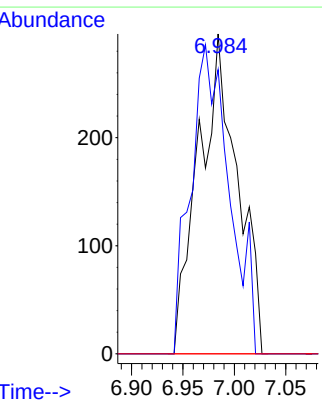
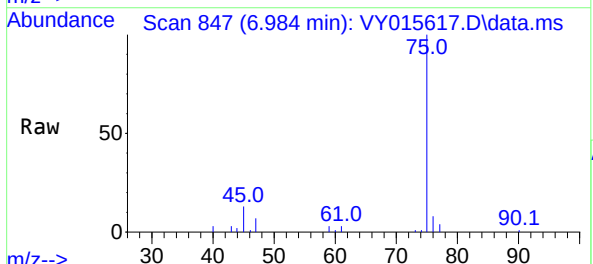
Delta R.T. -0.079 min

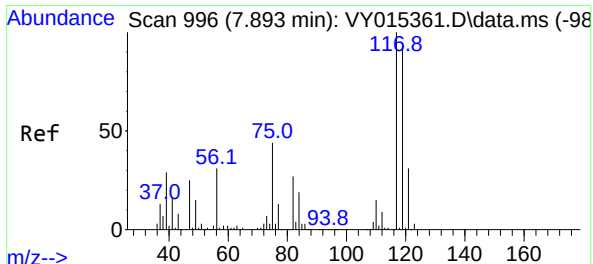
Lab File: VY015617.D

Acq: 18 Sep 2023 16:12

Tgt Ion: 43 Resp: 781

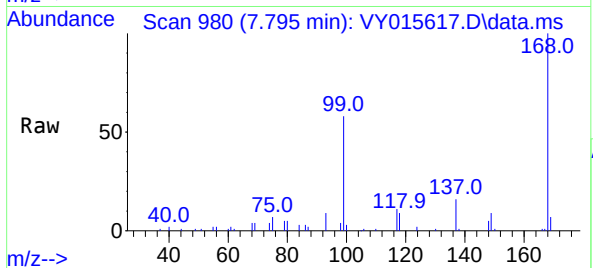
Ion	Ratio	Lower	Upper
43	100		
61	96.3	10.1	15.1#
70	0.0	7.1	10.7#



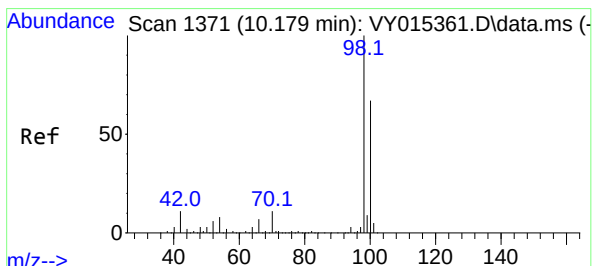
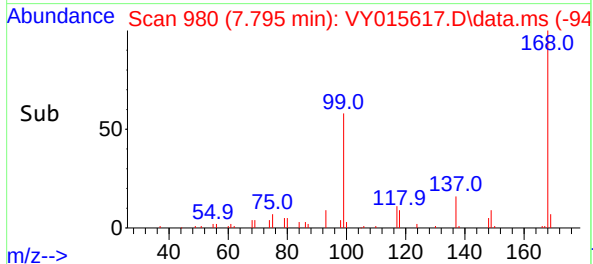
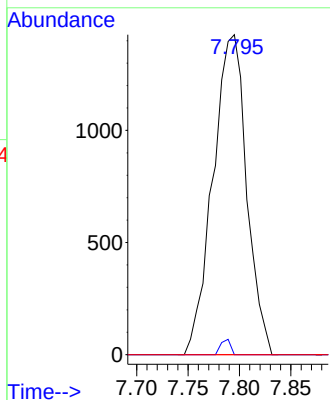


#38
Carbon Tetrachloride
Concen: 6.331 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :

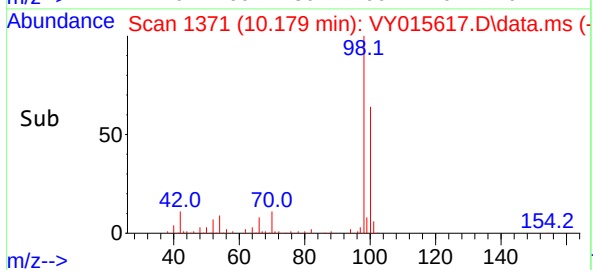
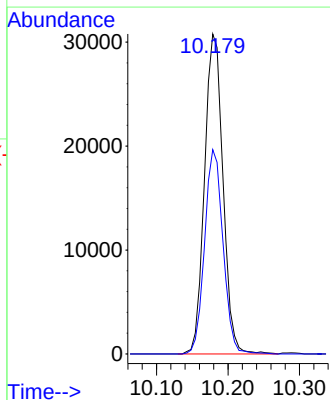
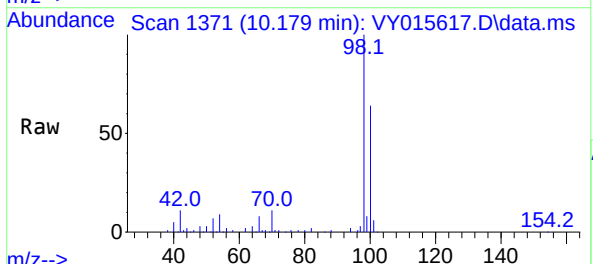


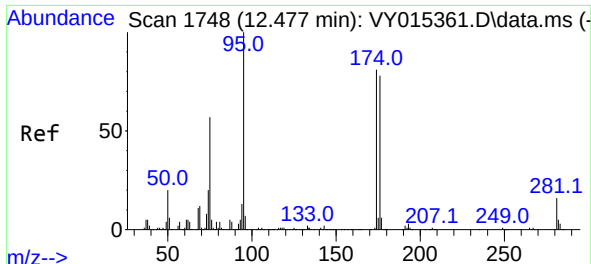
Tgt Ion:117 Resp: 3255
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 53.728 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

Tgt Ion: 98 Resp: 55160
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1

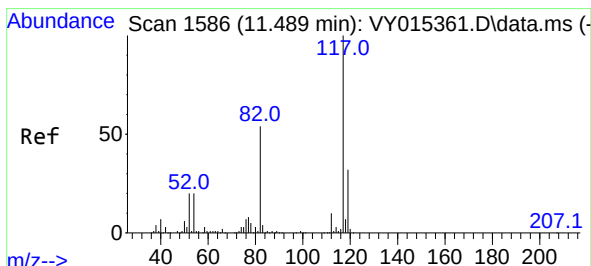
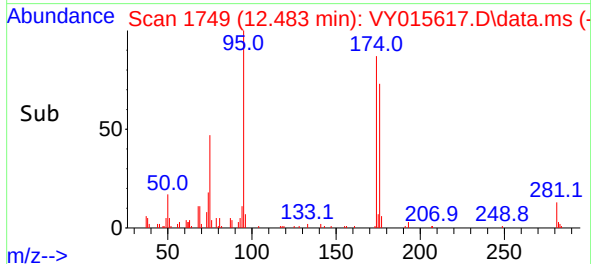
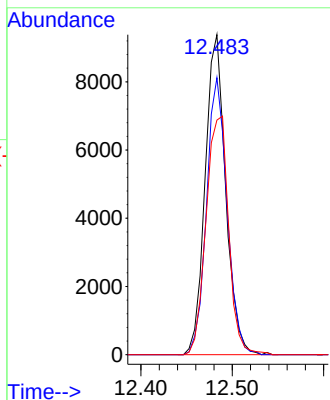
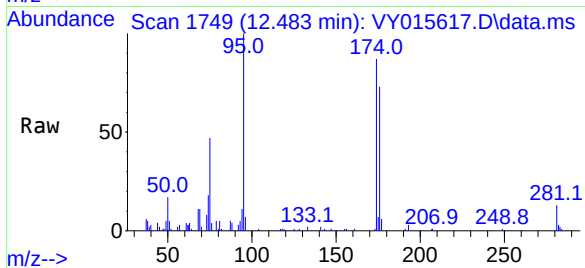




#62
4-Bromofluorobenzene
Concen: 38.328 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

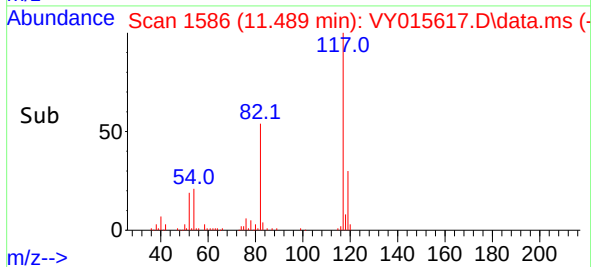
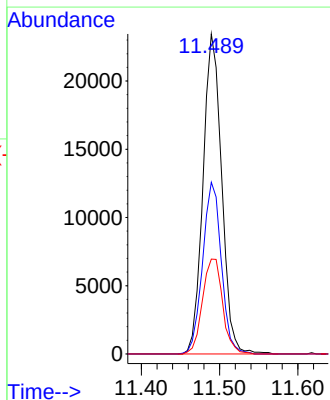
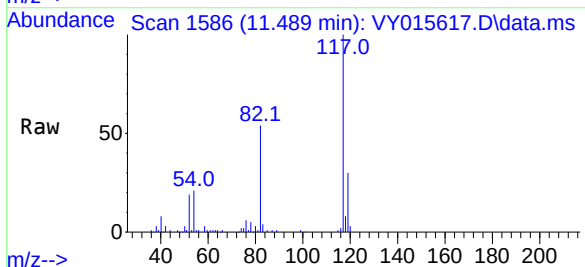
Instrument :
MSVOA_Y
ClientSampleId :

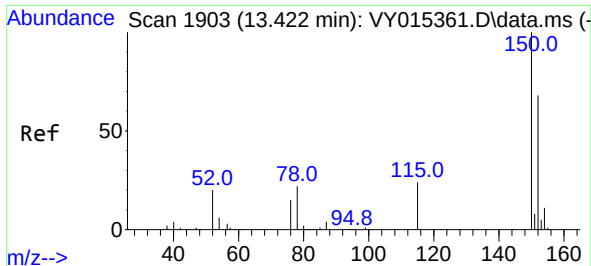
Tgt Ion: 95 Resp: 14608
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

Tgt Ion: 117 Resp: 38767
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 29.6 26.3 39.5

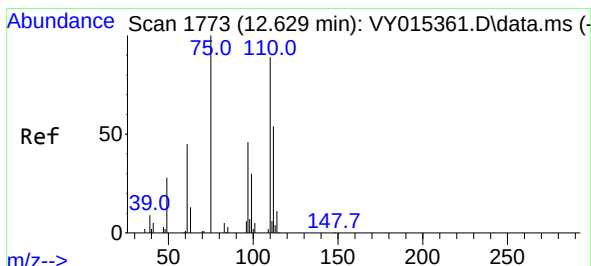
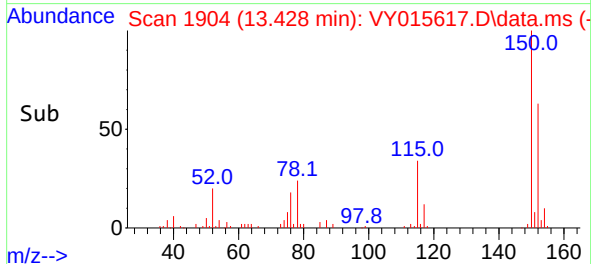
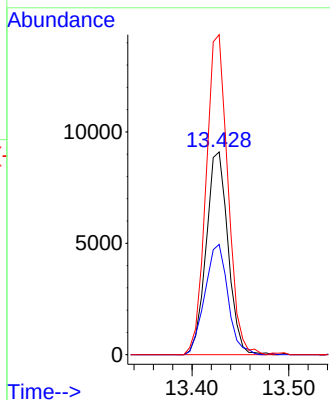
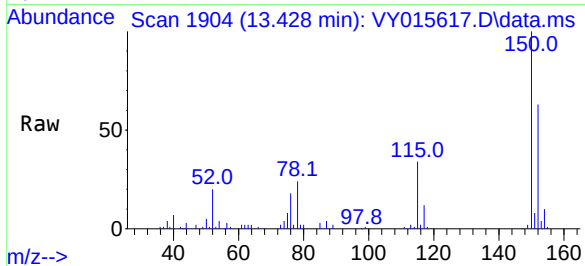




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

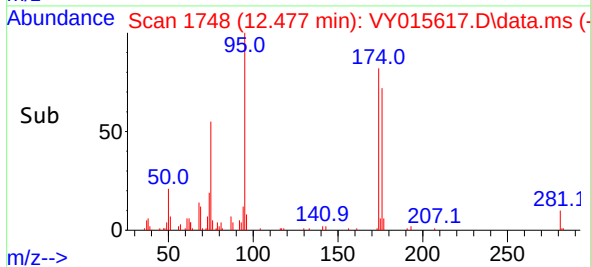
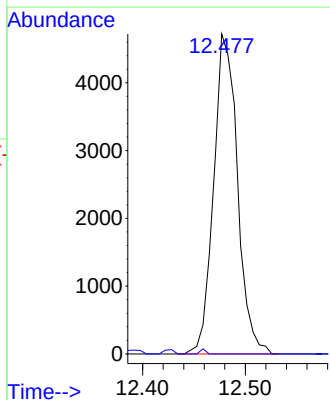
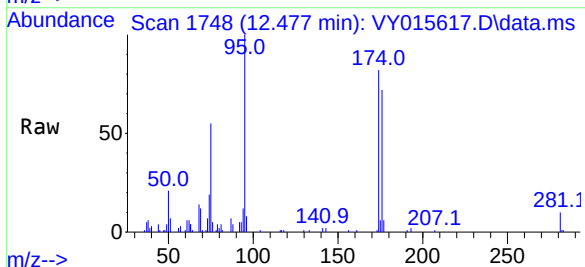
Instrument :
MSVOA_Y
ClientSampleId :

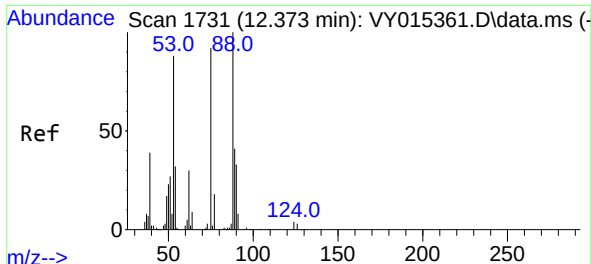
Tgt Ion:152 Resp: 14321
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 157.3 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 39.876 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

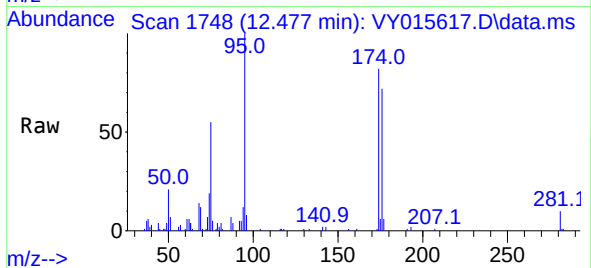
Tgt Ion: 75 Resp: 7573
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



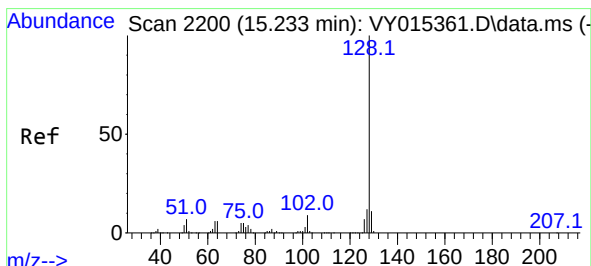
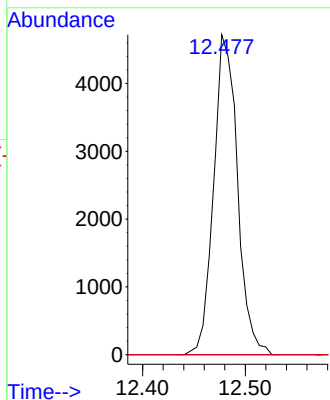
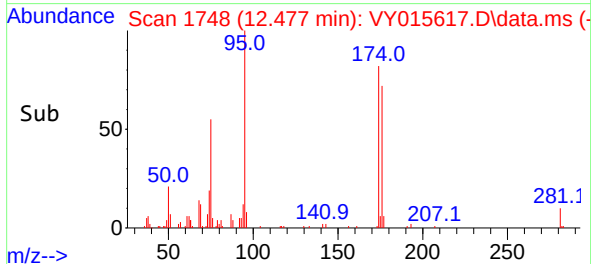


#81
trans-1,4-Dichloro-2-butene
Concen: 87.963 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12

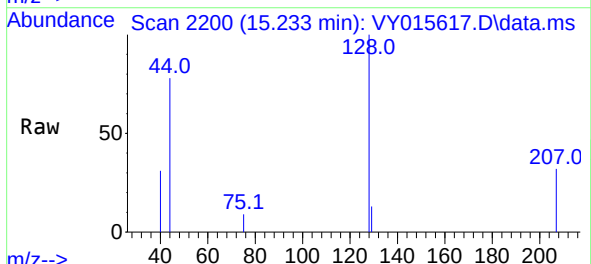
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 7573
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.724 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015617.D
Acq: 18 Sep 2023 16:12



Tgt Ion: 128 Resp: 1231
Ion Ratio Lower Upper
128 100
127 5.6 10.8 16.2#
129 4.6 8.6 13.0#

