

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021607.D
 Acq On : 21 Mar 2025 18:09
 Operator : SY/MD
 Sample : Q1607-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-031925

Quant Time: Mar 21 23:13:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

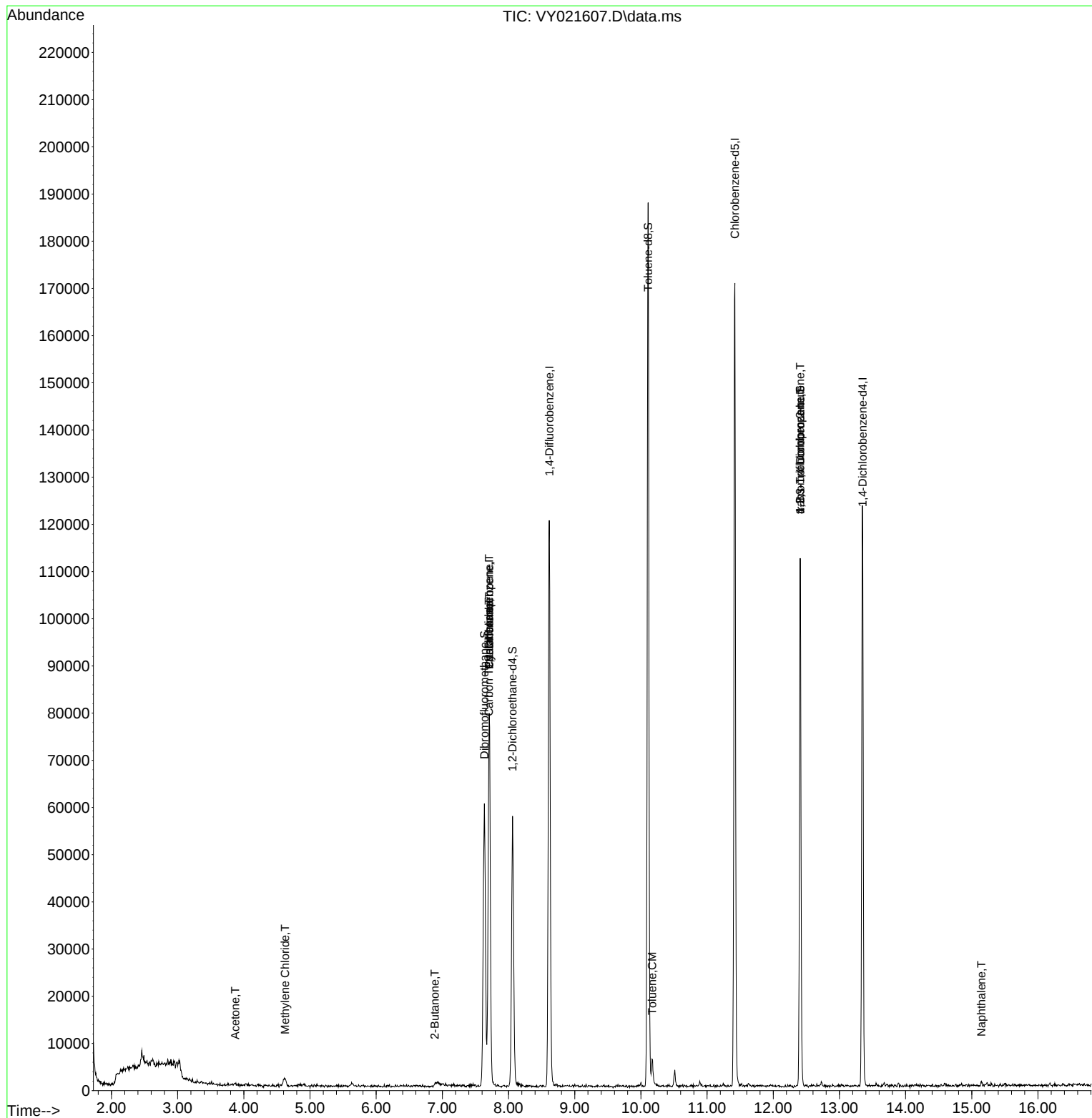
Internal Standards						
1) Pentafluorobenzene	7.707	168	57070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	100390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	91780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	30450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	43934	72.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.680%	
35) Dibromofluoromethane	7.634	113	41414	62.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.520%	
50) Toluene-d8	10.109	98	119984	48.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.040%	
62) 4-Bromofluorobenzene	12.408	95	32500	38.240	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	344	Below Cal	#	72
16) Acetone	3.872	43	629	4.781	ug/l #	47
20) Methylene Chloride	4.622	84	1390	2.013	ug/l #	63
25) 2-Butanone	6.884	43	227	1.247	ug/l #	48
31) Cyclohexane	7.707	56	1395	1.235	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	5348	5.178	ug/l #	47
38) Carbon Tetrachloride	7.701	117	5992	5.044	ug/l #	19
52) Toluene	10.170	92	2065	1.076	ug/l	93
76) 1,2,3-Trichloropropane	12.408	75	17301	56.384	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	17301	128.180	ug/l #	10
95) Naphthalene	15.145	128	541	2.104	ug/l #	89

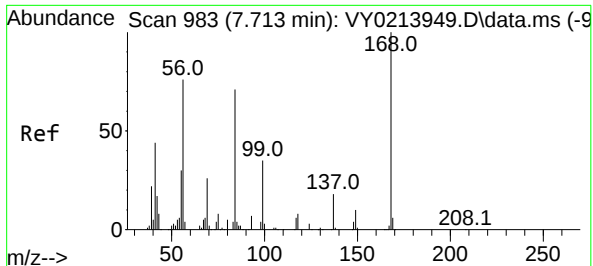
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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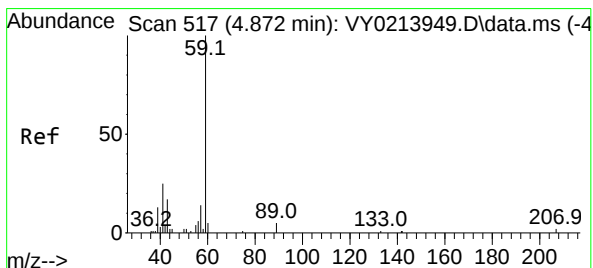
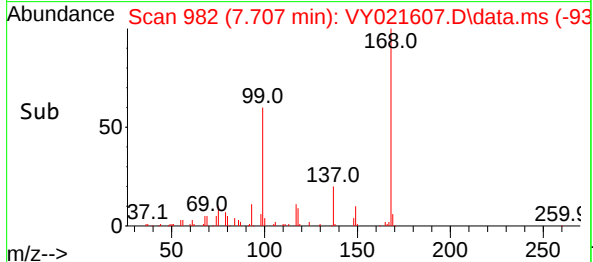
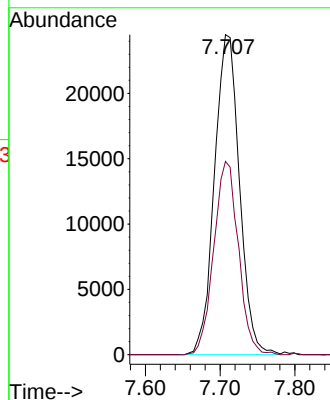
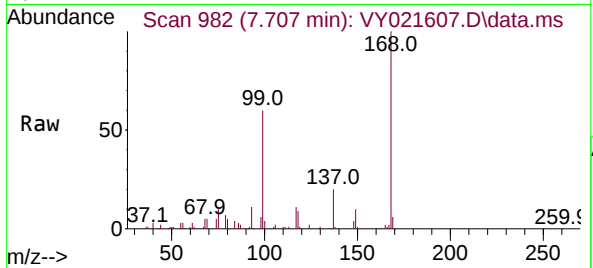




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

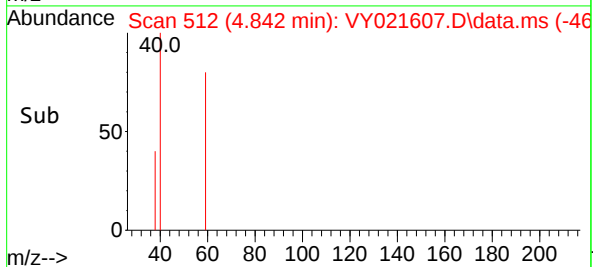
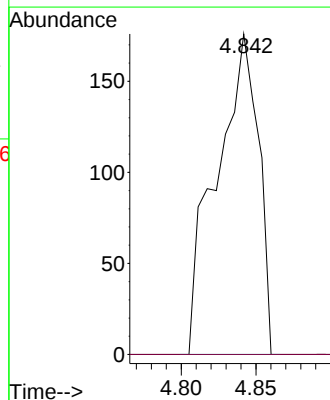
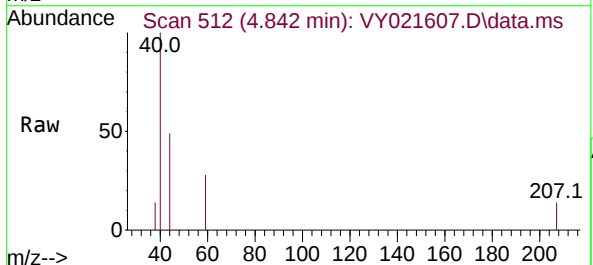
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925

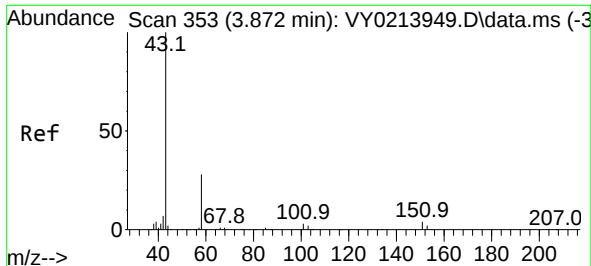
Tgt Ion:168 Resp: 57070
Ion Ratio Lower Upper
168 100
99 60.4 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

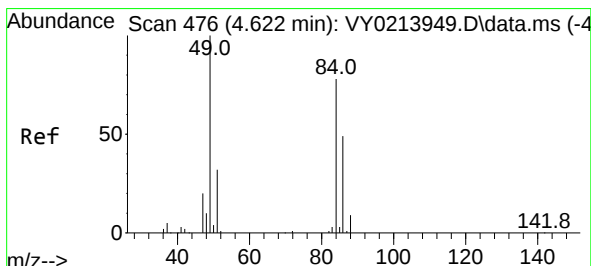
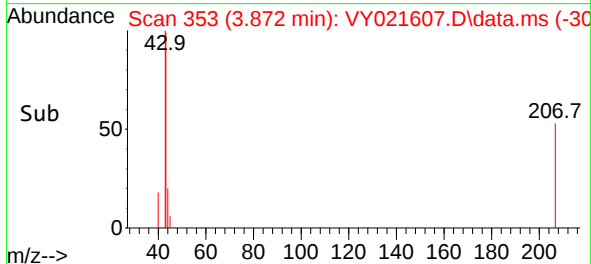
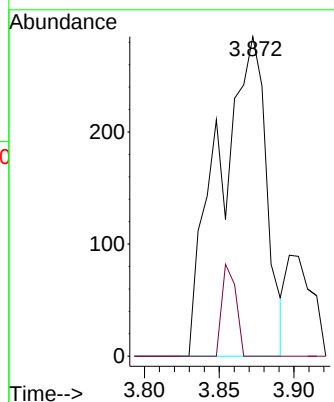
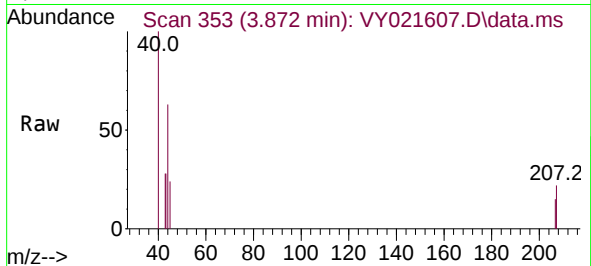




#16
Acetone
Concen: 4.781 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

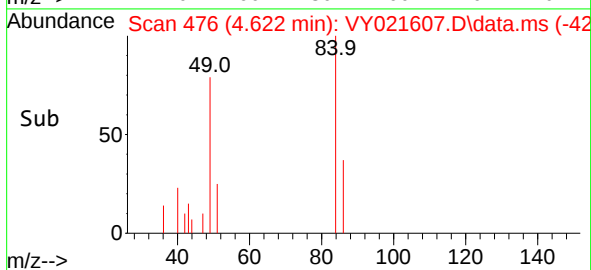
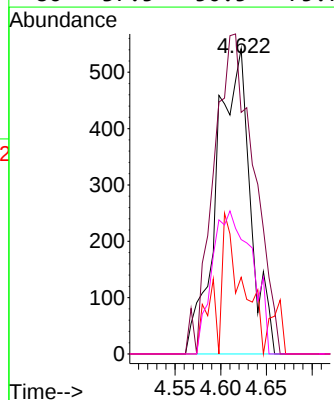
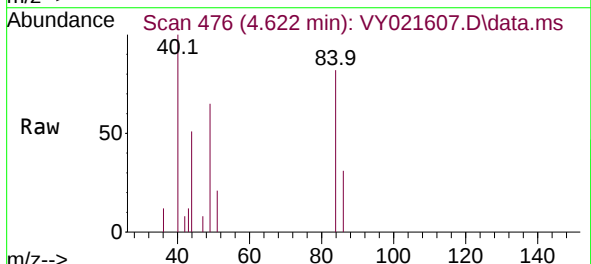
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925

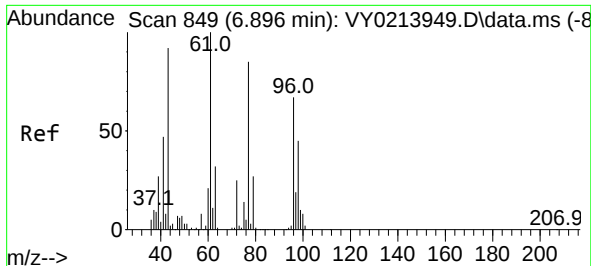
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 2.013 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion: 84 Resp: 1390
Ion Ratio Lower Upper
84 100
49 79.2 102.0 153.0#
51 25.1 33.0 49.6#
86 37.5 50.5 75.7#

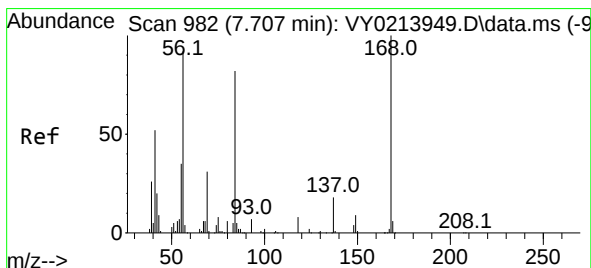
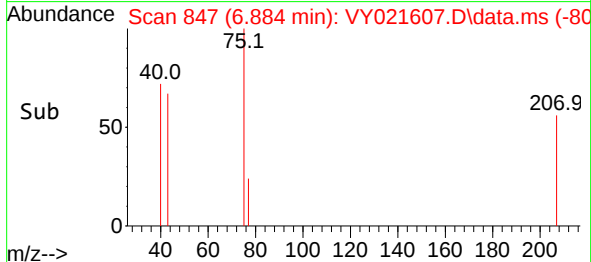
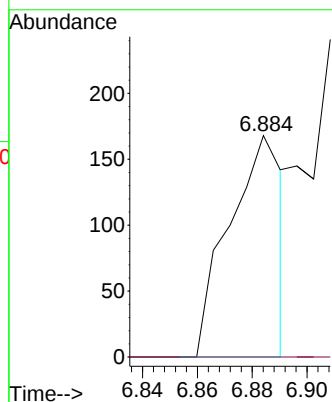
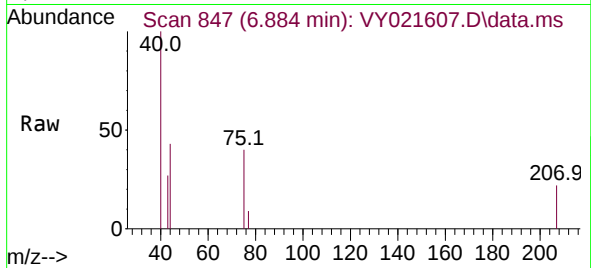




#25
2-Butanone
Concen: 1.247 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

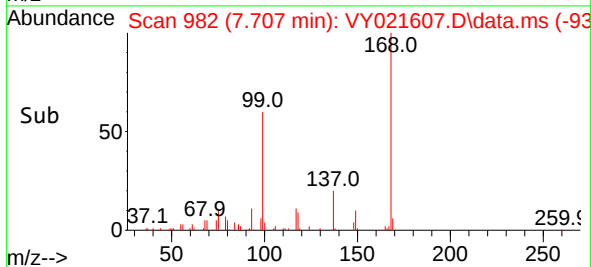
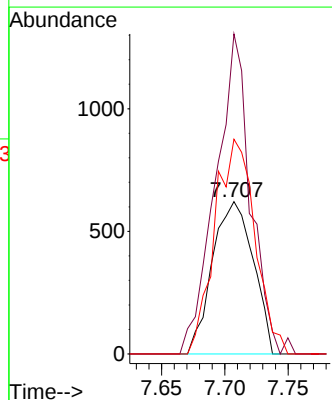
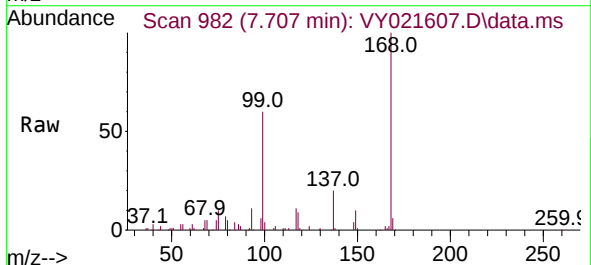
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925

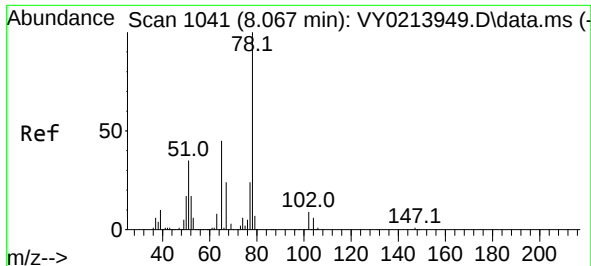
Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion: 56 Resp: 1395
Ion Ratio Lower Upper
56 100
69 210.1 27.0 40.4#
84 141.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 72.835 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021607.D

Acq: 21 Mar 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

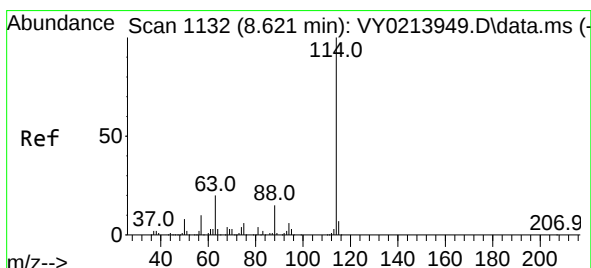
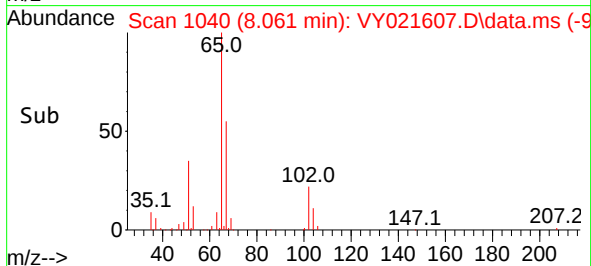
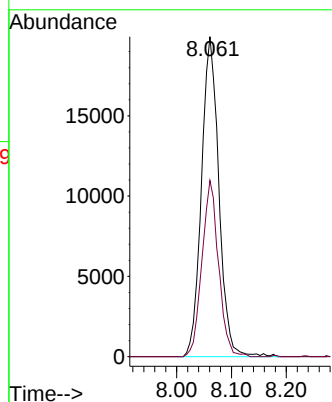
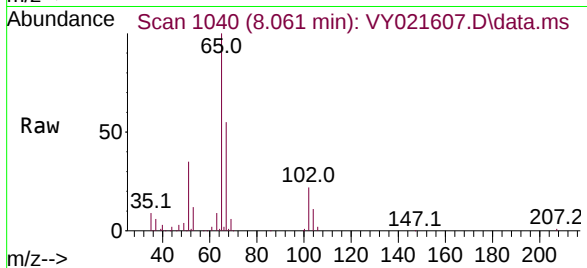
OR-03-031925

Tgt Ion: 65 Resp: 43934

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021607.D

Acq: 21 Mar 2025 18:09

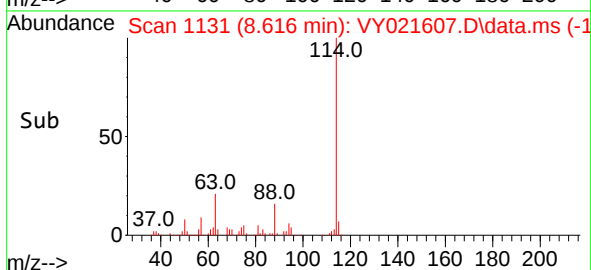
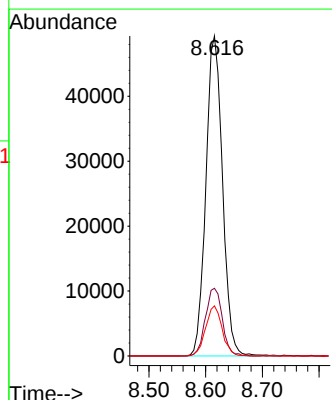
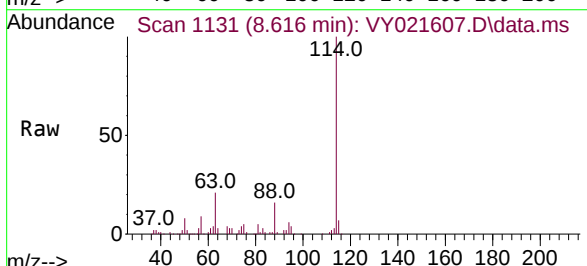
Tgt Ion:114 Resp: 100390

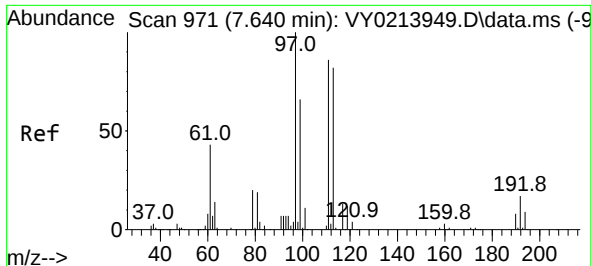
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.6 0.0 30.8

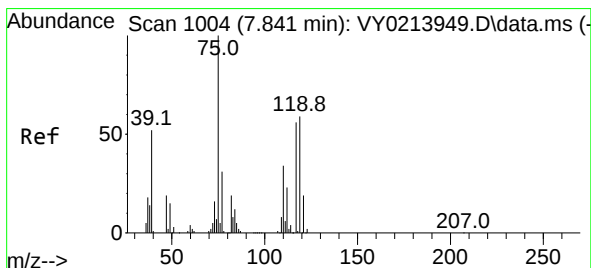
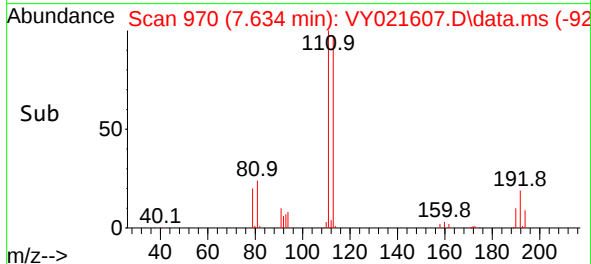
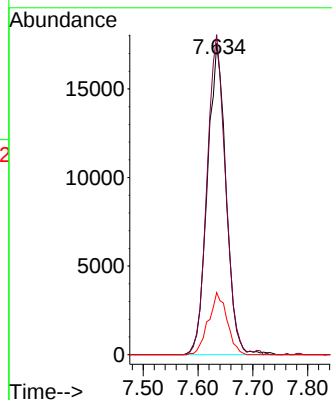
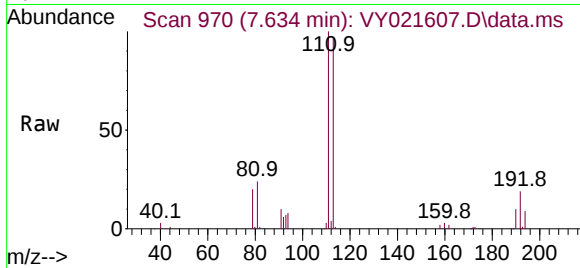




#35
Dibromofluoromethane
Concen: 62.760 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

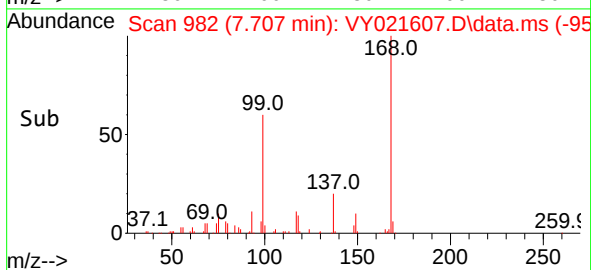
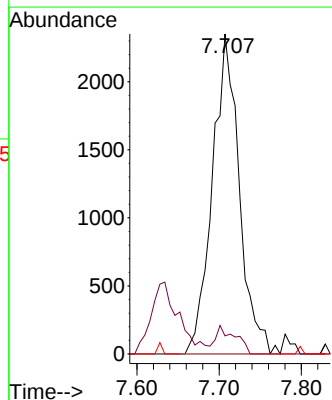
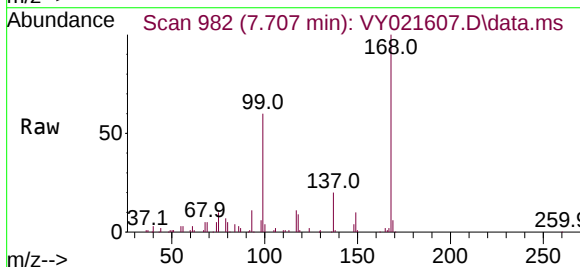
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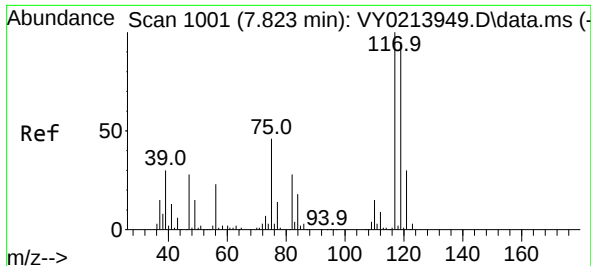
Tgt Ion:113 Resp: 41414
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 19.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.178 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion: 75 Resp: 5348
Ion Ratio Lower Upper
75 100
110 6.3 17.3 51.7#
77 0.0 25.4 38.2#

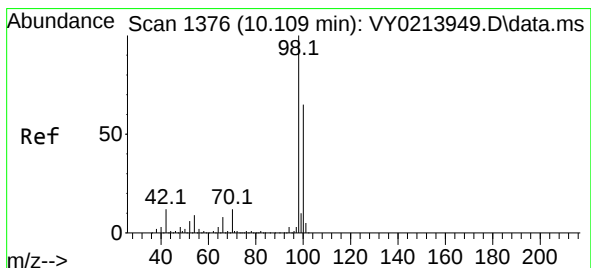
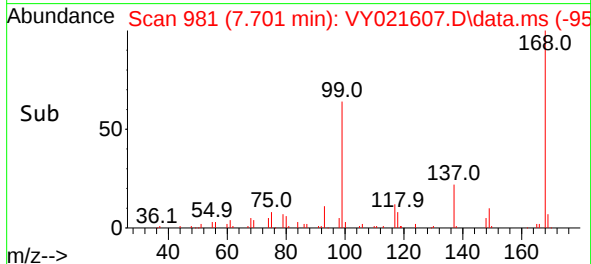
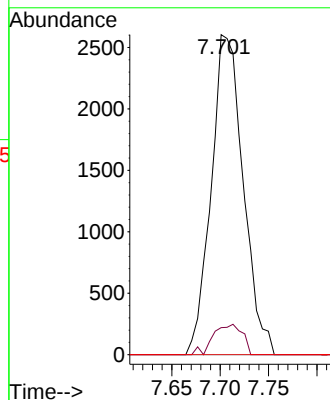
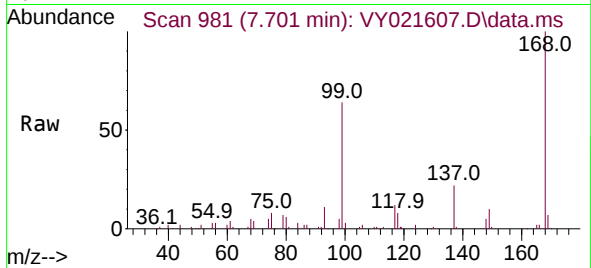




#38
Carbon Tetrachloride
Concen: 5.044 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

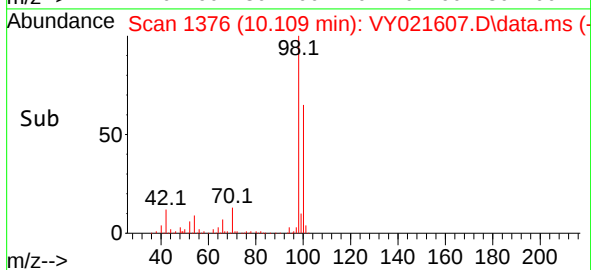
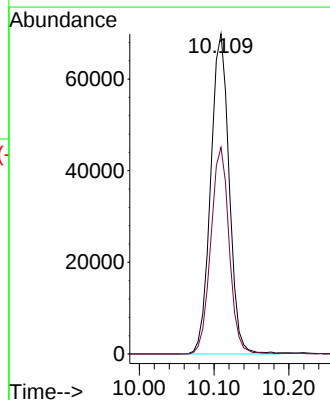
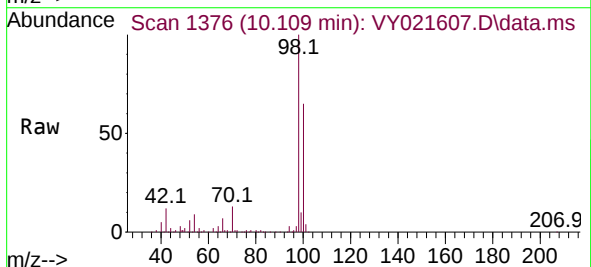
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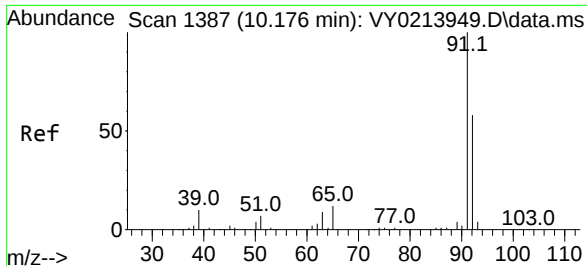
Tgt Ion:117 Resp: 5992
Ion Ratio Lower Upper
117 100
119 8.4 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 48.022 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion: 98 Resp: 119984
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

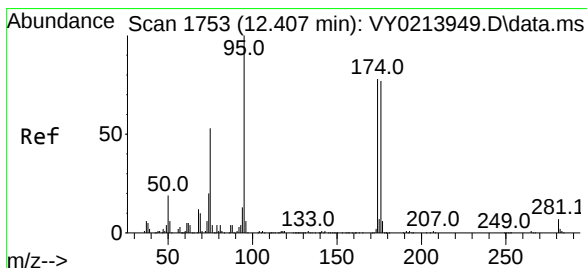
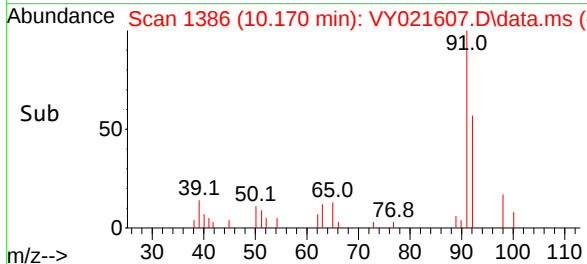
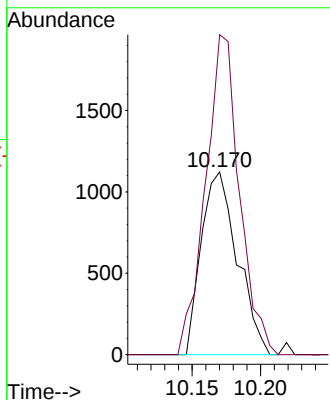
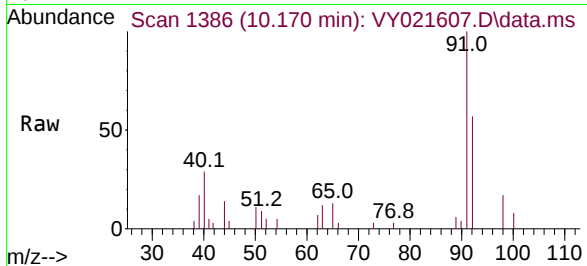




#52
Toluene
Concen: 1.076 ug/l
RT: 10.170 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

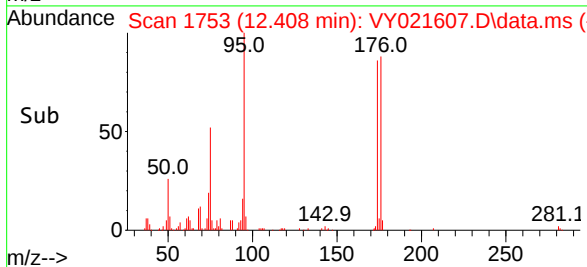
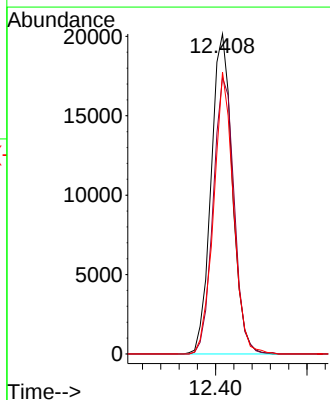
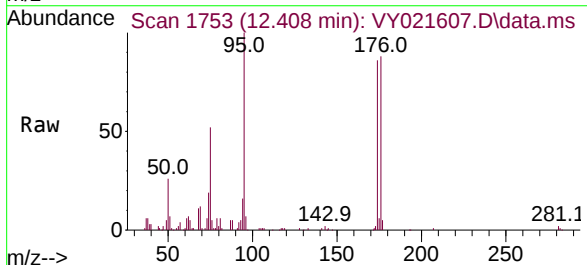
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925

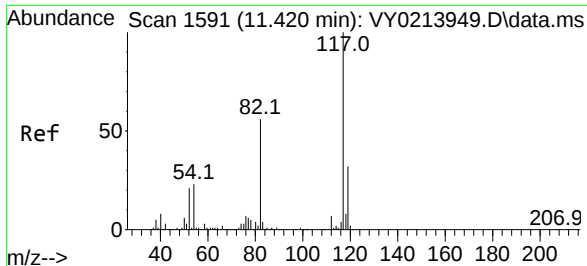
Tgt Ion: 92 Resp: 2065
Ion Ratio Lower Upper
92 100
91 163.6 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 38.240 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion: 95 Resp: 32500
Ion Ratio Lower Upper
95 100
174 85.6 0.0 165.0
176 81.7 0.0 160.0

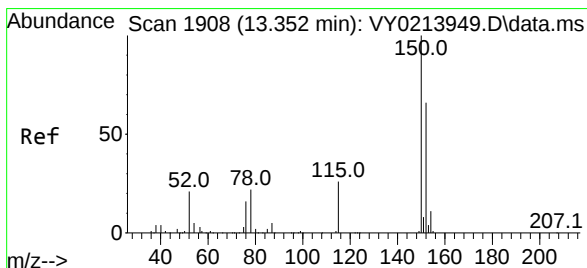
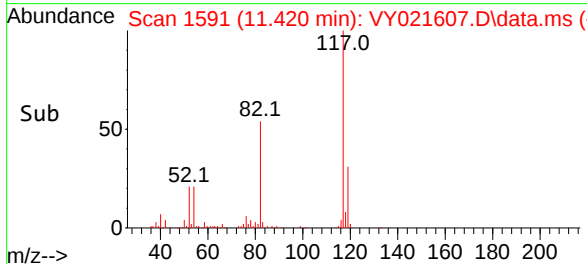
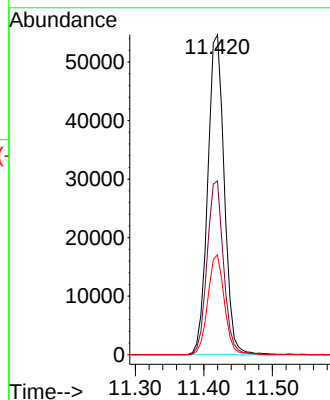
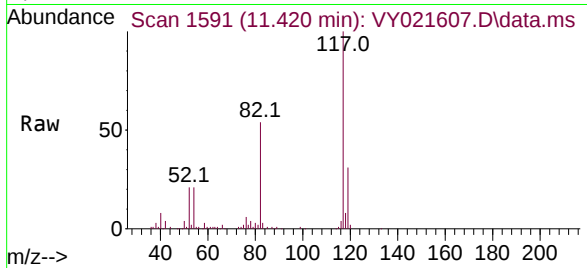




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

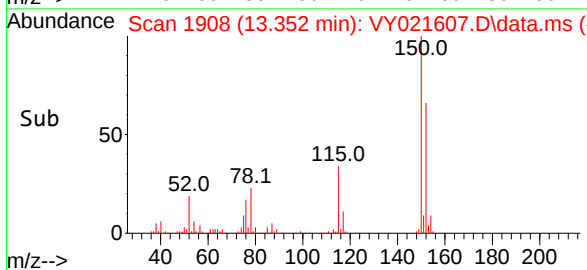
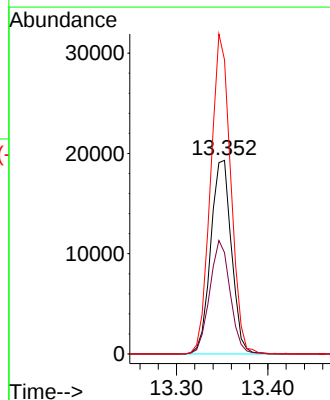
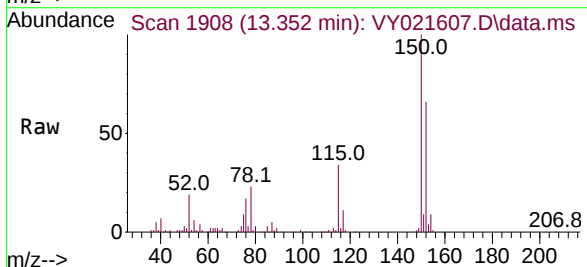
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925

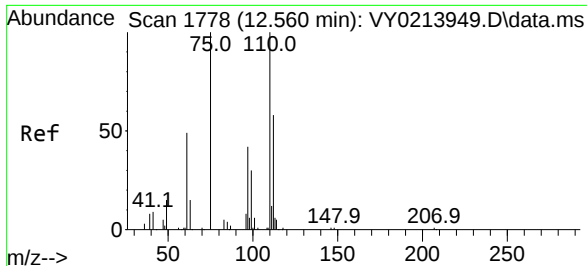
Tgt Ion:117 Resp: 91780
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Tgt Ion:152 Resp: 30450
Ion Ratio Lower Upper
152 100
115 57.7 29.0 87.0
150 159.6 0.0 347.2

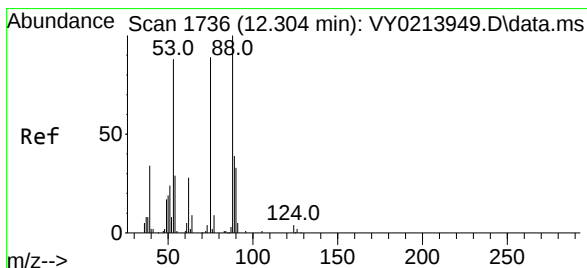
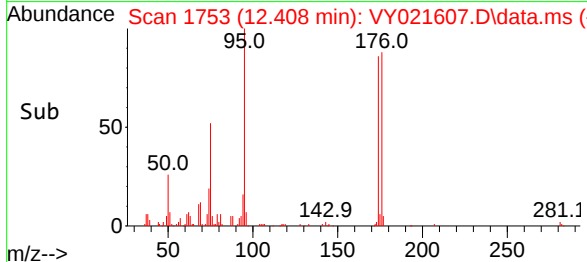
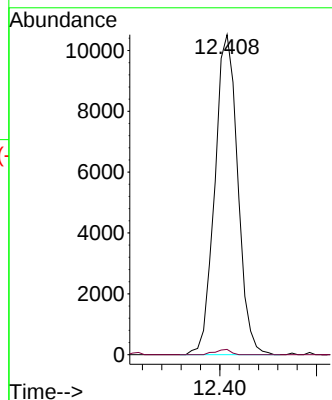
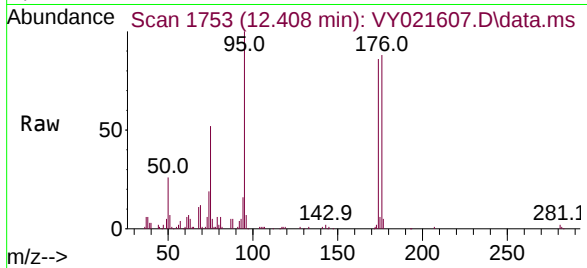




#76
1,2,3-Trichloropropane
Concen: 56.384 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

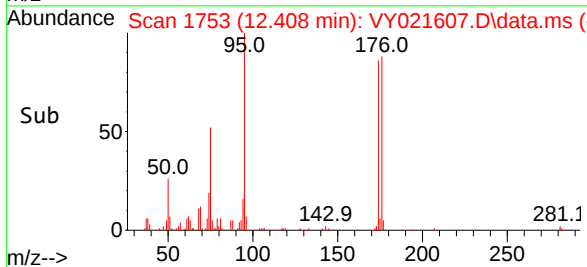
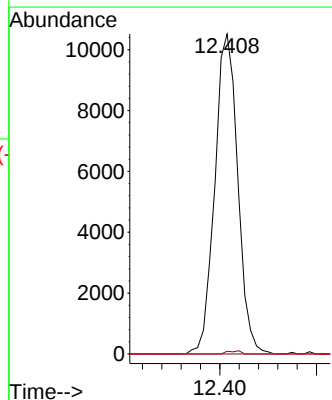
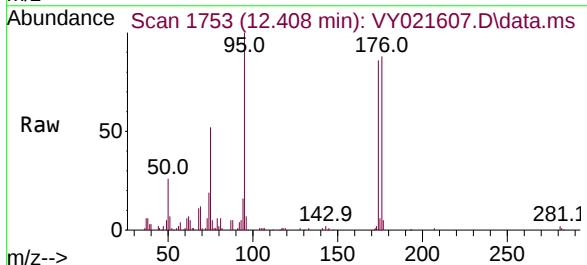
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925

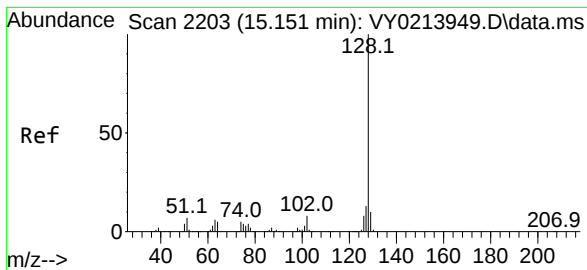
Tgt Ion: 75 Resp: 17301
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.180 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

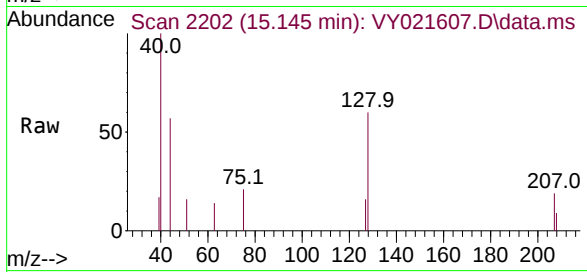
Tgt Ion: 75 Resp: 17301
Ion Ratio Lower Upper
75 100
53 0.5 81.0 121.4#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 2.104 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021607.D
Acq: 21 Mar 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-031925



Tgt Ion:128 Resp: 541
Ion Ratio Lower Upper
128 100
127 11.5 10.6 15.8
129 3.5 8.6 13.0#

