

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021467.D
 Acq On : 07 Mar 2025 17:36
 Operator : SY/MD
 Sample : Q1508-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251372

Quant Time: Mar 07 22:03:19 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)

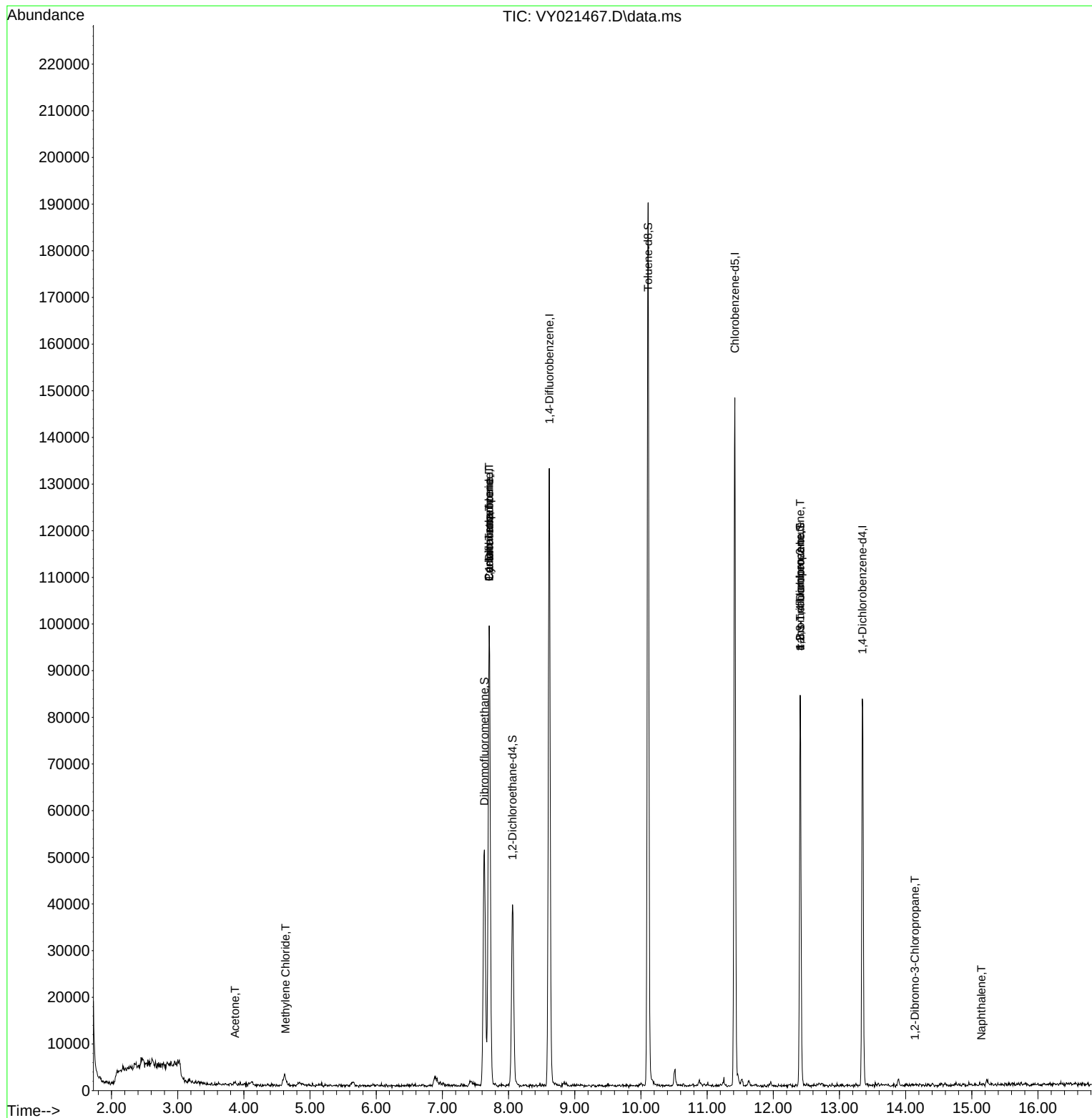
Internal Standards						
1) Pentafluorobenzene	7.707	168	71682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	105164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	75322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	20414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	31645	41.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.540%		
35) Dibromofluoromethane	7.634	113	34830	50.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.780%		
50) Toluene-d8	10.109	98	120244	45.942	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.407	95	24546	27.570	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	55.140%		
Target Compounds						
11) Tert butyl alcohol	4.866	59	378	Below Cal	#	72
16) Acetone	3.866	43	705	4.266	ug/l #	81
20) Methylene Chloride	4.628	84	1631	1.880	ug/l #	83
31) Cyclohexane	7.707	56	1864	1.314	ug/l #	52
36) 1,1-Dichloropropene	7.707	75	6261	5.786	ug/l #	52
38) Carbon Tetrachloride	7.707	117	7817	6.282	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	13054	63.459	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	13054	144.261	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.139	75	54	1.270	ug/l #	1
95) Naphthalene	15.145	128	144	1.709	ug/l #	69

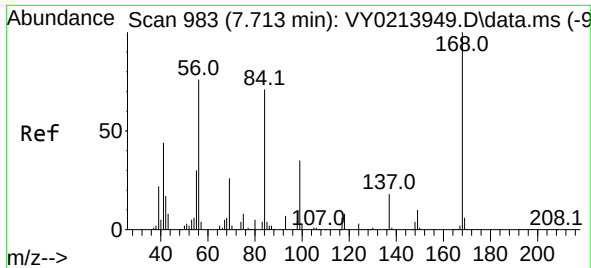
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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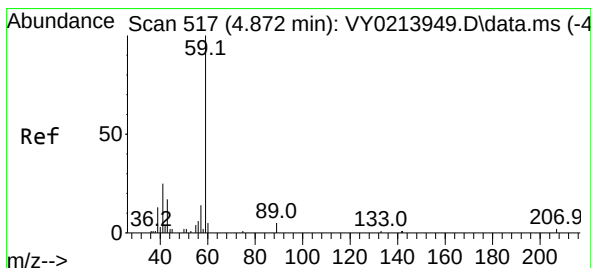
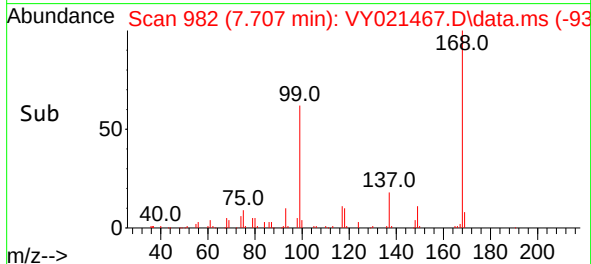
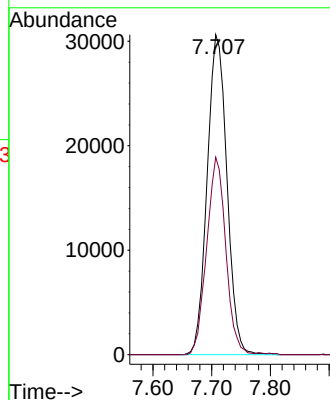
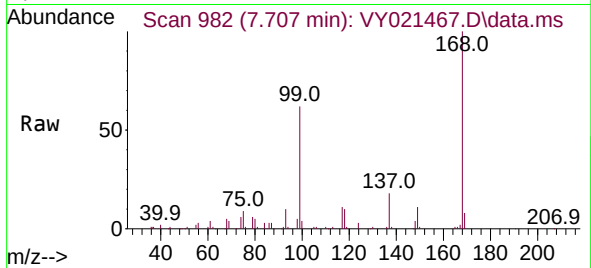




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

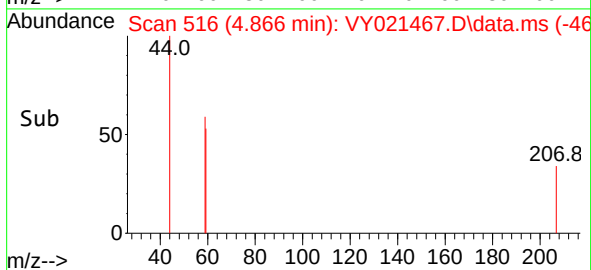
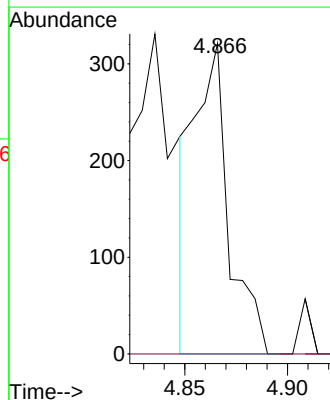
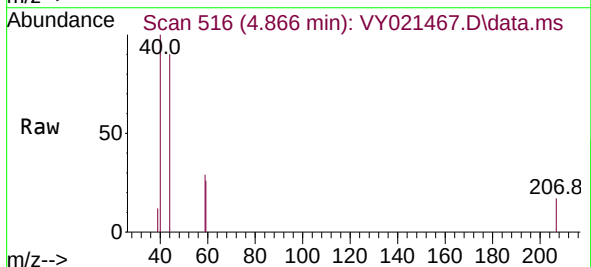
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

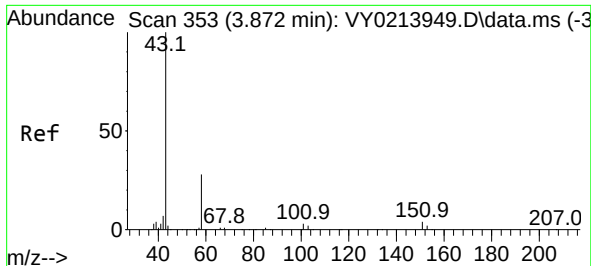
Tgt Ion:168 Resp: 71682
Ion Ratio Lower Upper
168 100
99 61.7 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

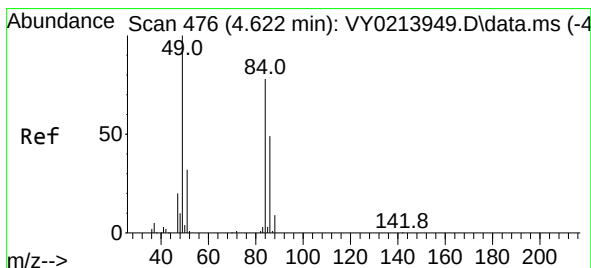
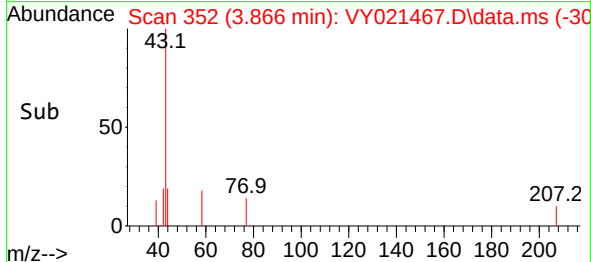
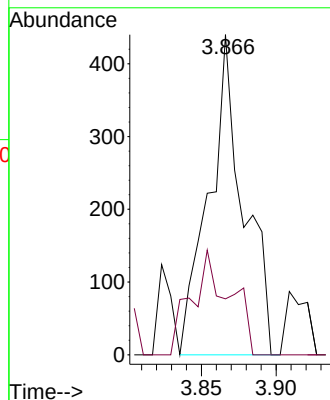
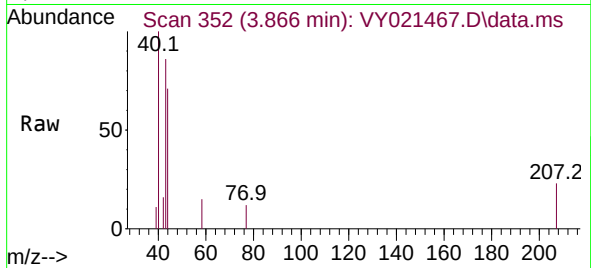




#16
Acetone
Concen: 4.266 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

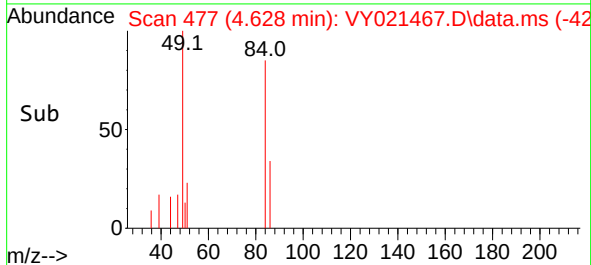
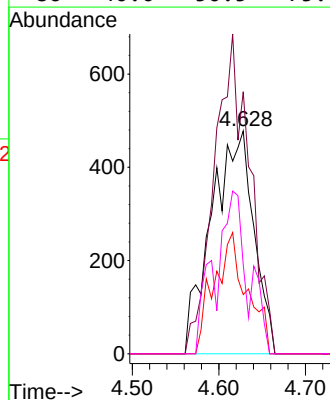
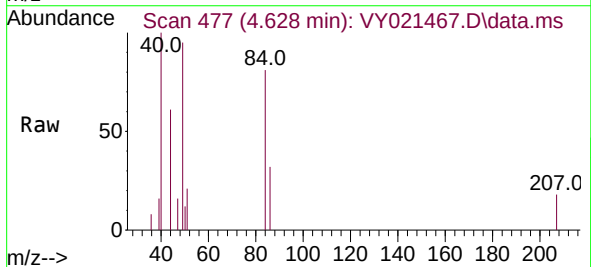
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

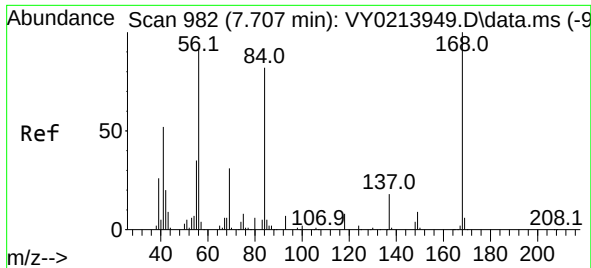
Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
58 17.5 22.1 33.1#



#20
Methylene Chloride
Concen: 1.880 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion: 84 Resp: 1631
Ion Ratio Lower Upper
84 100
49 117.6 102.0 153.0
51 26.6 33.0 49.6#
86 40.0 50.5 75.7#

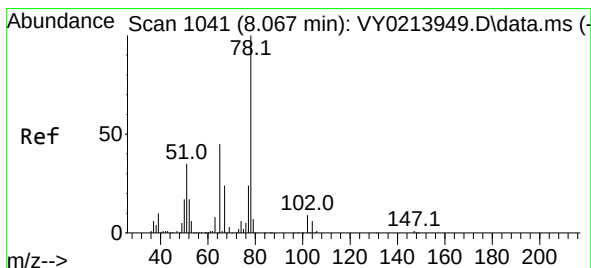
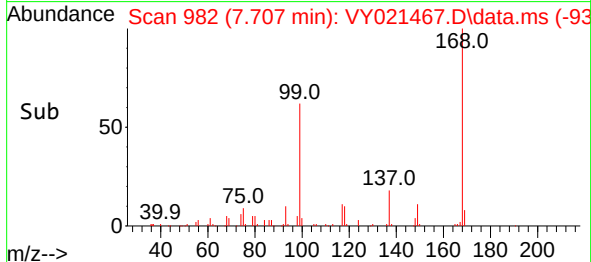
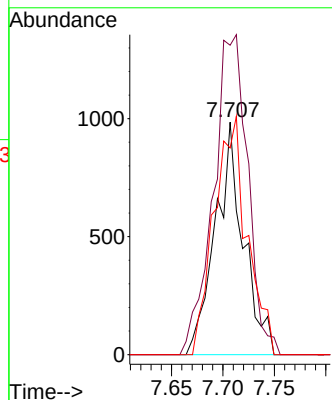
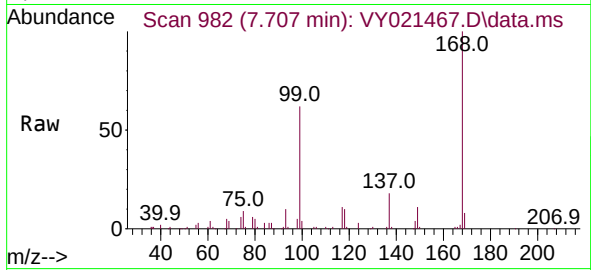




#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

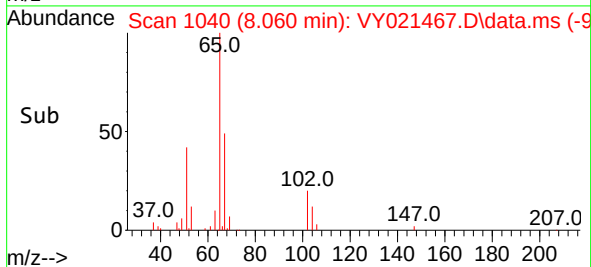
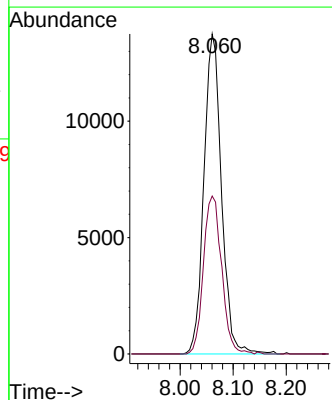
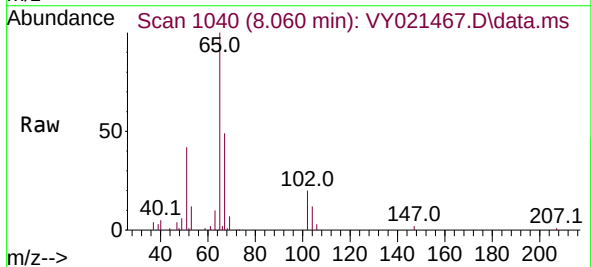
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

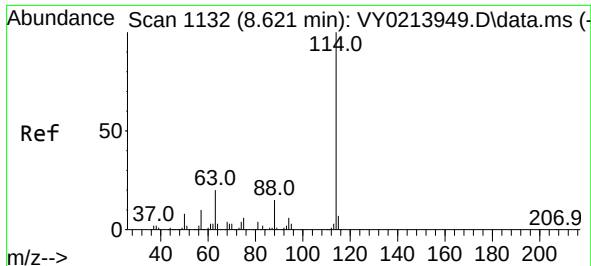
Tgt Ion: 56 Resp: 1864
Ion Ratio Lower Upper
56 100
69 133.1 27.0 40.4#
84 88.9 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 41.768 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion: 65 Resp: 31645
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.8

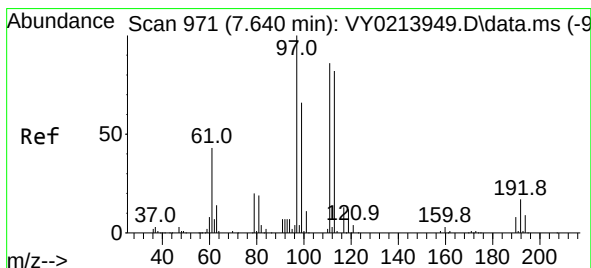
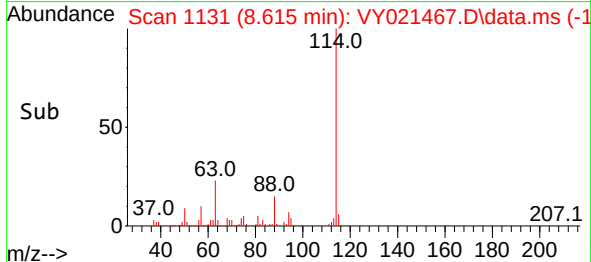
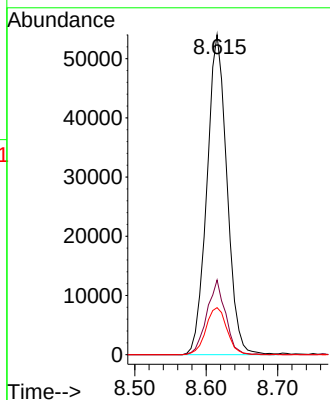
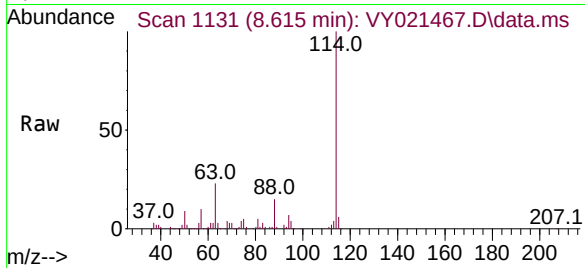




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

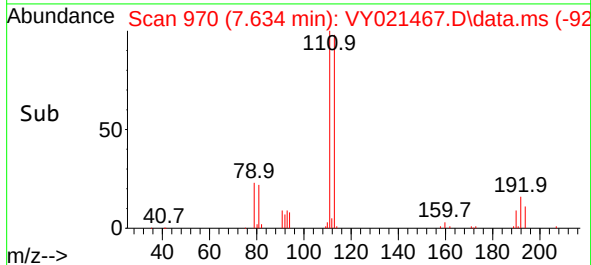
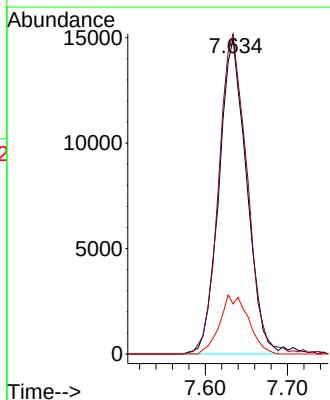
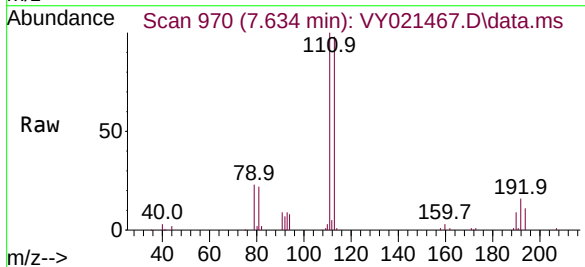
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

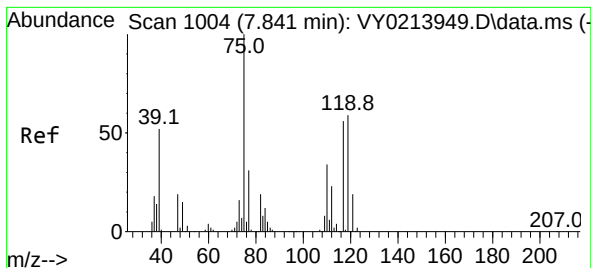
Tgt Ion:	114	Resp:	105164
Ion Ratio	Lower	Upper	
114	100		
63	23.3	0.0	40.8
88	14.7	0.0	30.8



#35
Dibromofluoromethane
Concen: 50.386 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion:	113	Resp:	34830
Ion Ratio	Lower	Upper	
113	100		
111	104.4	82.0	123.0
192	19.4	15.9	23.9





#36

1,1-Dichloropropene

Concen: 5.786 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021467.D

Acq: 07 Mar 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

RBR251372

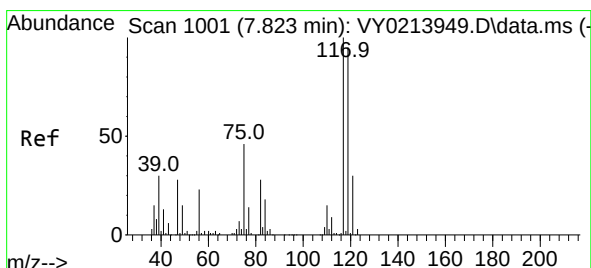
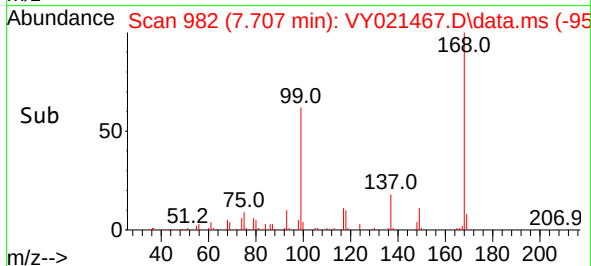
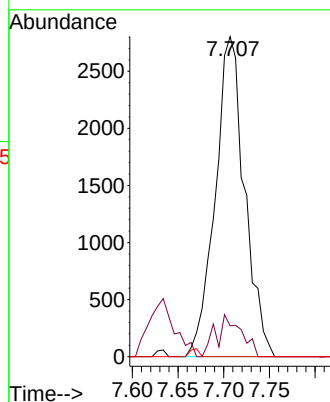
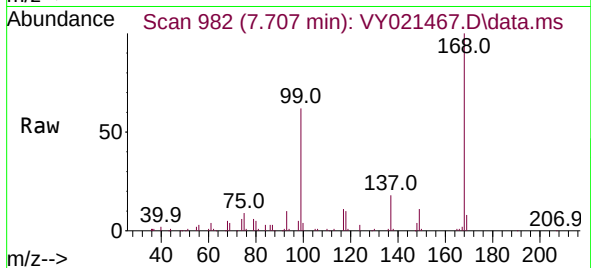
Tgt Ion: 75 Resp: 6261

Ion Ratio Lower Upper

75 100

110 11.2 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.282 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021467.D

Acq: 07 Mar 2025 17:36

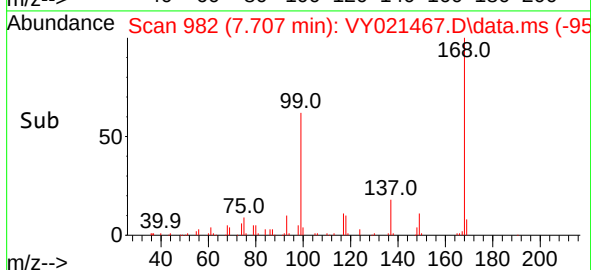
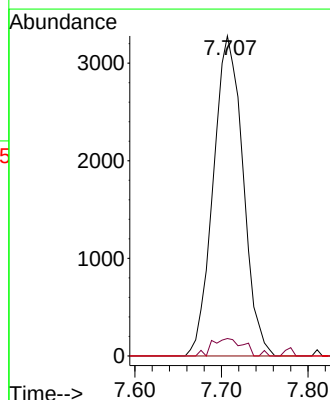
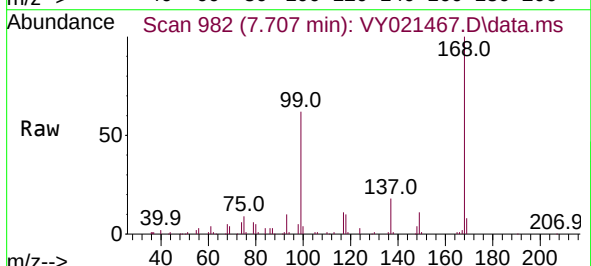
Tgt Ion: 117 Resp: 7817

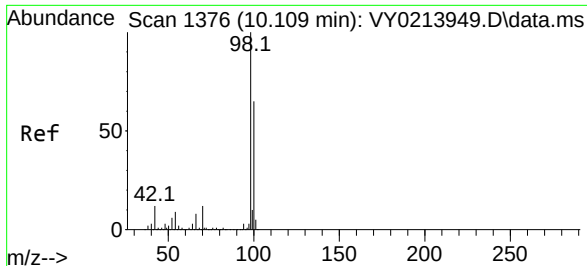
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

121 0.0 23.9 35.9#

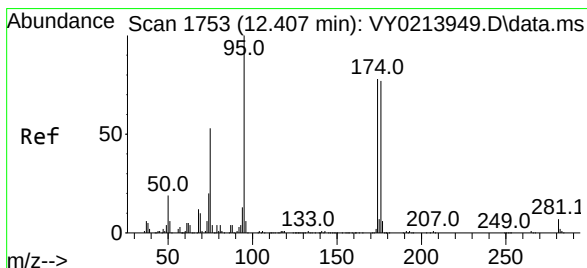
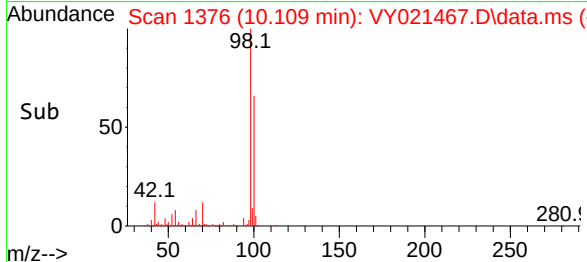
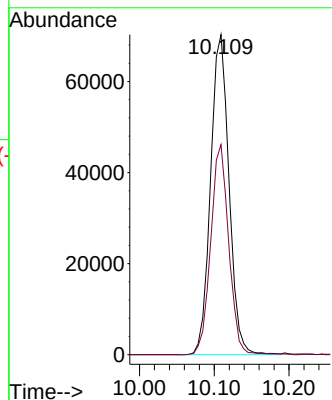
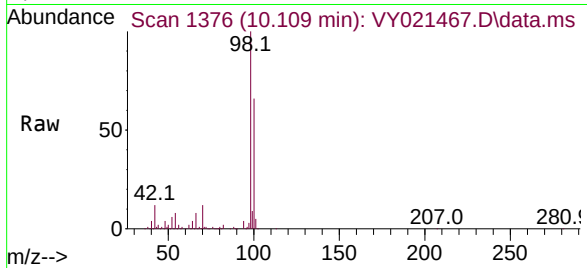




#50
Toluene-d8
Concen: 45.942 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

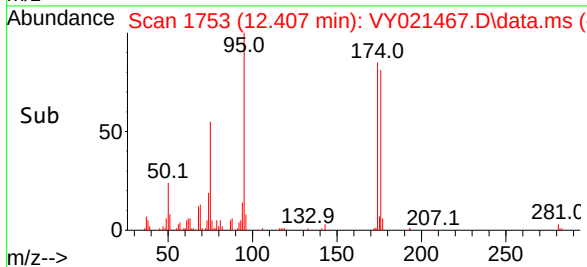
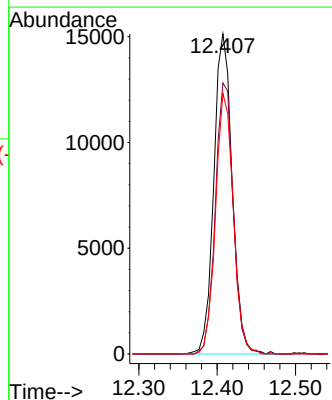
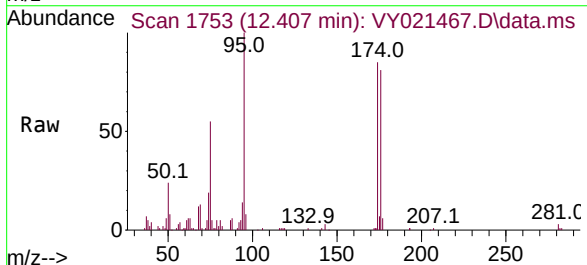
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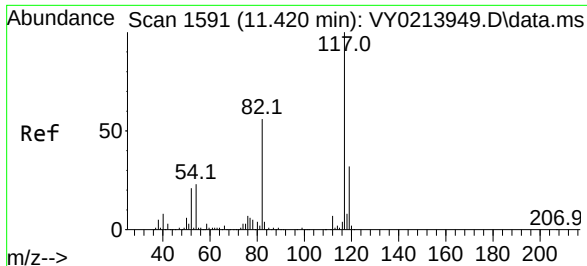
Tgt Ion: 98 Resp: 120244
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 27.570 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion: 95 Resp: 24546
Ion Ratio Lower Upper
95 100
174 83.9 0.0 165.0
176 79.0 0.0 160.0

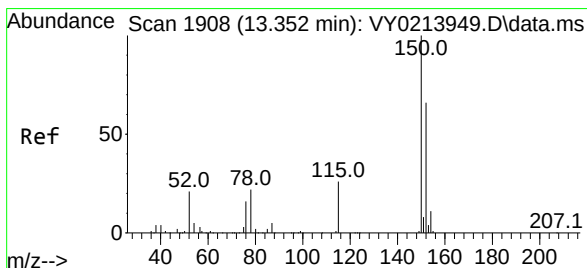
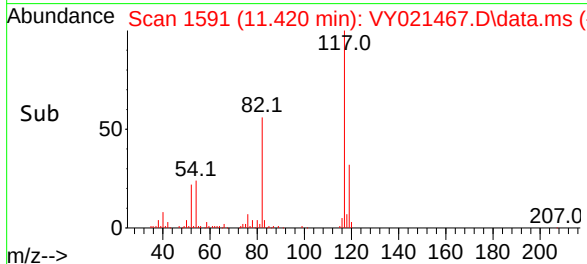
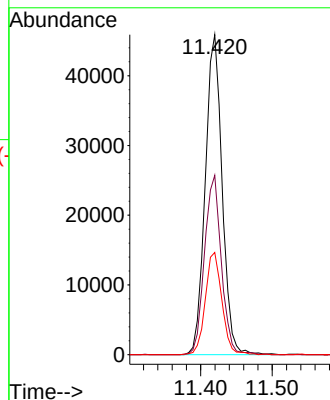
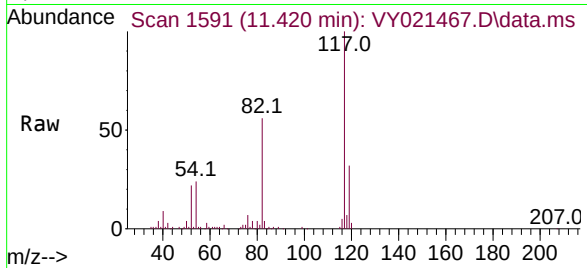




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

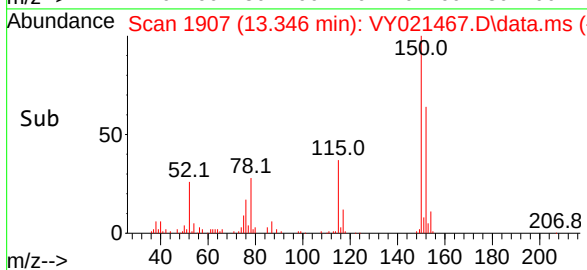
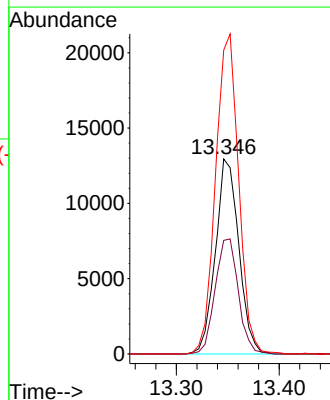
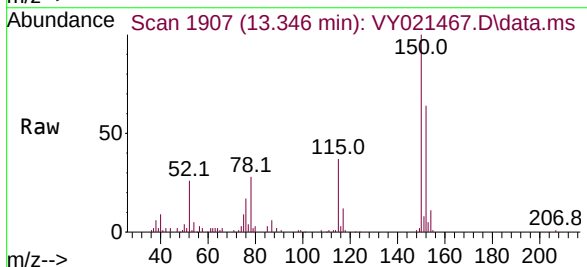
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

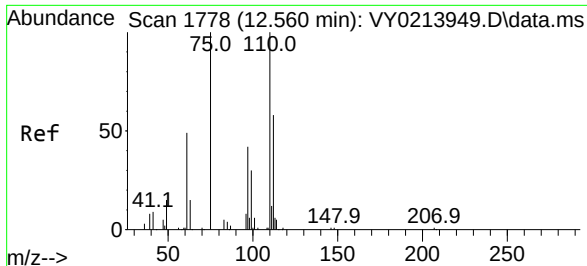
Tgt Ion:	117	Resp:	75322
Ion Ratio	Lower	Upper	
117	100		
82	56.1	44.6	67.0
119	31.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion:	152	Resp:	20414
Ion Ratio	Lower	Upper	
152	100		
115	58.5	29.0	87.0
150	162.0	0.0	347.2

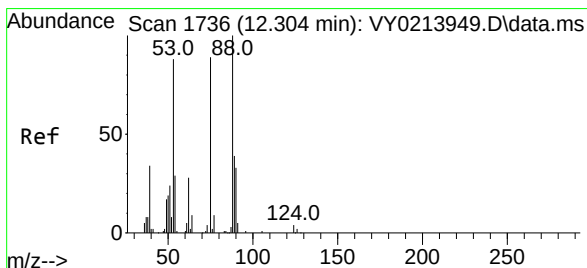
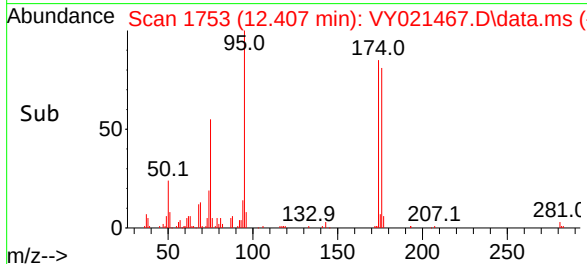
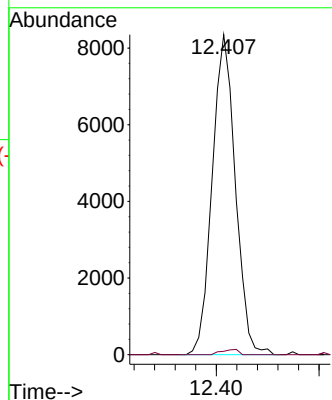
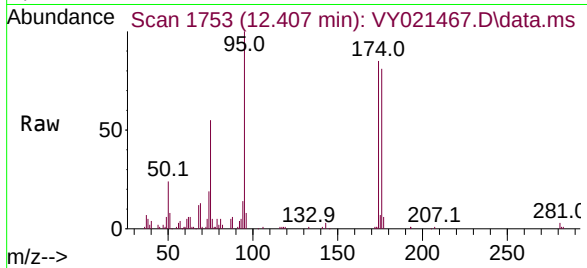




#76
1,2,3-Trichloropropane
Concen: 63.459 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

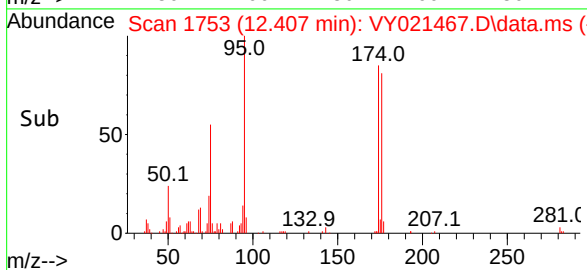
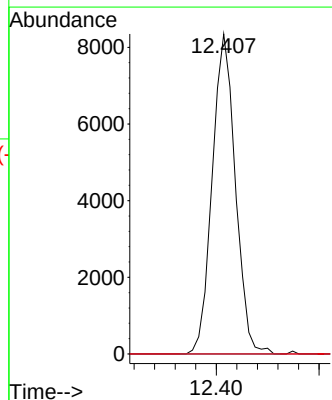
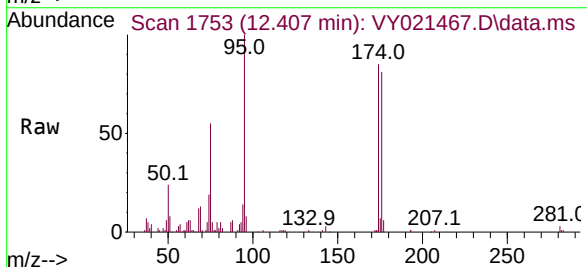
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

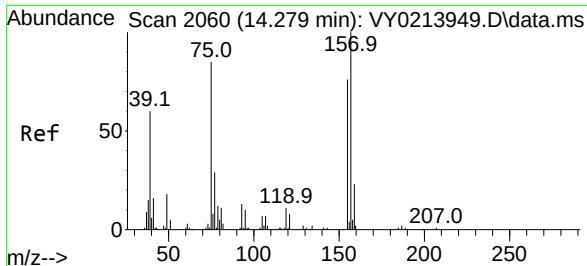
Tgt Ion: 75 Resp: 13054
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.261 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion: 75 Resp: 13054
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#

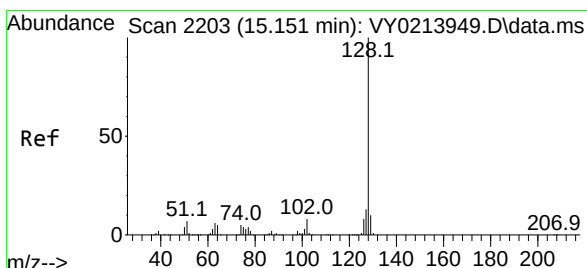
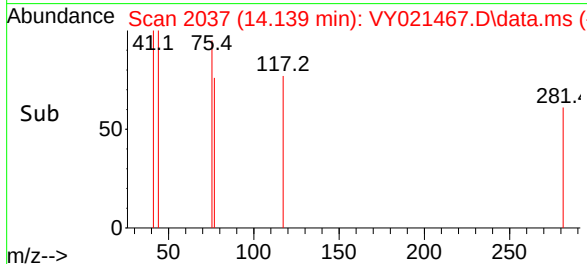
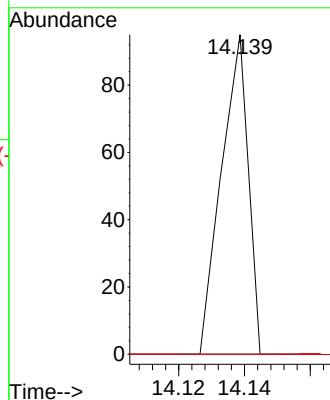
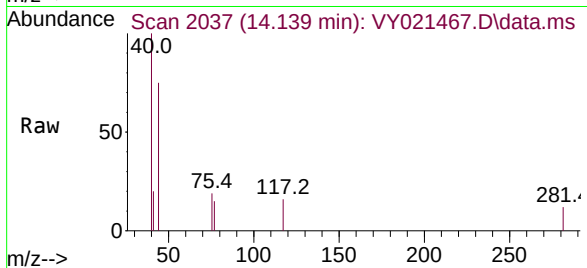




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.270 ug/l
RT: 14.139 min Scan# 2060
Delta R.T. -0.140 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#



#95
Naphthalene
Concen: 1.709 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021467.D
Acq: 07 Mar 2025 17:36

Tgt Ion: 128 Resp: 144
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

