

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021615.D
 Acq On : 24 Mar 2025 14:04
 Operator : SY/MD
 Sample : Q1619-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2RE

Quant Time: Mar 25 01:30:21 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)

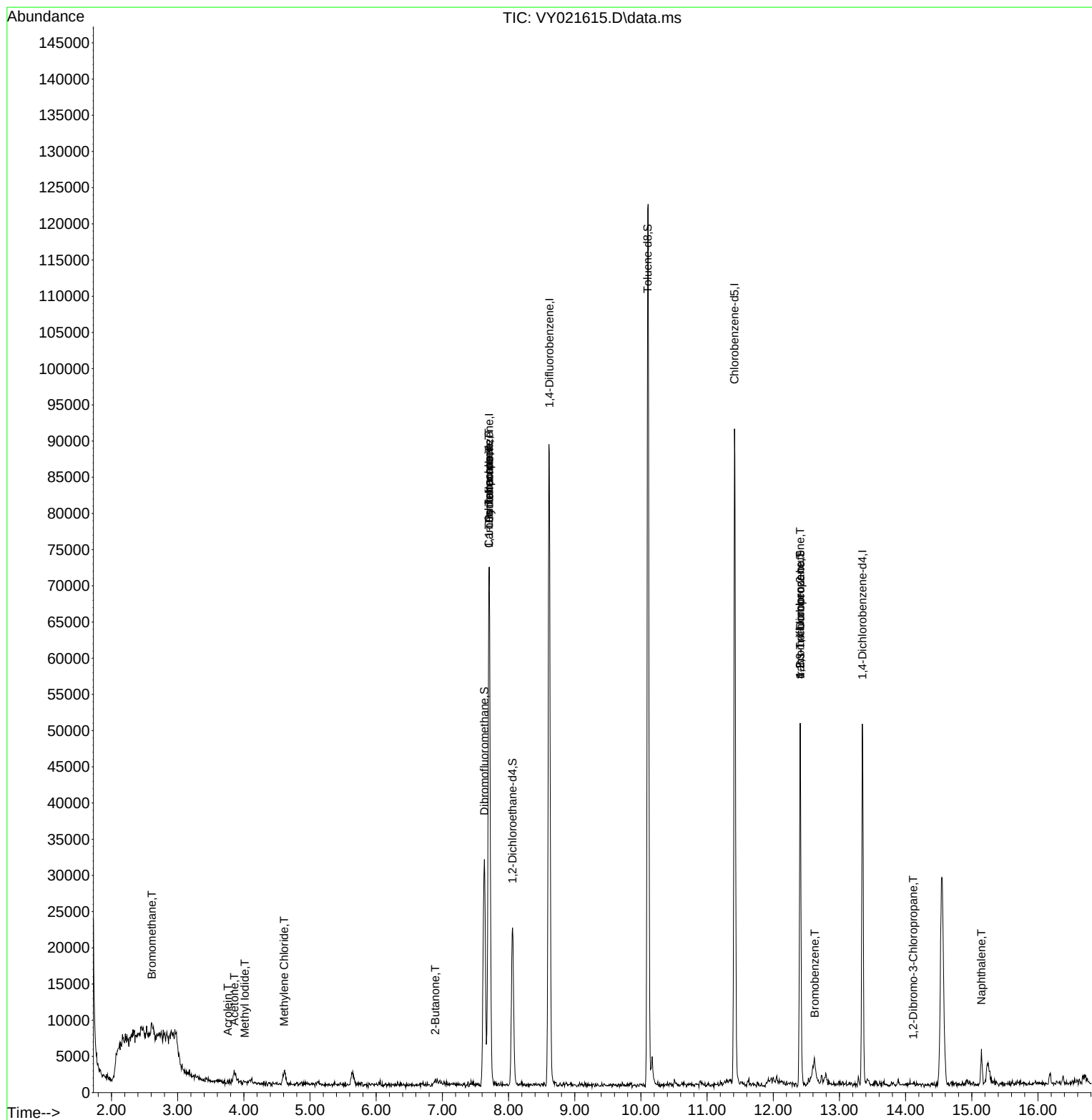
Internal Standards						
1) Pentafluorobenzene	7.707	168	53797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	73932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	48145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	12206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18268	32.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	64.260%
35) Dibromofluoromethane	7.634	113	22693	46.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.400%
50) Toluene-d8	10.103	98	80521	43.761	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.520%
62) 4-Bromofluorobenzene	12.408	95	14859	23.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.480%
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	901	1.639	ug/l	91
10) Methyl Iodide	4.013	142	676	1.097	ug/l #	70
11) Tert butyl alcohol	4.866	59	20	Below Cal	#	72
13) Acrolein	3.757	56	53	1.833	ug/l #	10
16) Acetone	3.854	43	2542	20.497	ug/l #	79
20) Methylene Chloride	4.610	84	1542	2.369	ug/l	84
25) 2-Butanone	6.890	43	1021	5.952	ug/l #	48
31) Cyclohexane	7.707	56	1234	1.159	ug/l #	13
36) 1,1-Dichloropropene	7.701	75	4543	5.972	ug/l #	53
38) Carbon Tetrachloride	7.701	117	5771	6.597	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	7569	61.538	ug/l #	100
77) Bromobenzene	12.627	156	2490	11.070	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	7569	139.894	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.115	75	46	1.810	ug/l #	1
95) Naphthalene	15.145	128	3850	12.828	ug/l #	94

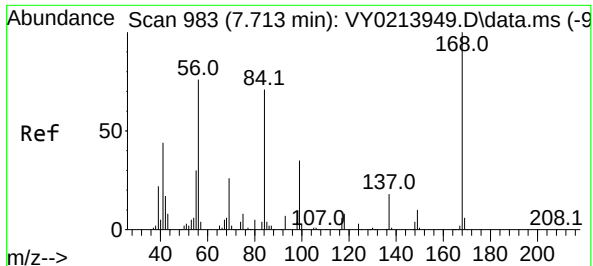
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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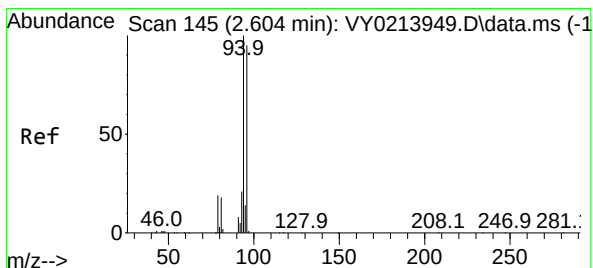
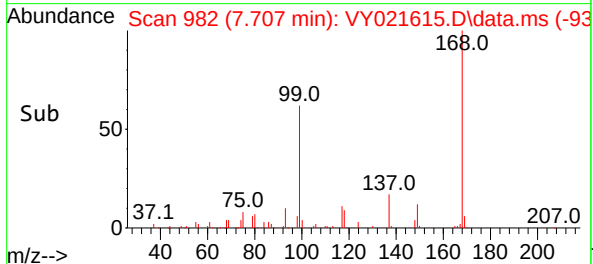
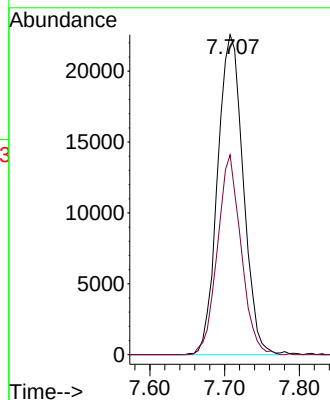
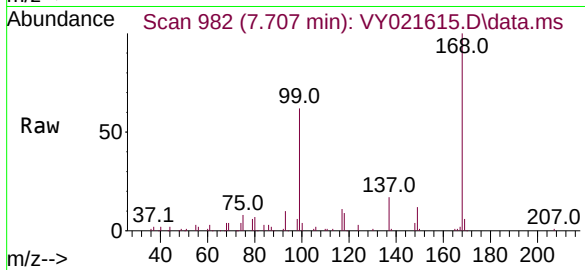




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

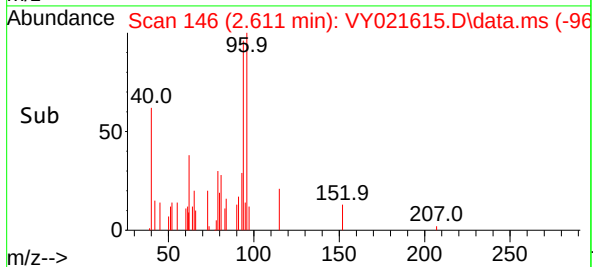
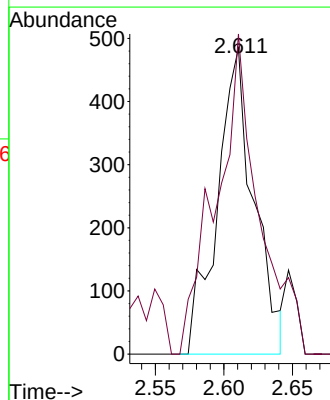
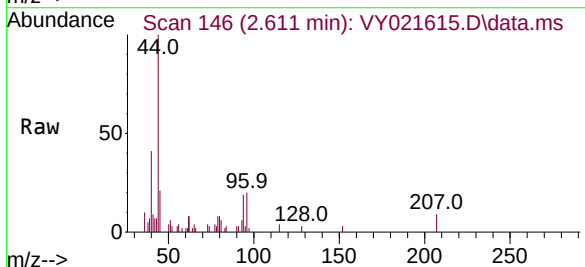
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

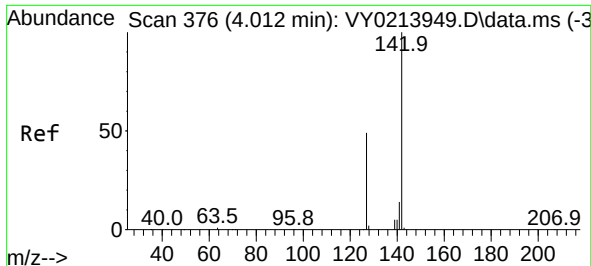
Tgt Ion:168 Resp: 53797
Ion Ratio Lower Upper
168 100
99 62.4 46.0 69.0



#5
Bromomethane
Concen: 1.639 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 94 Resp: 901
Ion Ratio Lower Upper
94 100
96 104.5 76.3 114.5

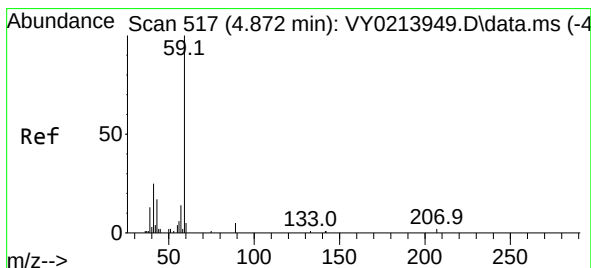
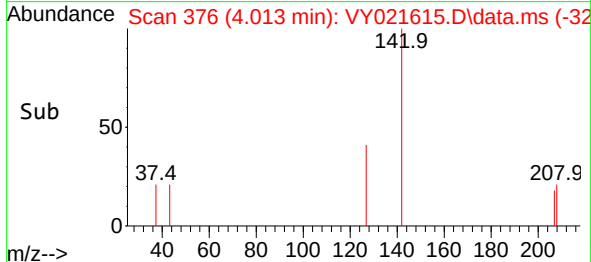
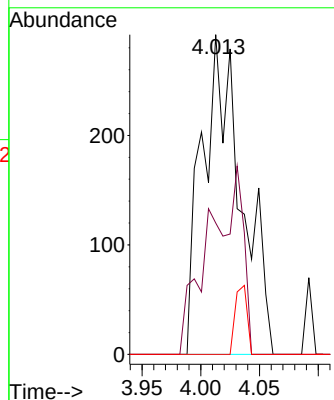
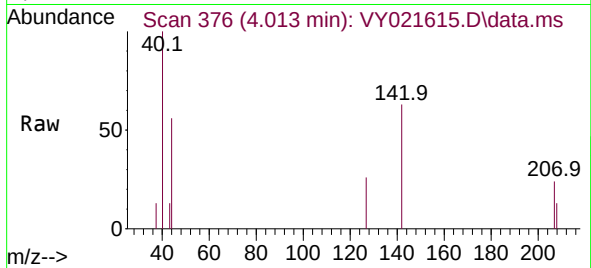




#10
Methyl Iodide
Concen: 1.097 ug/l
RT: 4.013 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

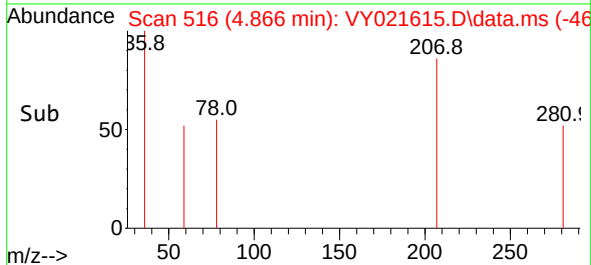
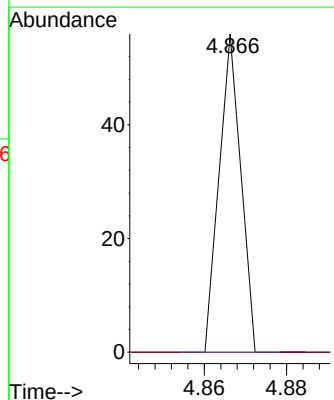
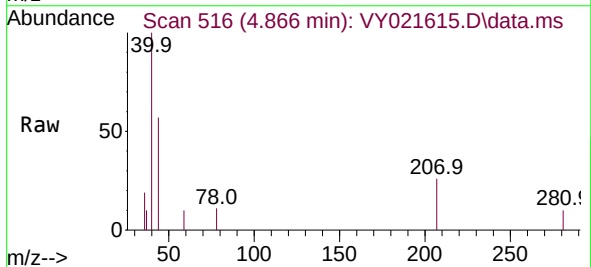
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

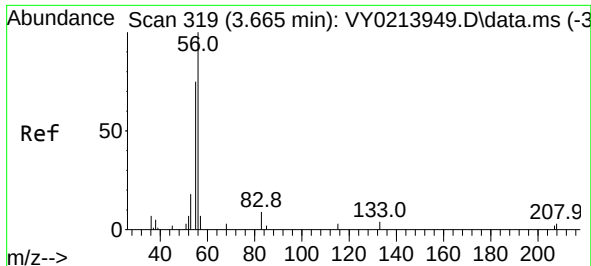
Tgt Ion:142 Resp: 676
Ion Ratio Lower Upper
142 100
127 29.7 39.1 58.7#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

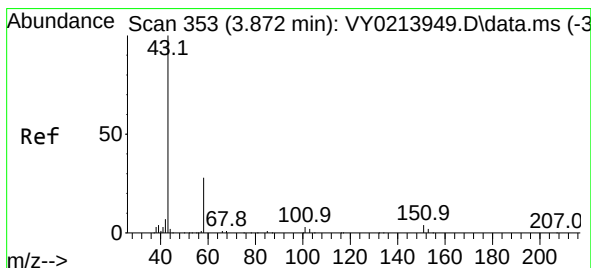
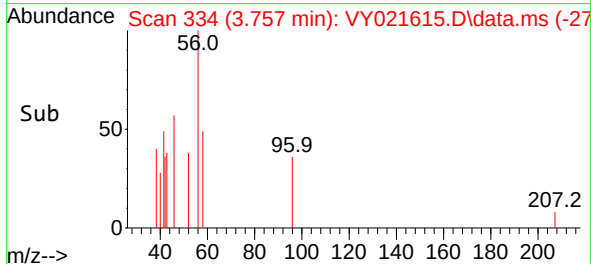
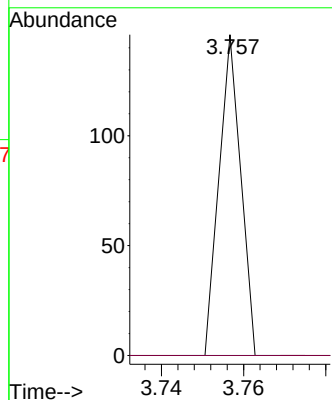
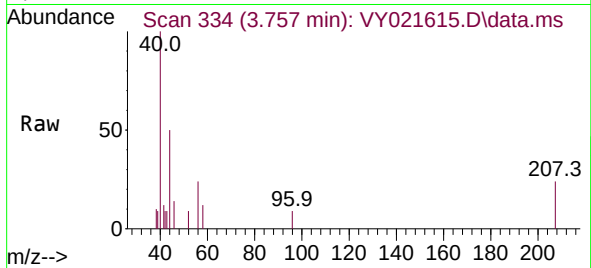




#13
Acrolein
Concen: 1.833 ug/l
RT: 3.757 min Scan# 319
Delta R.T. 0.092 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

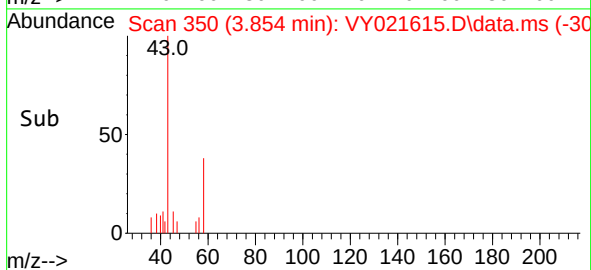
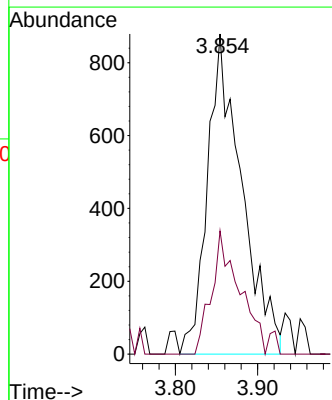
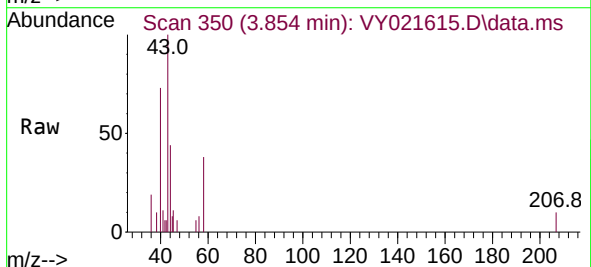
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

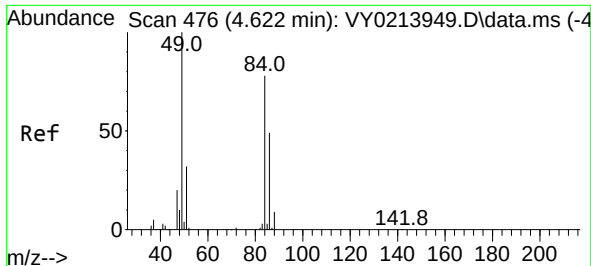
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 63.4 95.2#



#16
Acetone
Concen: 20.497 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
58 38.5 22.1 33.1#

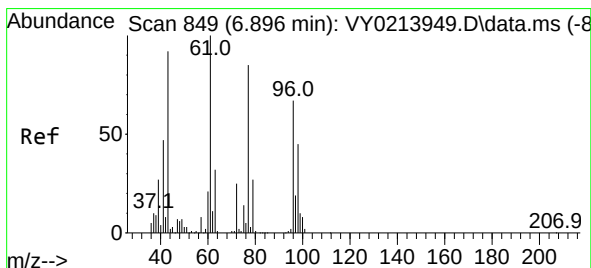
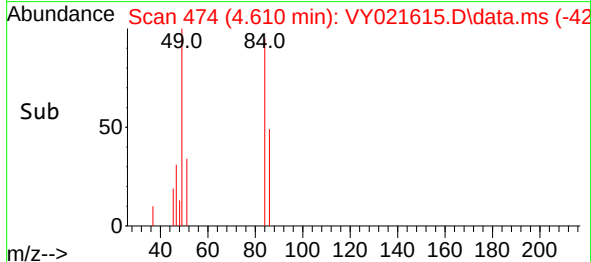
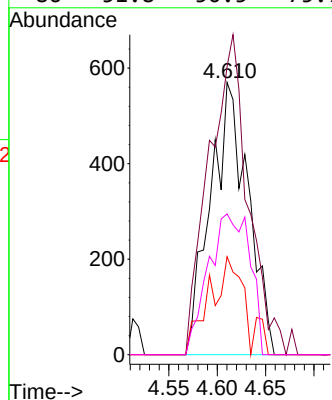
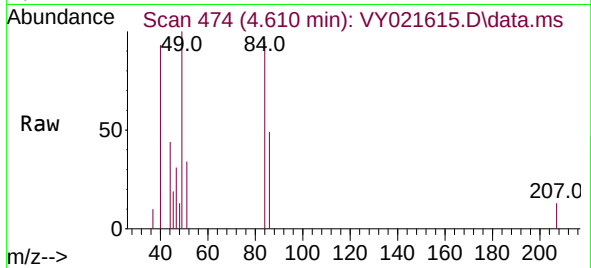




#20
Methylene Chloride
Concen: 2.369 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

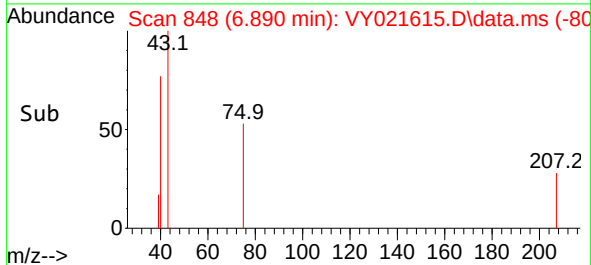
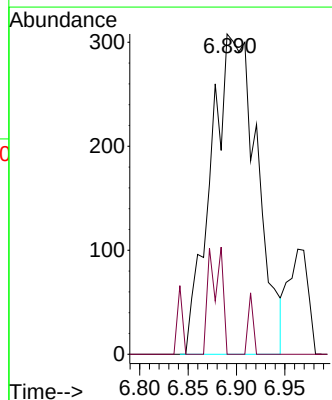
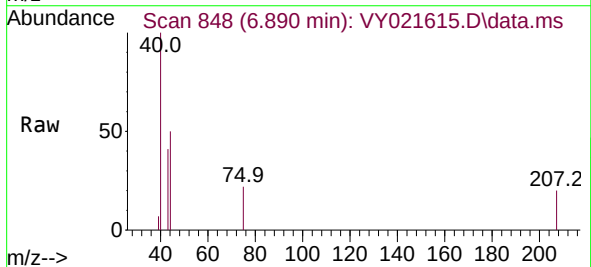
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

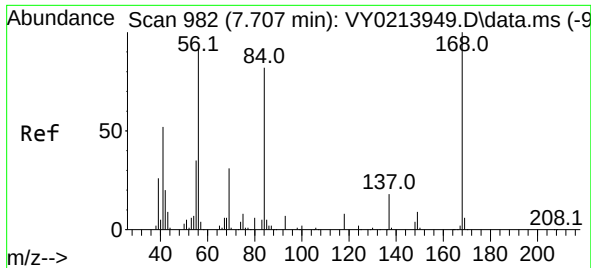
Tgt Ion:	84	Resp:	1542
Ion	Ratio	Lower	Upper
84	100		
49	105.8	102.0	153.0
51	36.0	33.0	49.6
86	51.8	50.5	75.7



#25
2-Butanone
Concen: 5.952 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion:	43	Resp:	1021
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

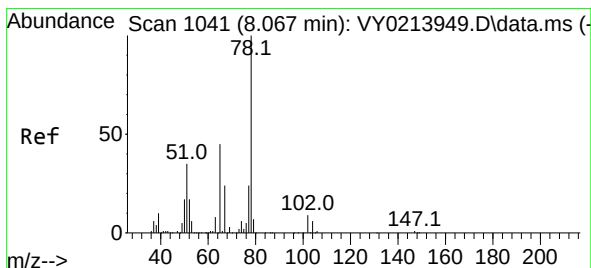
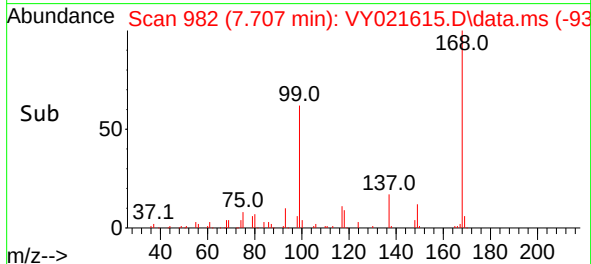
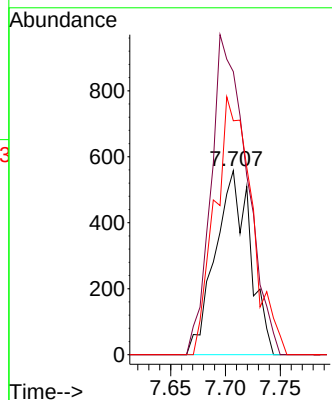
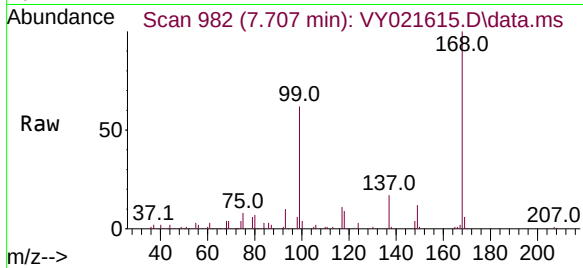




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

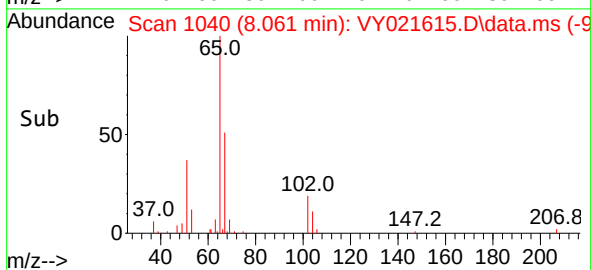
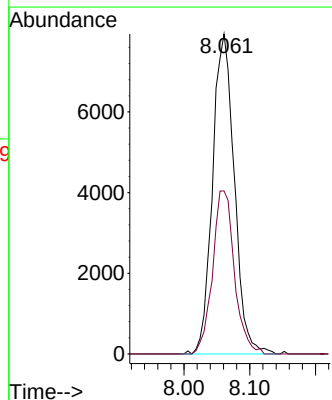
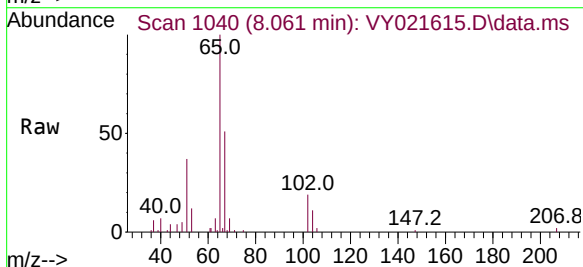
Instrument :
MSVOA_Y
ClientSampleId :
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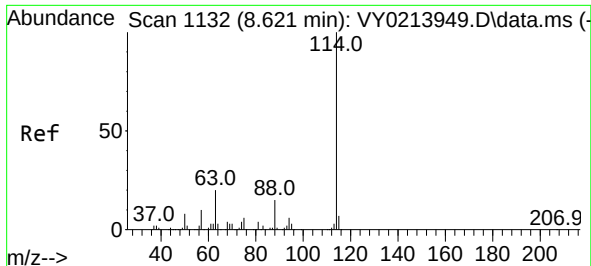
Tgt Ion: 56 Resp: 1234
Ion Ratio Lower Upper
56 100
69 153.8 27.0 40.4#
84 127.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 32.128 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 65 Resp: 18268
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021615.D

Acq: 24 Mar 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-2RE

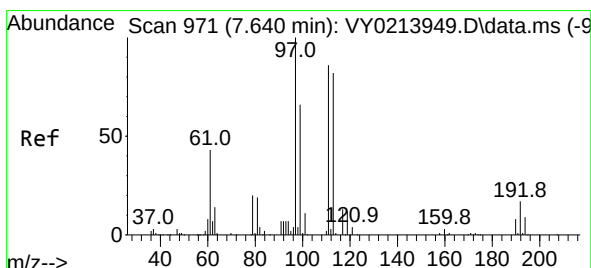
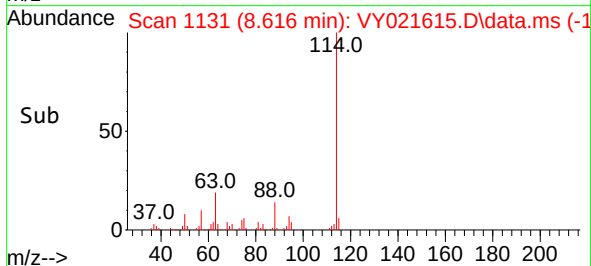
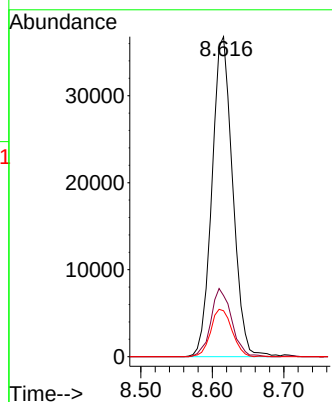
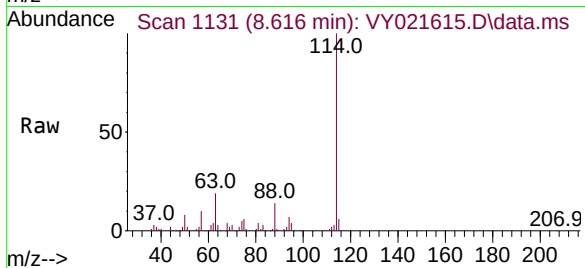
Tgt Ion:114 Resp: 73932

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.8

88 14.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 46.697 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021615.D

Acq: 24 Mar 2025 14:04

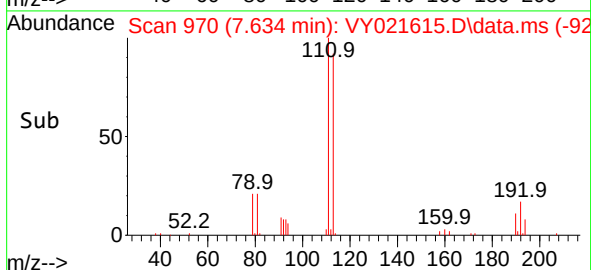
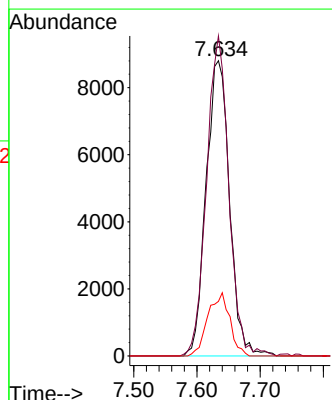
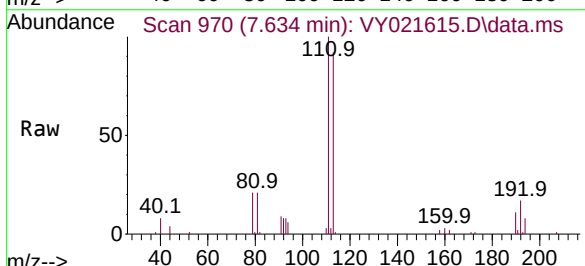
Tgt Ion:113 Resp: 22693

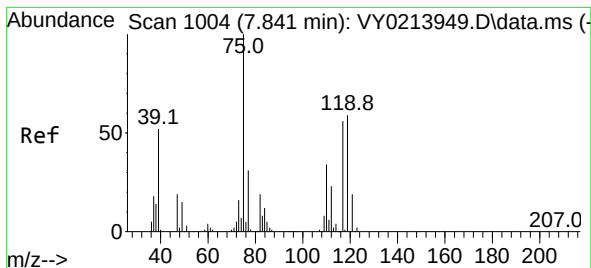
Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 20.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.972 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021615.D

Acq: 24 Mar 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

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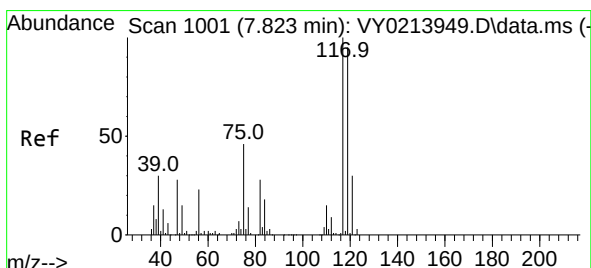
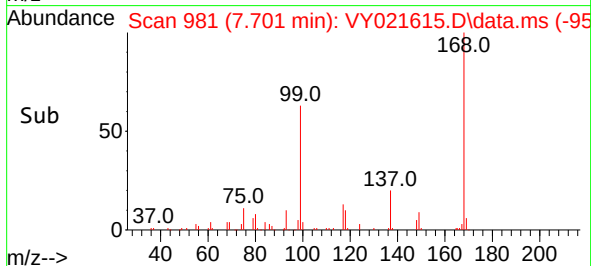
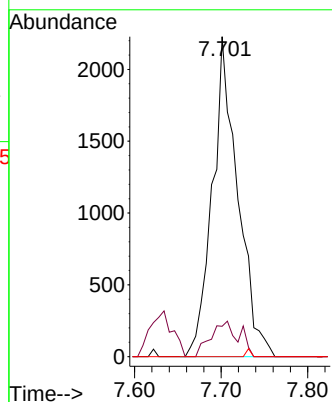
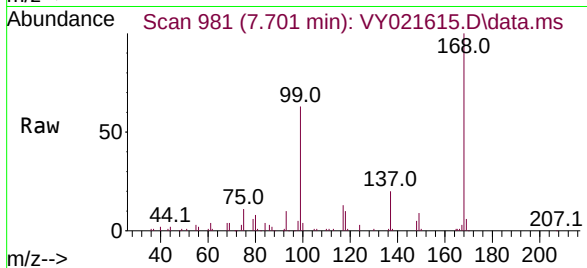
Tgt Ion: 75 Resp: 4543

Ion Ratio Lower Upper

75 100

110 12.3 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.597 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY021615.D

Acq: 24 Mar 2025 14:04

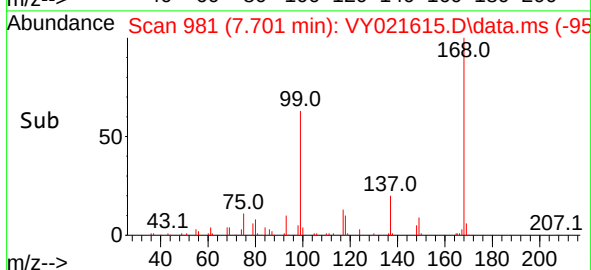
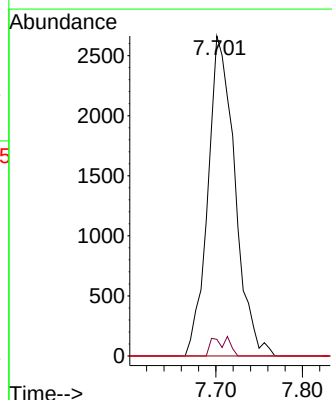
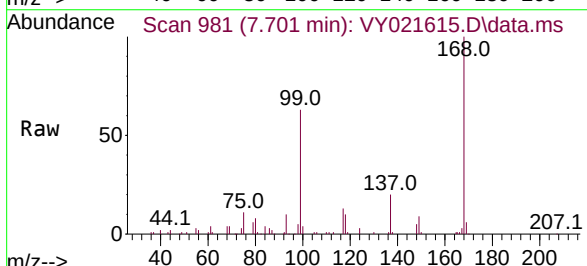
Tgt Ion: 117 Resp: 5771

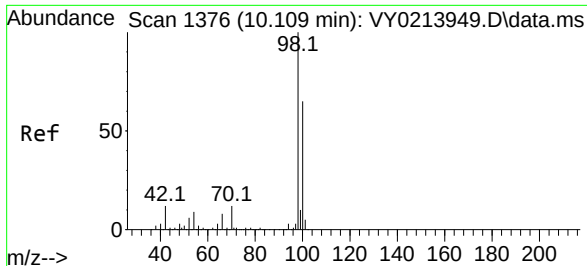
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 23.9 35.9#

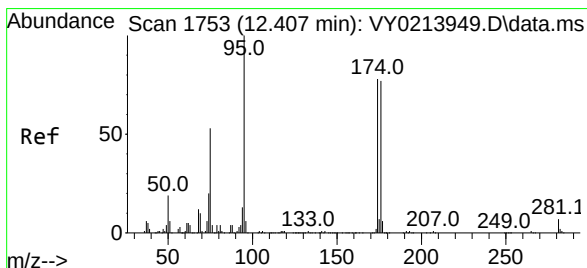
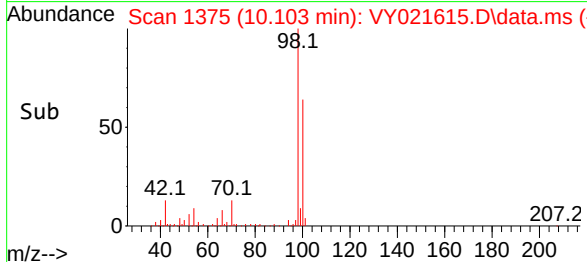
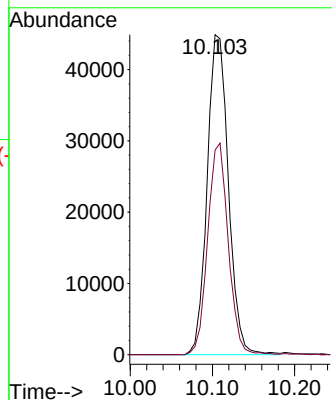
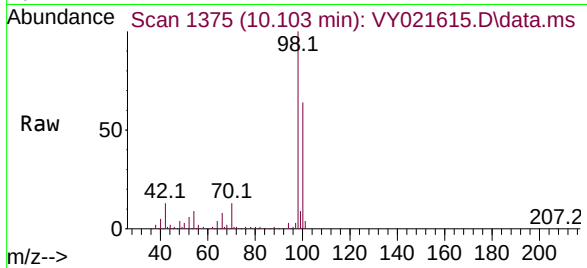




#50
Toluene-d8
Concen: 43.761 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

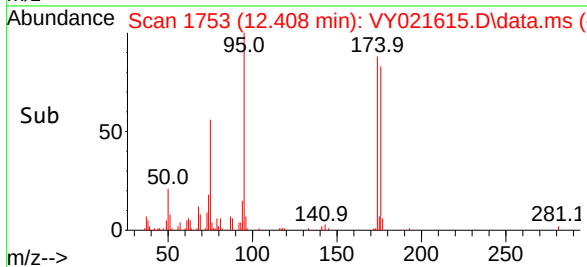
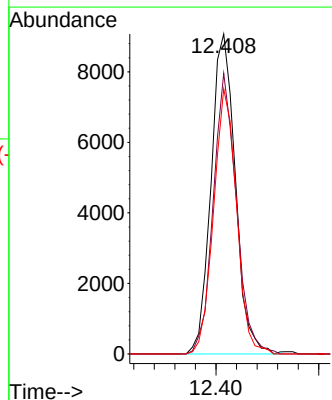
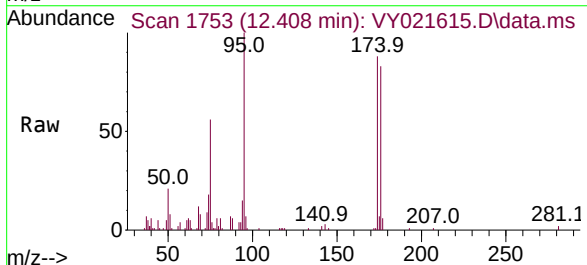
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

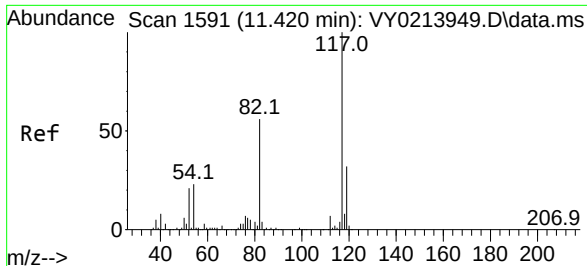
Tgt Ion: 98 Resp: 80521
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 23.740 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 95 Resp: 14859
Ion Ratio Lower Upper
95 100
174 83.8 0.0 165.0
176 78.3 0.0 160.0

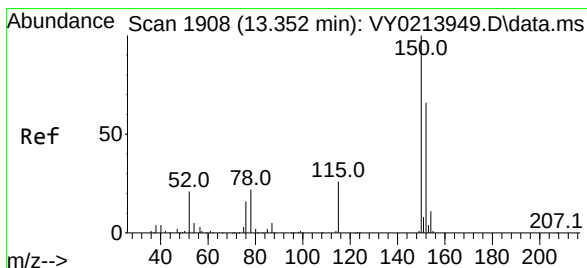
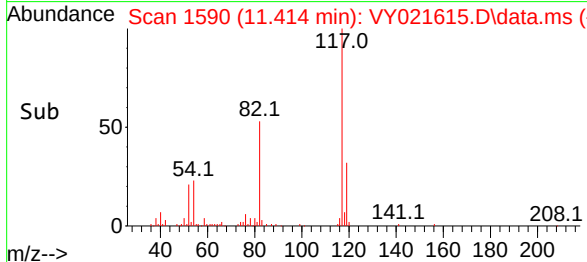
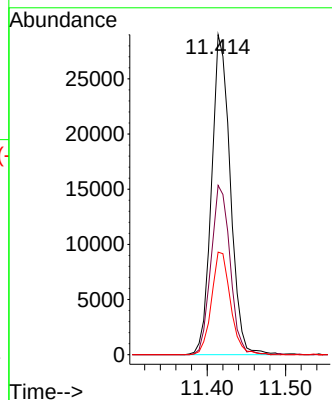
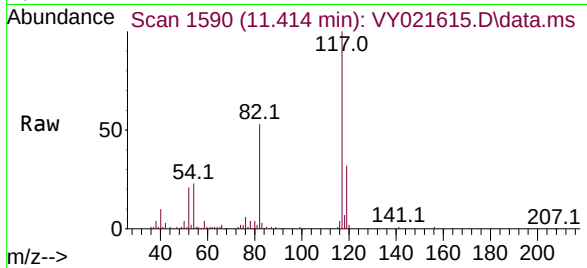




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

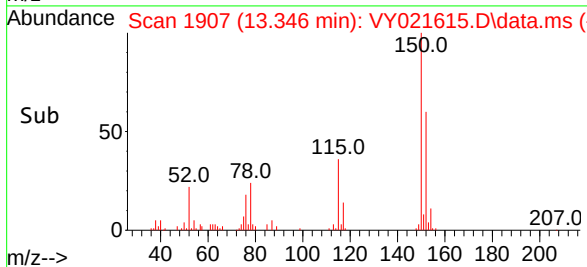
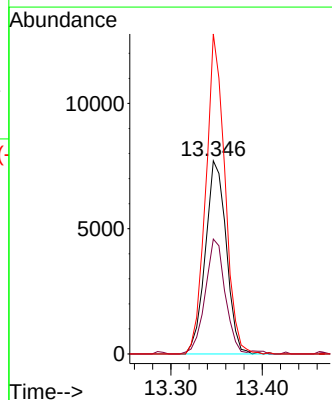
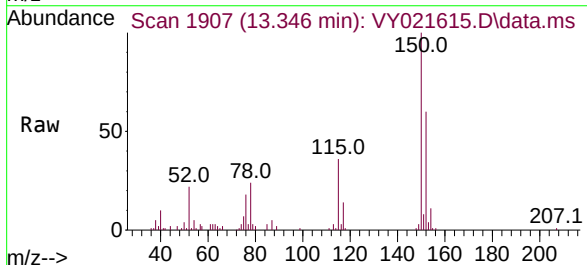
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

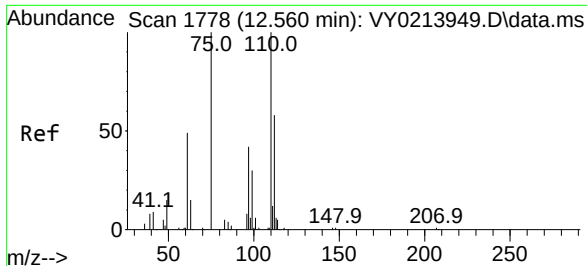
Tgt Ion:117 Resp: 48145
Ion Ratio Lower Upper
117 100
82 52.9 44.6 67.0
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion:152 Resp: 12206
Ion Ratio Lower Upper
152 100
115 57.1 29.0 87.0
150 151.3 0.0 347.2

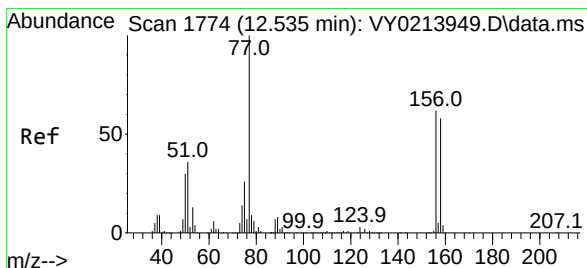
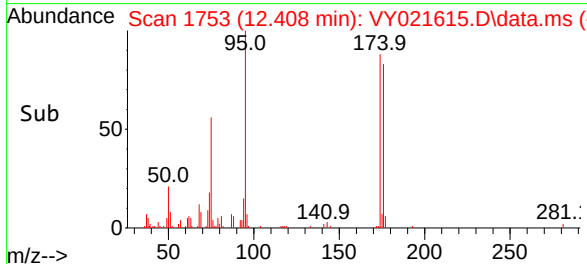
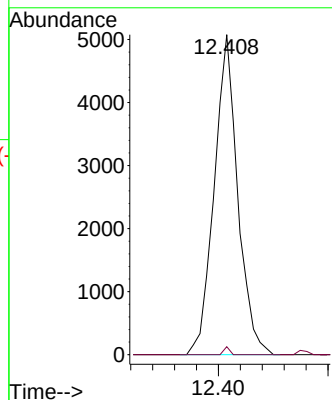
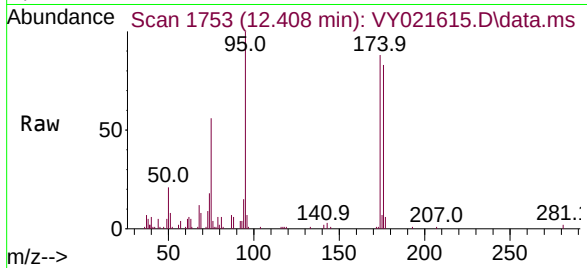




#76
1,2,3-Trichloropropane
Concen: 61.538 ug/l
RT: 12.408 min Scan# 1789
Delta R.T. -0.152 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

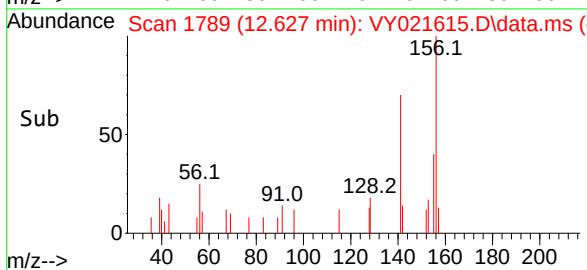
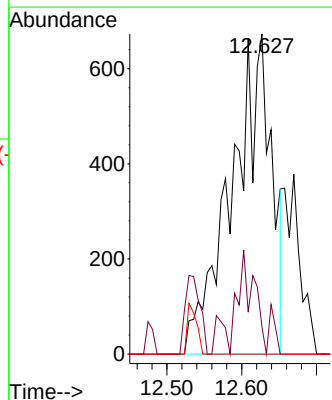
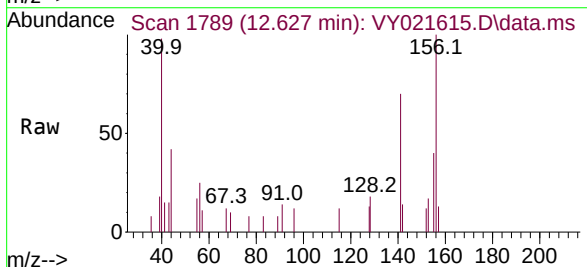
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

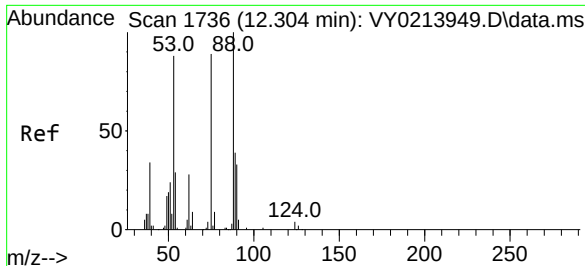
Tgt Ion: 75 Resp: 7569
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#77
Bromobenzene
Concen: 11.070 ug/l
RT: 12.627 min Scan# 1789
Delta R.T. 0.092 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 156 Resp: 2490
Ion Ratio Lower Upper
156 100
77 2.3 93.6 280.8#
158 0.0 48.3 144.8#

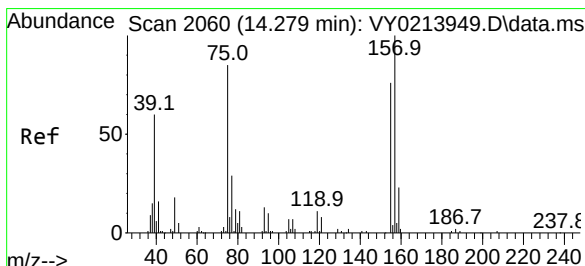
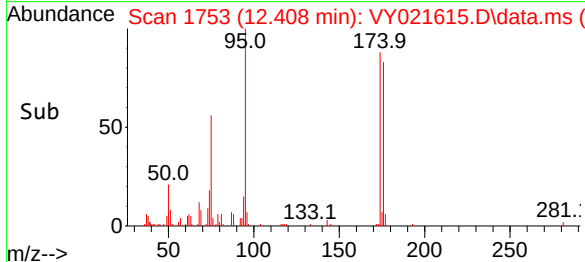
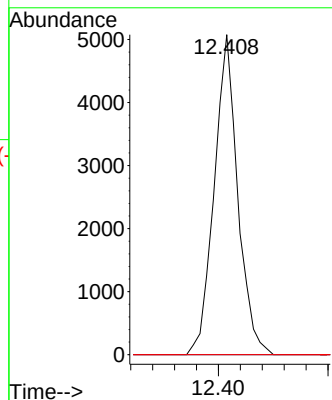
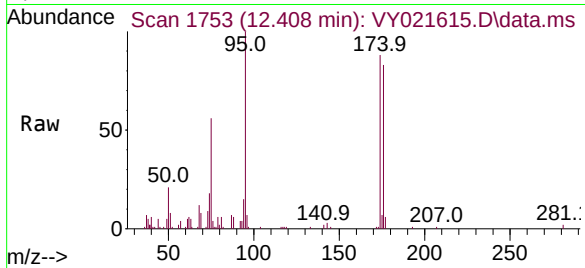




#81
trans-1,4-Dichloro-2-butene
Concen: 139.894 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

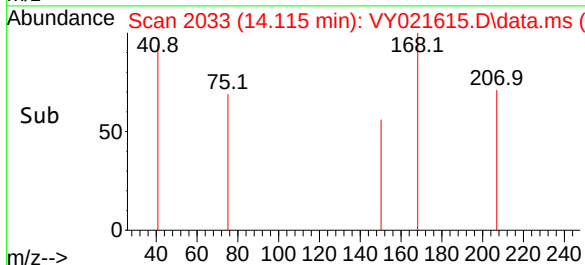
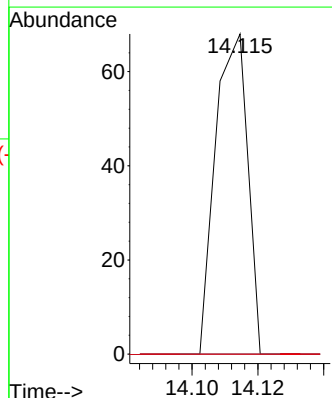
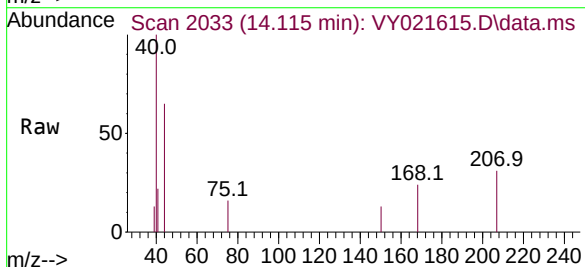
Instrument :
MSVOA_Y
ClientSampleId :
TP-2RE

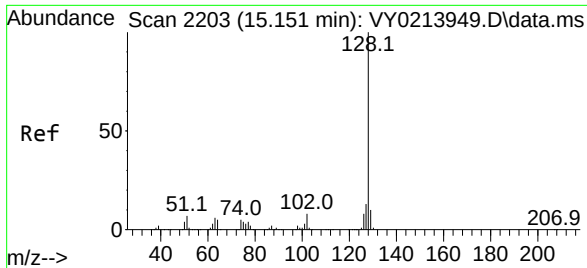
Tgt Ion: 75 Resp: 7569
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.810 ug/l
RT: 14.115 min Scan# 2033
Delta R.T. -0.164 min
Lab File: VY021615.D
Acq: 24 Mar 2025 14:04

Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#





#95

Naphthalene

Concen: 12.828 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021615.D

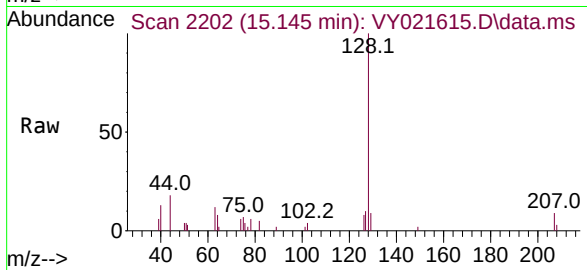
Acq: 24 Mar 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-2RE



Tgt Ion:	128	Resp:	3850
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.6	15.8#
129	9.0	8.6	13.0

