

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022435.D
 Acq On : 27 May 2025 15:38
 Operator : SY/MD
 Sample : Q2127-11RE
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2RE

Quant Time: May 28 15:27:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

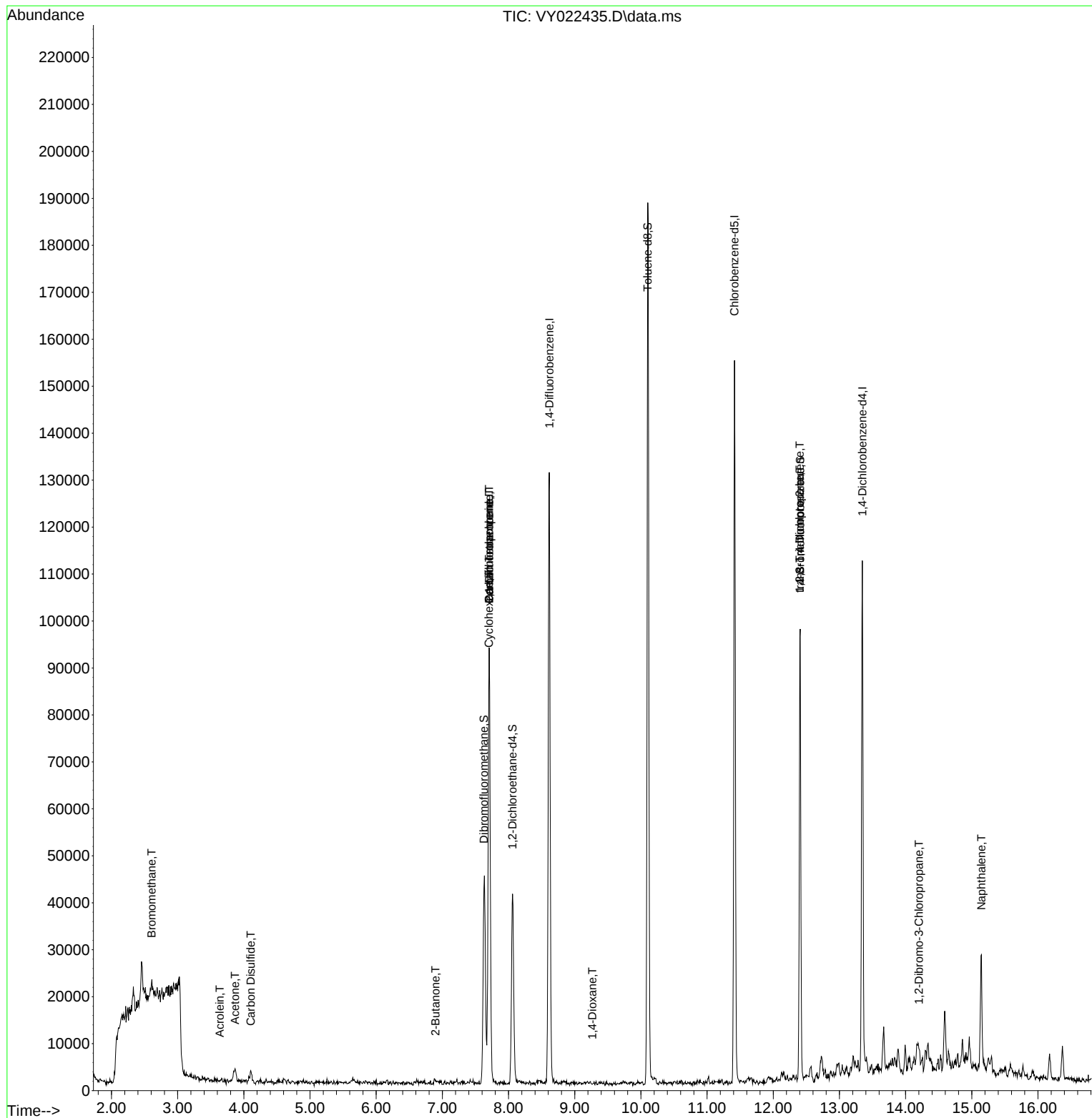
Internal Standards						
1) Pentafluorobenzene	7.707	168	67741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	109330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	75562	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	25617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30197	42.321	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.640%
35) Dibromofluoromethane	7.628	113	30872	48.217	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.440%
50) Toluene-d8	10.103	98	122386	46.889	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.408	95	27180	34.426	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	2258	1.287	ug/l	89
13) Acrolein	3.635	56	84	1.115	ug/l	# 1
16) Acetone	3.866	43	5402	46.073	ug/l	# 65
17) Carbon Disulfide	4.104	76	4017	1.774	ug/l	# 87
25) 2-Butanone	6.896	43	1560	7.989	ug/l	# 74
31) Cyclohexane	7.701	56	1943	1.416	ug/l	# 47
36) 1,1-Dichloropropene	7.707	75	6038	5.943	ug/l	# 51
38) Carbon Tetrachloride	7.707	117	6830	6.453	ug/l	# 17
49) 1,4-Dioxane	9.268	88	22	5.020	ug/l	# 1
76) 1,2,3-Trichloropropane	12.402	75	16037	62.499	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	16037	141.339	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.200	75	69	1.406	ug/l	# 1
95) Naphthalene	15.145	128	18947	25.354	ug/l	99

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

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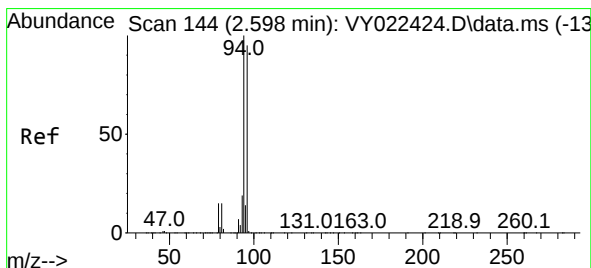
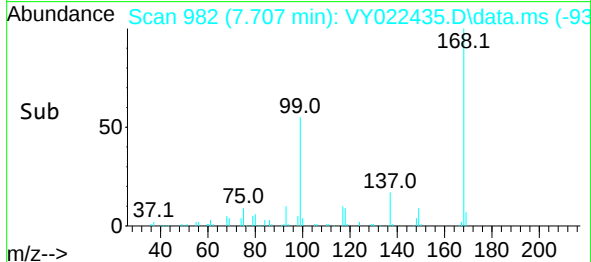
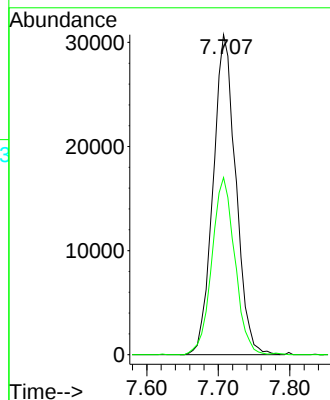
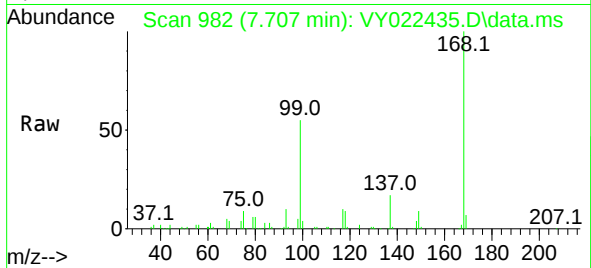




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

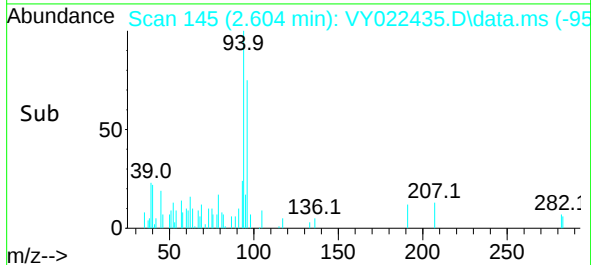
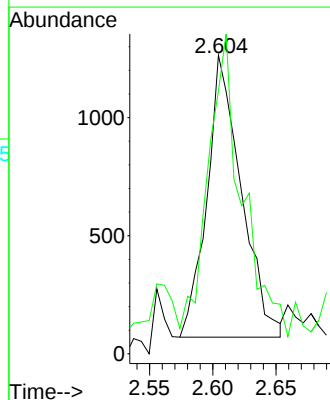
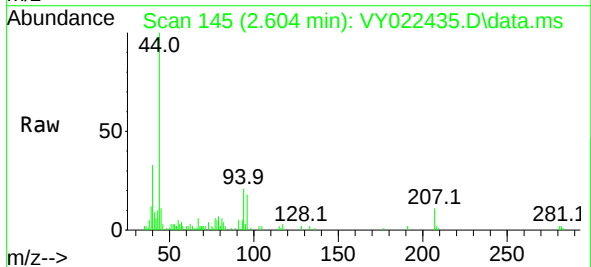
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE

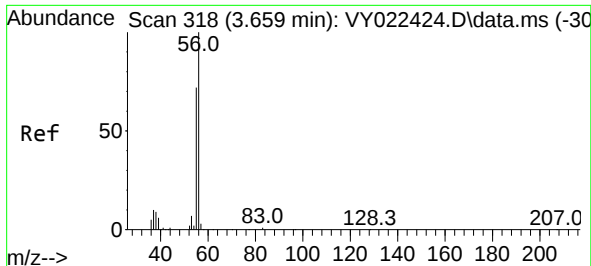
Tgt Ion:168 Resp: 67741
Ion Ratio Lower Upper
168 100
99 55.4 44.7 67.1



#5
Bromomethane
Concen: 1.287 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Tgt Ion: 94 Resp: 2258
Ion Ratio Lower Upper
94 100
96 84.3 76.0 114.0

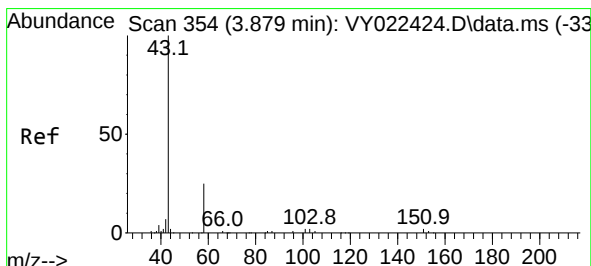
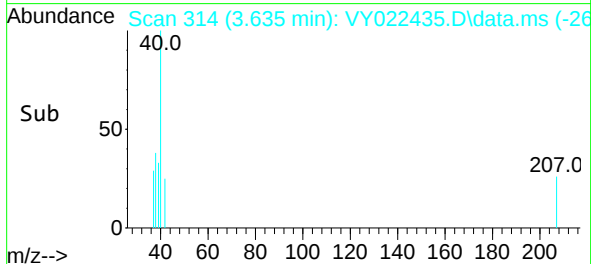
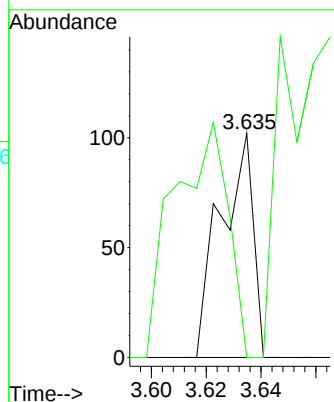
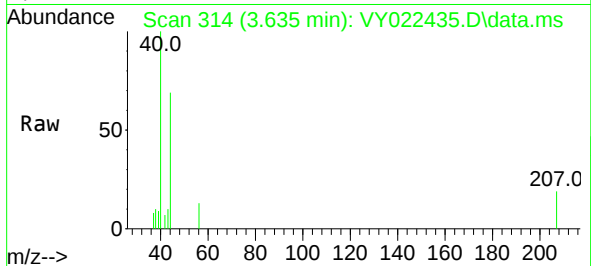




#13
Acrolein
Concen: 1.115 ug/l
RT: 3.635 min Scan# 318
Delta R.T. -0.024 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

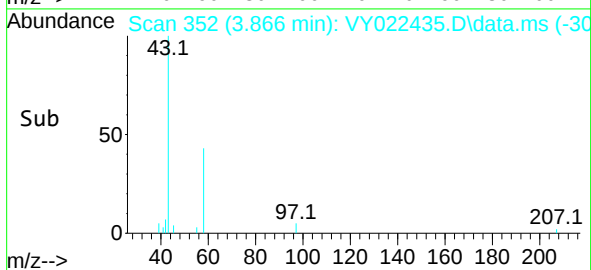
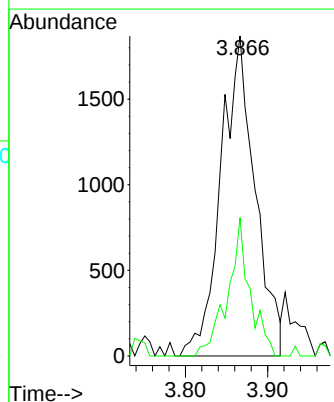
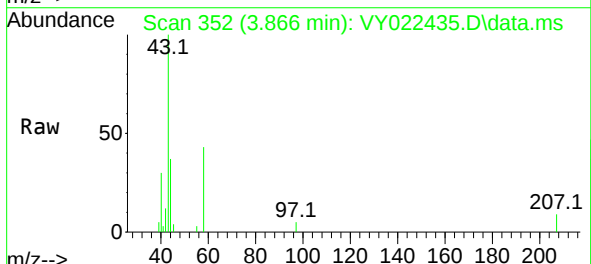
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE

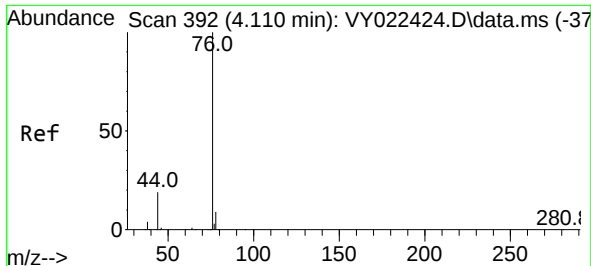
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 173.8 56.5 84.7#



#16
Acetone
Concen: 46.073 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Tgt Ion: 43 Resp: 5402
Ion Ratio Lower Upper
43 100
58 43.2 20.6 30.8#

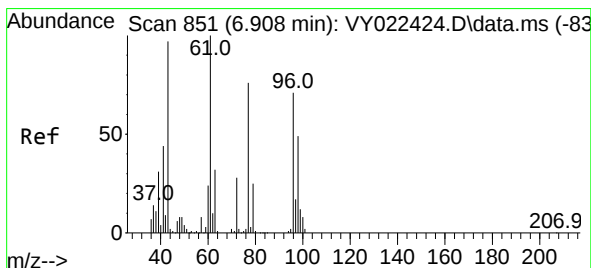
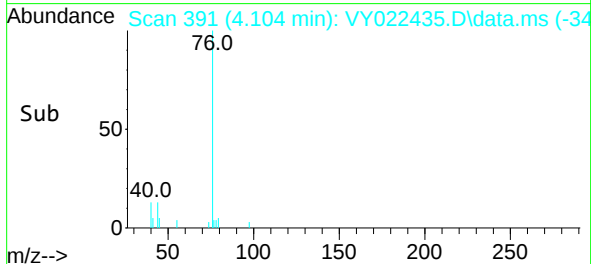
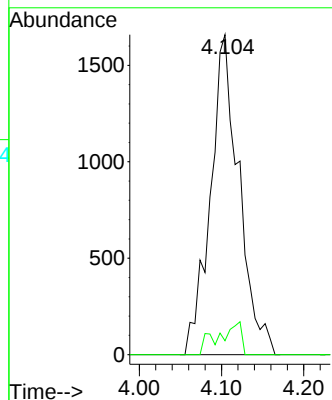
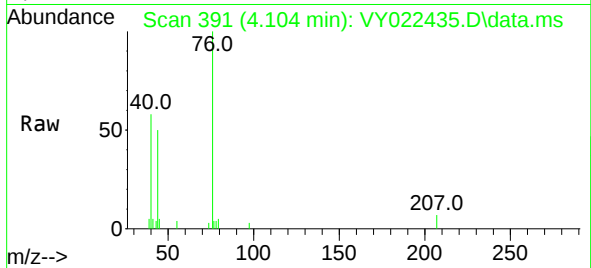




#17
Carbon Disulfide
Concen: 1.774 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

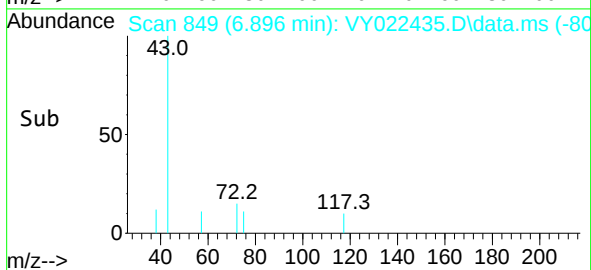
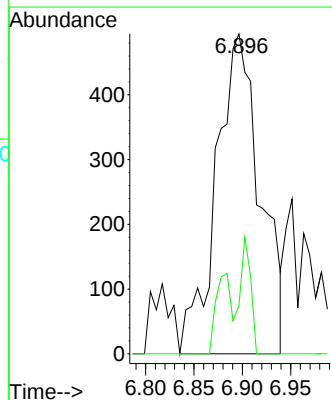
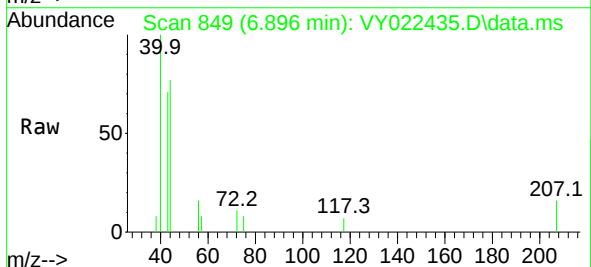
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE

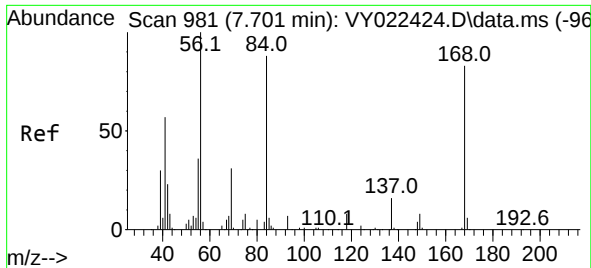
Tgt Ion: 76 Resp: 4017
Ion Ratio Lower Upper
76 100
78 4.3 7.2 10.8#



#25
2-Butanone
Concen: 7.989 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Tgt Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
72 15.0 22.8 34.2#

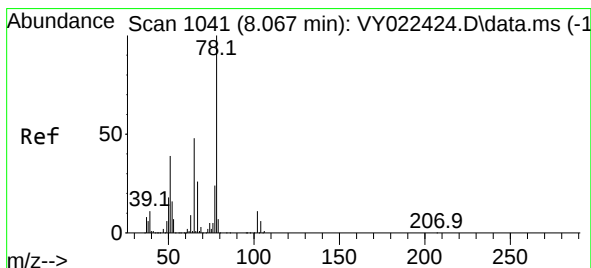
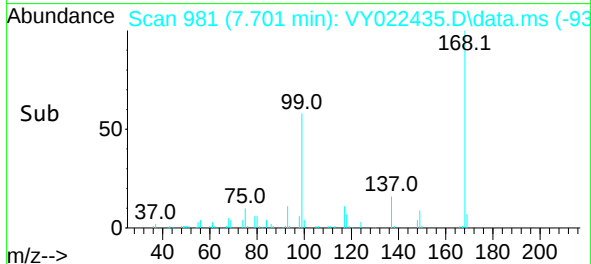
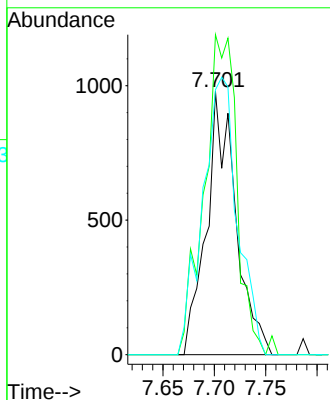
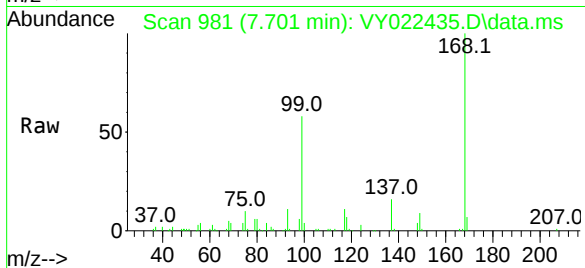




#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

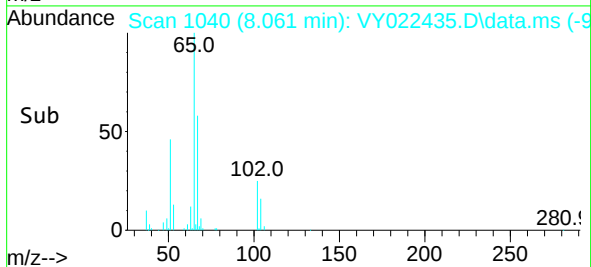
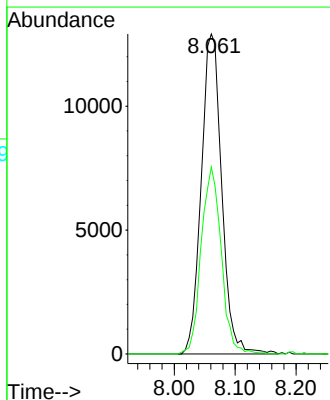
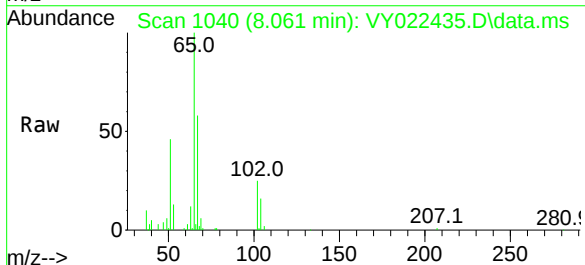
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE

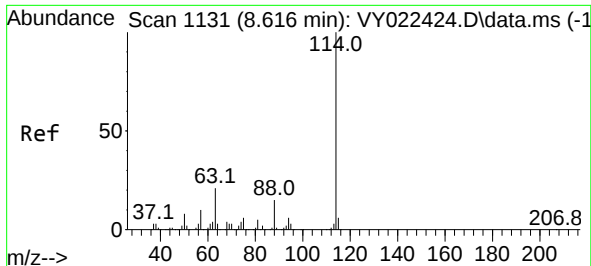
Tgt Ion: 56 Resp: 1943
Ion Ratio Lower Upper
56 100
69 121.6 24.6 36.8#
84 100.6 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 42.321 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Tgt Ion: 65 Resp: 30197
Ion Ratio Lower Upper
65 100
67 57.0 0.0 104.4

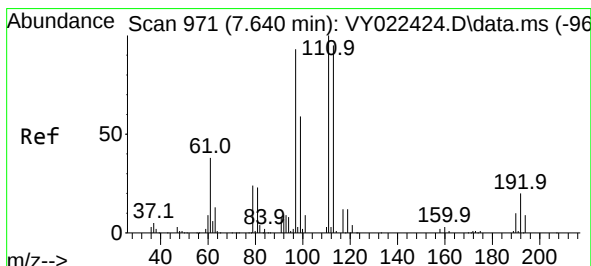
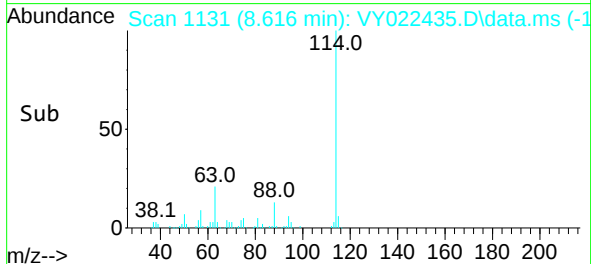
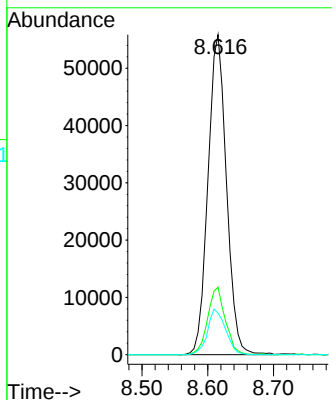
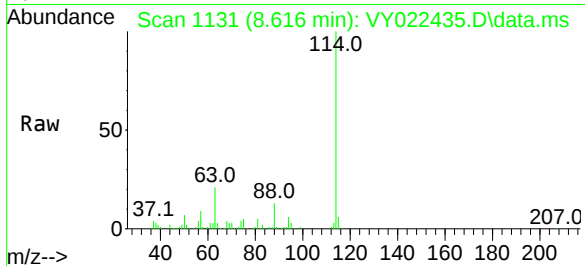




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

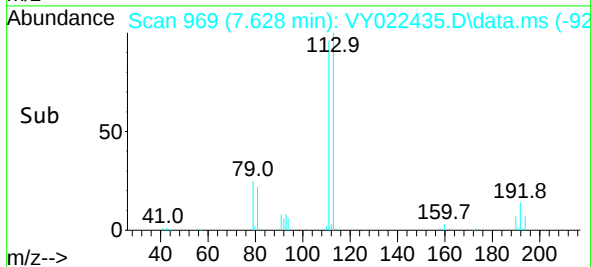
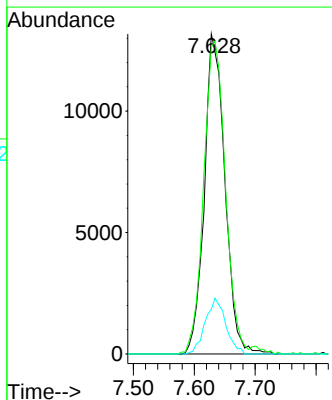
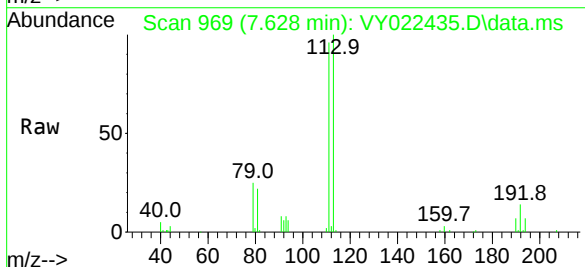
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE

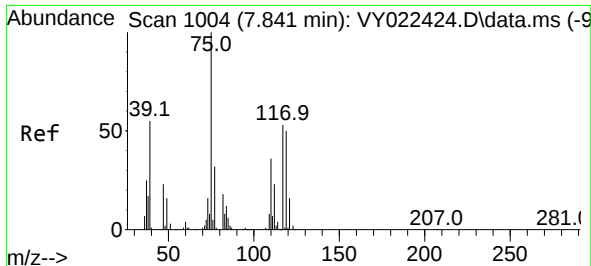
Tgt Ion:114 Resp: 109330
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 12.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.217 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Tgt Ion:113 Resp: 30872
Ion Ratio Lower Upper
113 100
111 103.6 82.4 123.6
192 17.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.943 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022435.D

Acq: 27 May 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2RE

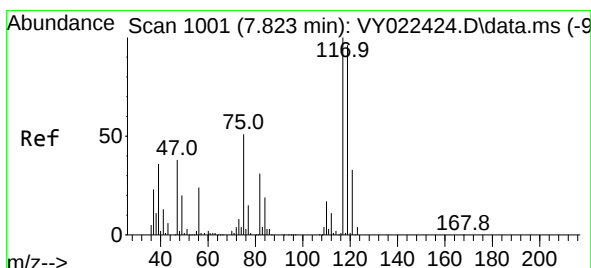
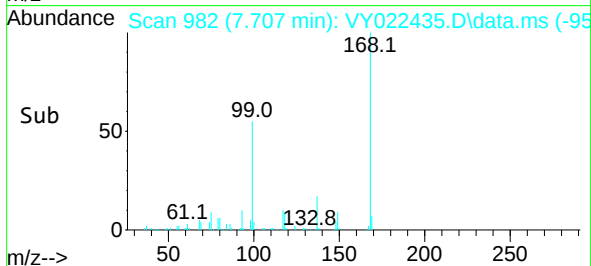
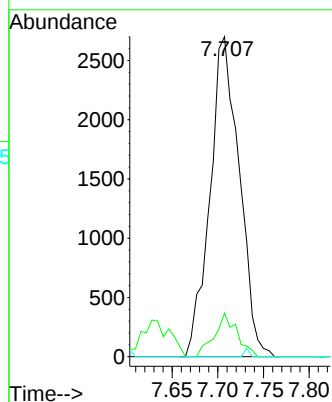
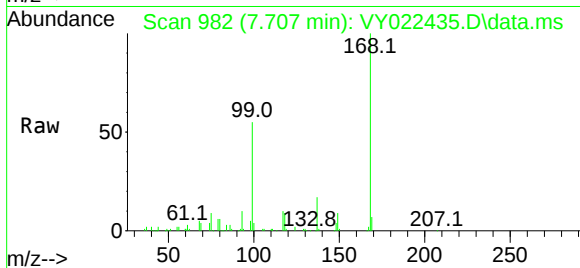
Tgt Ion: 75 Resp: 6038

Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.453 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022435.D

Acq: 27 May 2025 15:38

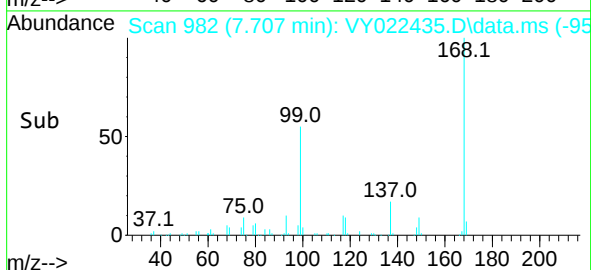
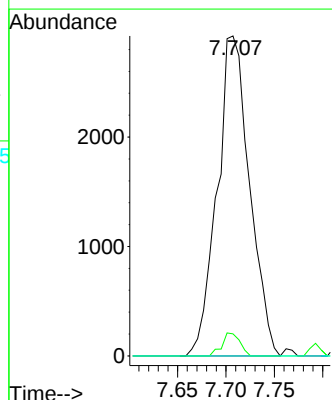
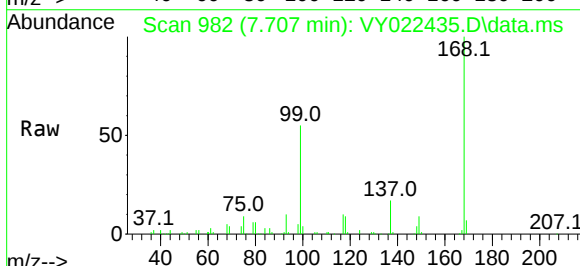
Tgt Ion: 117 Resp: 6830

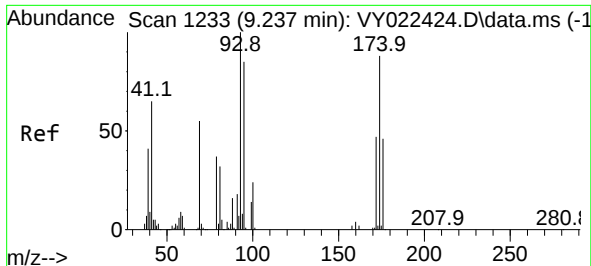
Ion Ratio Lower Upper

117 100

119 6.9 76.3 114.5#

121 0.0 26.1 39.1#





#49

1,4-Dioxane

Concen: 5.020 ug/l

RT: 9.268 min Scan# 11

Delta R.T. 0.031 min

Lab File: VY022435.D

Acq: 27 May 2025 15:38

Instrument :

MSVOA_Y

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COMP-2RE

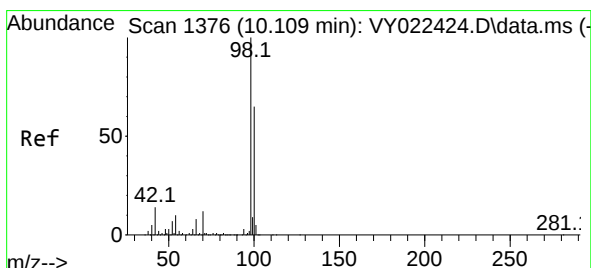
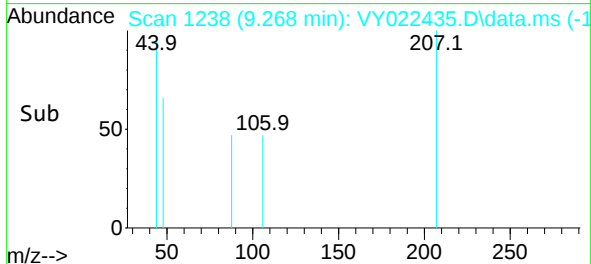
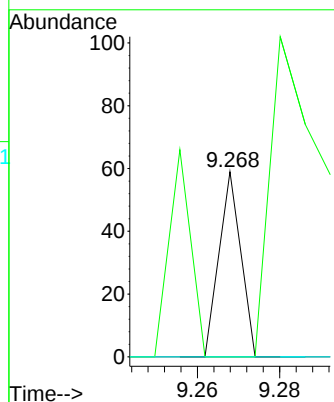
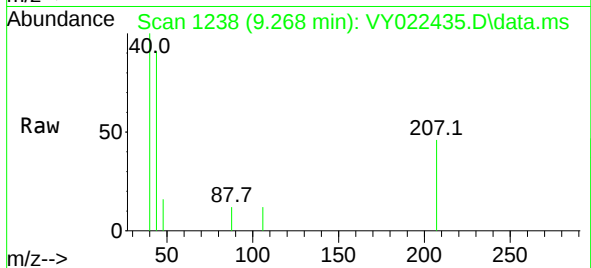
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 109.1 26.9 40.3#

58 0.0 55.8 83.6#



#50

Toluene-d8

Concen: 46.889 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022435.D

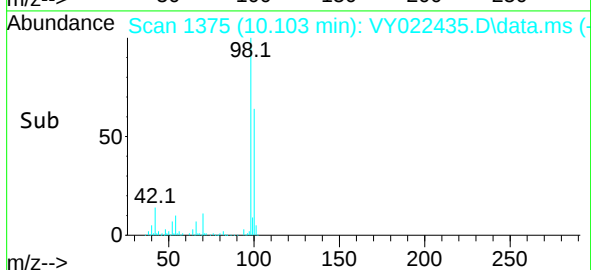
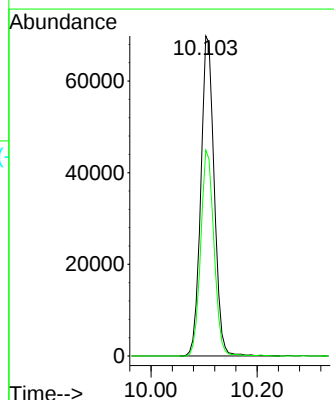
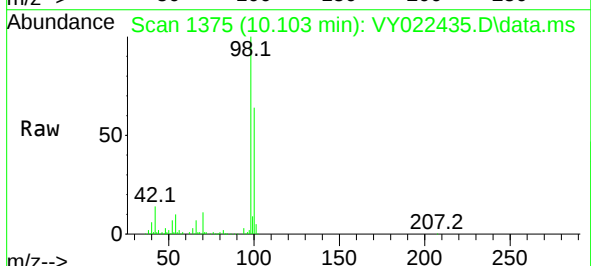
Acq: 27 May 2025 15:38

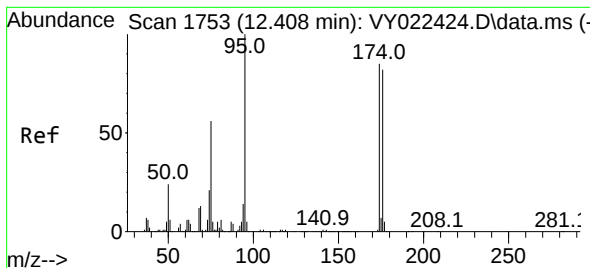
Tgt Ion: 98 Resp: 122386

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.2

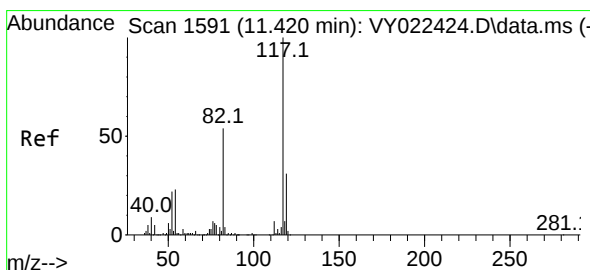
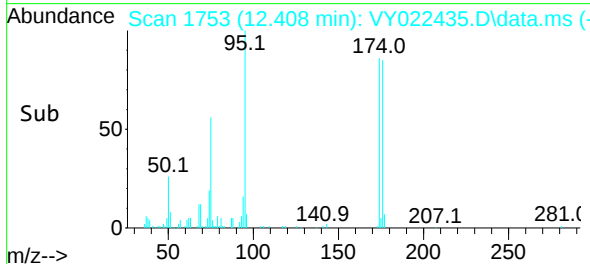
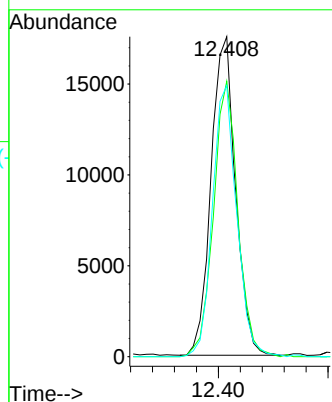
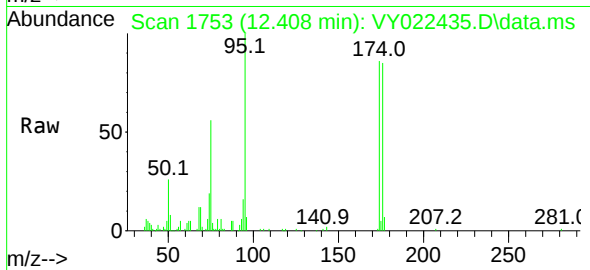




#62
4-Bromofluorobenzene
Concen: 34.426 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

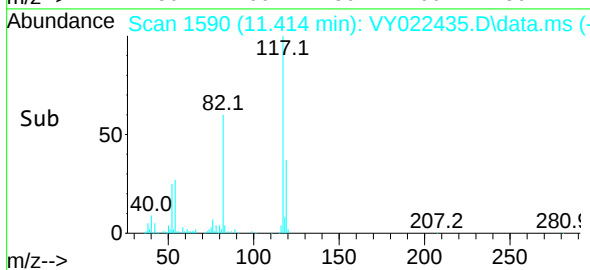
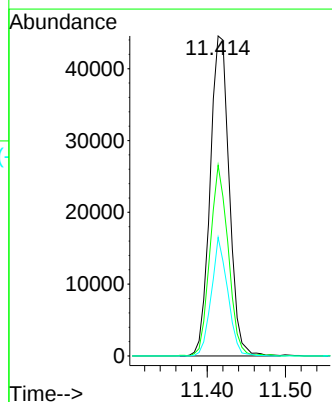
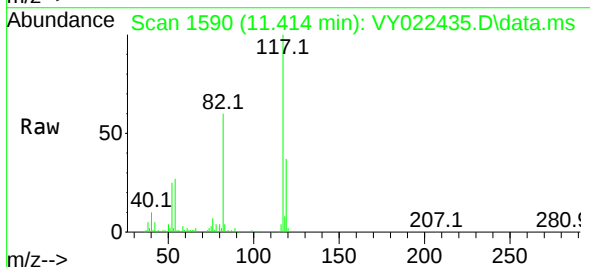
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE

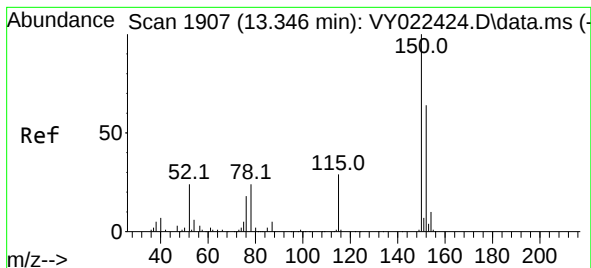
Tgt Ion: 95 Resp: 27180
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.6
176 84.3 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Tgt Ion: 117 Resp: 75562
Ion Ratio Lower Upper
117 100
82 59.6 43.3 64.9
119 37.0 24.5 36.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022435.D

Acq: 27 May 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2RE

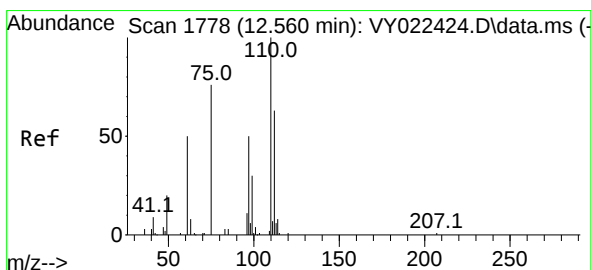
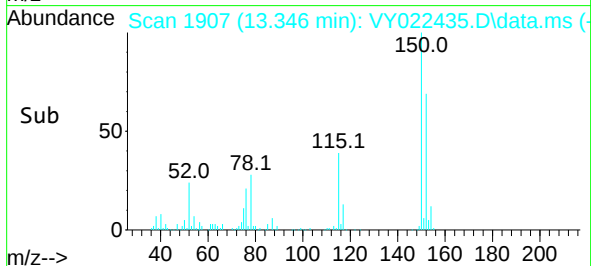
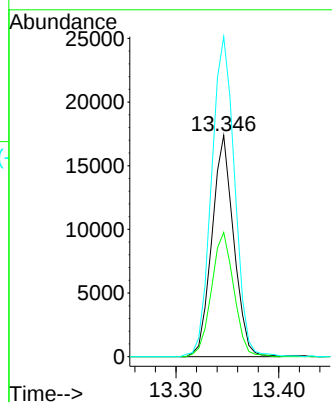
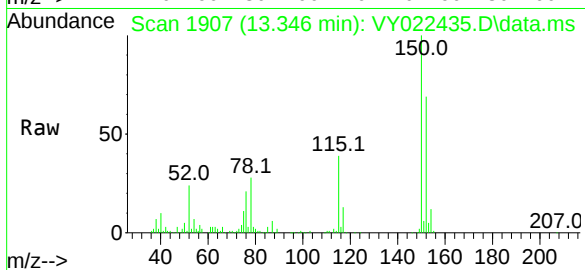
Tgt Ion:152 Resp: 25617

Ion Ratio Lower Upper

152 100

115 57.7 28.4 85.3

150 153.5 0.0 345.8



#76

1,2,3-Trichloropropane

Concen: 62.499 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY022435.D

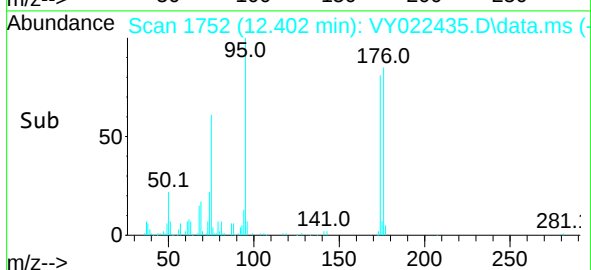
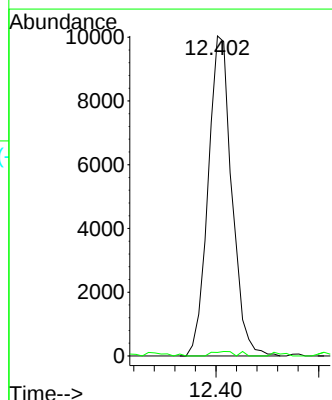
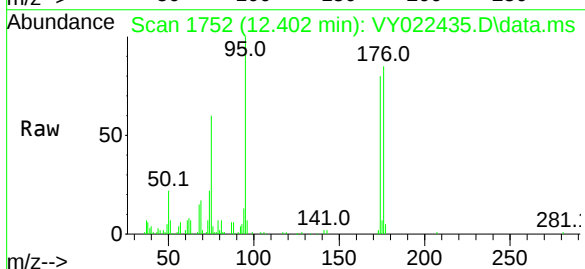
Acq: 27 May 2025 15:38

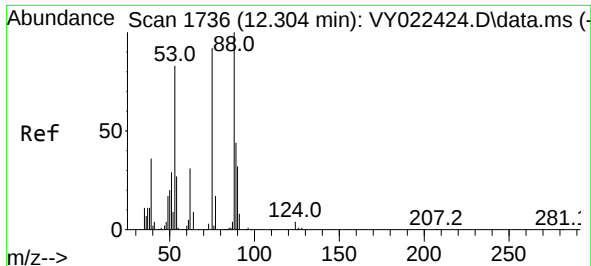
Tgt Ion: 75 Resp: 16037

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

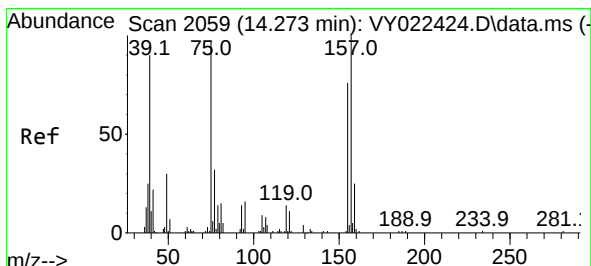
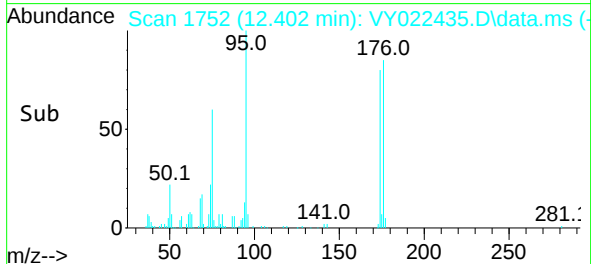
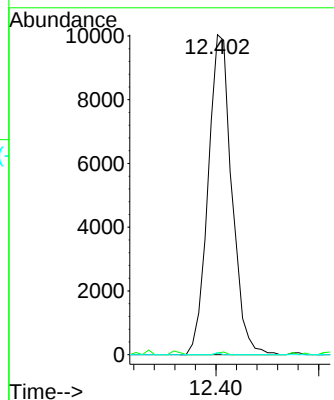
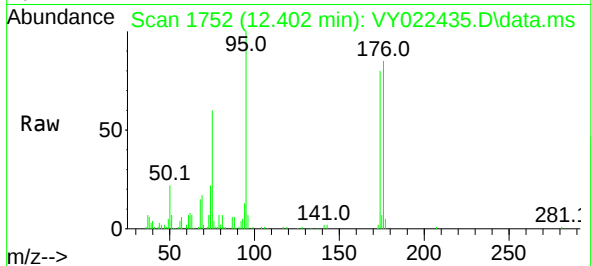




#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.339 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022435.D
 Acq: 27 May 2025 15:38

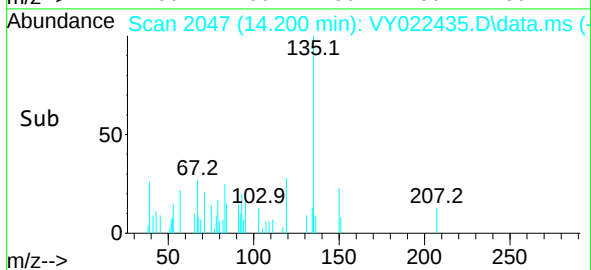
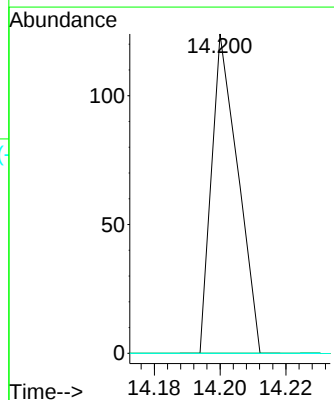
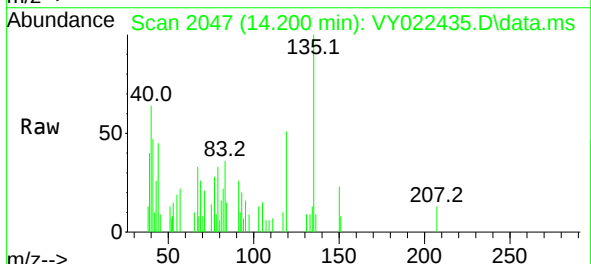
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2RE

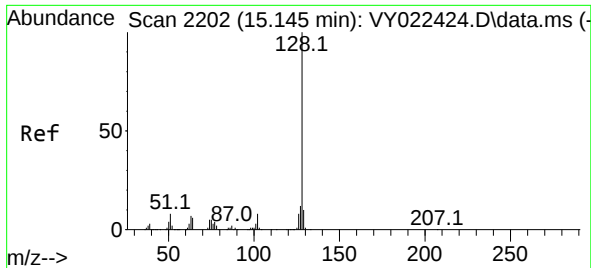
Tgt Ion: 75 Resp: 16037
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.1 112.7#
 89 0.1 37.4 56.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.406 ug/l
 RT: 14.200 min Scan# 2047
 Delta R.T. -0.073 min
 Lab File: VY022435.D
 Acq: 27 May 2025 15:38

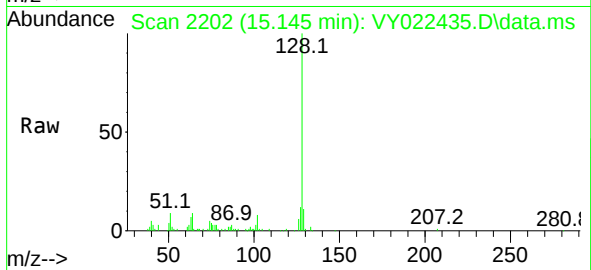
Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.3 126.8#
 157 0.0 54.4 163.3#





#95
Naphthalene
Concen: 25.354 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022435.D
Acq: 27 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2RE



Tgt Ion:	128	Resp:	18947
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.2	8.5	12.7

