

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022819.D
 Acq On : 25 Jun 2025 12:58
 Operator : SY/MD
 Sample : Q2413-01
 Misc : 6.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-35

Quant Time: Jun 26 01:25:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

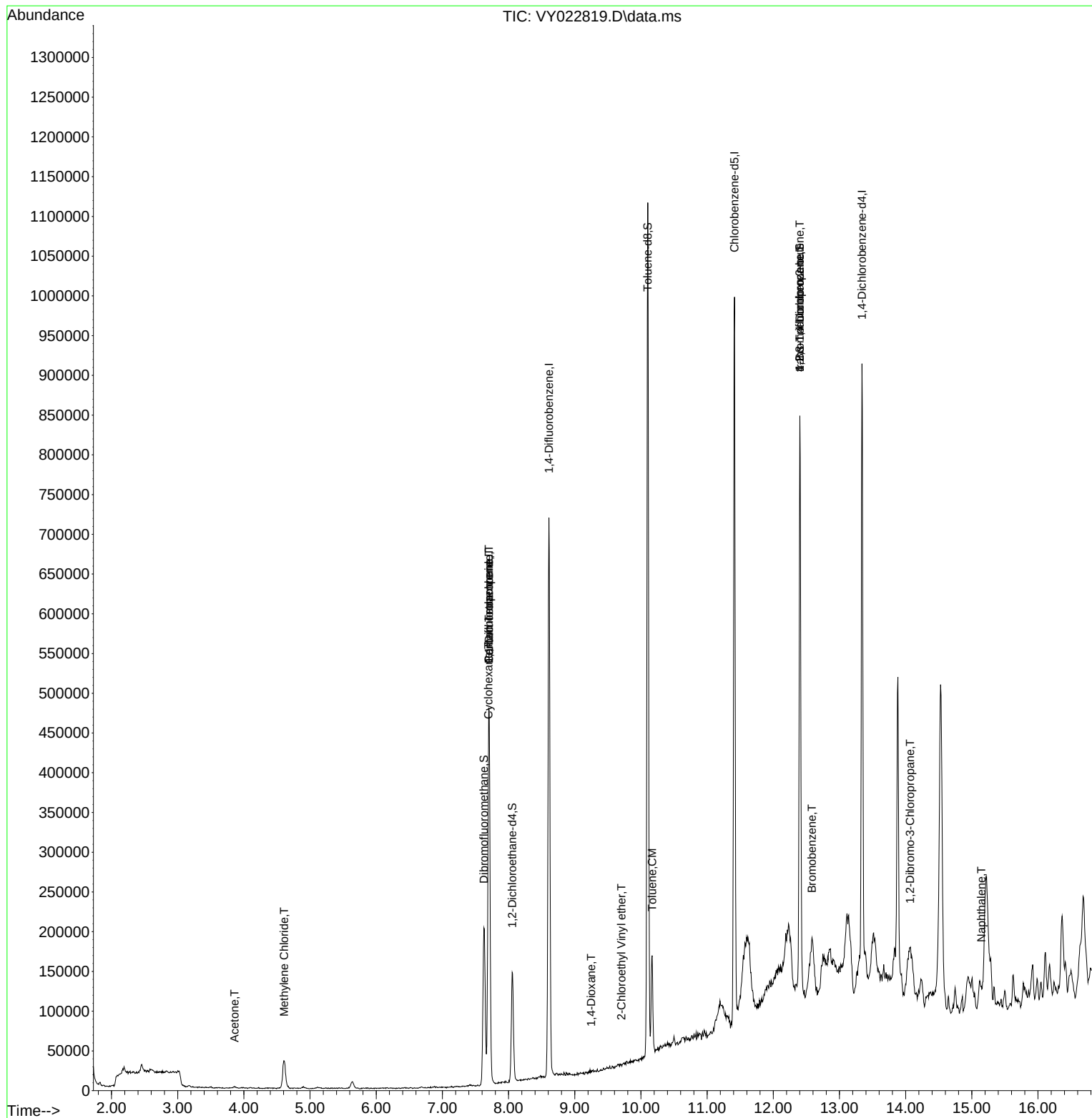
Internal Standards						
1) Pentafluorobenzene	7.701	168	364868	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	594692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	465645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	185932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	110673	27.177	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.360%
35) Dibromofluoromethane	7.628	113	142685	39.452	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.900%
50) Toluene-d8	10.103	98	688461	47.972	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.940%
62) 4-Bromofluorobenzene	12.401	95	193232	41.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.760%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	2222	2.887	ug/l #	59
20) Methylene Chloride	4.610	84	26230	5.396	ug/l	98
31) Cyclohexane	7.695	56	9282	1.327	ug/l #	51
36) 1,1-Dichloropropene	7.701	75	29874	5.450	ug/l #	52
38) Carbon Tetrachloride	7.701	117	38366	6.633	ug/l #	16
49) 1,4-Dioxane	9.249	88	57	2.155	ug/l #	1
52) Toluene	10.170	92	49656	4.670	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.707	63	86	15.695	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	109657	57.769	ug/l #	100
77) Bromobenzene	12.584	156	62486	20.048	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	109657	145.946	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.066	75	2003	5.330	ug/l #	2
95) Naphthalene	15.145	128	8039	1.427	ug/l #	90

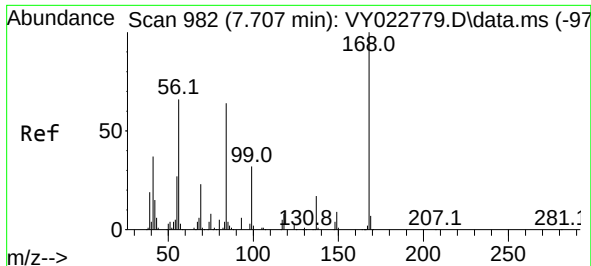
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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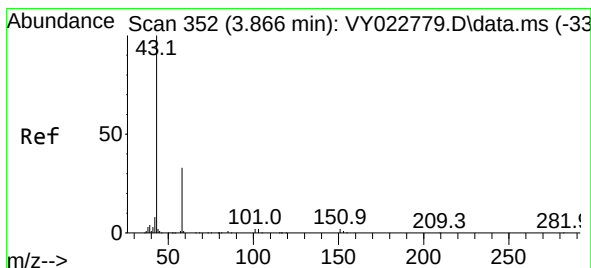
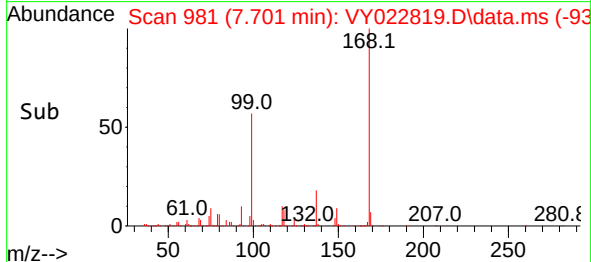
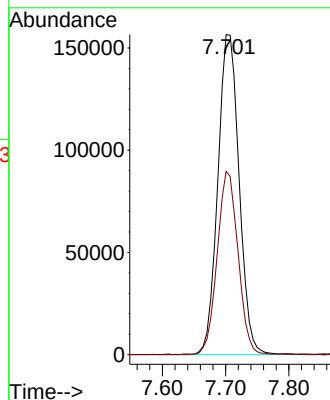
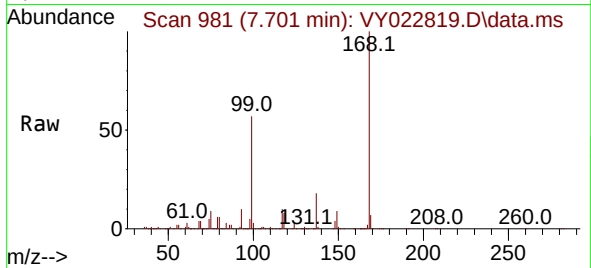




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

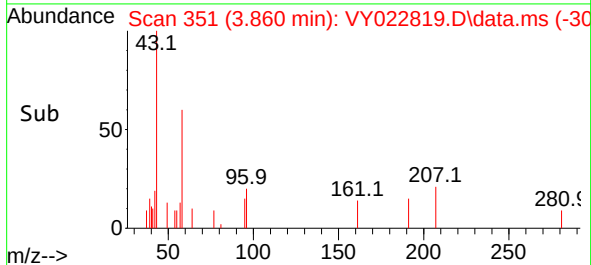
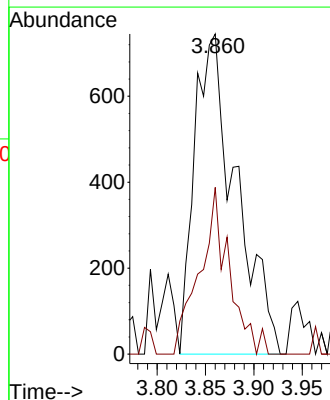
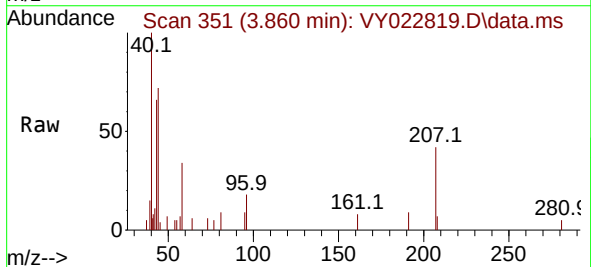
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

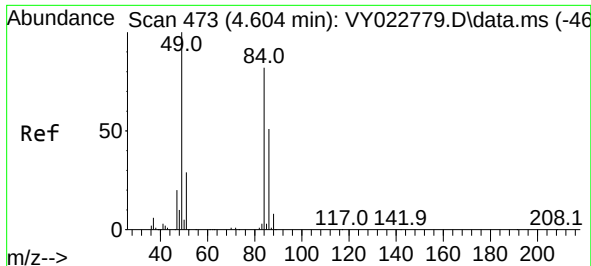
Tgt Ion:168 Resp: 364868
Ion Ratio Lower Upper
168 100
99 57.3 44.3 66.5



#16
Acetone
Concen: 2.887 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 43 Resp: 2222
Ion Ratio Lower Upper
43 100
58 52.1 24.0 36.0#

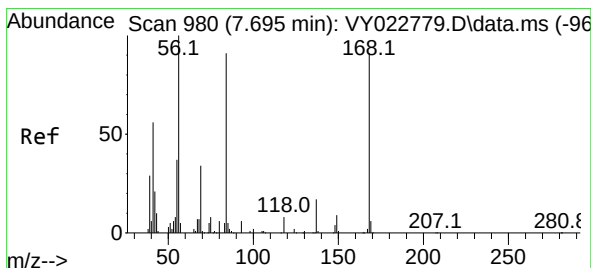
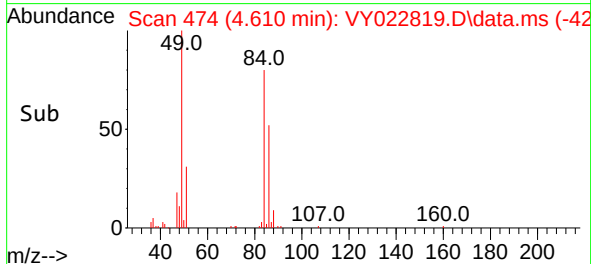
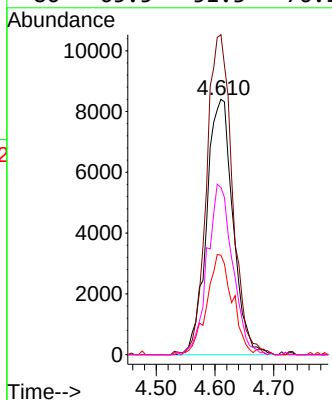
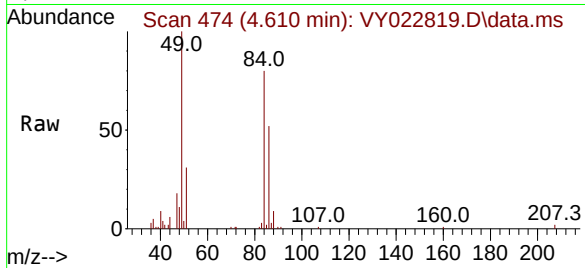




#20
Methylene Chloride
Concen: 5.396 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

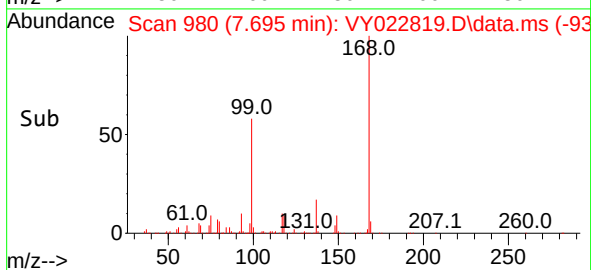
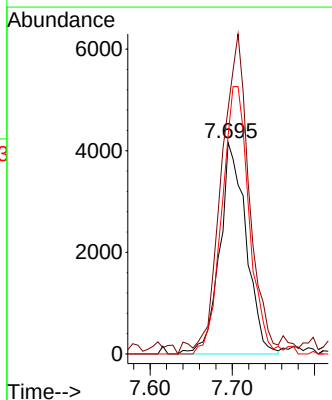
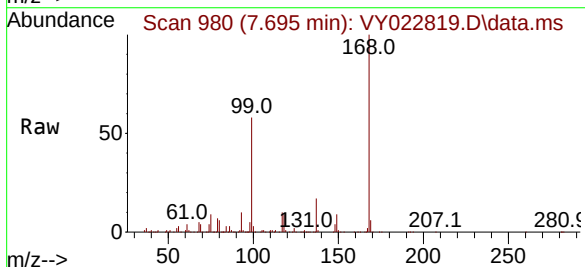
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

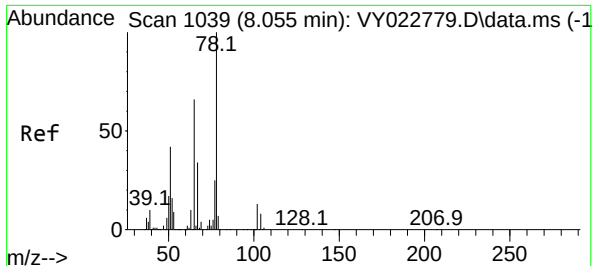
Tgt Ion:	84	Resp:	26230
Ion	Ratio	Lower	Upper
84	100		
49	125.3	101.9	152.9
51	39.0	29.8	44.8
86	65.5	51.3	76.9



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.013 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion:	56	Resp:	9282
Ion	Ratio	Lower	Upper
56	100		
69	116.1	27.0	40.6#
84	103.3	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 27.177 ug/l

RT: 8.054 min Scan# 1106

Delta R.T. -0.013 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

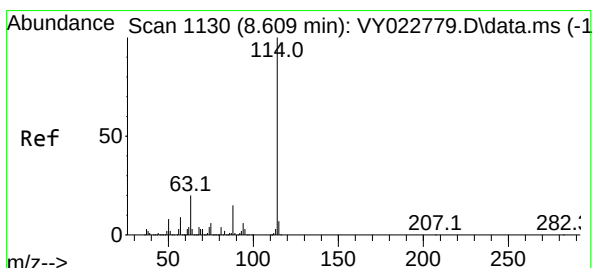
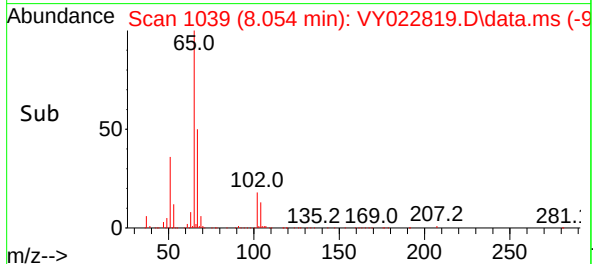
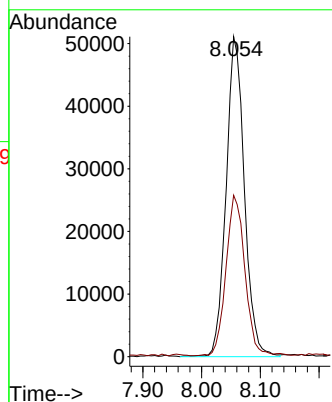
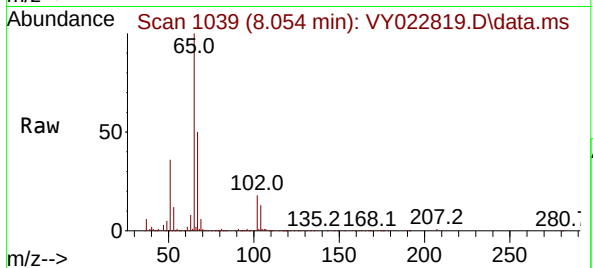
TP-35

Tgt Ion: 65 Resp: 110673

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

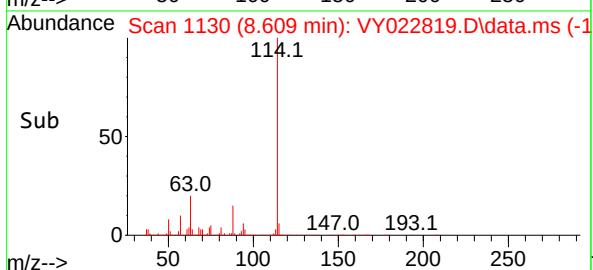
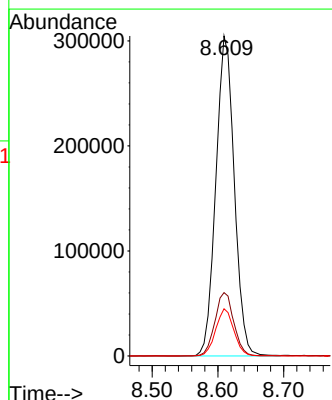
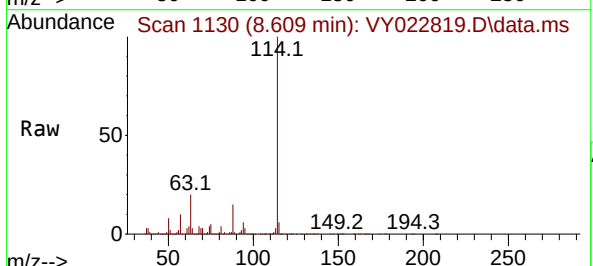
Tgt Ion: 114 Resp: 594692

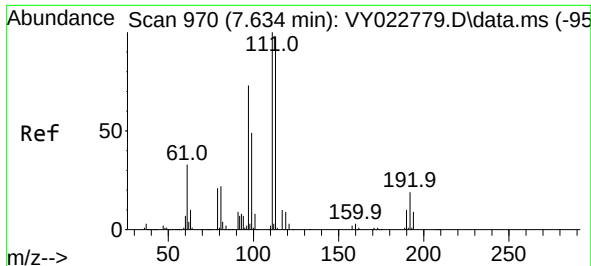
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.8 0.0 27.8

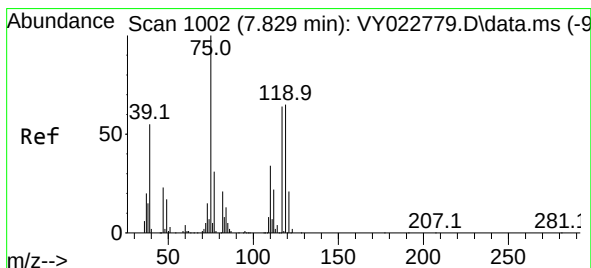
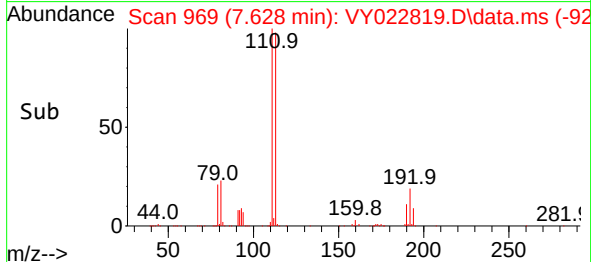
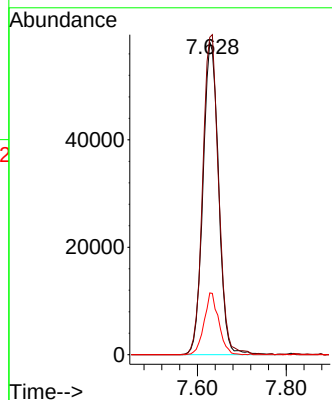
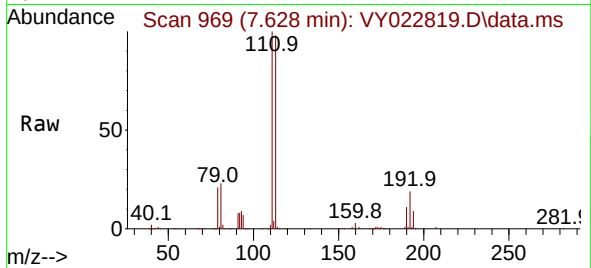




#35
Dibromofluoromethane
Concen: 39.452 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.013 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

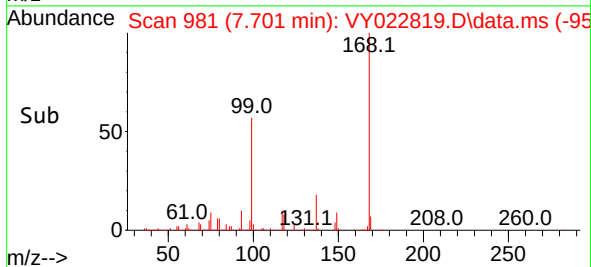
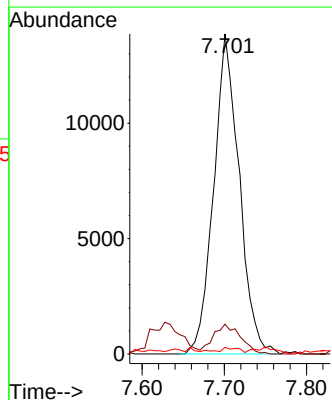
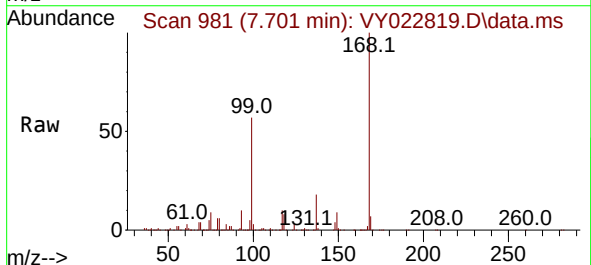
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

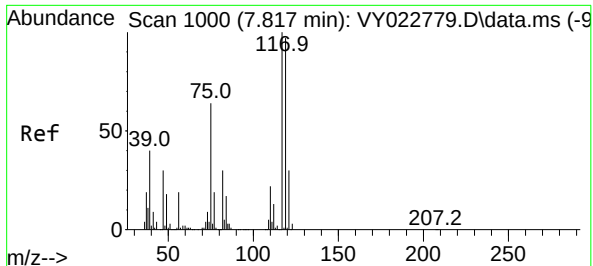
Tgt Ion:113 Resp: 142685
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.450 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 75 Resp: 29874
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.9 24.8 37.2#

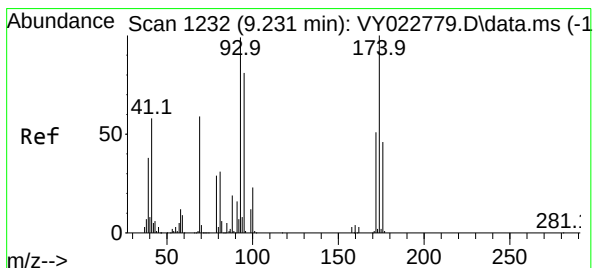
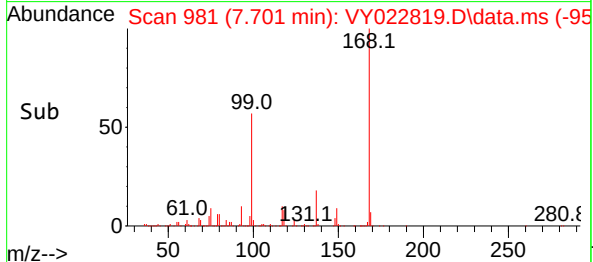
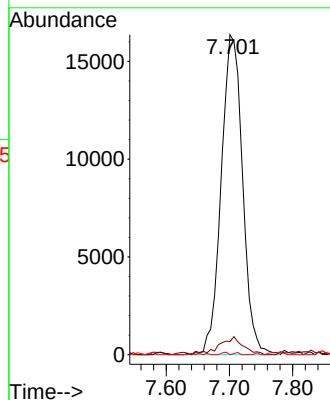
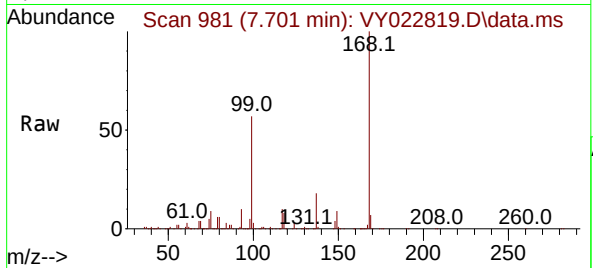




#38
Carbon Tetrachloride
Concen: 6.633 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

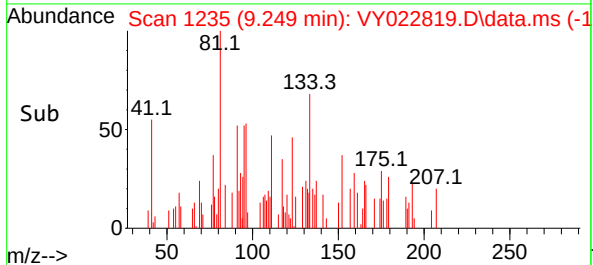
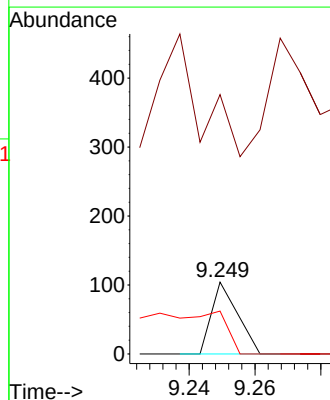
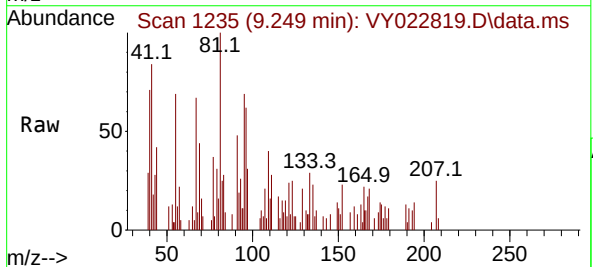
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

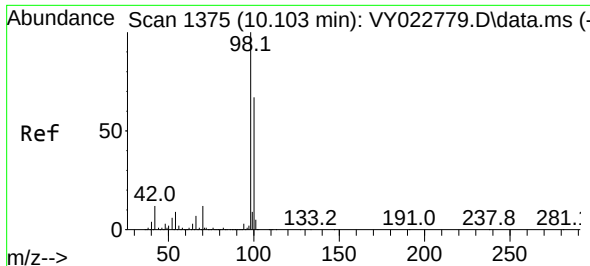
Tgt Ion:117 Resp: 38366
Ion Ratio Lower Upper
117 100
119 3.5 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.155 ug/l
RT: 9.249 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 252.6 25.4 38.2#
58 217.5 54.9 82.3#

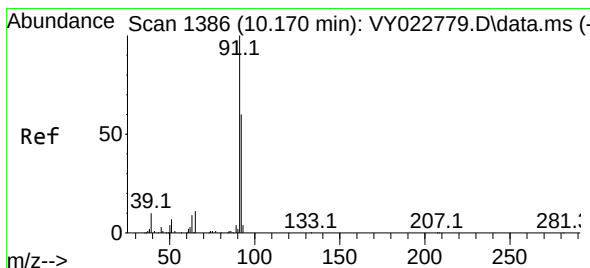
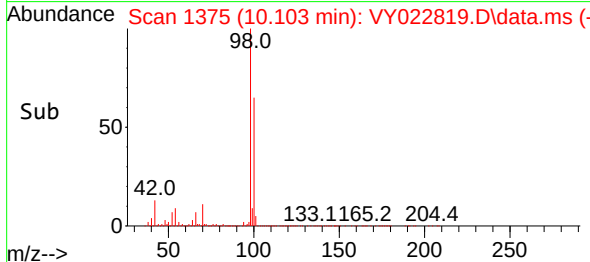
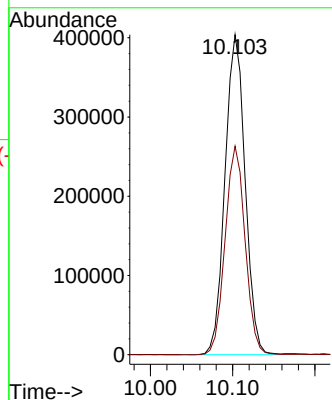
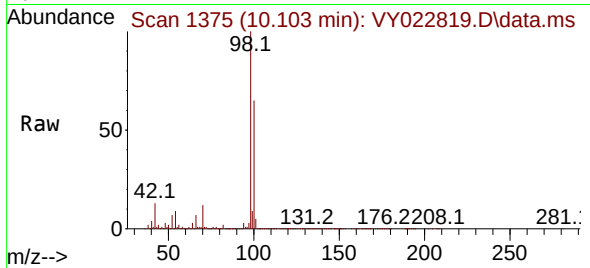




#50
Toluene-d8
Concen: 47.972 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

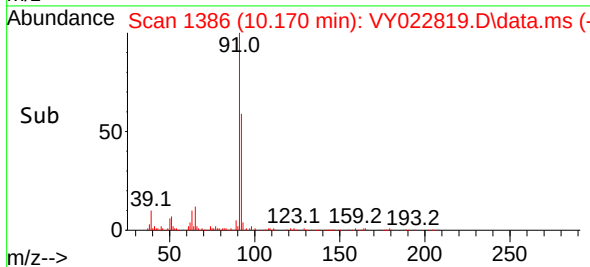
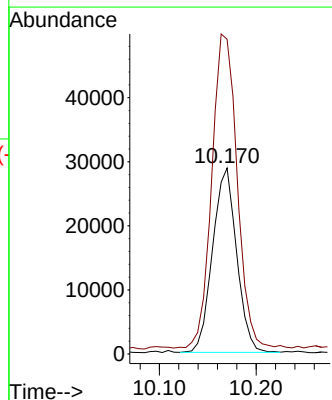
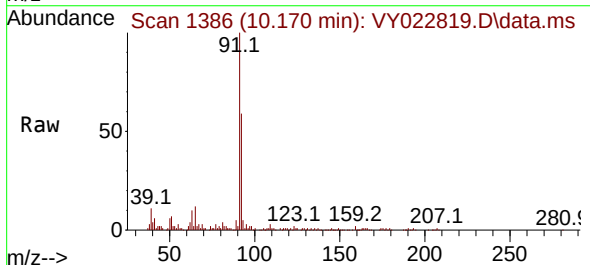
Instrument :
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ClientSampleId :
TP-35

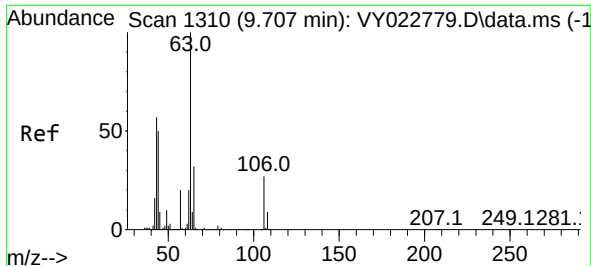
Tgt Ion: 98 Resp: 688461
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#52
Toluene
Concen: 4.670 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 92 Resp: 49656
Ion Ratio Lower Upper
92 100
91 179.3 139.0 208.4





#58

2-Chloroethyl Vinyl ether

Concen: 15.695 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

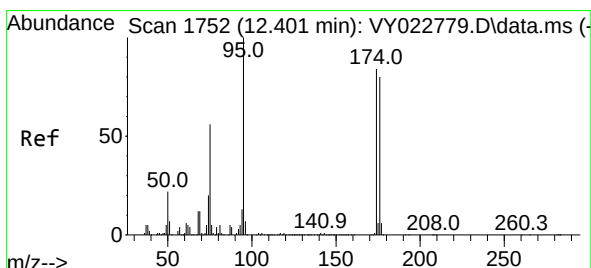
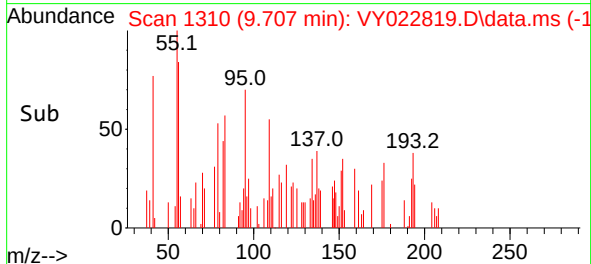
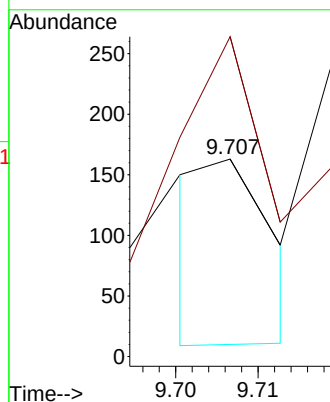
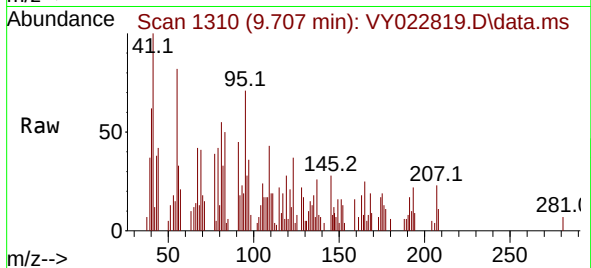
TP-35

Tgt Ion: 63 Resp: 86

Ion Ratio Lower Upper

63 100

106 169.8 21.6 32.4#



#62

4-Bromofluorobenzene

Concen: 41.884 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

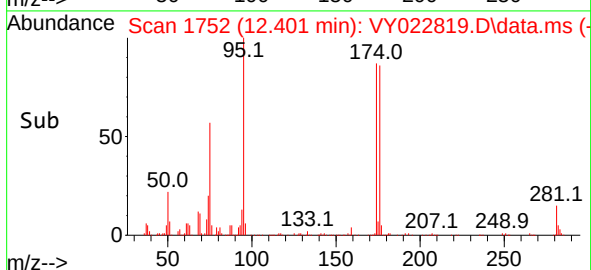
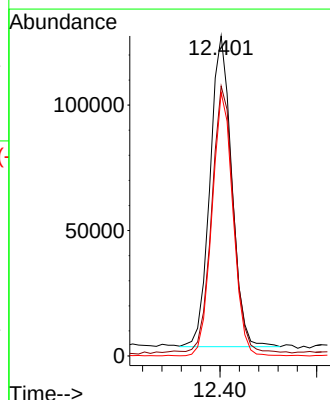
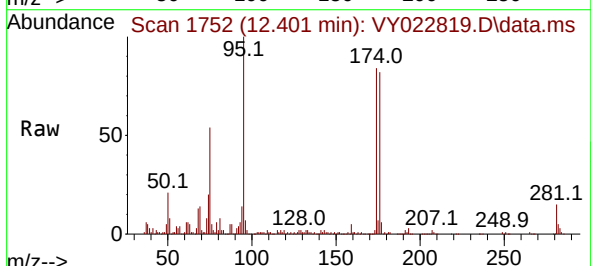
Tgt Ion: 95 Resp: 193232

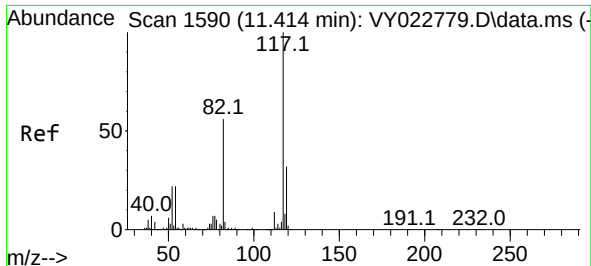
Ion Ratio Lower Upper

95 100

174 89.9 0.0 170.0

176 81.8 0.0 166.2

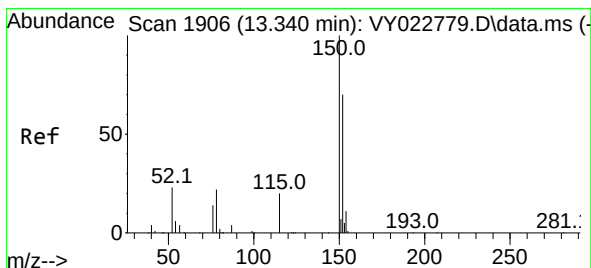
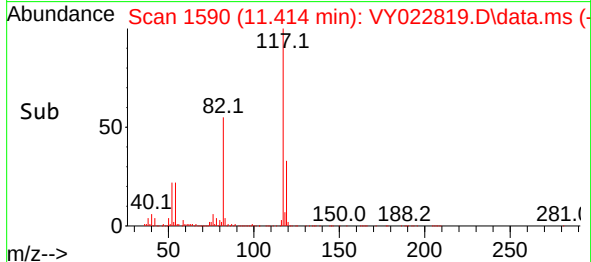
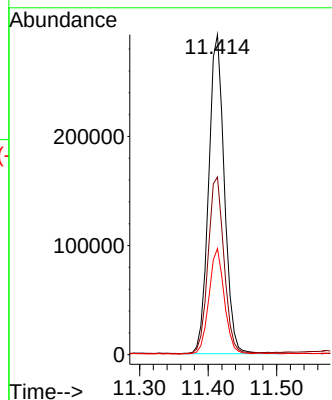
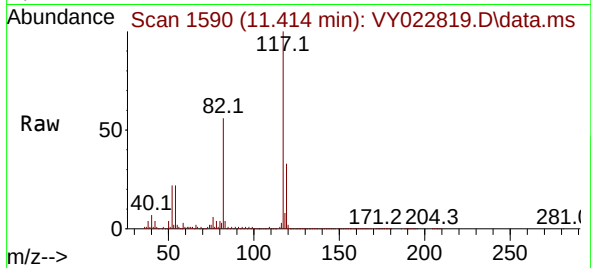




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

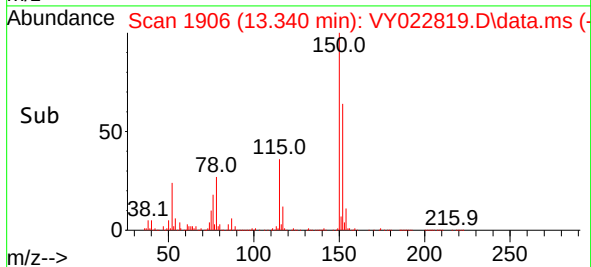
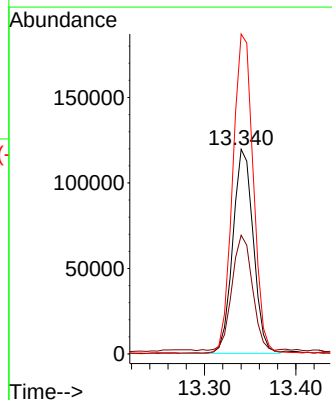
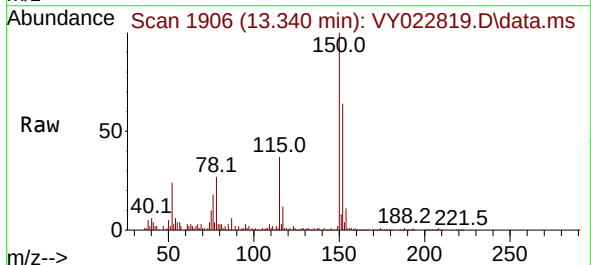
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

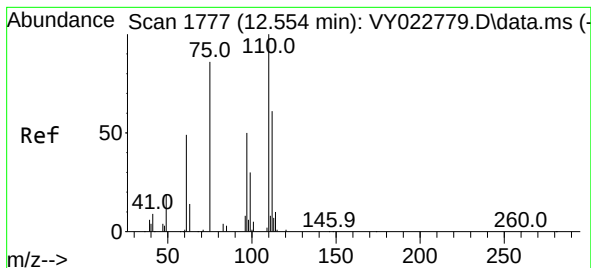
Tgt Ion:117 Resp: 465645
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion:152 Resp: 185932
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 157.1 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 57.769 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

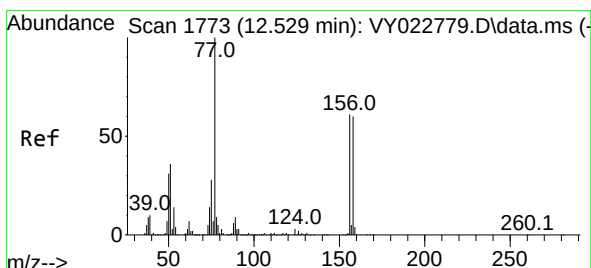
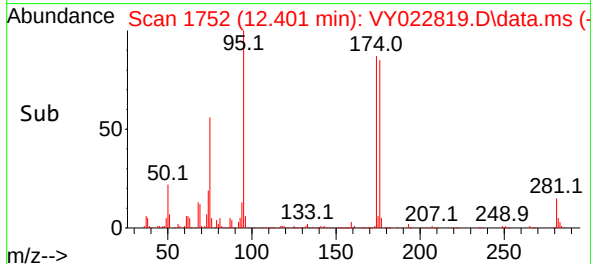
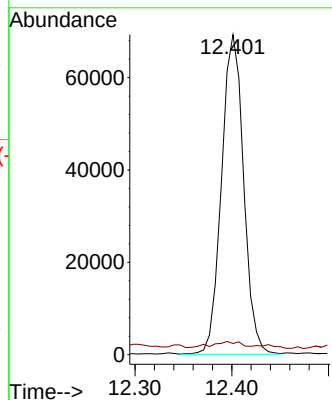
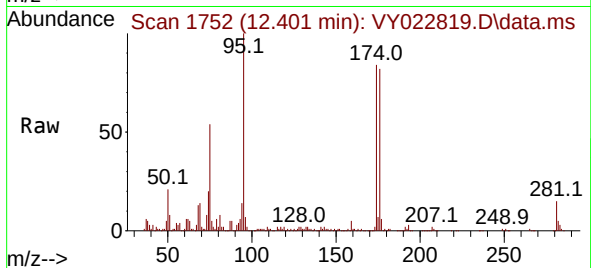
TP-35

Tgt Ion: 75 Resp: 109657

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



#77

Bromobenzene

Concen: 20.048 ug/l

RT: 12.584 min Scan# 1782

Delta R.T. 0.048 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

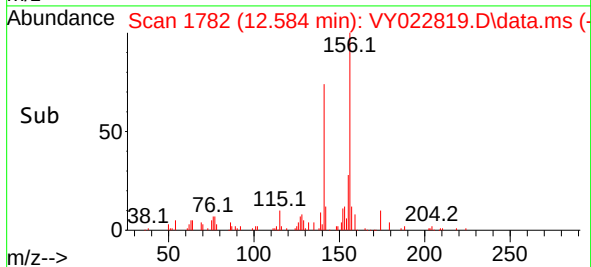
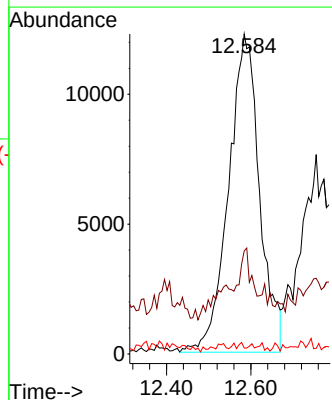
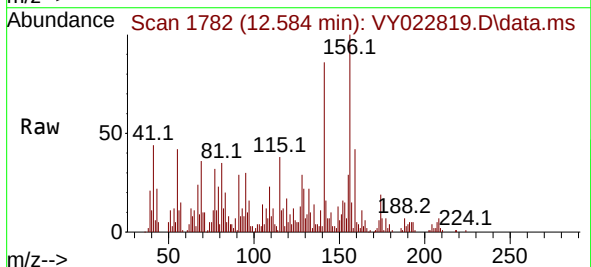
Tgt Ion: 156 Resp: 62486

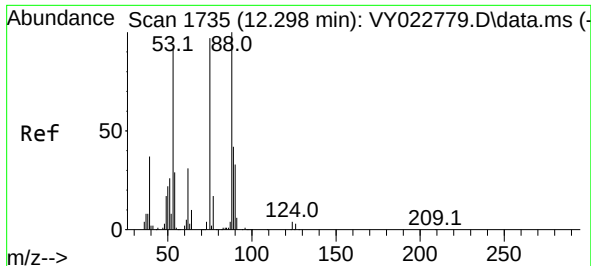
Ion Ratio Lower Upper

156 100

77 4.7 94.0 282.1#

158 0.4 48.2 144.6#

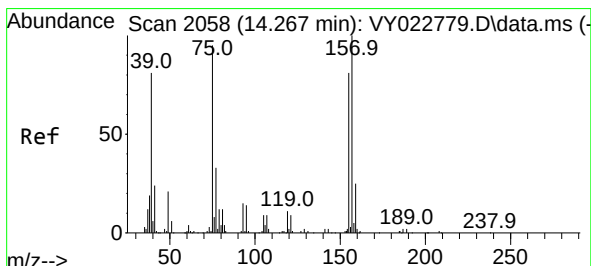
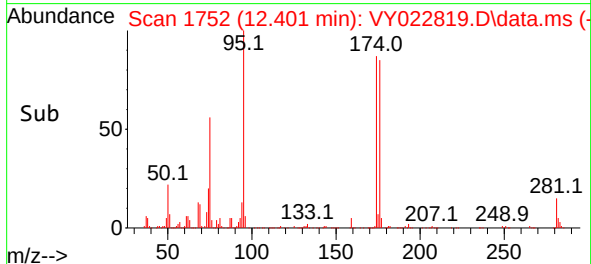
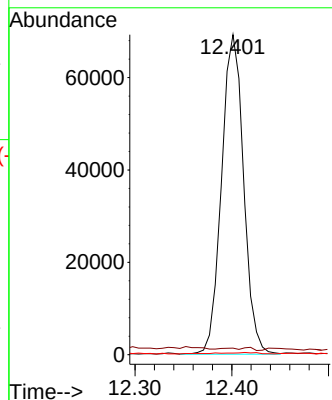
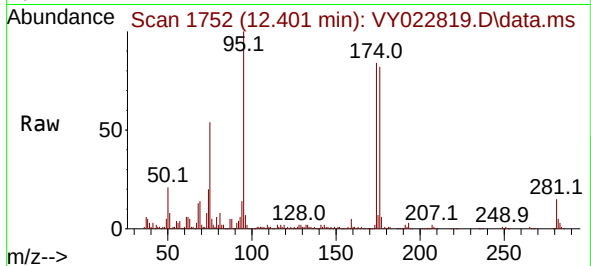




#81
trans-1,4-Dichloro-2-butene
Concen: 145.946 ug/l
RT: 12.401 min Scan# 1
Delta R.T. 0.097 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

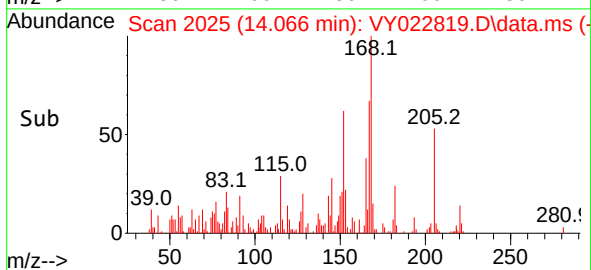
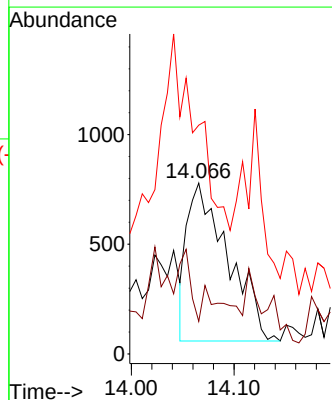
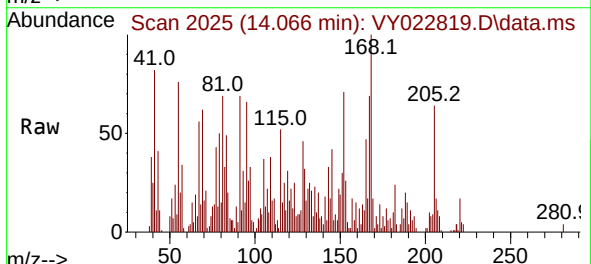
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

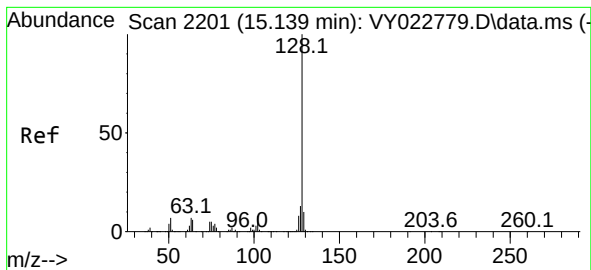
Tgt Ion: 75 Resp: 109657
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.330 ug/l
RT: 14.066 min Scan# 2025
Delta R.T. -0.208 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 75 Resp: 2003
Ion Ratio Lower Upper
75 100
155 0.0 39.9 119.6#
157 0.0 54.0 162.0#





#95

Naphthalene

Concen: 1.427 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022819.D

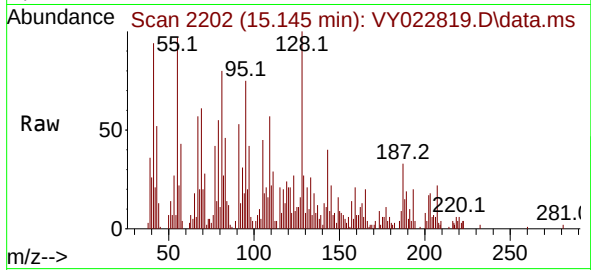
Acq: 25 Jun 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-35



Tgt Ion:128 Resp: 8039

Ion Ratio Lower Upper

128 100

127 17.7 10.4 15.6#

129 13.8 8.9 13.3#

