

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021598.D
 Acq On : 21 Mar 2025 14:39
 Operator : SY/MD
 Sample : Q1619-07
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Mar 21 23:11:27 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)

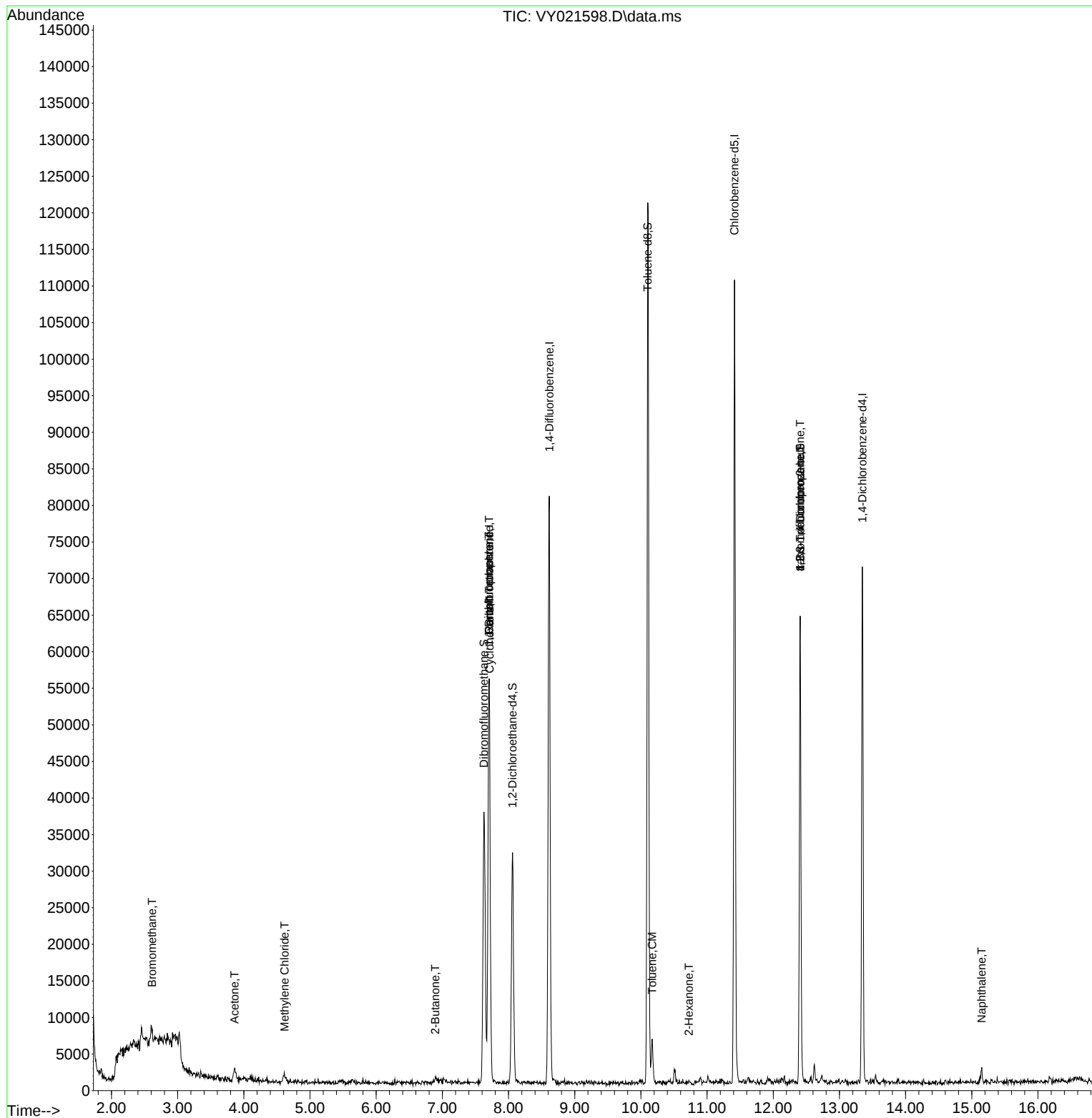
Internal Standards						
1) Pentafluorobenzene	7.707	168	41643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	66577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	55442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	17662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25321	57.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.060%
35) Dibromofluoromethane	7.628	113	25434	58.119	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.240%
50) Toluene-d8	10.103	98	77648	46.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.720%
62) 4-Bromofluorobenzene	12.408	95	19516	34.625	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.260%
Target Compounds						
					Qvalue	
5) Bromomethane	2.610	94	826	1.941	ug/l #	43
11) Tert butyl alcohol	4.891	59	24	Below Cal	#	72
16) Acetone	3.860	43	2711	28.240	ug/l	92
20) Methylene Chloride	4.616	84	707	1.403	ug/l #	69
25) 2-Butanone	6.890	43	963	7.252	ug/l #	88
31) Cyclohexane	7.713	56	1145	1.389	ug/l #	30
36) 1,1-Dichloropropene	7.701	75	3794	5.539	ug/l #	49
38) Carbon Tetrachloride	7.707	117	4607	5.848	ug/l #	16
52) Toluene	10.170	92	2196	1.726	ug/l	97
59) 2-Hexanone	10.725	43	219	1.092	ug/l #	24
76) 1,2,3-Trichloropropane	12.408	75	10525	59.137	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10525	134.436	ug/l #	10
95) Naphthalene	15.151	128	1747	5.076	ug/l	95

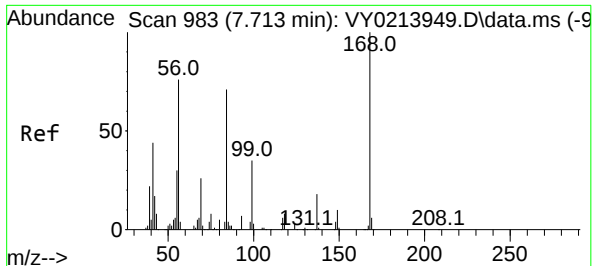
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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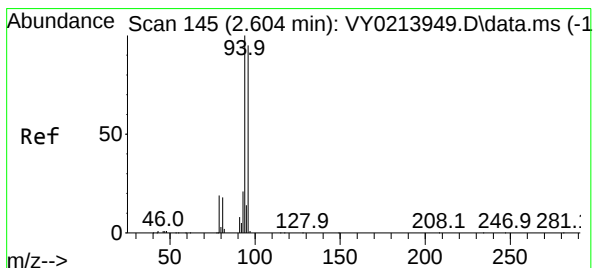
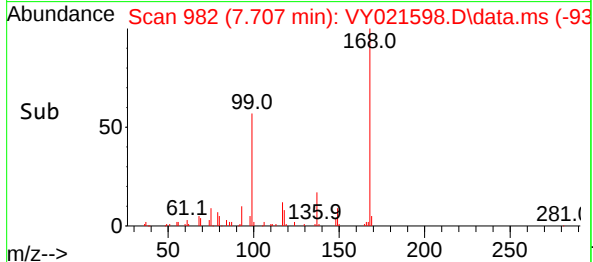
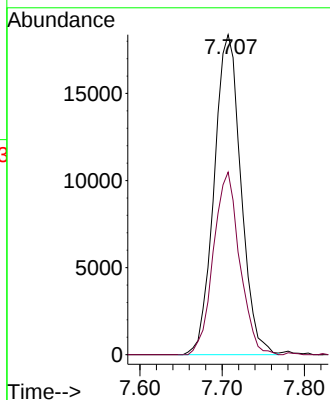
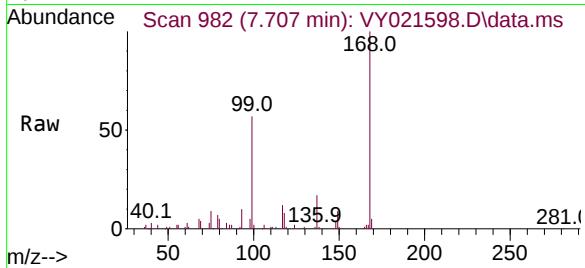




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

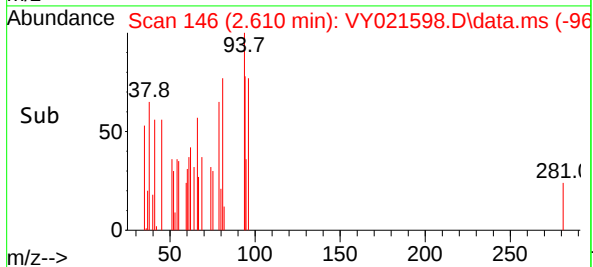
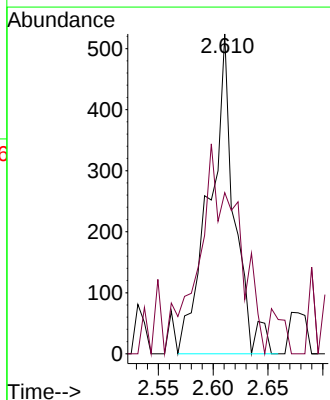
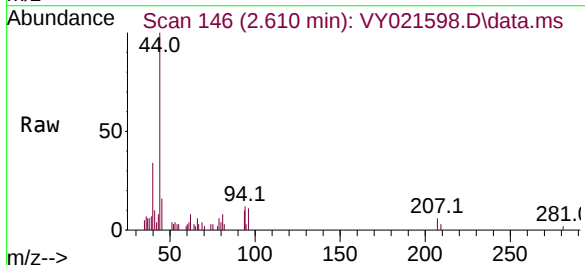
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

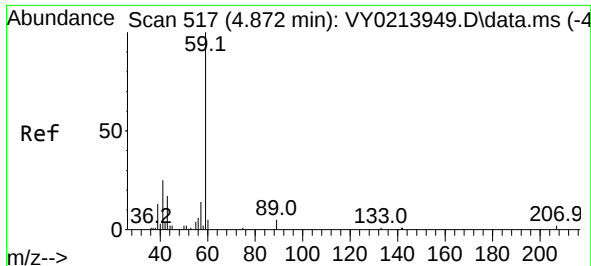
Tgt Ion:168 Resp: 41643
Ion Ratio Lower Upper
168 100
99 57.0 46.0 69.0



#5
Bromomethane
Concen: 1.941 ug/l
RT: 2.610 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion: 94 Resp: 826
Ion Ratio Lower Upper
94 100
96 39.7 76.3 114.5#

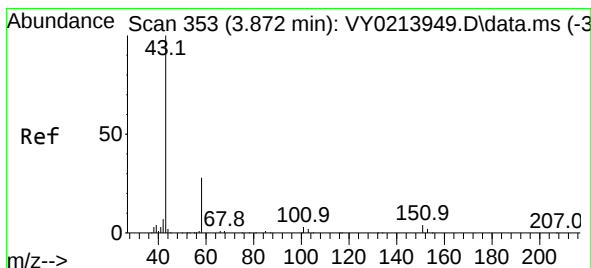
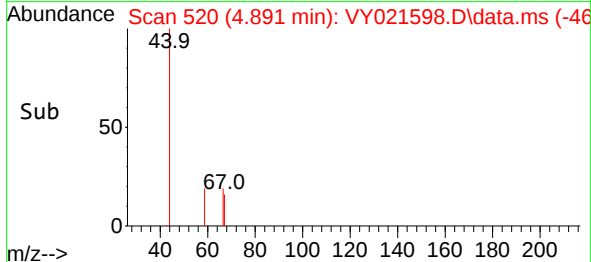
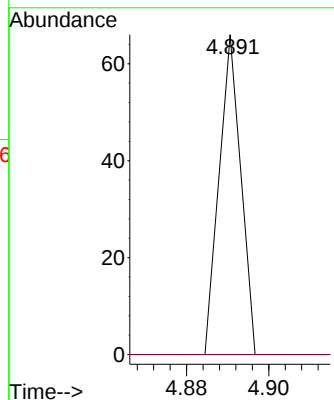
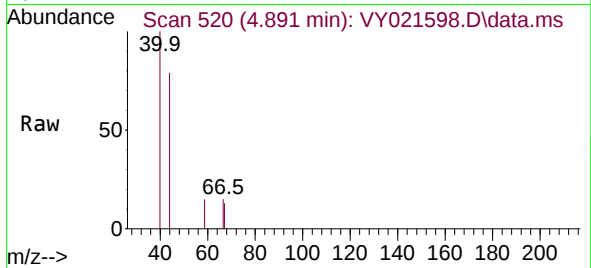




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.891 min Scan# 517
Delta R.T. 0.019 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

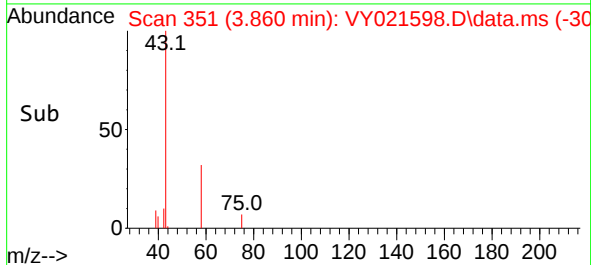
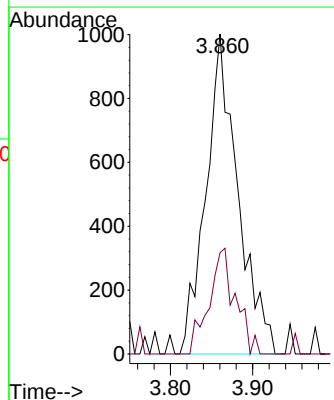
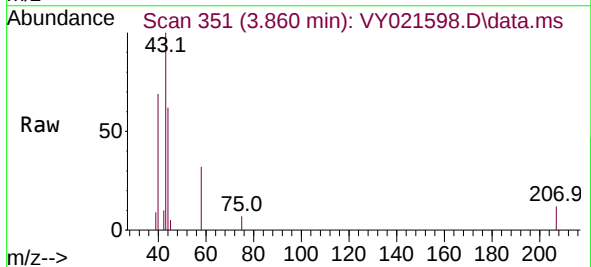
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

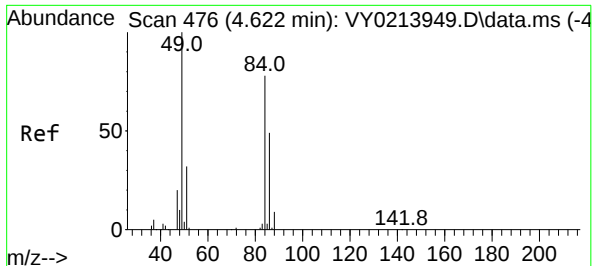
Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 28.240 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
58 31.6 22.1 33.1





#20

Methylene Chloride

Concen: 1.403 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

Tgt Ion: 84 Resp: 707

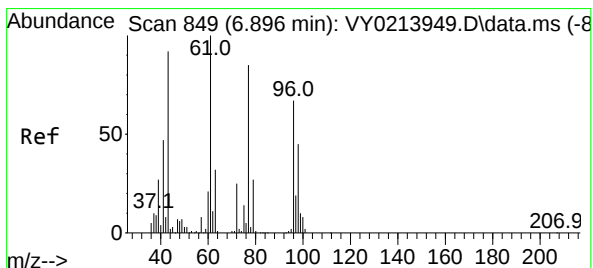
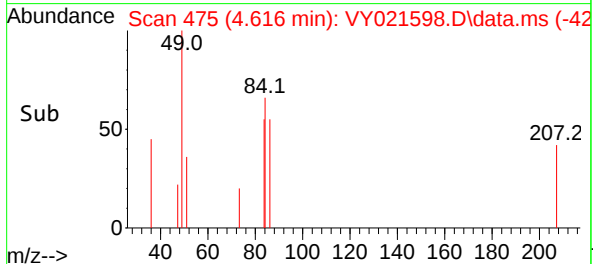
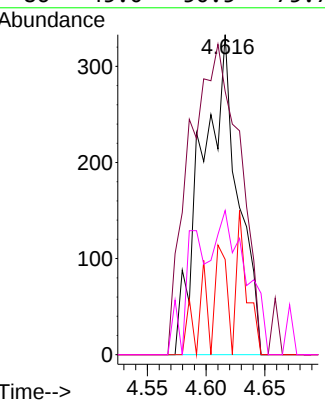
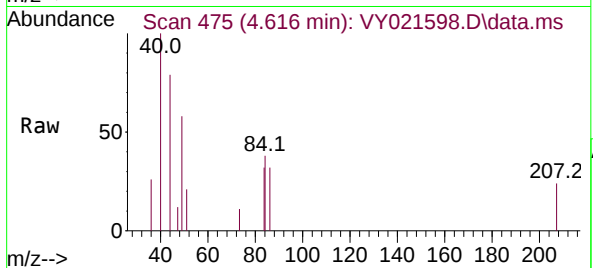
Ion Ratio Lower Upper

84 100

49 82.3 102.0 153.0#

51 29.7 33.0 49.6#

86 45.0 50.5 75.7#



#25

2-Butanone

Concen: 7.252 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY021598.D

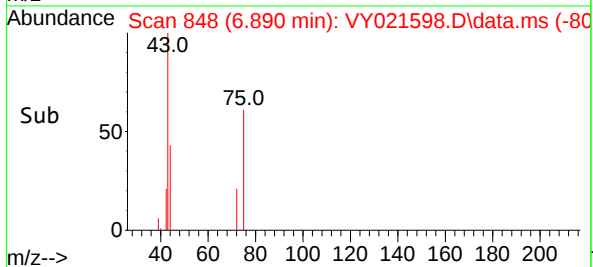
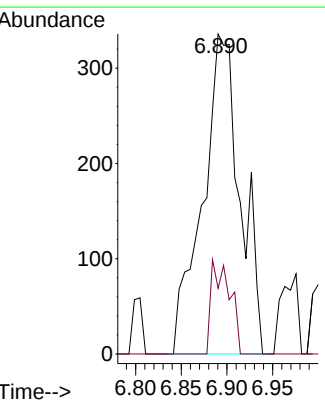
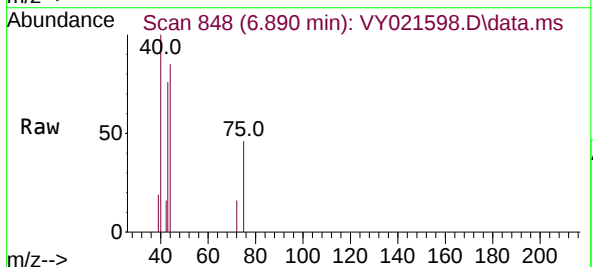
Acq: 21 Mar 2025 14:39

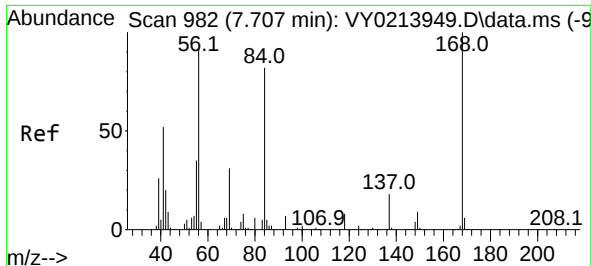
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

72 20.5 21.4 32.0#

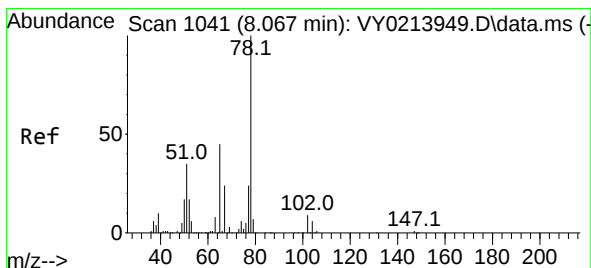
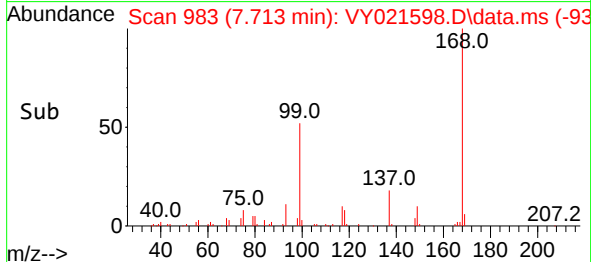
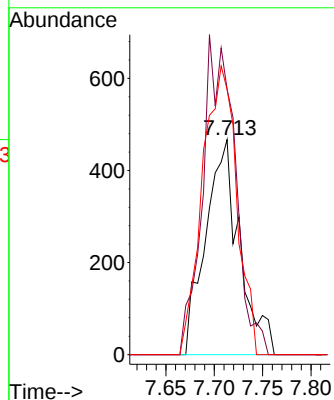
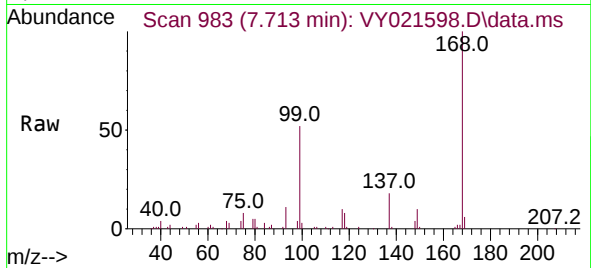




#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

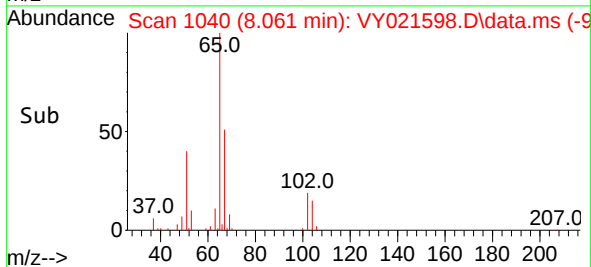
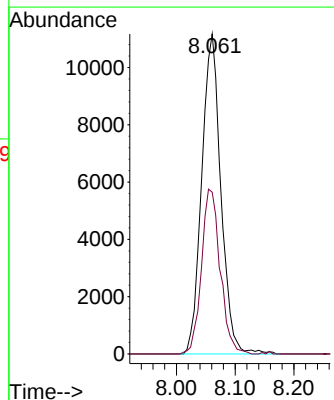
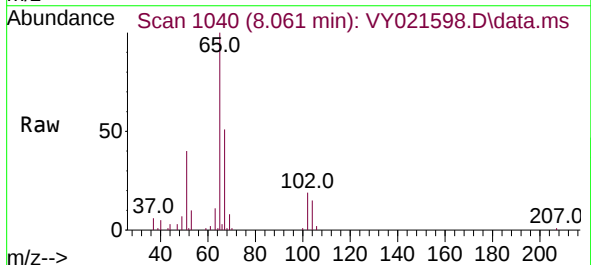
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

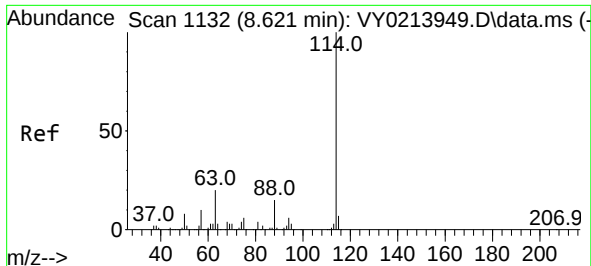
Tgt Ion: 56 Resp: 1145
Ion Ratio Lower Upper
56 100
69 123.6 27.0 40.4#
84 123.3 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 57.529 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion: 65 Resp: 25321
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.8

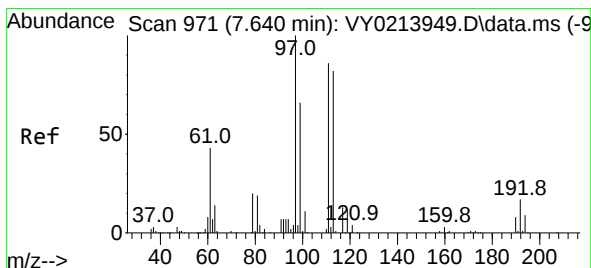
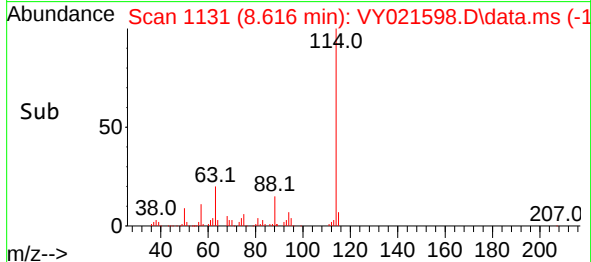
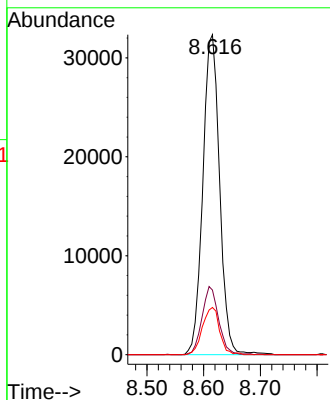
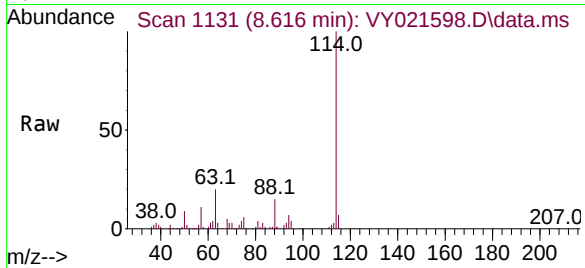




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

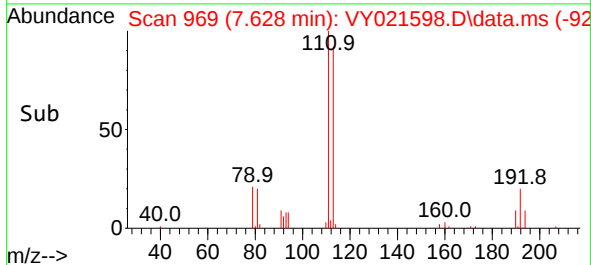
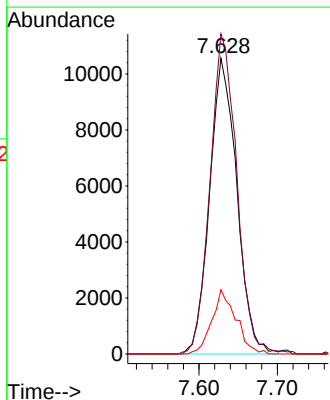
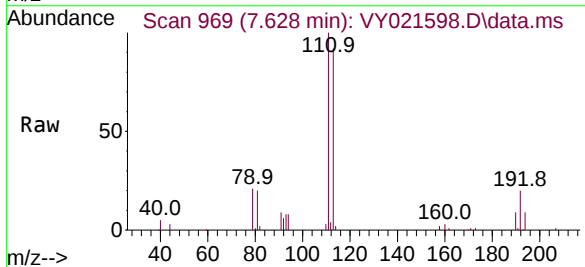
Instrument :
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ClientSampleId :
TP-2

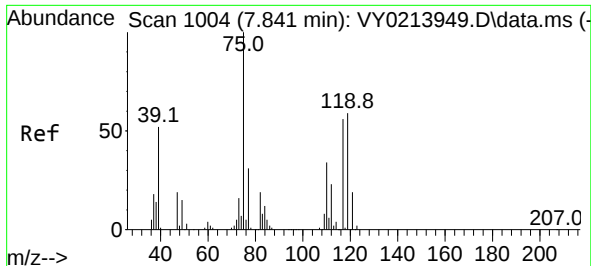
Tgt Ion:114	Resp:	66577
Ion Ratio	Lower	Upper
114	100	
63	20.2	0.0 40.8
88	14.7	0.0 30.8



#35
Dibromofluoromethane
Concen: 58.119 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion:113	Resp:	25434
Ion Ratio	Lower	Upper
113	100	
111	106.6	82.0 123.0
192	19.3	15.9 23.9

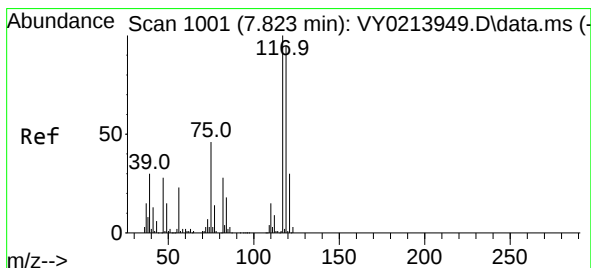
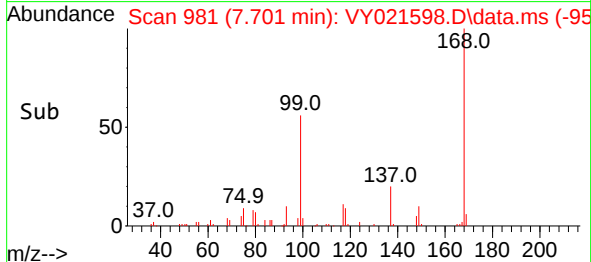
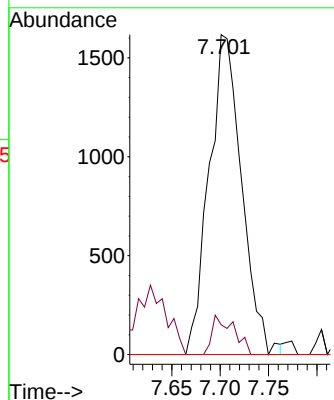
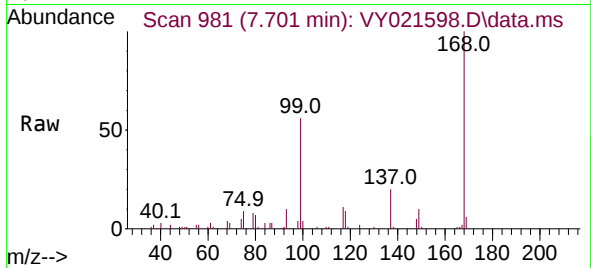




#36
 1,1-Dichloropropene
 Concen: 5.539 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY021598.D
 Acq: 21 Mar 2025 14:39

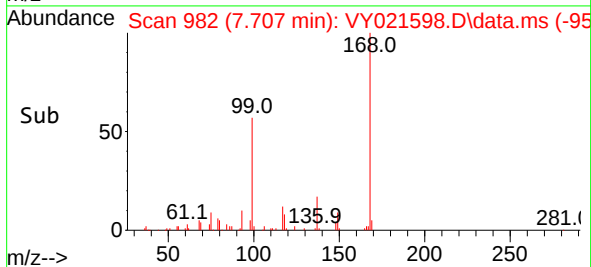
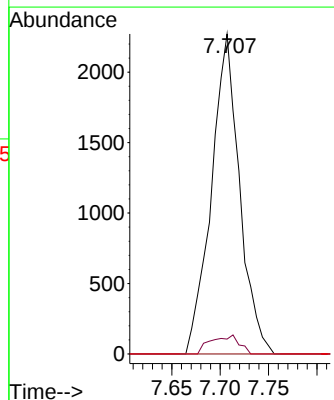
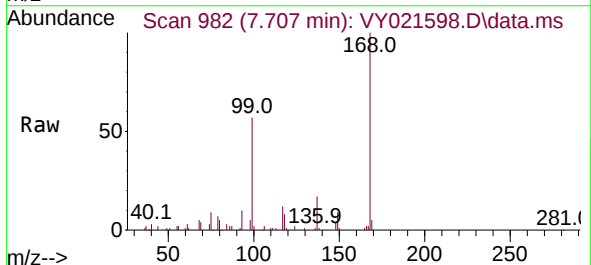
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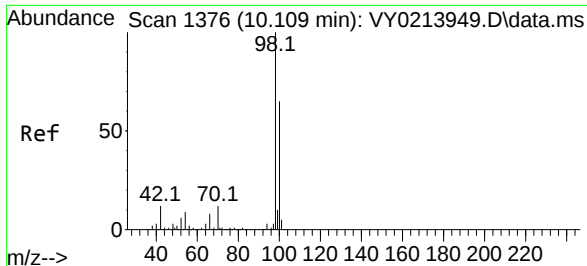
Tgt Ion: 75 Resp: 3794
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.3 51.7#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.848 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY021598.D
 Acq: 21 Mar 2025 14:39

Tgt Ion: 117 Resp: 4607
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.8 113.8#
 121 0.0 23.9 35.9#

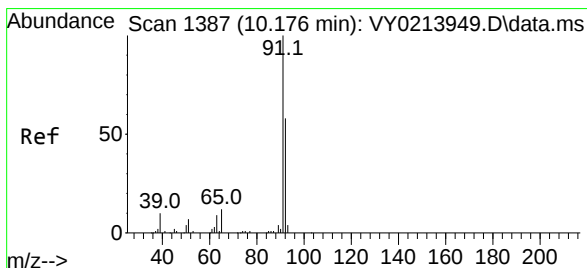
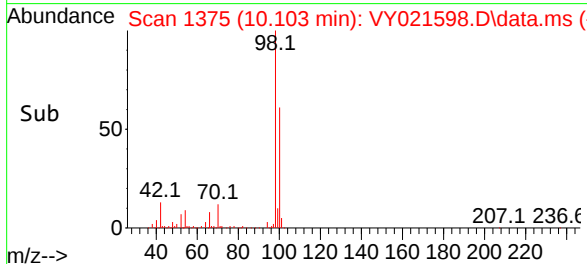
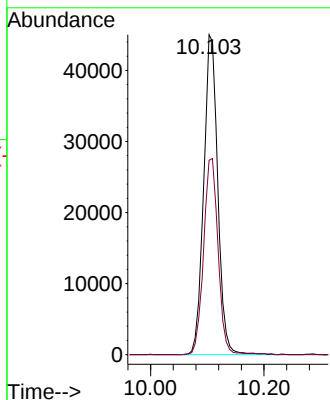
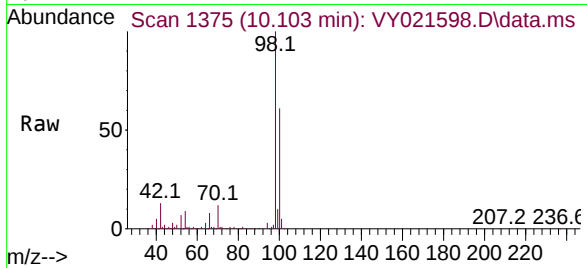




#50
Toluene-d8
Concen: 46.861 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

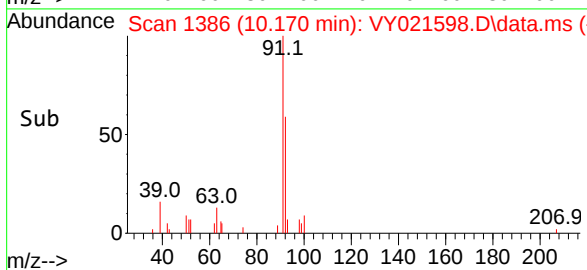
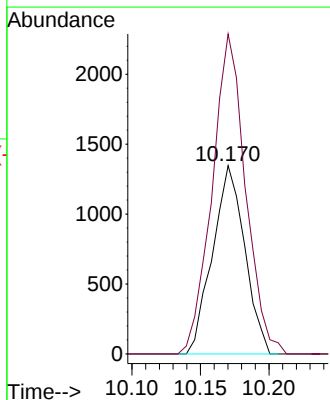
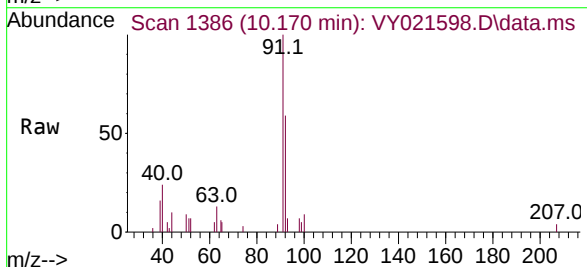
Instrument :
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ClientSampleId :
TP-2

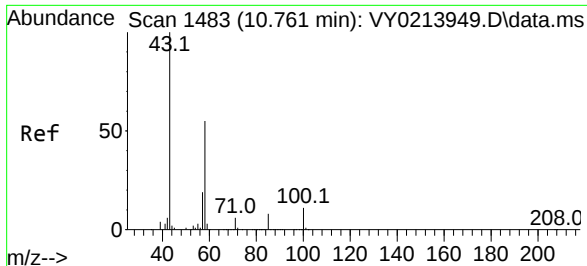
Tgt Ion: 98 Resp: 77648
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#52
Toluene
Concen: 1.726 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion: 92 Resp: 2196
Ion Ratio Lower Upper
92 100
91 176.4 138.2 207.2





#59

2-Hexanone

Concen: 1.092 ug/l

RT: 10.725 min Scan# 1483

Delta R.T. -0.036 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

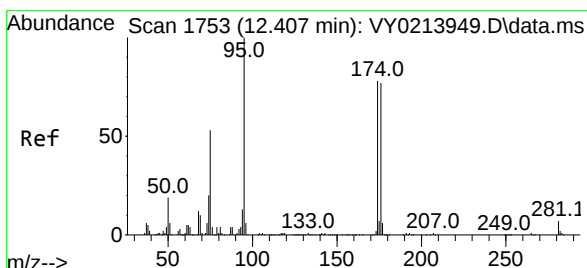
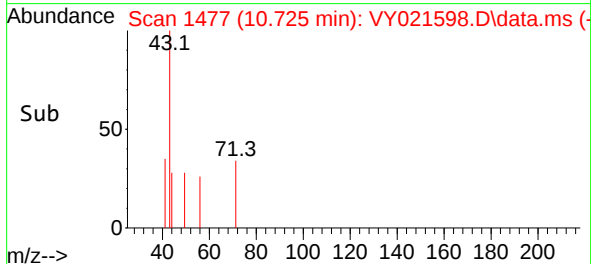
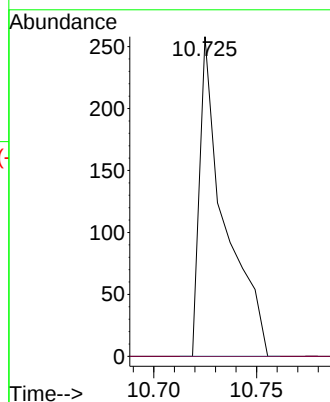
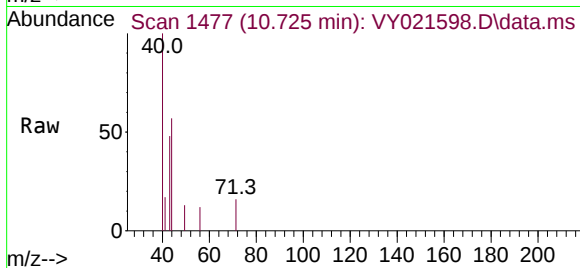
TP-2

Tgt Ion: 43 Resp: 219

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 34.625 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

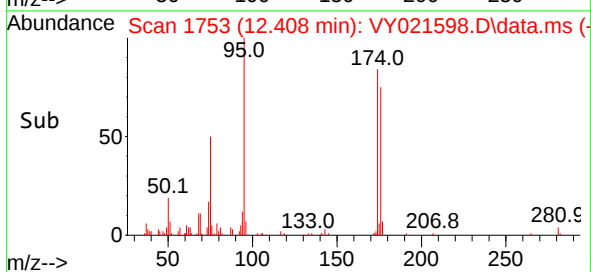
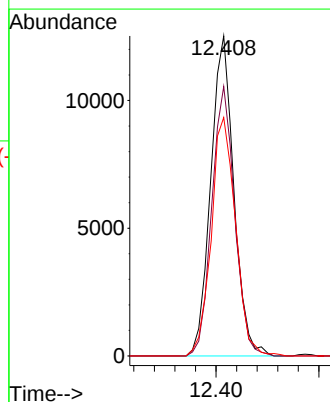
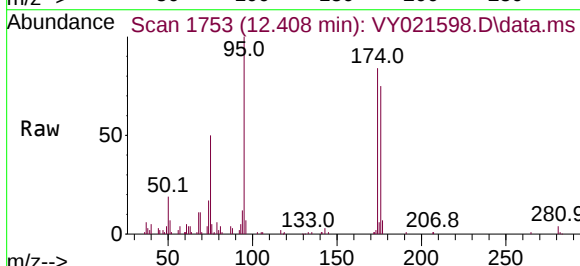
Tgt Ion: 95 Resp: 19516

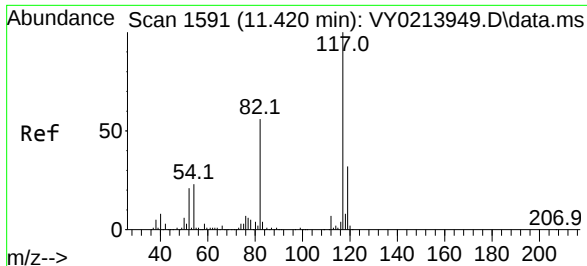
Ion Ratio Lower Upper

95 100

174 83.2 0.0 165.0

176 78.3 0.0 160.0

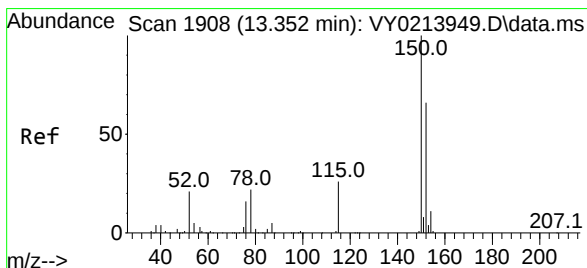
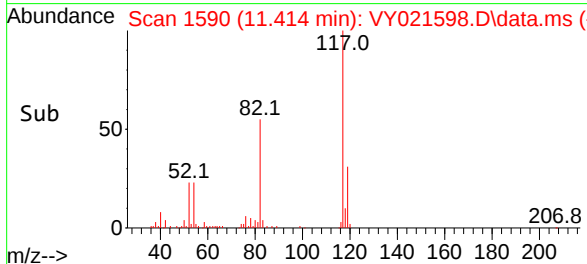
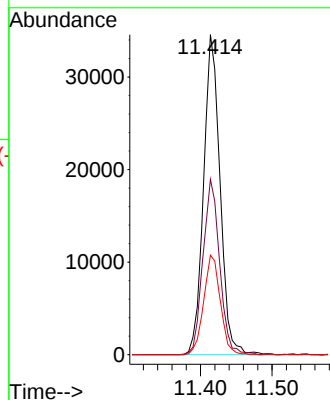
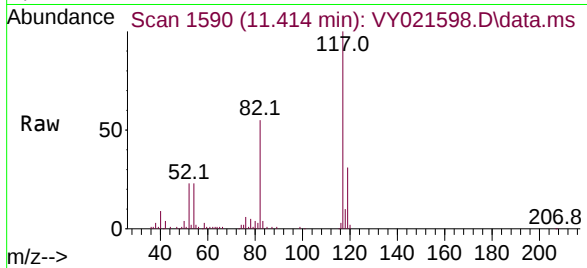




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

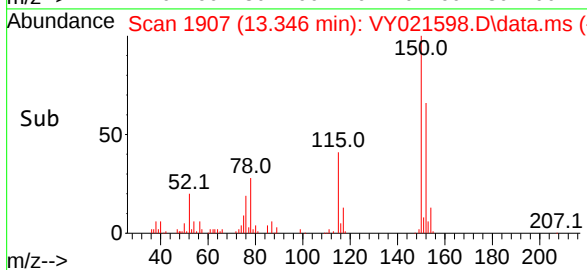
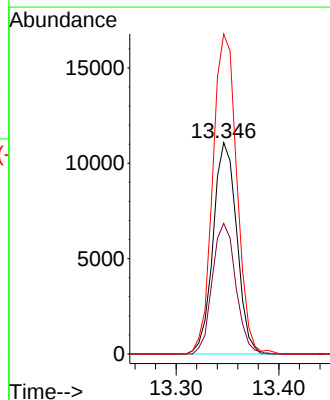
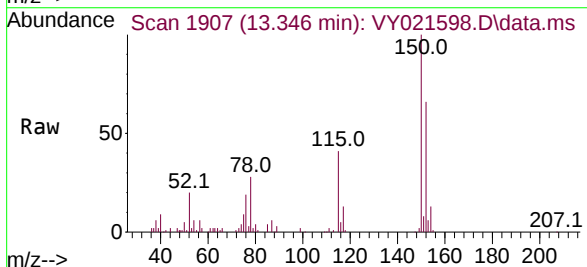
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

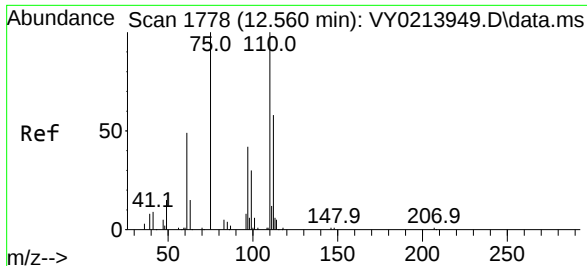
Tgt Ion:117 Resp: 55442
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion:152 Resp: 17662
Ion Ratio Lower Upper
152 100
115 61.4 29.0 87.0
150 154.2 0.0 347.2

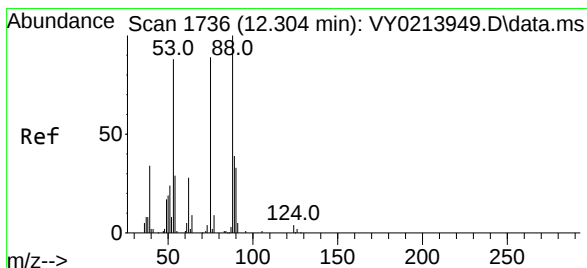
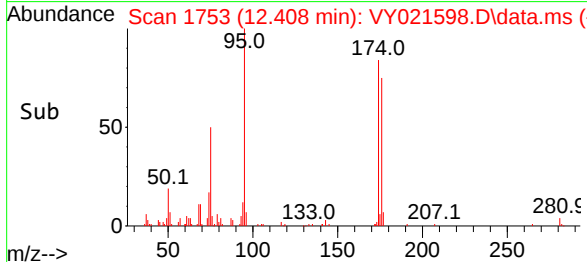
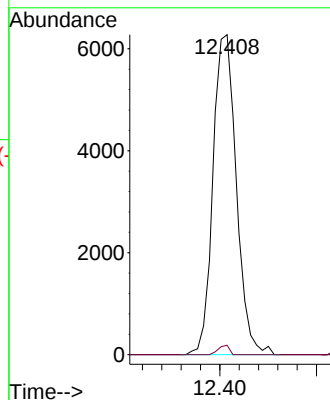
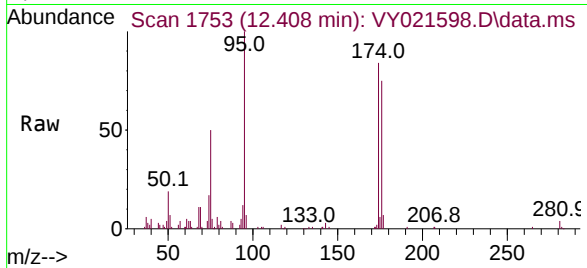




#76
 1,2,3-Trichloropropane
 Concen: 59.137 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021598.D
 Acq: 21 Mar 2025 14:39

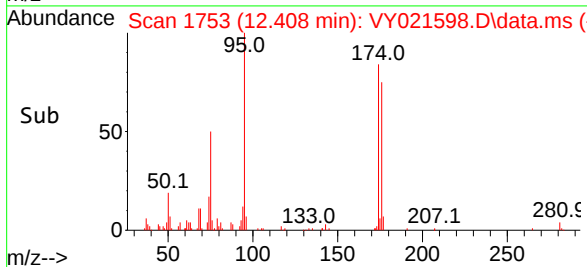
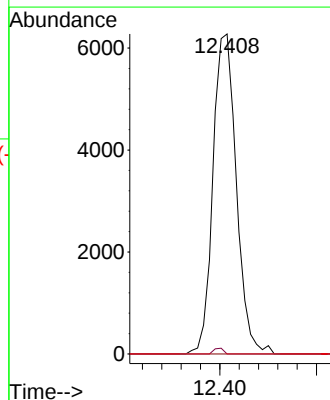
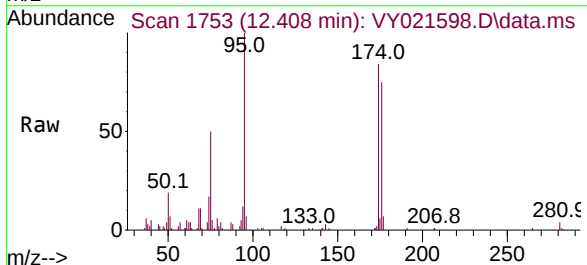
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

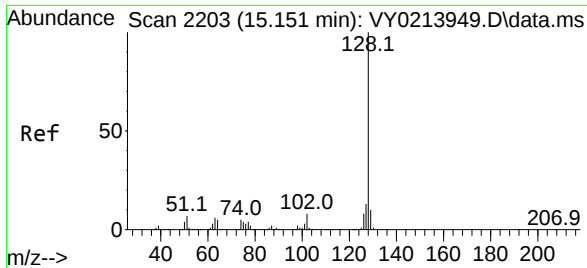
Tgt Ion: 75 Resp: 10525
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.436 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021598.D
 Acq: 21 Mar 2025 14:39

Tgt Ion: 75 Resp: 10525
 Ion Ratio Lower Upper
 75 100
 53 0.7 81.0 121.4#
 89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 5.076 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY021598.D

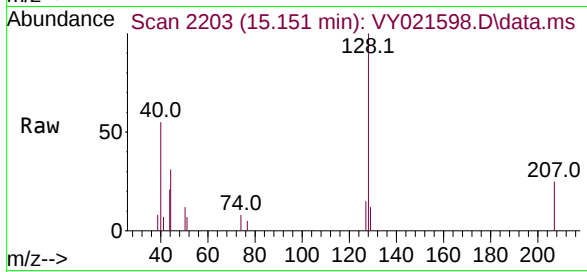
Acq: 21 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-2



Tgt Ion:128 Resp: 1747

Ion Ratio Lower Upper

128 100

127 10.7 10.6 15.8

129 9.7 8.6 13.0

