

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
 Data File : VY020007.D
 Acq On : 24 Oct 2024 13:23
 Operator : SY/MD
 Sample : P4509-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 01:40:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

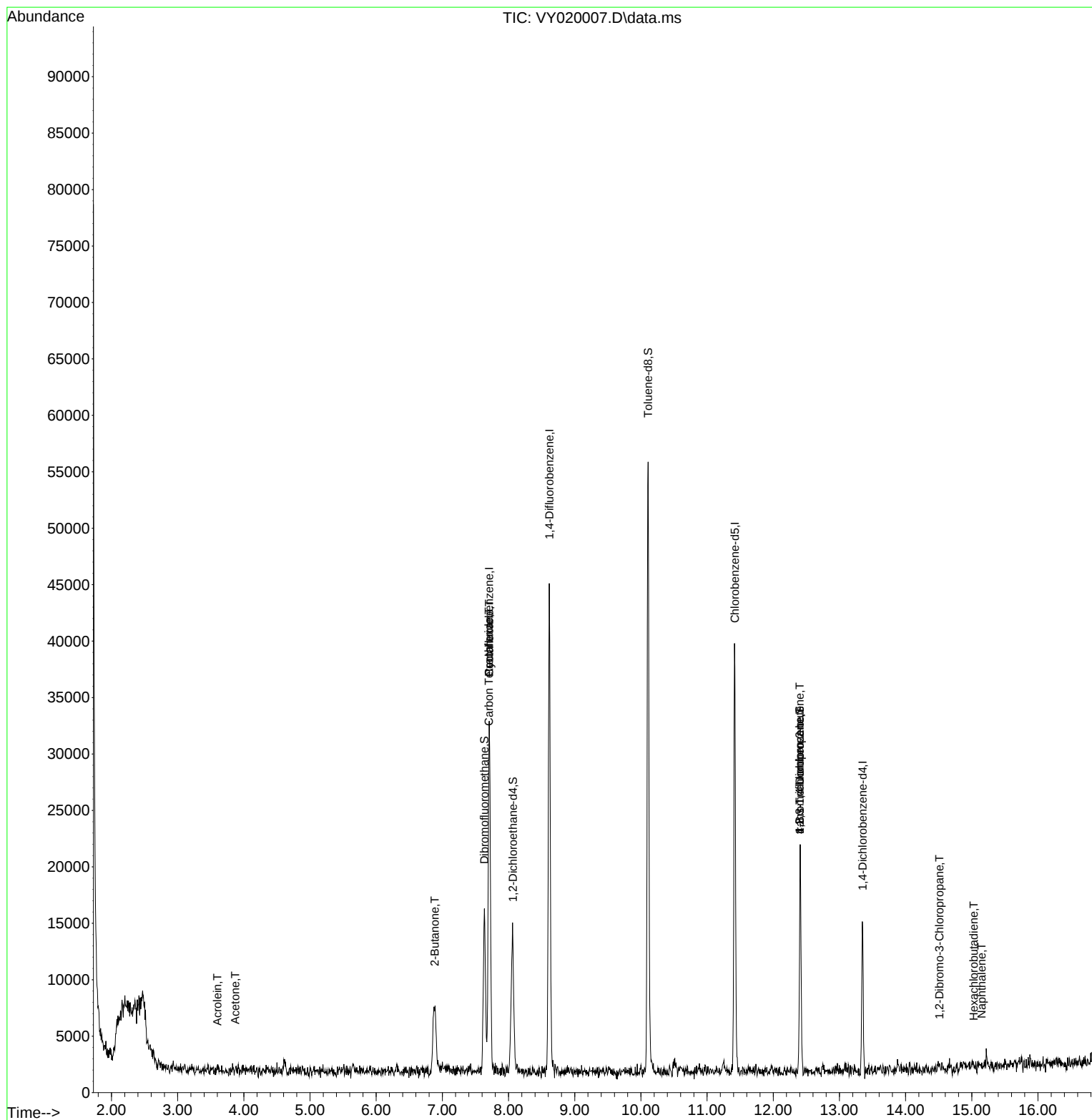
Internal Standards						
1) Pentafluorobenzene	7.707	168	21002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	32760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	19156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	3048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8561	33.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.220%
35) Dibromofluoromethane	7.634	113	10038	46.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.860%
50) Toluene-d8	10.109	98	35634	44.636	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.280%
62) 4-Bromofluorobenzene	12.402	95	5236	18.152	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	36.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	85	Below Cal	#	88
13) Acrolein	3.598	56	84	4.421	ug/l #	70
16) Acetone	3.873	43	411	6.105	ug/l #	36
25) 2-Butanone	6.884	43	296	3.285	ug/l #	41
31) Cyclohexane	7.707	56	865	2.002	ug/l #	44
38) Carbon Tetrachloride	7.701	117	2866	8.584	ug/l #	13
76) 1,2,3-Trichloropropane	12.402	75	3210	53.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	3210	216.995	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.511	75	34	4.677	ug/l #	1
94) Hexachlorobutadiene	15.029	225	65	2.160	ug/l #	19
95) Naphthalene	15.151	128	242	2.370	ug/l #	69

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

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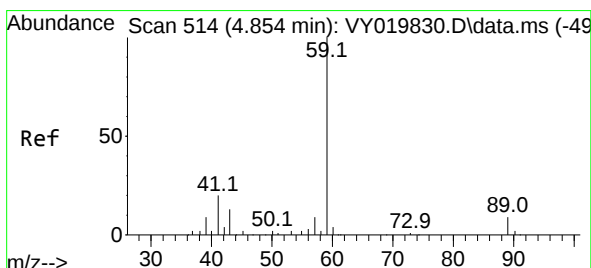
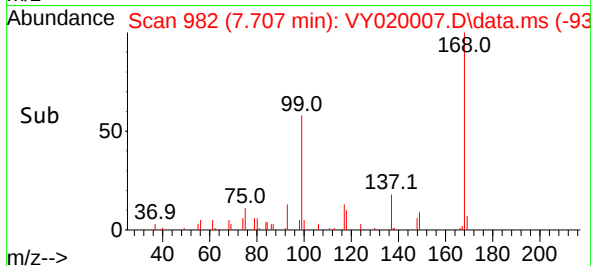
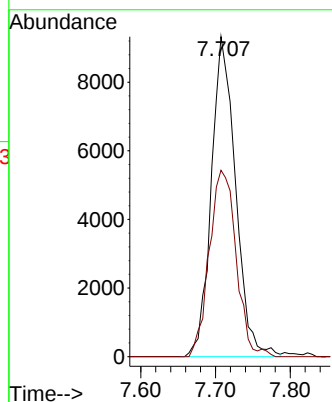
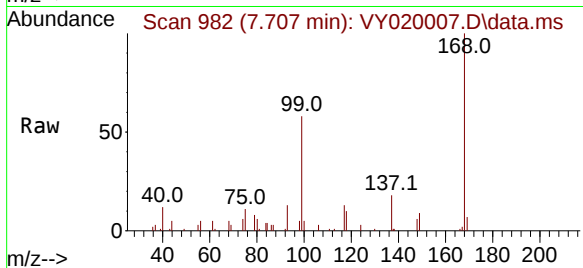




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

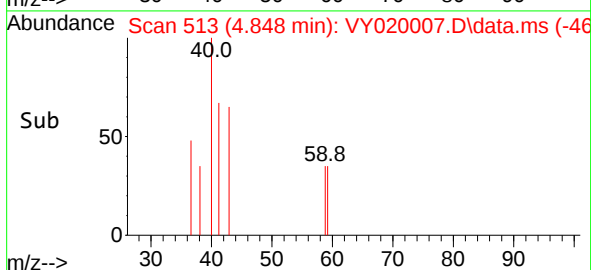
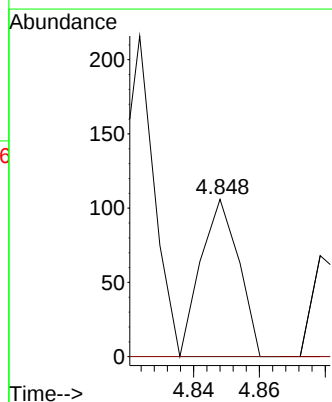
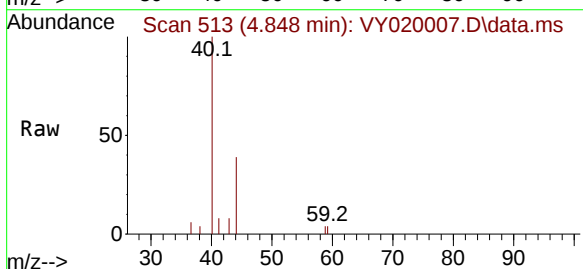
Instrument :
MSVOA_Y
ClientSampleId :

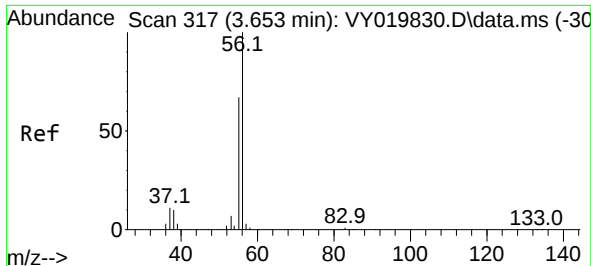
Tgt Ion:168 Resp: 21002
Ion Ratio Lower Upper
168 100
99 58.3 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

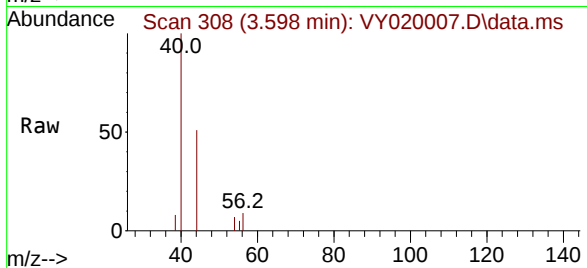
Tgt Ion: 59 Resp: 85
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



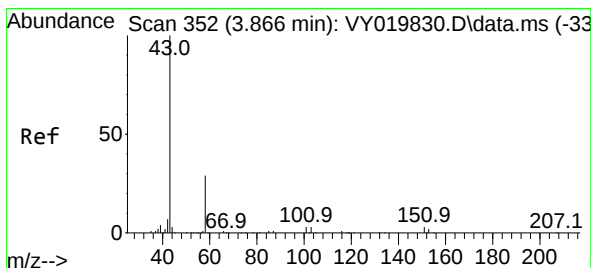
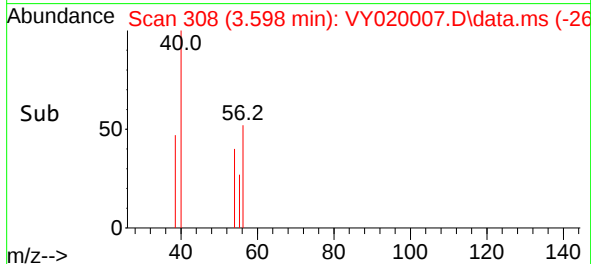
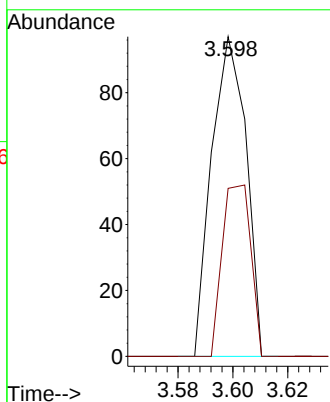


#13
Acrolein
Concen: 4.421 ug/l
RT: 3.598 min Scan# 308
Delta R.T. -0.055 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :

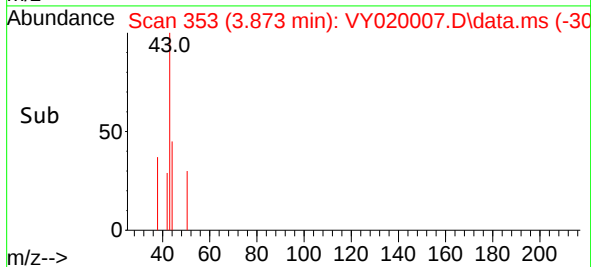
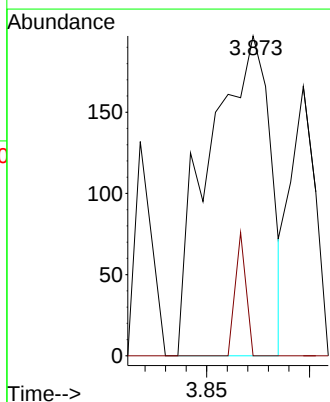
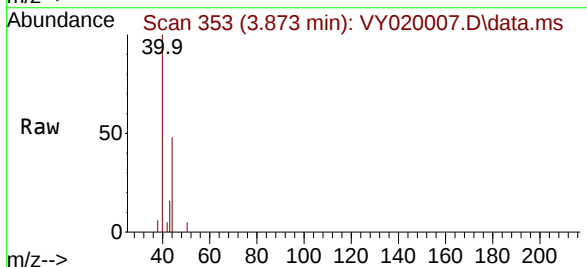


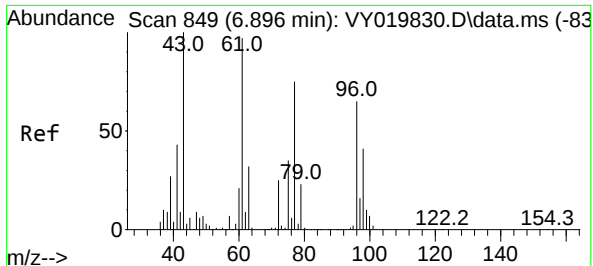
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 45.2 55.7 83.5#



#16
Acetone
Concen: 6.105 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 3.285 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

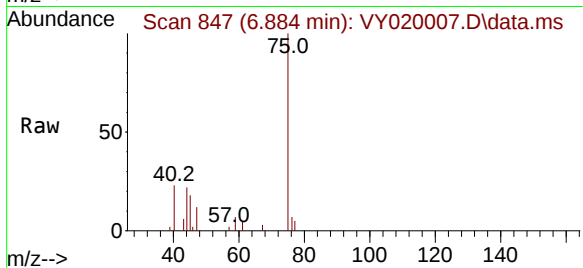
Lab File: VY020007.D

Acq: 24 Oct 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

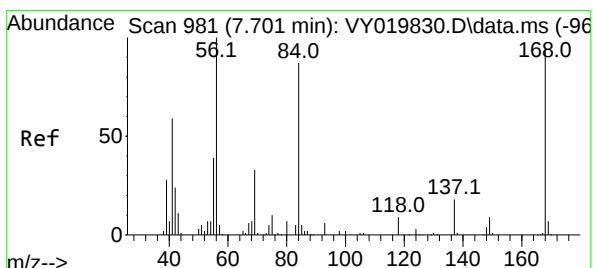
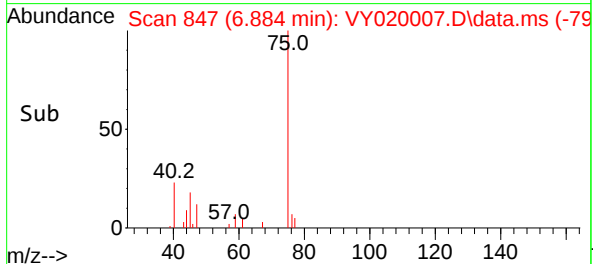
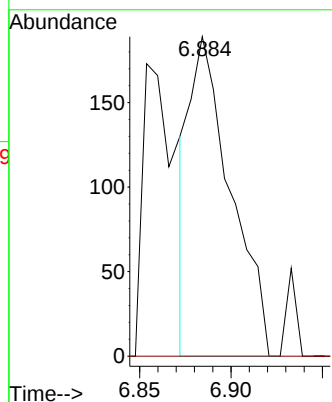


Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 2.002 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY020007.D

Acq: 24 Oct 2024 13:23

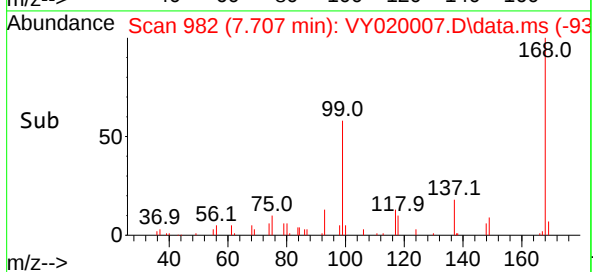
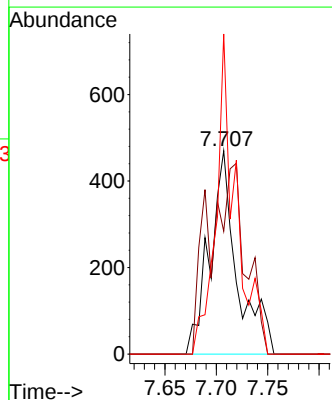
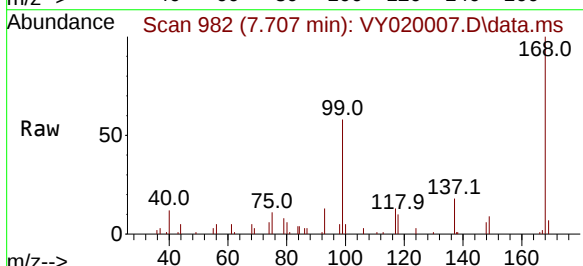
Tgt Ion: 56 Resp: 865

Ion Ratio Lower Upper

56 100

69 60.4 28.7 43.1#

84 157.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 33.106 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY020007.D

Acq: 24 Oct 2024 13:23

Instrument :

MSVOA_Y

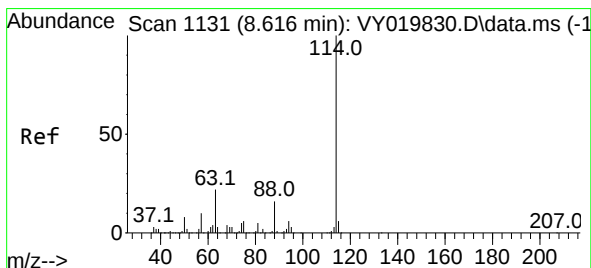
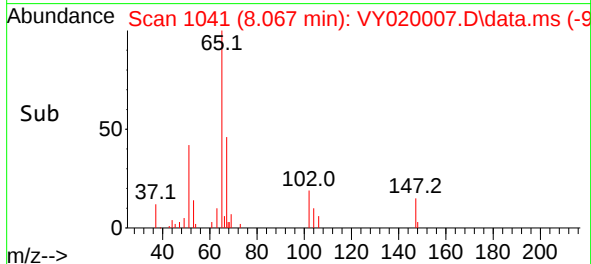
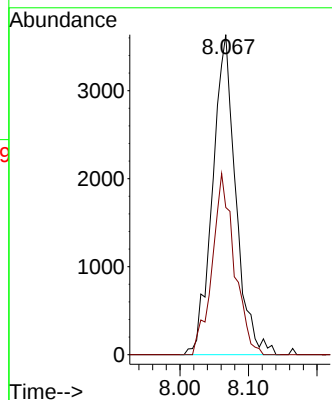
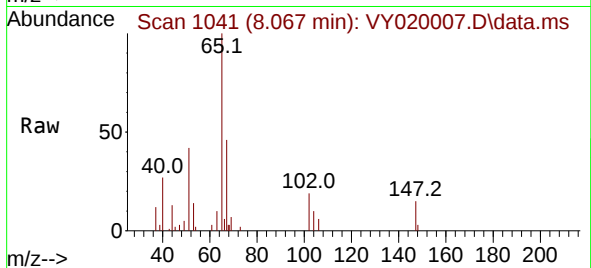
ClientSampleId :

Tgt Ion: 65 Resp: 8561

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020007.D

Acq: 24 Oct 2024 13:23

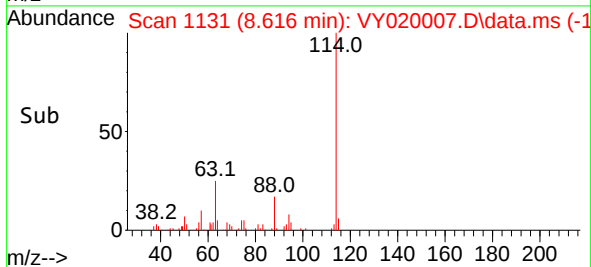
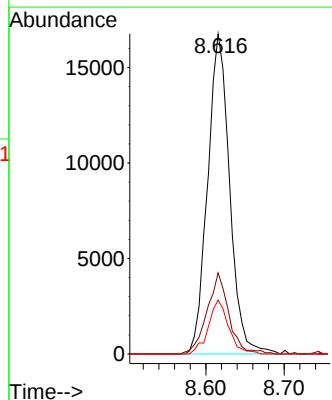
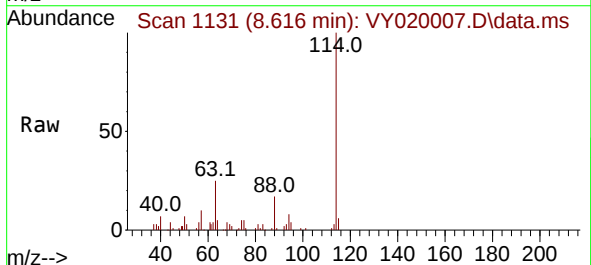
Tgt Ion: 114 Resp: 32760

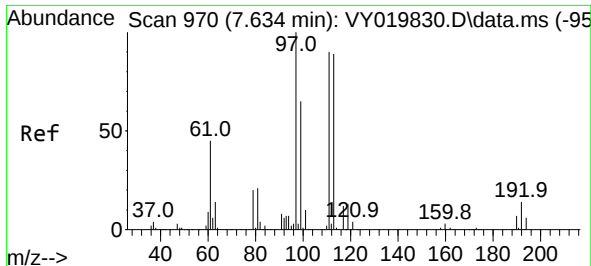
Ion Ratio Lower Upper

114 100

63 25.3 0.0 35.0

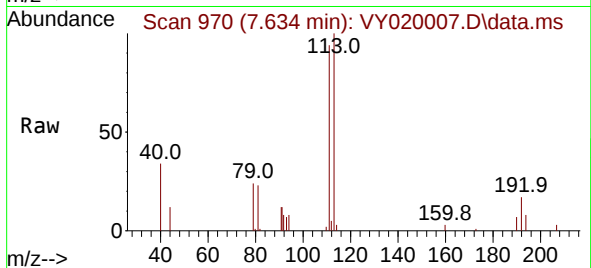
88 16.8 0.0 27.2



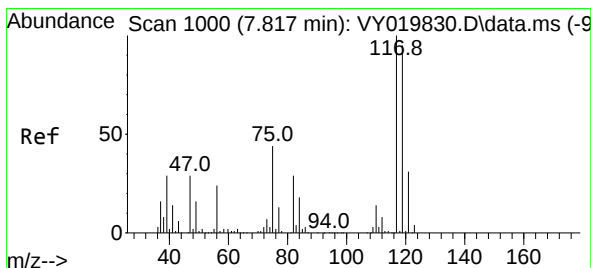
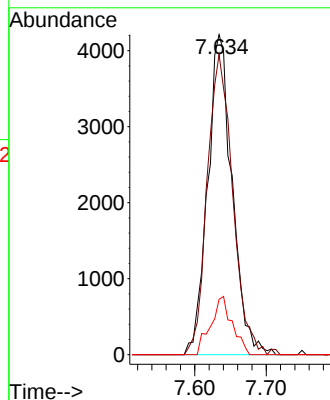
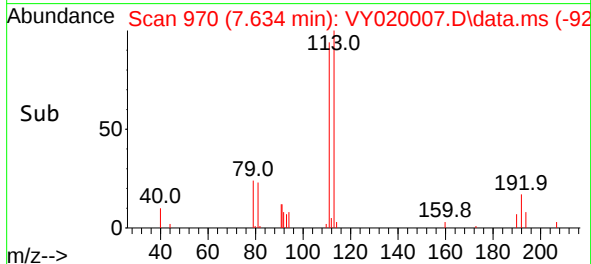


#35
Dibromofluoromethane
Concen: 46.434 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :

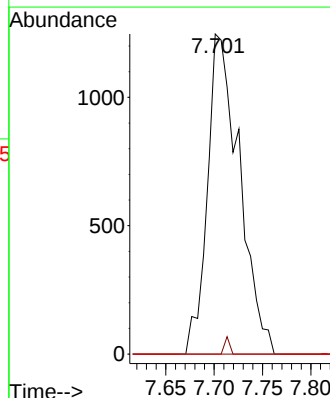
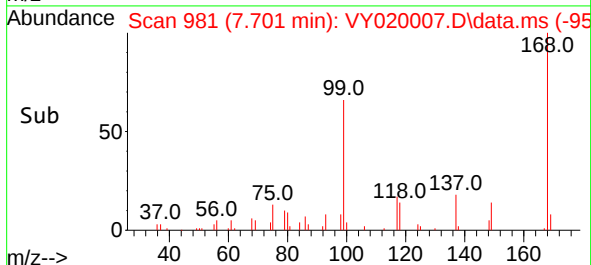
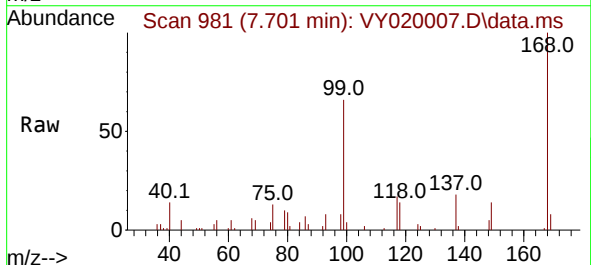


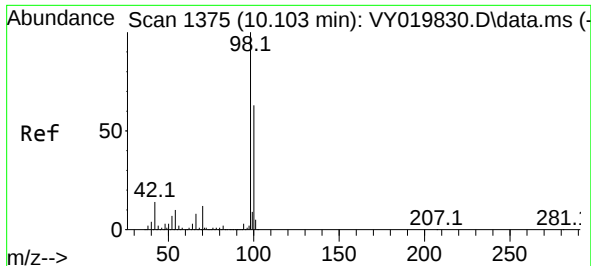
Tgt Ion:113 Resp: 10038
Ion Ratio Lower Upper
113 100
111 97.1 82.2 123.4
192 15.9 15.9 23.9#



#38
Carbon Tetrachloride
Concen: 8.584 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Tgt Ion:117 Resp: 2866
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

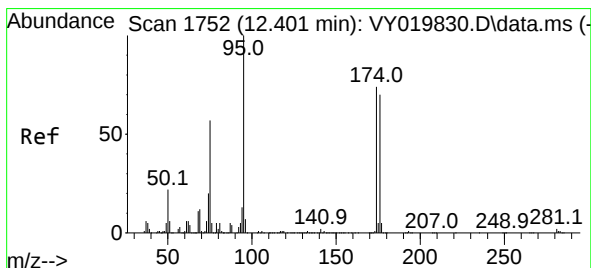
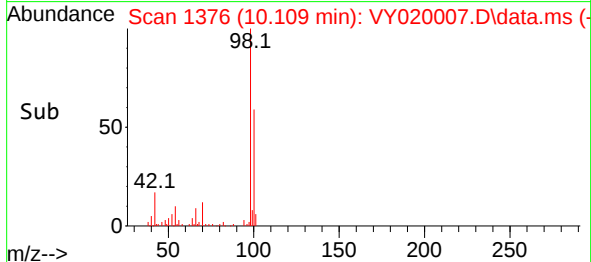
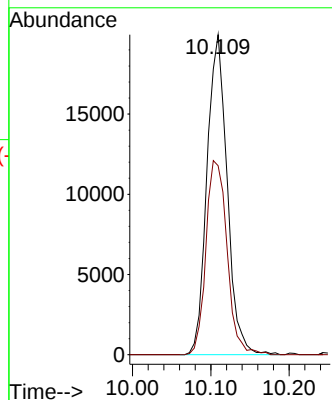
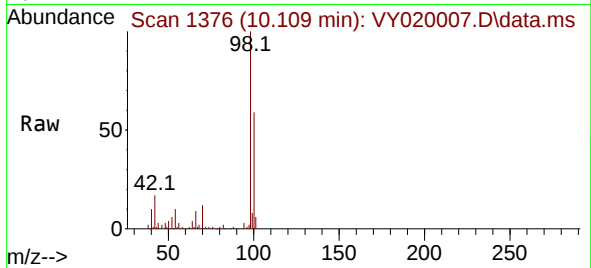




#50
Toluene-d8
Concen: 44.636 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

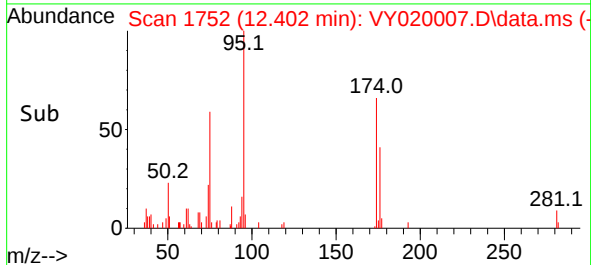
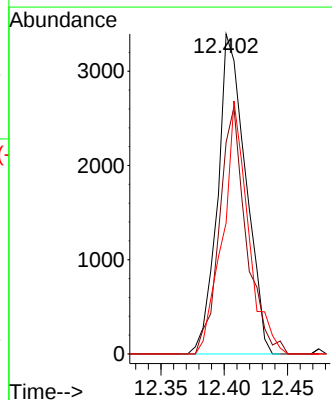
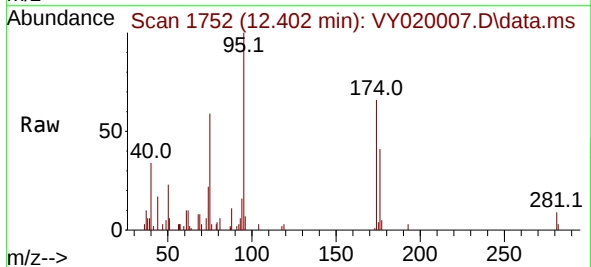
Instrument :
MSVOA_Y
ClientSampleId :

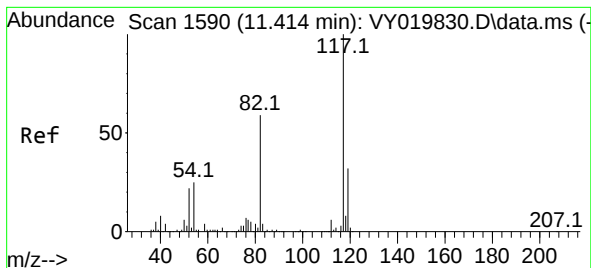
Tgt Ion: 98 Resp: 35634
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 18.152 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Tgt Ion: 95 Resp: 5236
Ion Ratio Lower Upper
95 100
174 74.0 0.0 175.6
176 71.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020007.D

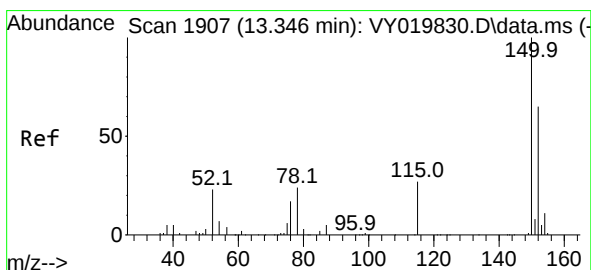
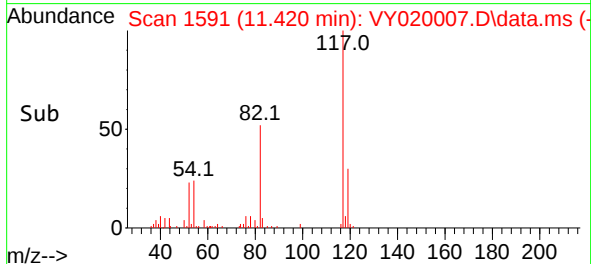
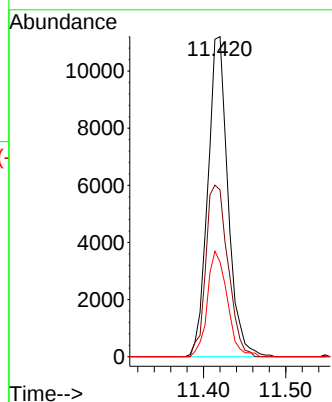
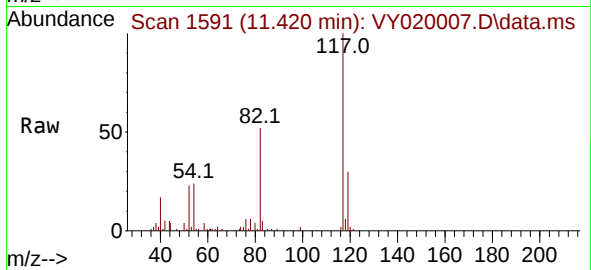
Acq: 24 Oct 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	19156
Ion Ratio	Lower	Upper
117	100	
82	52.1	42.4 63.6
119	29.6	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

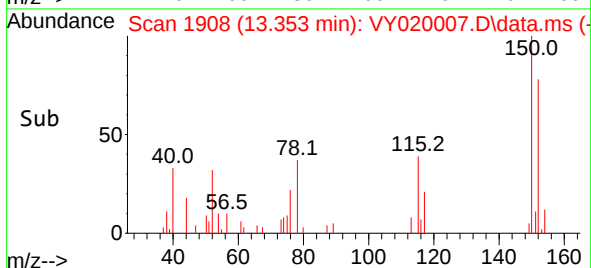
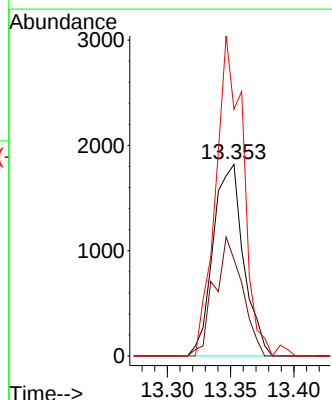
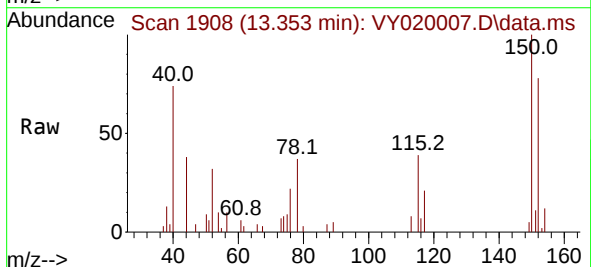
RT: 13.353 min Scan# 1908

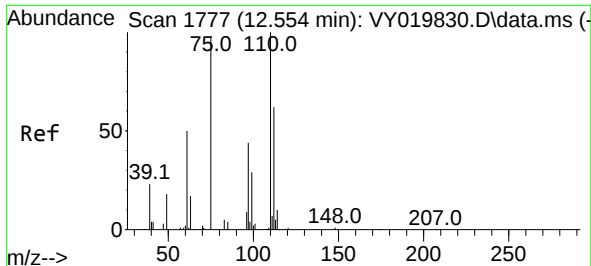
Delta R.T. 0.006 min

Lab File: VY020007.D

Acq: 24 Oct 2024 13:23

Tgt Ion:152	Resp:	3048
Ion Ratio	Lower	Upper
152	100	
115	56.8	28.2 84.7
150	151.9	0.0 345.6

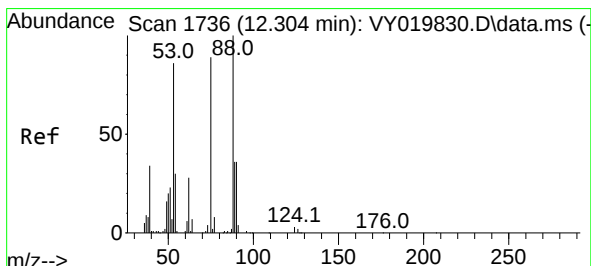
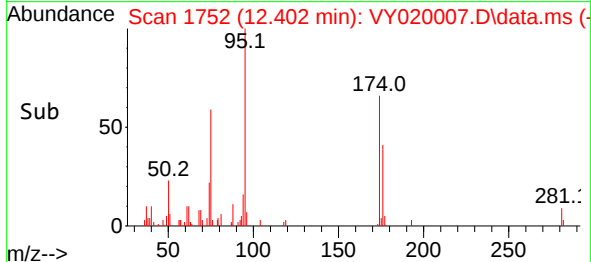
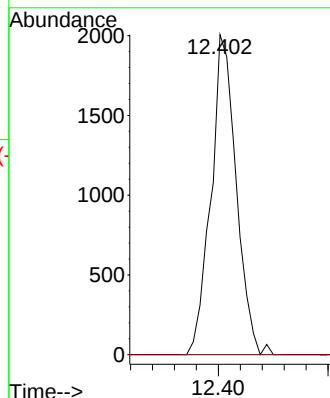
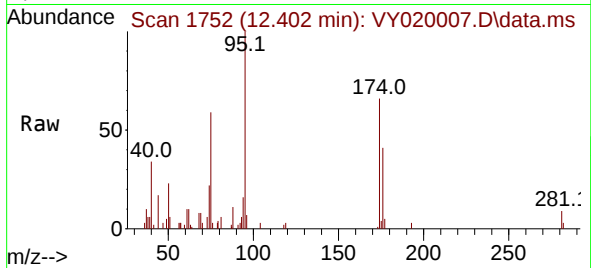




#76
1,2,3-Trichloropropane
Concen: 53.760 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

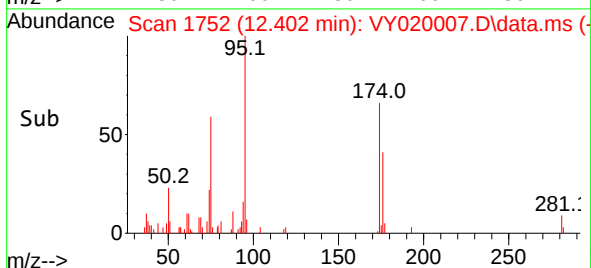
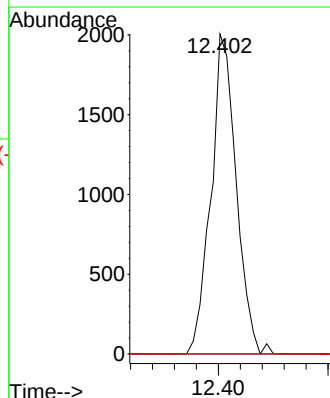
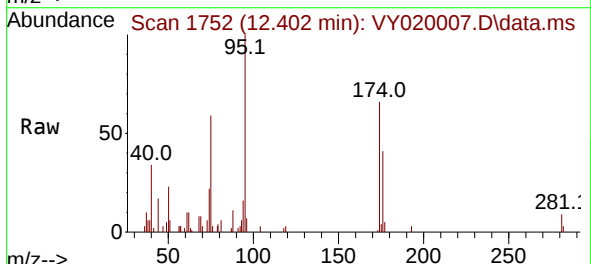
Instrument :
MSVOA_Y
ClientSampleId :

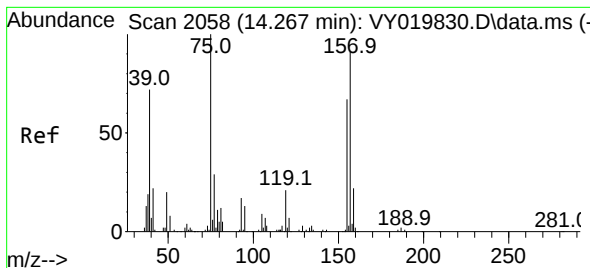
Tgt Ion: 75 Resp: 3210
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 216.995 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Tgt Ion: 75 Resp: 3210
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

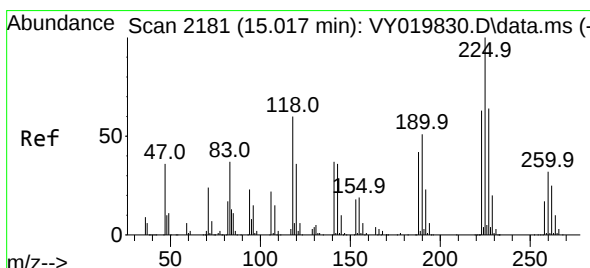
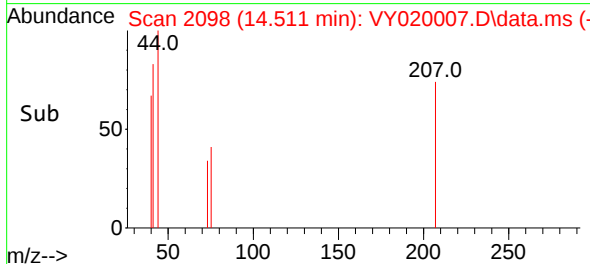
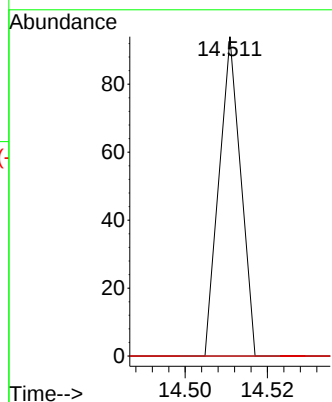
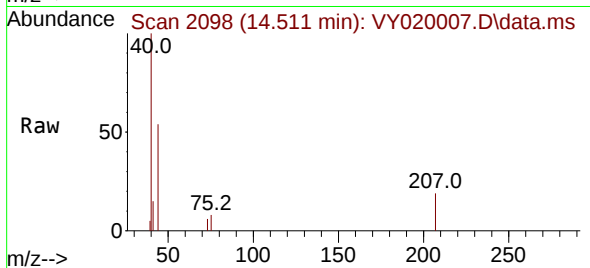




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.677 ug/l
 RT: 14.511 min Scan# 2058
 Delta R.T. 0.238 min
 Lab File: VY020007.D
 Acq: 24 Oct 2024 13:23

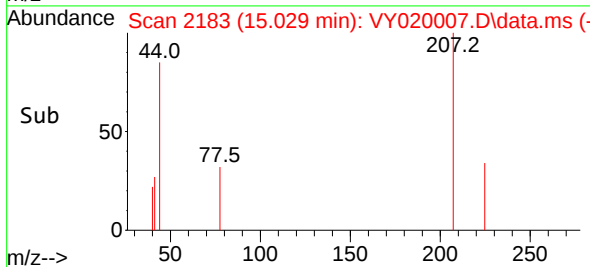
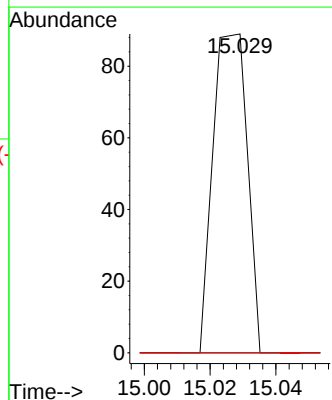
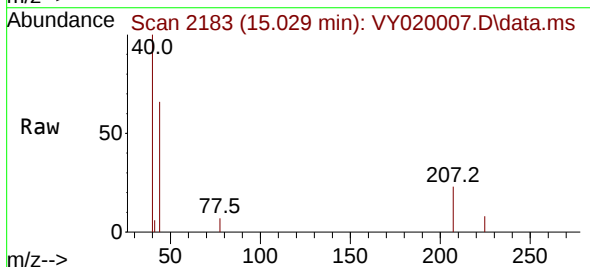
Instrument :
 MSVOA_Y
 ClientSampleId :

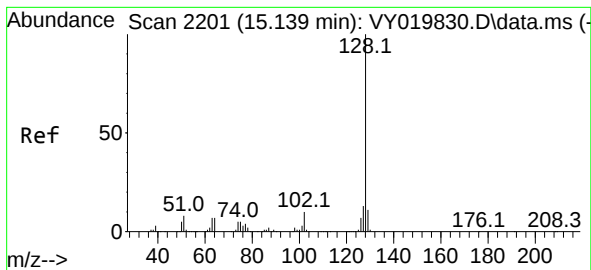
Tgt Ion: 75 Resp: 34
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#



#94
 Hexachlorobutadiene
 Concen: 2.160 ug/l
 RT: 15.029 min Scan# 2183
 Delta R.T. 0.006 min
 Lab File: VY020007.D
 Acq: 24 Oct 2024 13:23

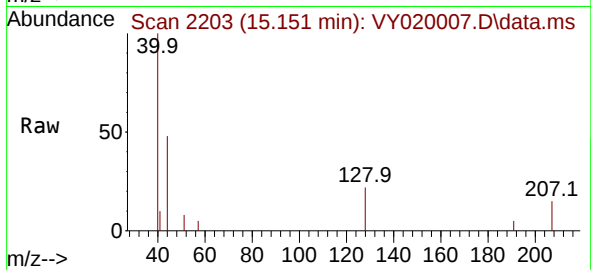
Tgt Ion: 225 Resp: 65
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.4 91.2#
 227 0.0 31.9 95.9#





#95
Naphthalene
Concen: 2.370 ug/l
RT: 15.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY020007.D
Acq: 24 Oct 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 242
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

