

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
 Data File : VY020008.D
 Acq On : 24 Oct 2024 13:46
 Operator : SY/MD
 Sample : P4487-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 25 01:40:37 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)

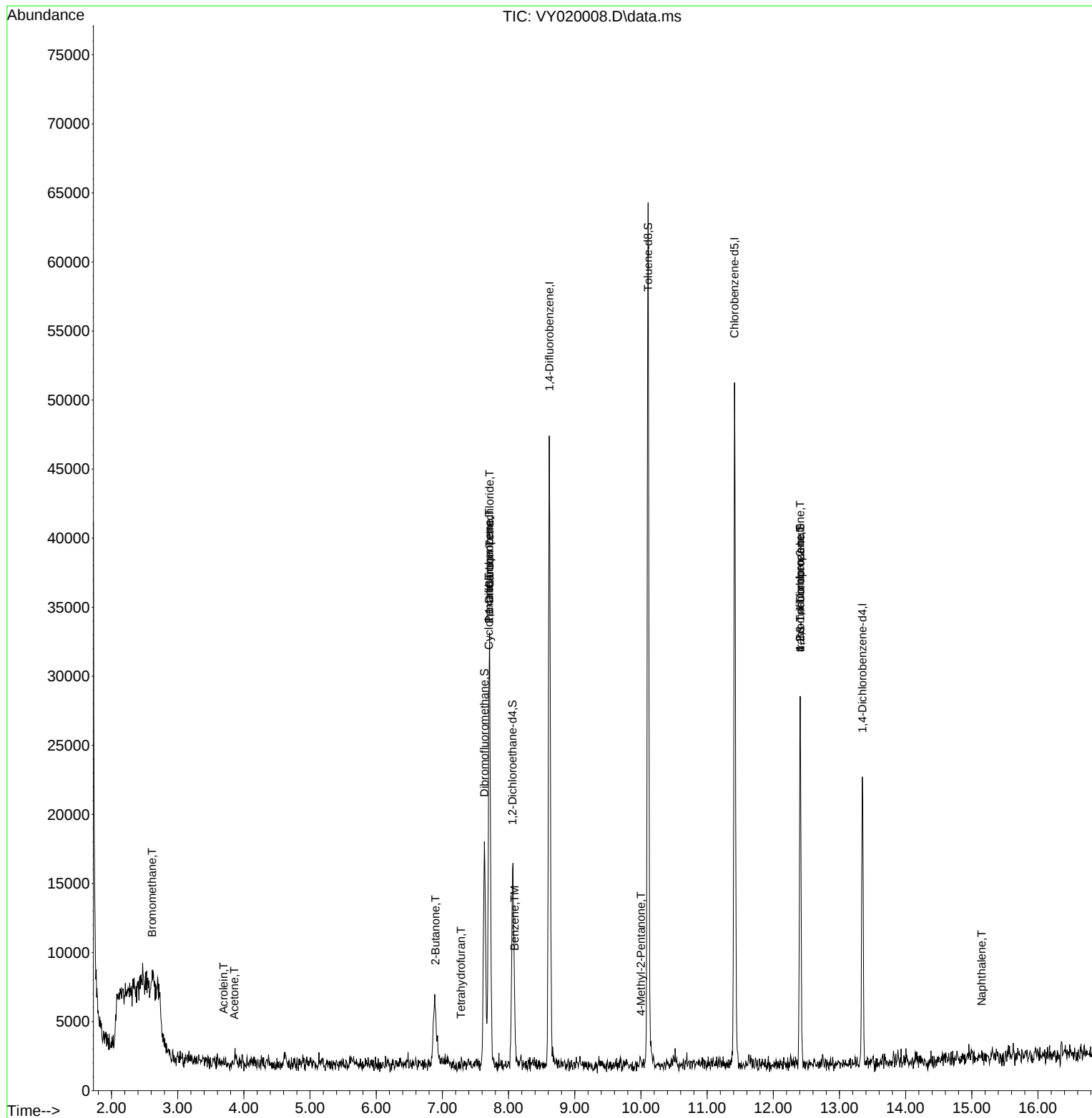
Internal Standards						
1) Pentafluorobenzene	7.707	168	20087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	35831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	24566	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	4686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	10830	43.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.580%
35) Dibromofluoromethane	7.634	113	11568	48.925	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.840%
50) Toluene-d8	10.109	98	37709	43.187	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.380%
62) 4-Bromofluorobenzene	12.407	95	8151	25.835	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	51.680%
Target Compounds						
					Qvalue	
5) Bromomethane	2.610	94	441	2.601	ug/l #	71
11) Tert butyl alcohol	4.848	59	213	Below Cal	#	88
13) Acrolein	3.695	56	23	1.266	ug/l #	15
16) Acetone	3.854	43	260	4.038	ug/l #	36
25) 2-Butanone	6.896	43	398	4.618	ug/l #	41
29) Tetrahydrofuran	7.280	42	120	2.439	ug/l #	26
31) Cyclohexane	7.701	56	835	2.021	ug/l #	65
36) 1,1-Dichloropropene	7.707	75	2328	6.834	ug/l #	45
38) Carbon Tetrachloride	7.713	117	2779	7.610	ug/l #	13
40) Benzene	8.091	78	1433	1.390	ug/l #	86
51) 4-Methyl-2-Pentanone	9.999	43	206	1.115	ug/l #	31
76) 1,2,3-Trichloropropane	12.407	75	4987	54.326	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	4987	219.279	ug/l #	16
95) Naphthalene	15.151	128	181	1.153	ug/l #	69

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

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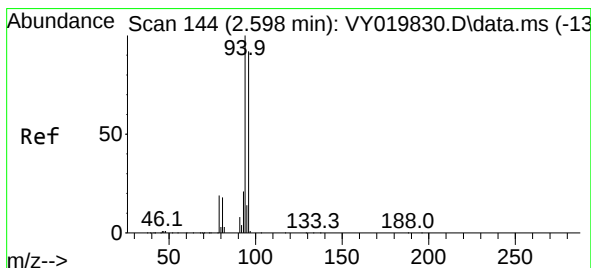
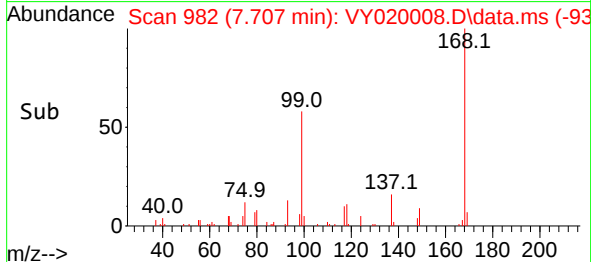
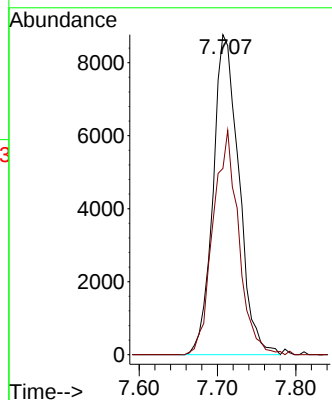
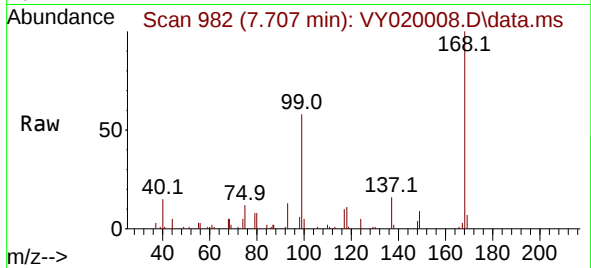




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

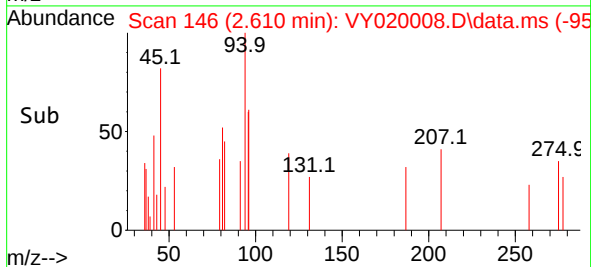
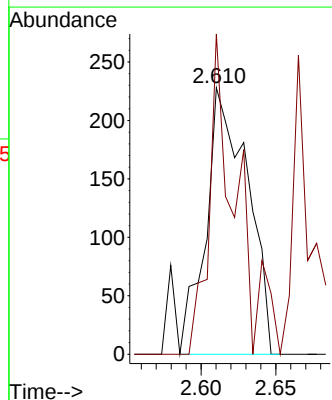
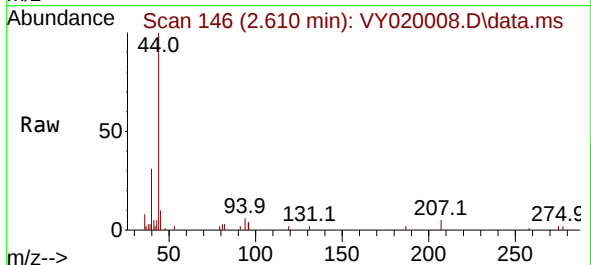
Instrument :
MSVOA_Y
ClientSampleId :

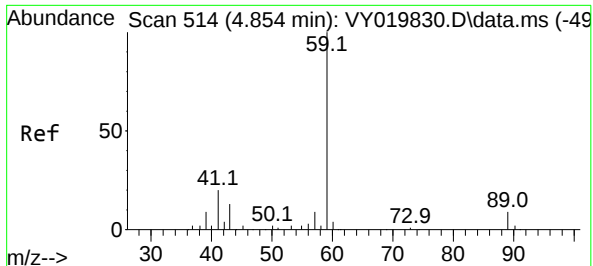
Tgt Ion:168 Resp: 20087
Ion Ratio Lower Upper
168 100
99 58.2 39.1 58.7



#5
Bromomethane
Concen: 2.601 ug/l
RT: 2.610 min Scan# 146
Delta R.T. 0.012 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 120.2 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY020008.D

Acq: 24 Oct 2024 13:46

Instrument :

MSVOA_Y

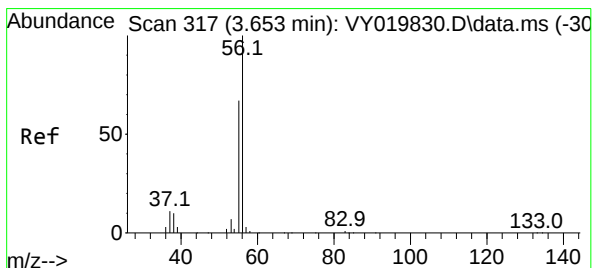
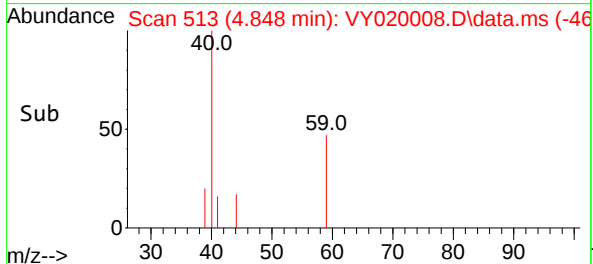
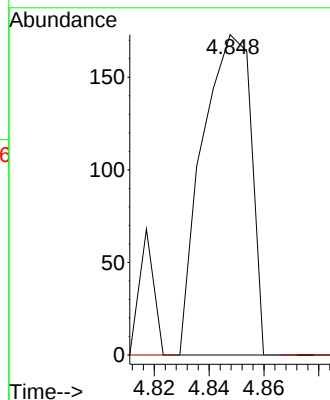
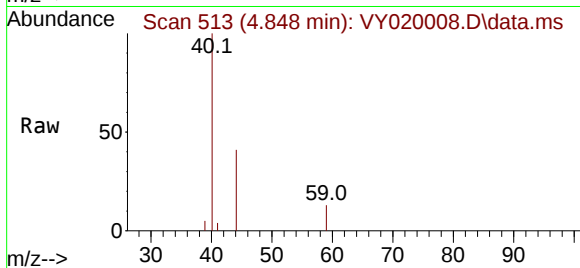
ClientSampleId :

Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: 1.266 ug/l

RT: 3.695 min Scan# 324

Delta R.T. 0.042 min

Lab File: VY020008.D

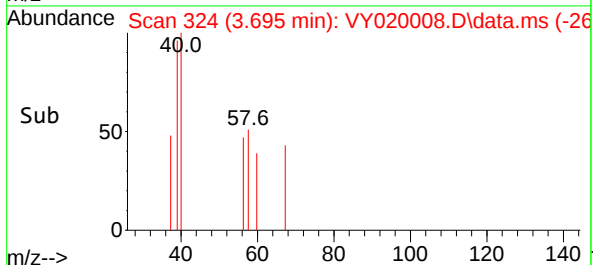
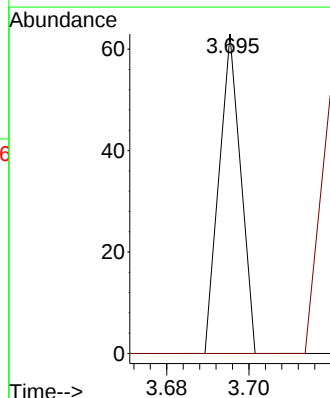
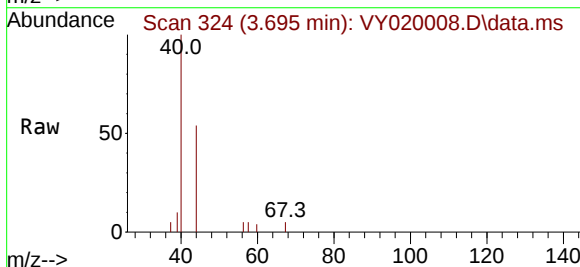
Acq: 24 Oct 2024 13:46

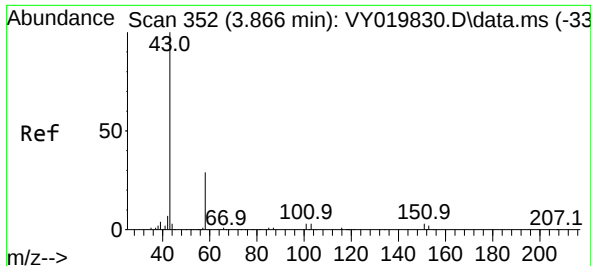
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#

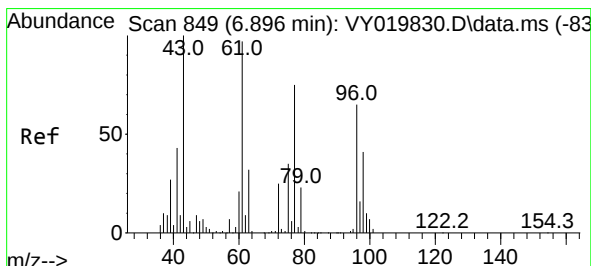
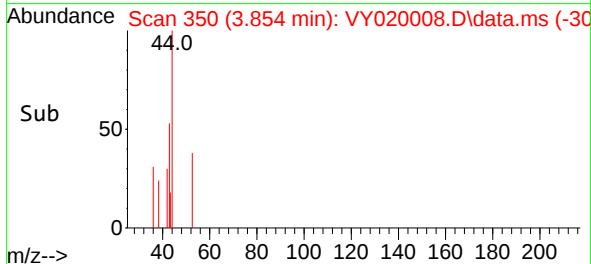
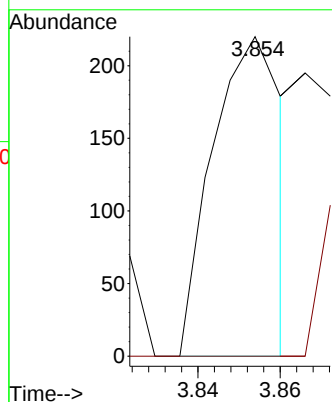
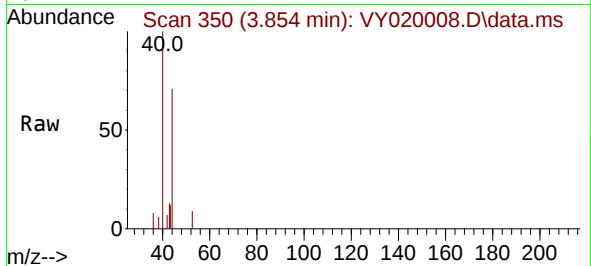




#16
Acetone
Concen: 4.038 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

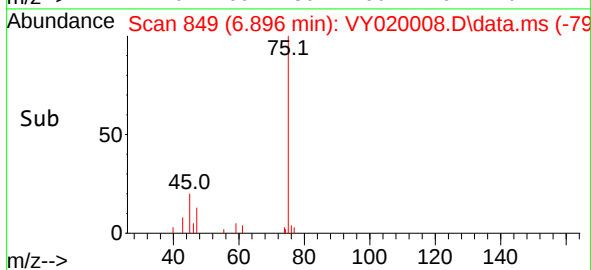
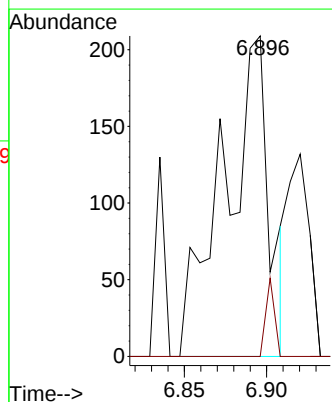
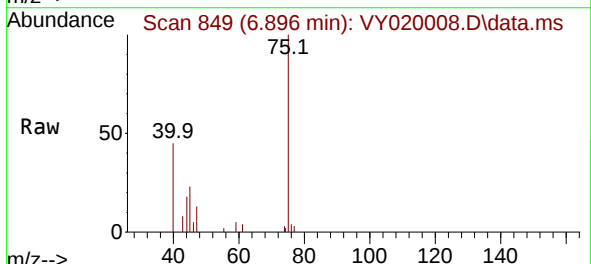
Instrument :
MSVOA_Y
ClientSampleId :

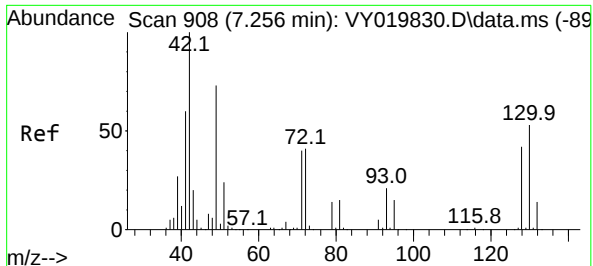
Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#25
2-Butanone
Concen: 4.618 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 2.439 ug/l

RT: 7.280 min Scan# 912

Delta R.T. 0.018 min

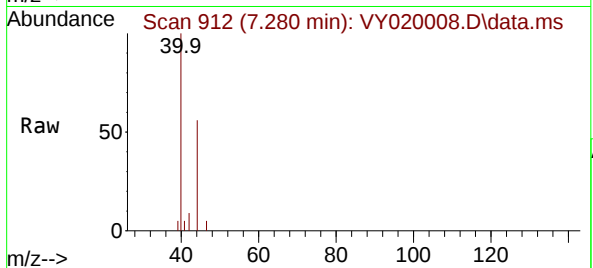
Lab File: VY020008.D

Acq: 24 Oct 2024 13:46

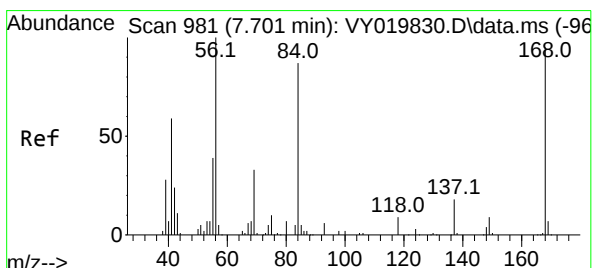
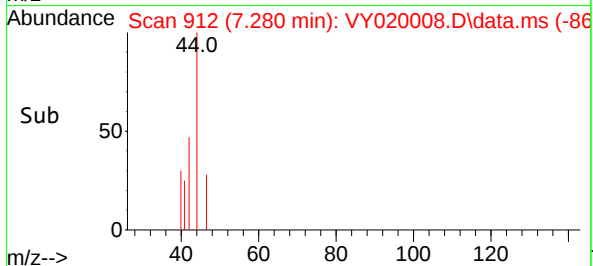
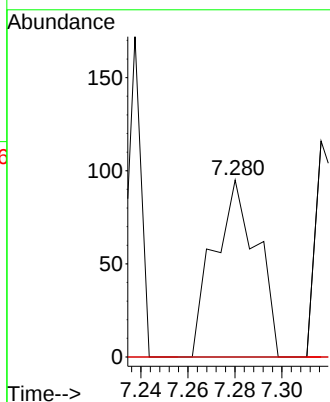
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	120
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: 2.021 ug/l

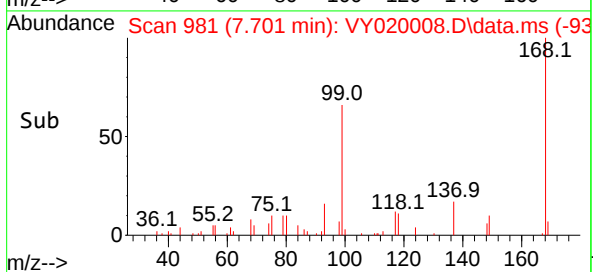
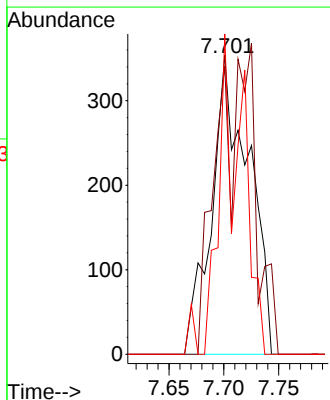
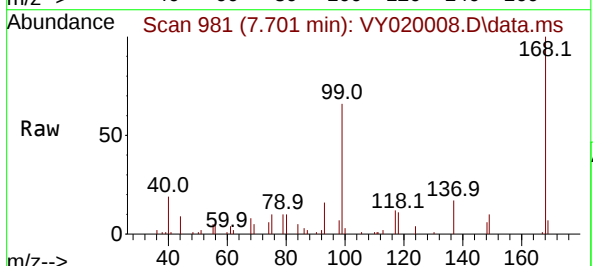
RT: 7.701 min Scan# 981

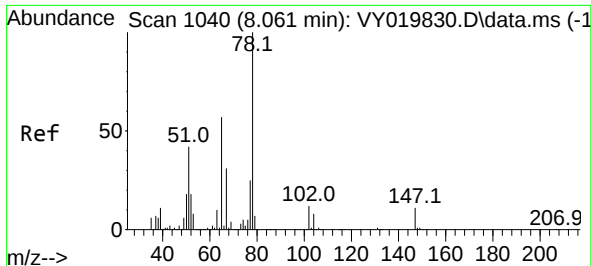
Delta R.T. -0.000 min

Lab File: VY020008.D

Acq: 24 Oct 2024 13:46

Tgt Ion:	56	Resp:	835
Ion	Ratio	Lower	Upper
56	100		
69	96.3	28.7	43.1#
84	107.1	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 43.788 ug/l

RT: 8.060 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY020008.D

Acq: 24 Oct 2024 13:46

Instrument :

MSVOA_Y

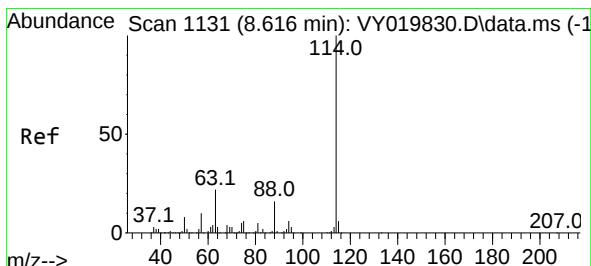
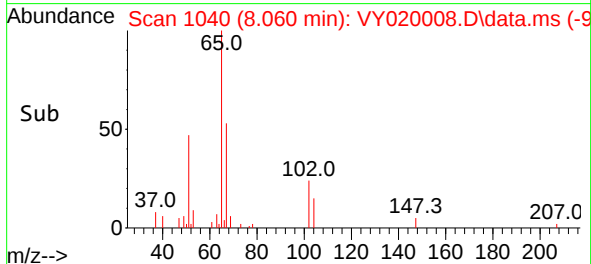
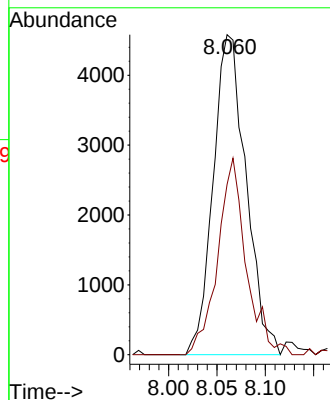
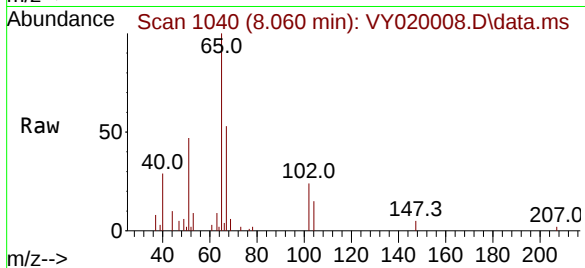
ClientSampleId :

Tgt Ion: 65 Resp: 10830

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020008.D

Acq: 24 Oct 2024 13:46

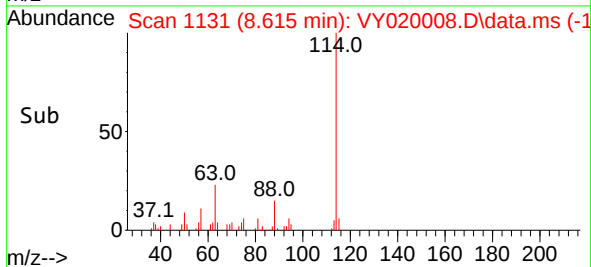
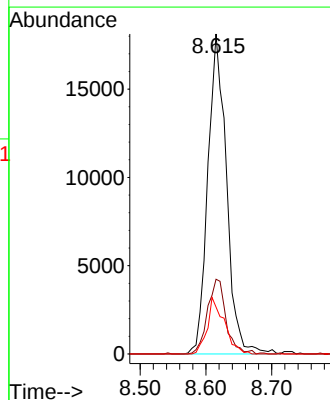
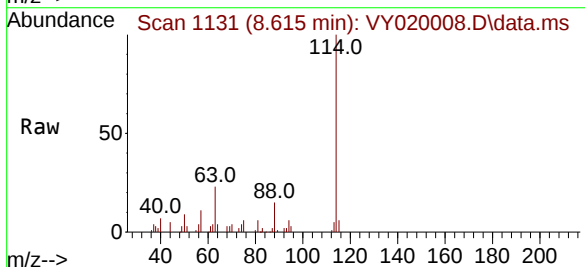
Tgt Ion: 114 Resp: 35831

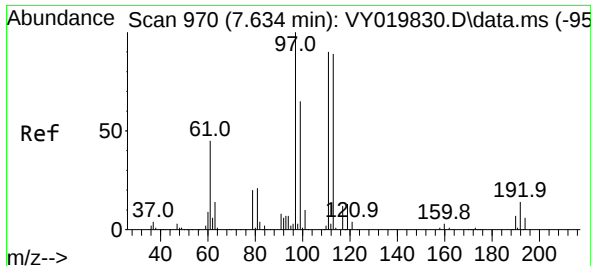
Ion Ratio Lower Upper

114 100

63 23.4 0.0 35.0

88 14.7 0.0 27.2

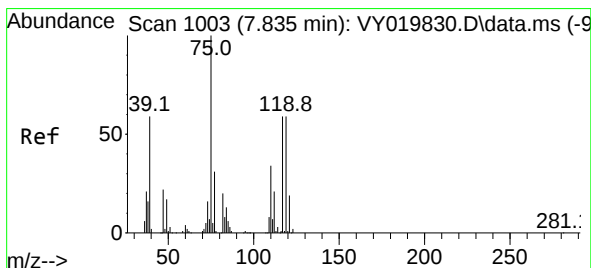
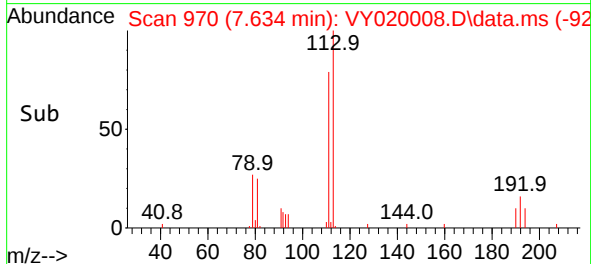
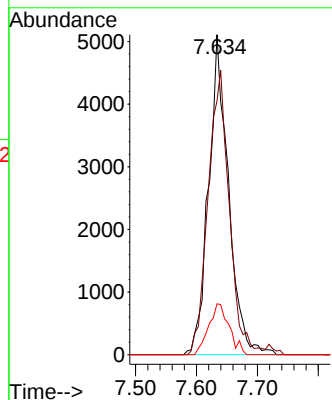
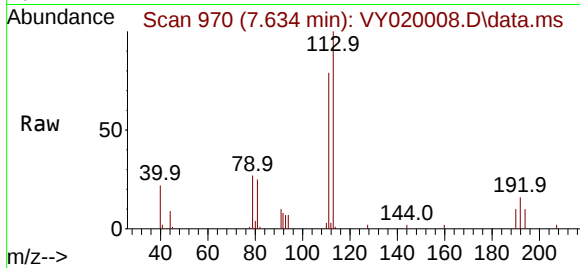




#35
Dibromofluoromethane
Concen: 48.925 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

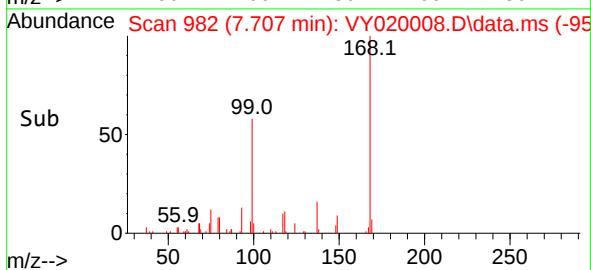
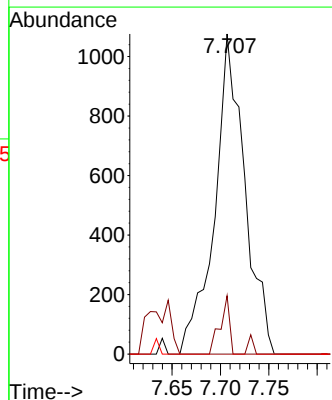
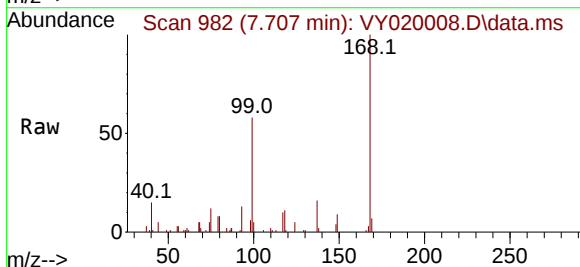
Instrument :
MSVOA_Y
ClientSampleId :

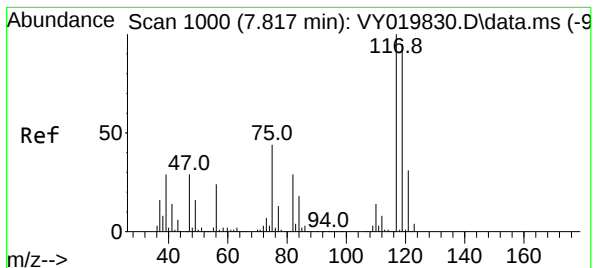
Tgt Ion:113 Resp: 11568
Ion Ratio Lower Upper
113 100
111 94.6 82.2 123.4
192 16.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.834 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

Tgt Ion: 75 Resp: 2328
Ion Ratio Lower Upper
75 100
110 5.7 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 7.610 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

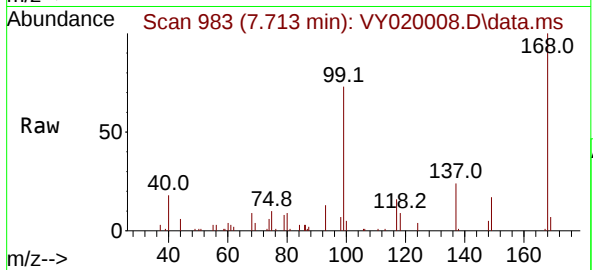
Lab File: VY020008.D

Acq: 24 Oct 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :



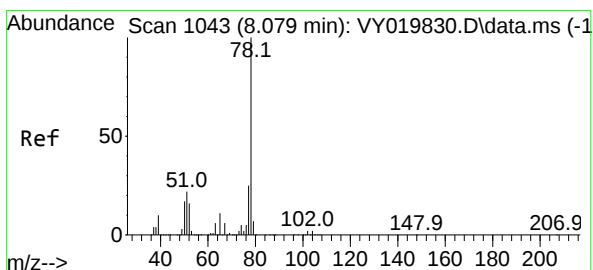
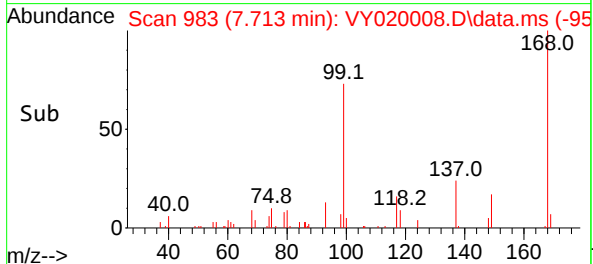
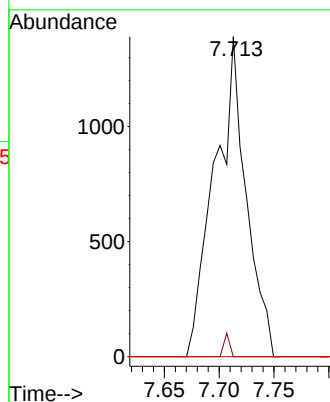
Tgt Ion:117 Resp: 2779

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#



#40

Benzene

Concen: 1.390 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY020008.D

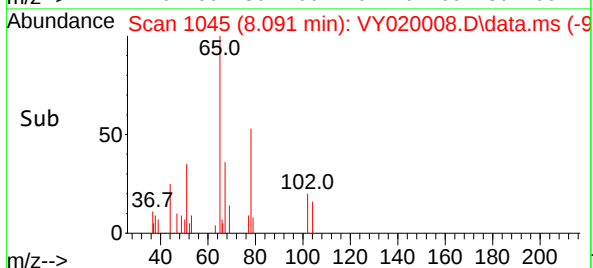
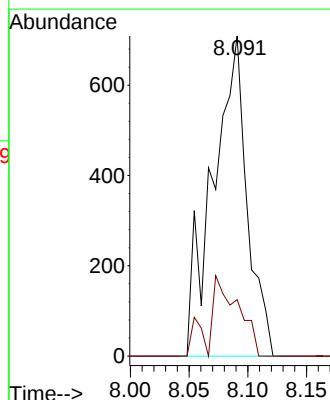
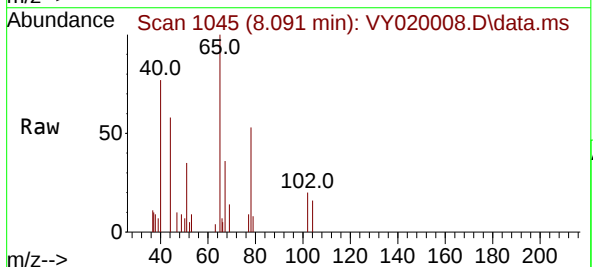
Acq: 24 Oct 2024 13:46

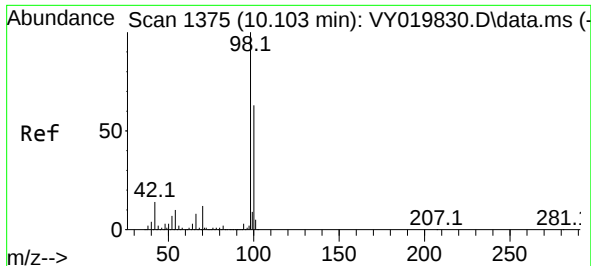
Tgt Ion: 78 Resp: 1433

Ion Ratio Lower Upper

78 100

77 17.6 19.5 29.3#

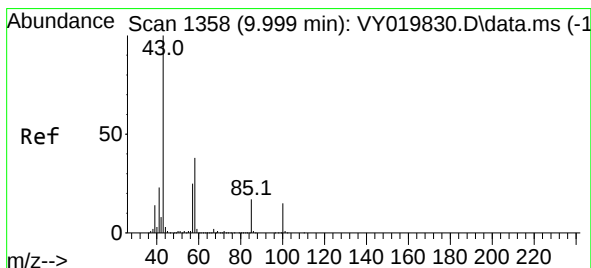
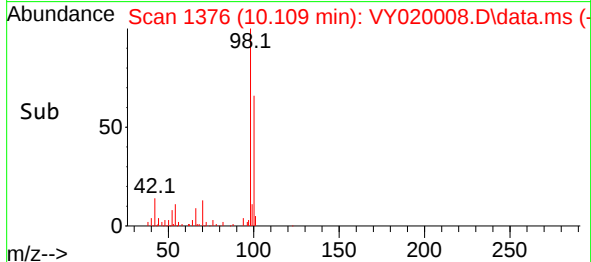
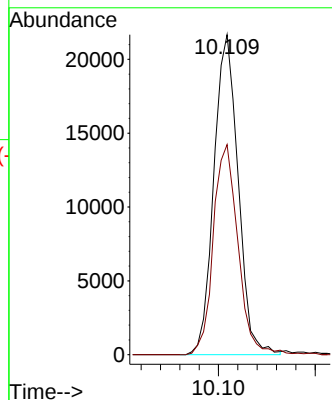
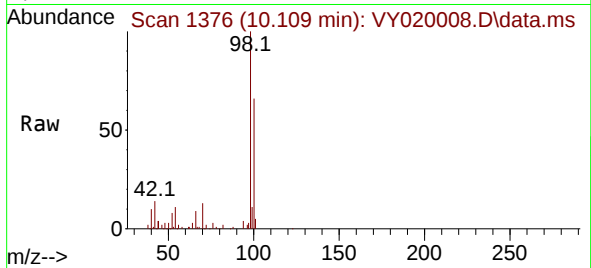




#50
Toluene-d8
Concen: 43.187 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

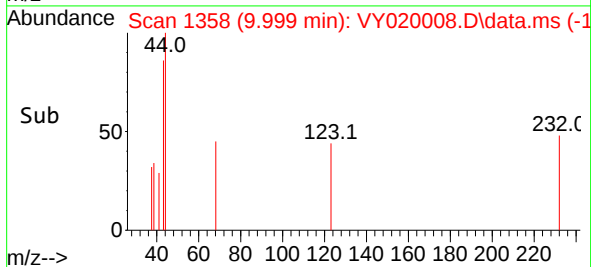
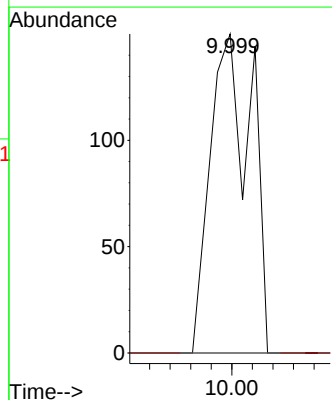
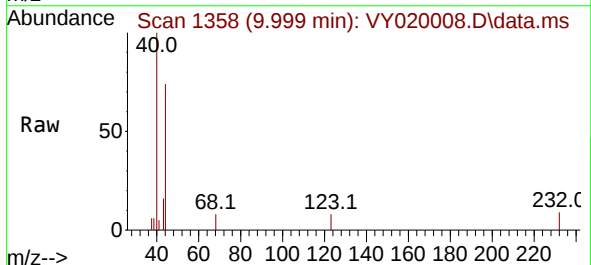
Instrument :
MSVOA_Y
ClientSampleId :

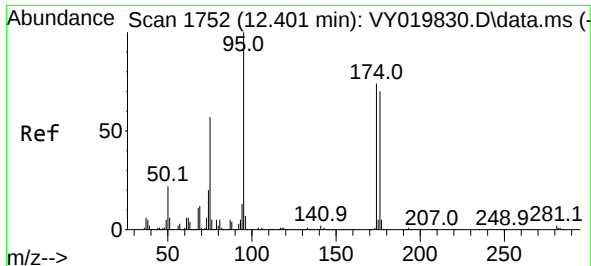
Tgt Ion: 98 Resp: 37709
Ion Ratio Lower Upper
98 100
100 67.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.115 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

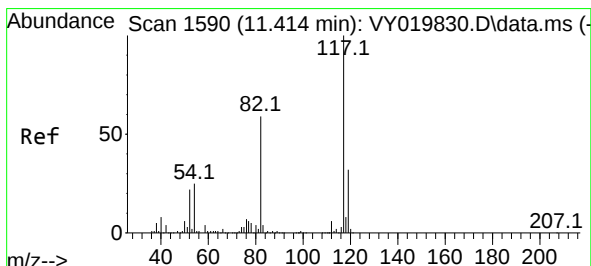
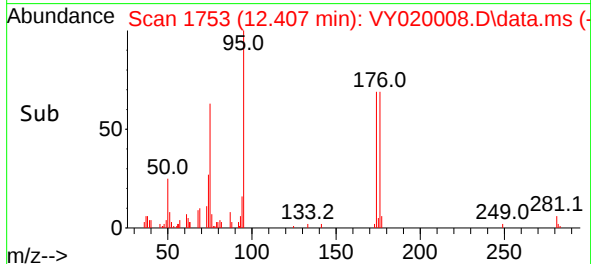
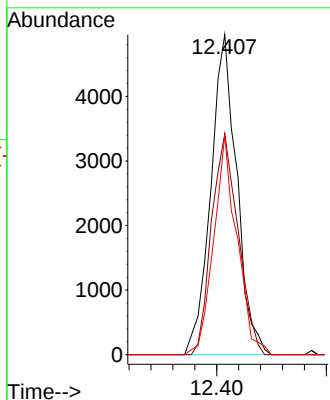
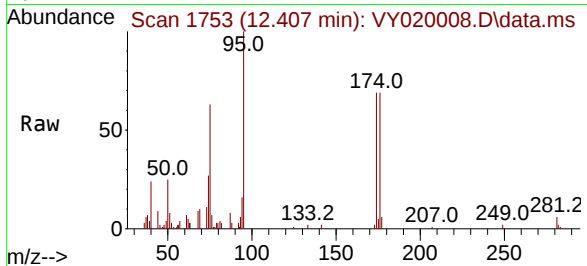




#62
4-Bromofluorobenzene
Concen: 25.835 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

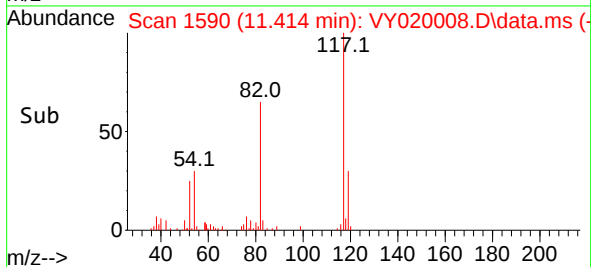
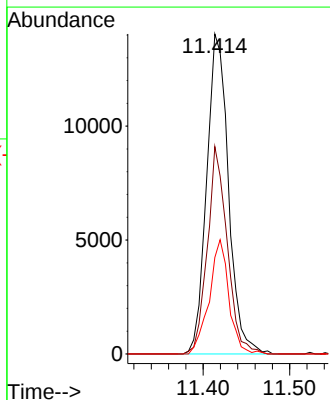
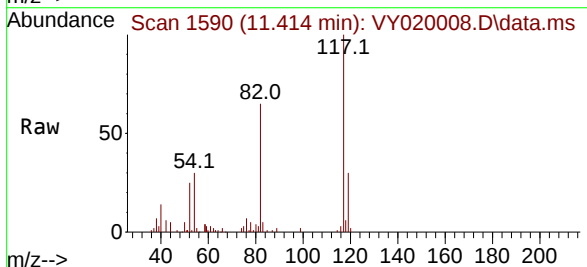
Instrument :
MSVOA_Y
ClientSampleId :

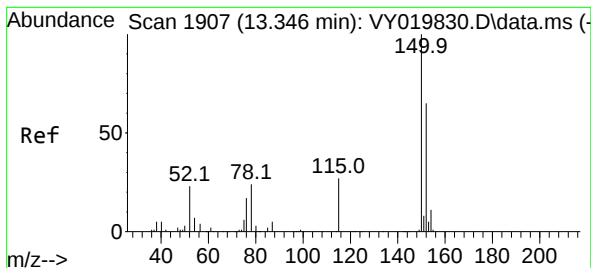
Tgt Ion: 95 Resp: 8151
Ion Ratio Lower Upper
95 100
174 70.6 0.0 175.6
176 61.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

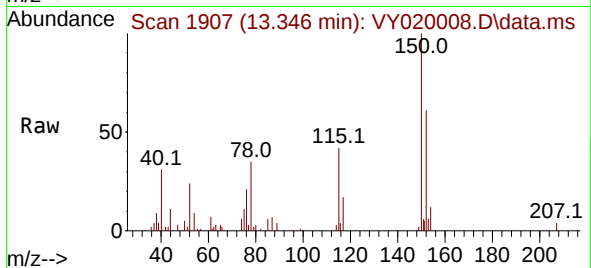
Tgt Ion: 117 Resp: 24566
Ion Ratio Lower Upper
117 100
82 64.8 42.4 63.6#
119 30.1 25.9 38.9



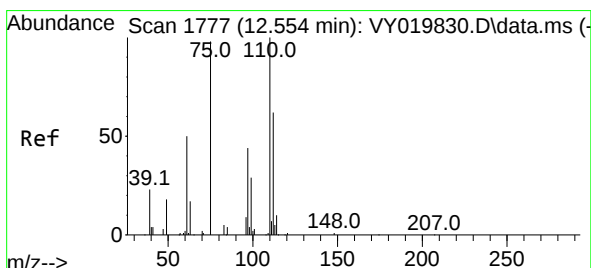
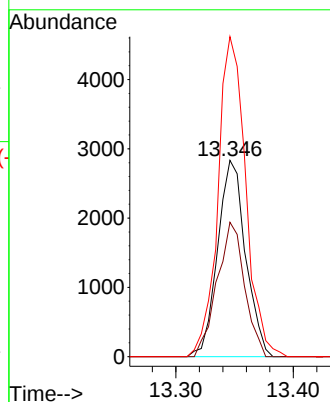
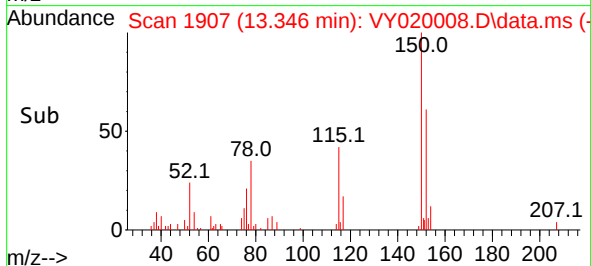


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

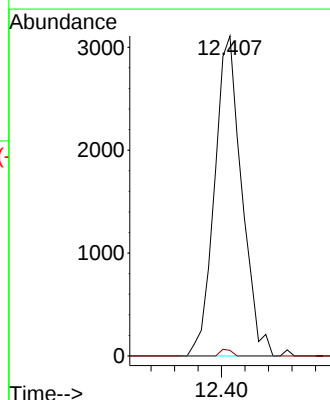
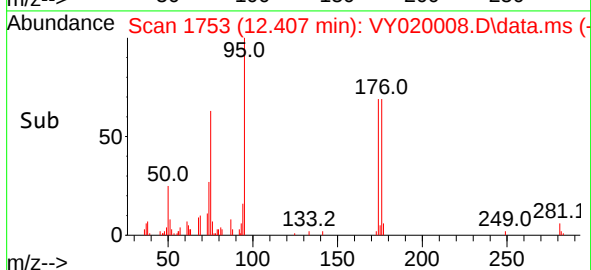
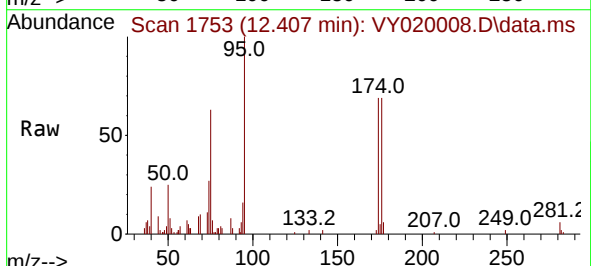


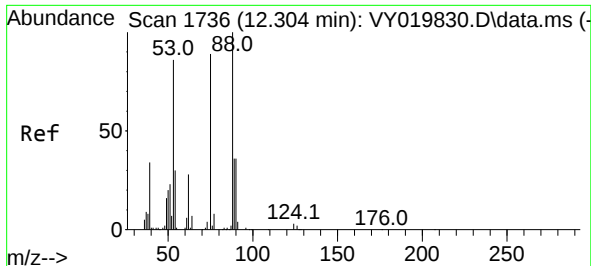
Tgt Ion:152 Resp: 4686
Ion Ratio Lower Upper
152 100
115 67.1 28.2 84.7
150 161.5 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 54.326 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

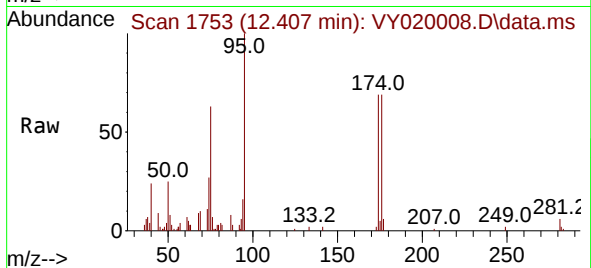
Tgt Ion: 75 Resp: 4987
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



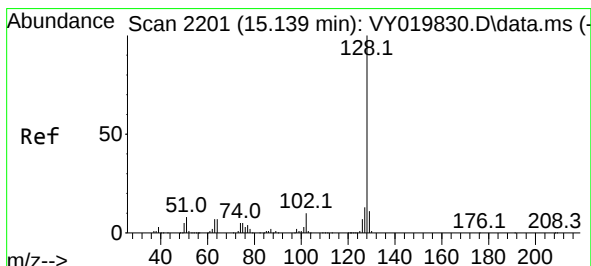
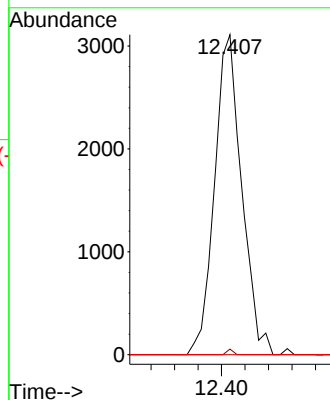
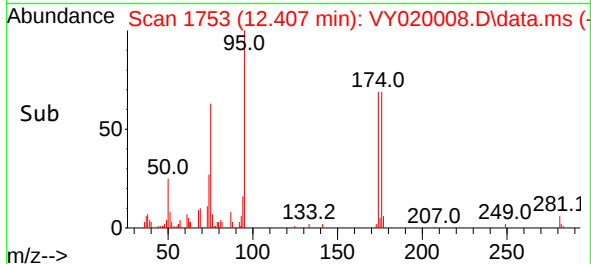


#81
trans-1,4-Dichloro-2-butene
Concen: 219.279 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46

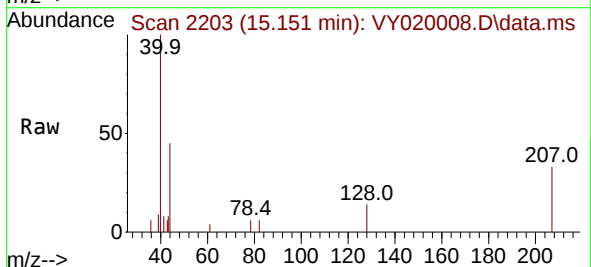
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 4987
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 1.153 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY020008.D
Acq: 24 Oct 2024 13:46



Tgt Ion: 128 Resp: 181
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

