

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020358.D
 Acq On : 20 Nov 2024 14:41
 Operator : SY/MD
 Sample : P4909-02
 Misc : 2.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 00:48:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

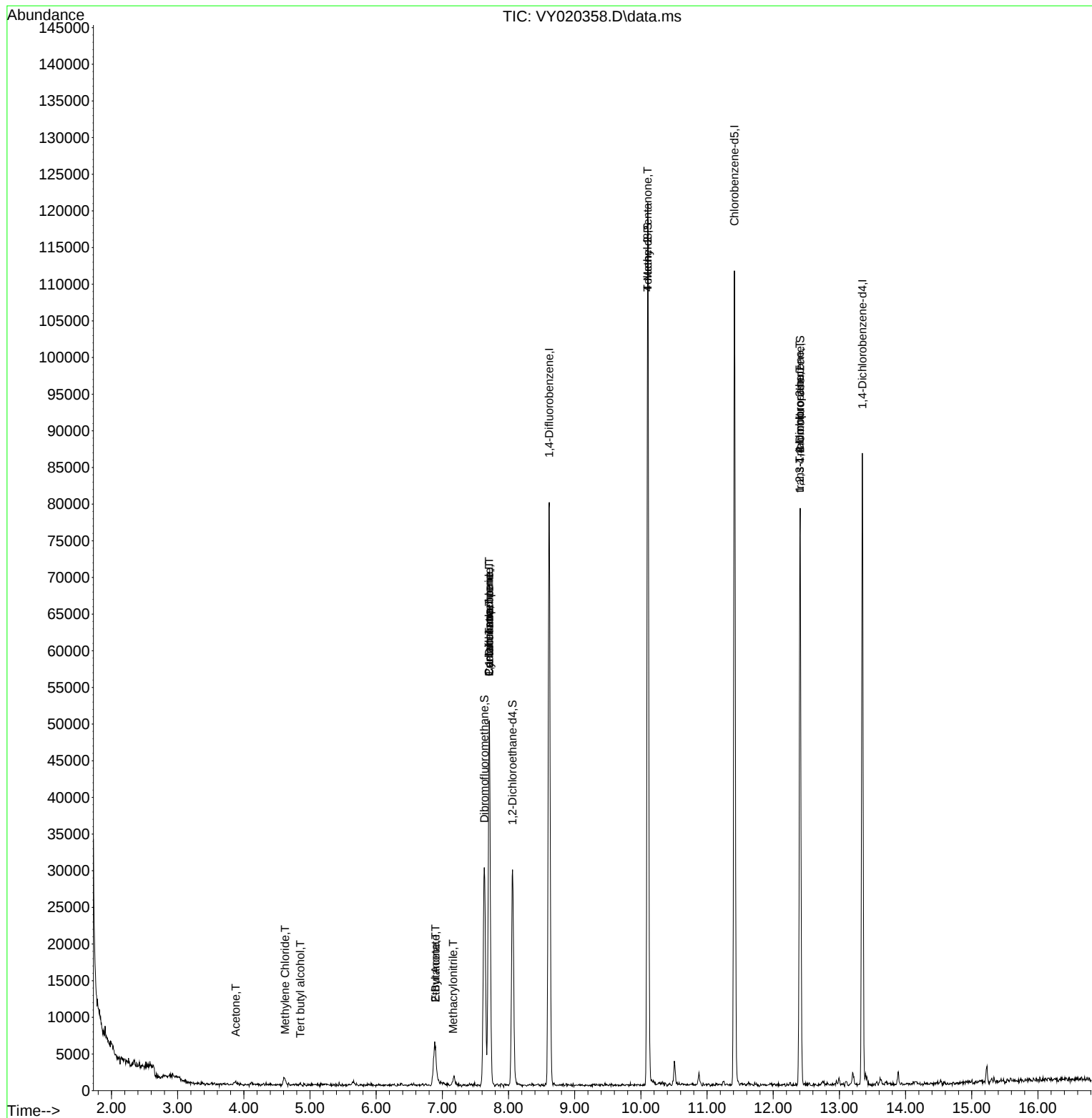
Internal Standards						
1) Pentafluorobenzene	7.707	168	36673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	66114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	56534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	20865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	24077	57.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.300%
35) Dibromofluoromethane	7.634	113	21755	51.316	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.640%
50) Toluene-d8	10.103	98	77381	46.336	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.408	95	23965	44.640	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	89.280%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	183	4.832	ug/l #	73
16) Acetone	3.879	43	690	6.831	ug/l #	43
20) Methylene Chloride	4.622	84	717	1.676	ug/l #	77
25) 2-Butanone	6.896	43	372	2.861	ug/l #	50
31) Cyclohexane	7.707	56	874	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	3160	4.880	ug/l #	46
37) Ethyl Acetate	6.896	43	372	1.254	ug/l #	50
38) Carbon Tetrachloride	7.707	117	3920	5.798	ug/l #	11
41) Methacrylonitrile	7.165	41	268	1.588	ug/l #	46
51) 4-Methyl-2-Pentanone	10.103	43	349	1.192	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	12994	66.074	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	12994	129.469	ug/l #	9

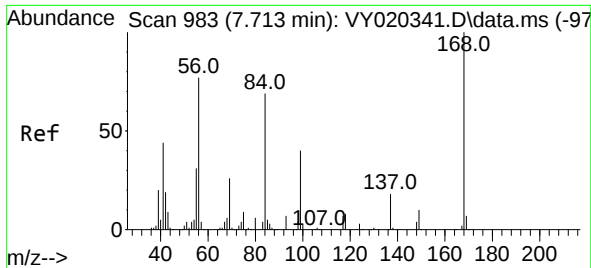
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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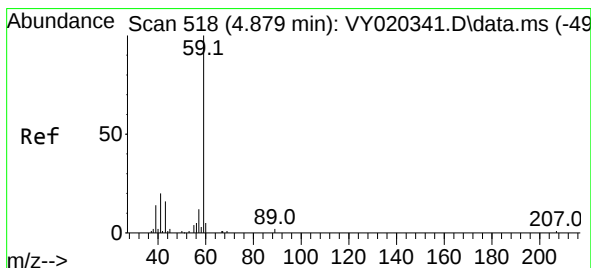
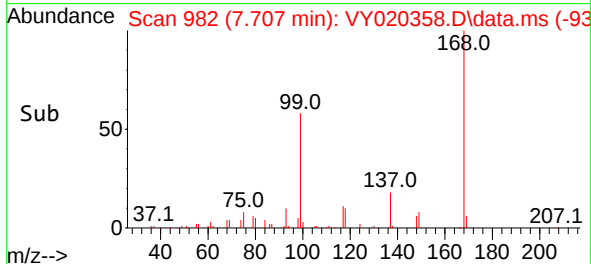
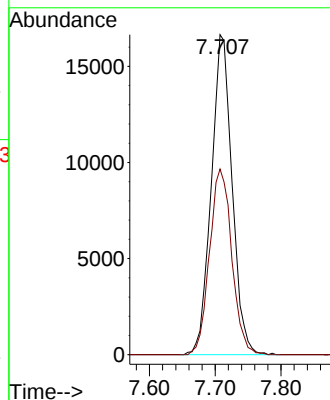
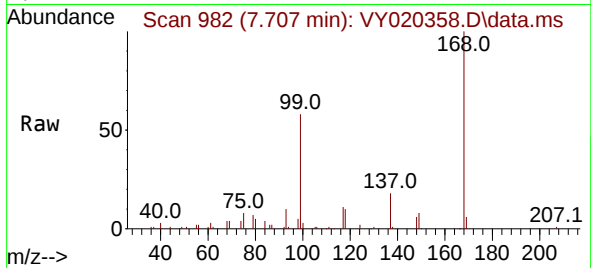




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

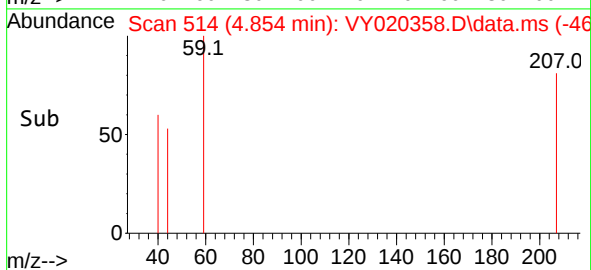
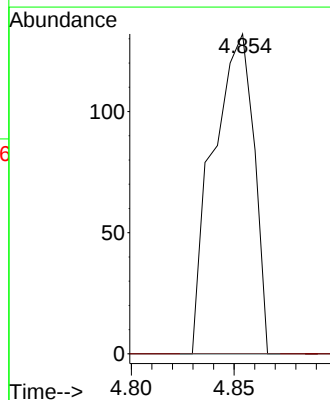
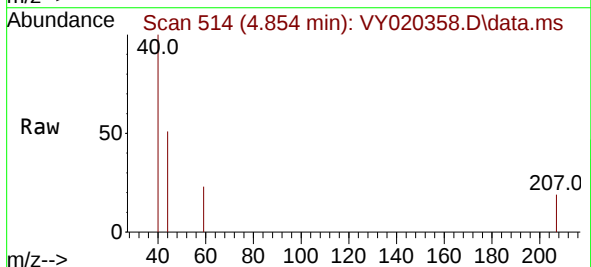
Instrument :
MSVOA_Y
ClientSampleId :

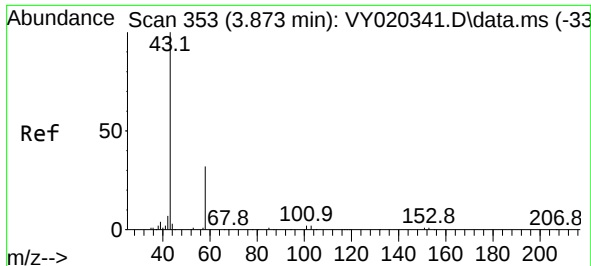
Tgt Ion:168 Resp: 36673
Ion Ratio Lower Upper
168 100
99 58.0 46.6 69.8



#11
Tert butyl alcohol
Concen: 4.832 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

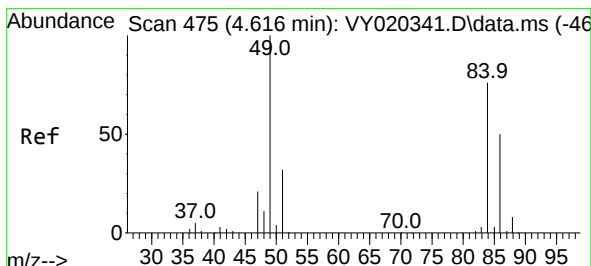
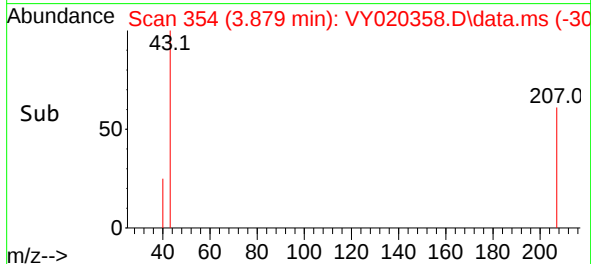
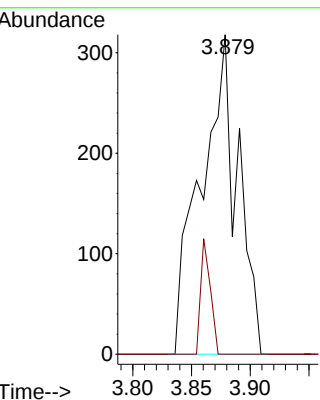
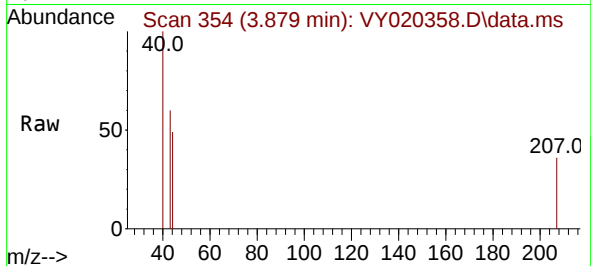




#16
Acetone
Concen: 6.831 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

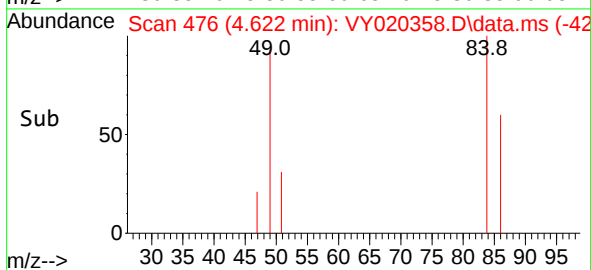
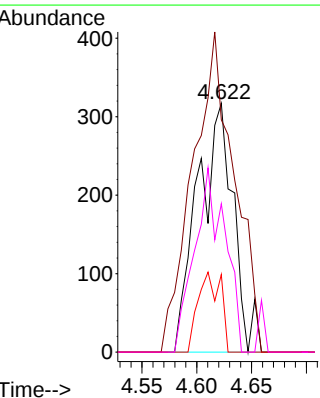
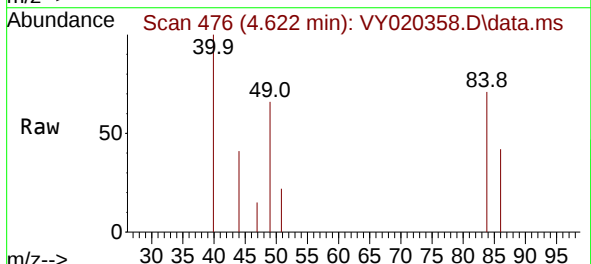
Instrument :
MSVOA_Y
ClientSampleId :

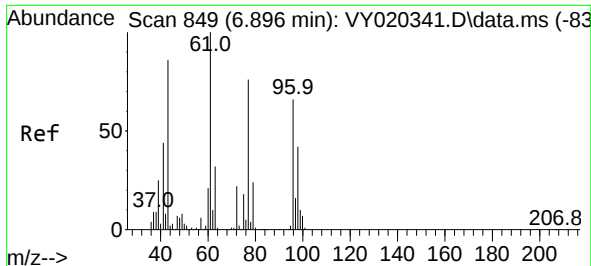
Tgt Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#20
Methylene Chloride
Concen: 1.676 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

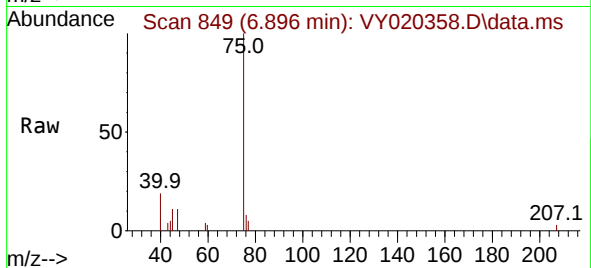
Tgt Ion: 84 Resp: 717
Ion Ratio Lower Upper
84 100
49 93.4 104.7 157.1#
51 31.2 33.4 50.0#
86 59.6 52.2 78.2



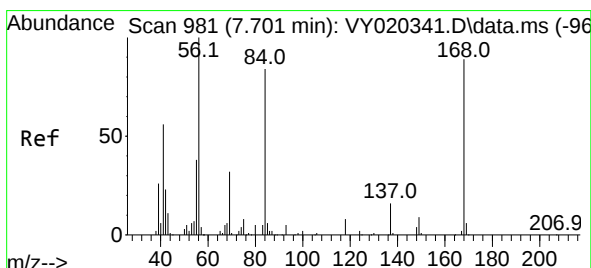
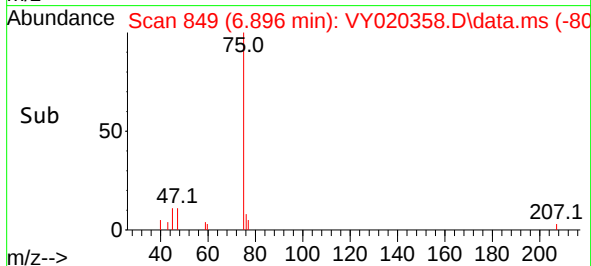
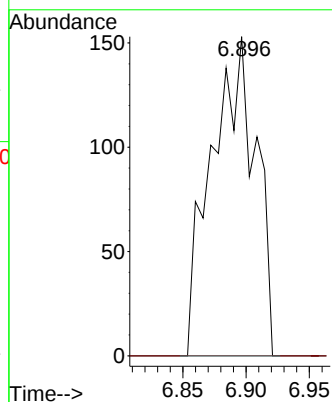


#25
2-Butanone
Concen: 2.861 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Instrument :
MSVOA_Y
ClientSampleId :

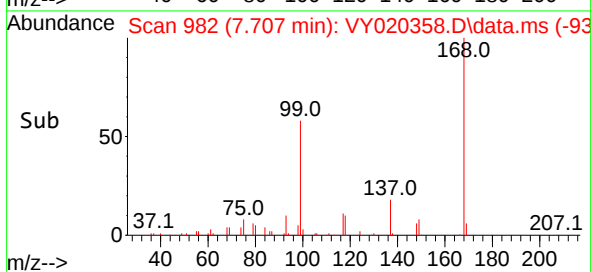
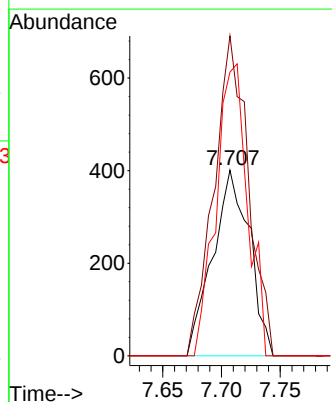
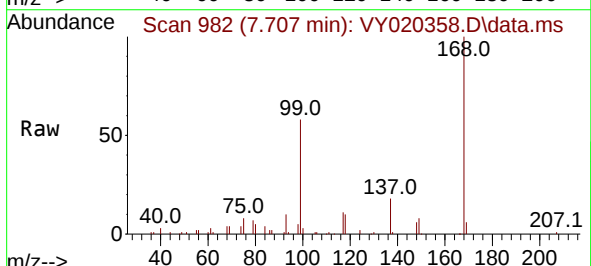


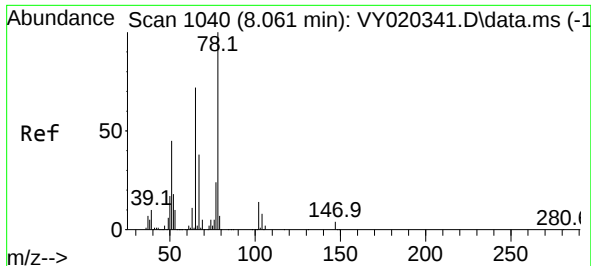
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Tgt Ion: 56 Resp: 874
Ion Ratio Lower Upper
56 100
69 172.3 25.3 37.9#
84 152.9 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 57.145 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY020358.D

Acq: 20 Nov 2024 14:41

Instrument :

MSVOA_Y

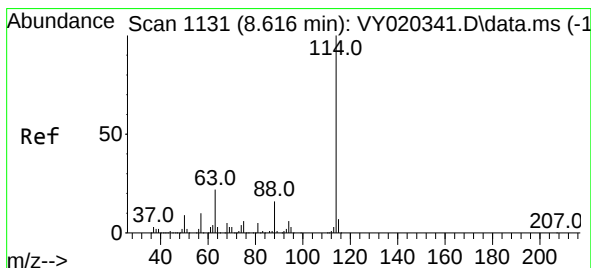
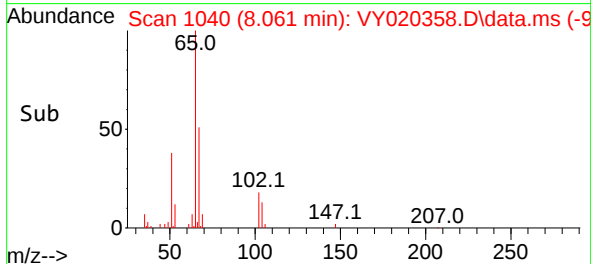
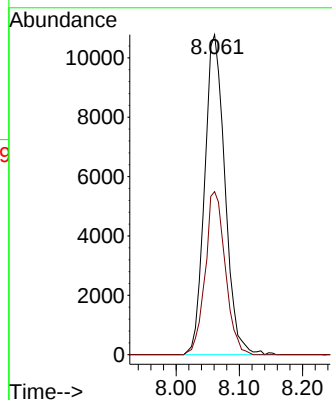
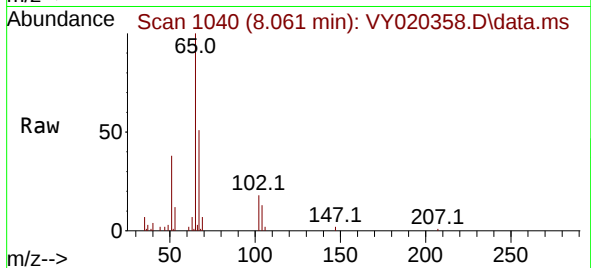
ClientSampleId :

Tgt Ion: 65 Resp: 24077

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020358.D

Acq: 20 Nov 2024 14:41

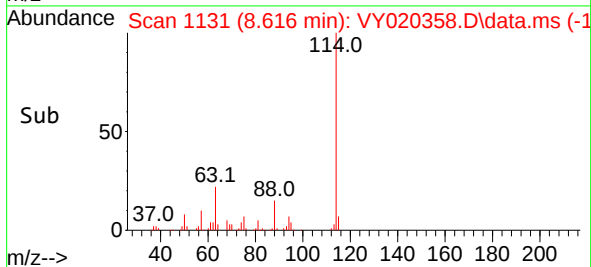
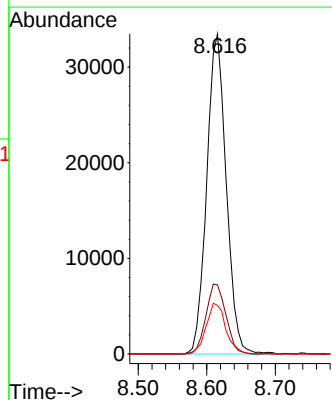
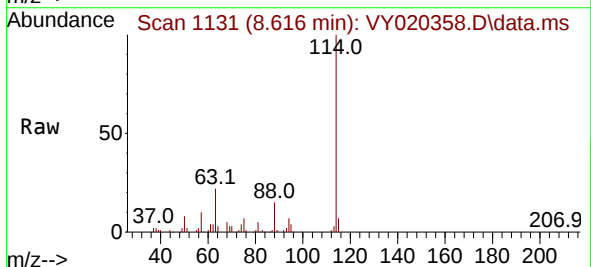
Tgt Ion: 114 Resp: 66114

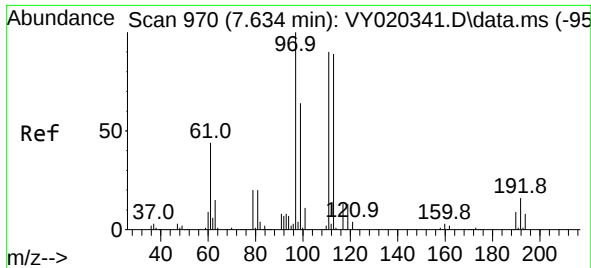
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.8

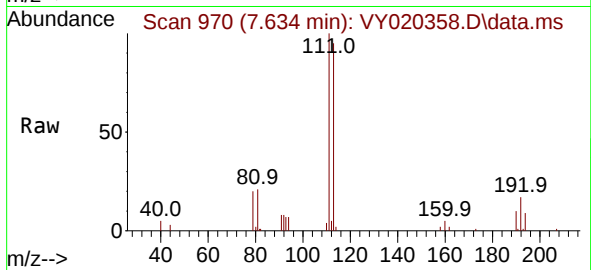
88 15.1 0.0 32.0



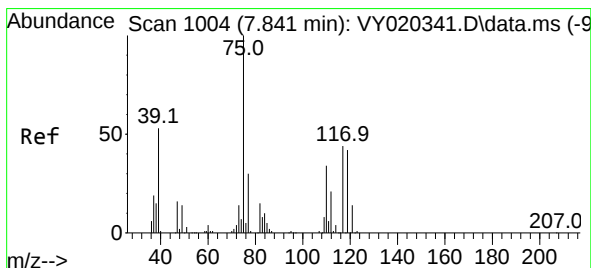
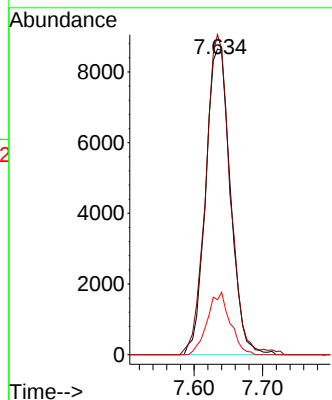
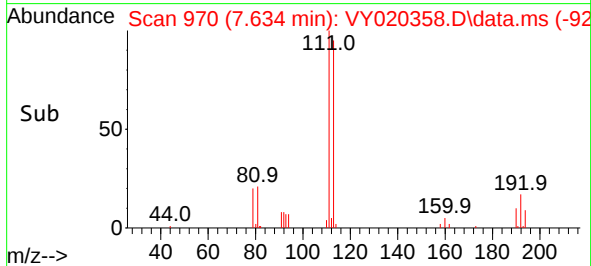


#35
Dibromofluoromethane
Concen: 51.316 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Instrument :
MSVOA_Y
ClientSampleId :

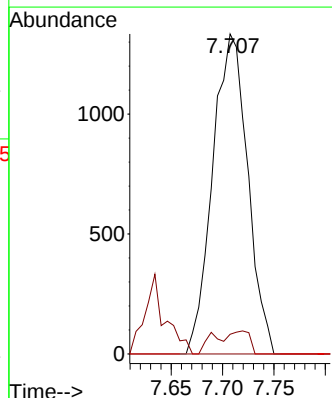
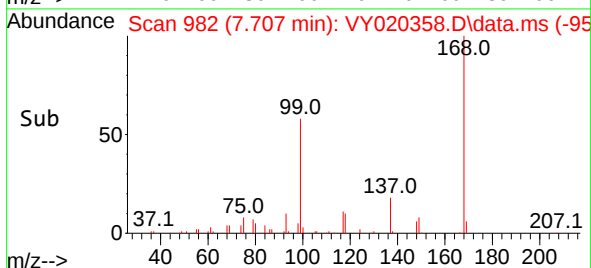
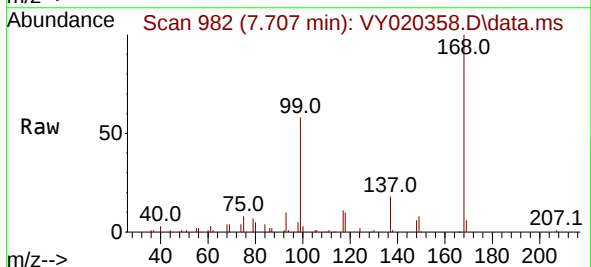


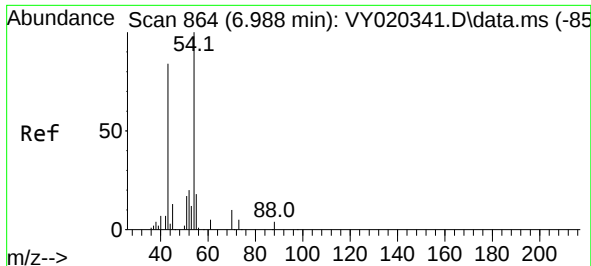
Tgt Ion:113 Resp: 21755
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 18.8 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Tgt Ion: 75 Resp: 3160
Ion Ratio Lower Upper
75 100
110 4.1 16.7 50.0#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.254 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.092 min

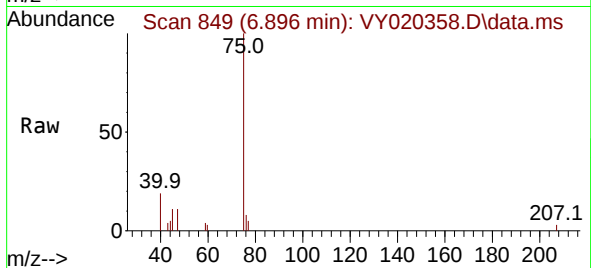
Lab File: VY020358.D

Acq: 20 Nov 2024 14:41

Instrument :

MSVOA_Y

ClientSampleId :



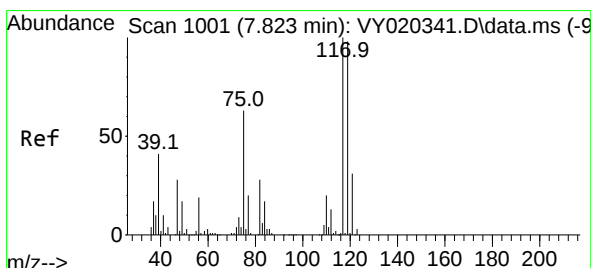
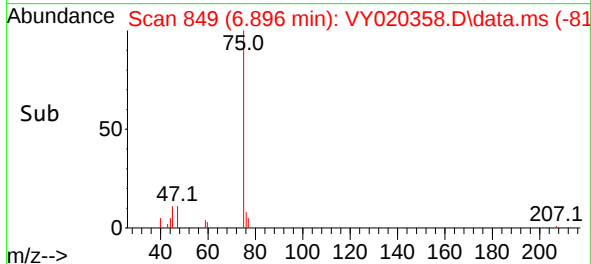
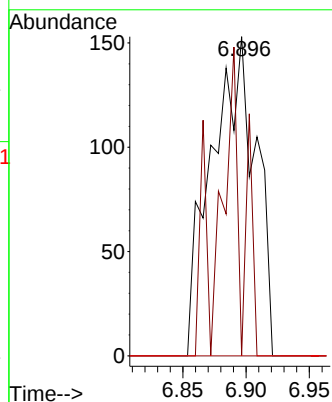
Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

61 40.3 10.7 16.1#

70 0.0 7.3 10.9#



#38

Carbon Tetrachloride

Concen: 5.798 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY020358.D

Acq: 20 Nov 2024 14:41

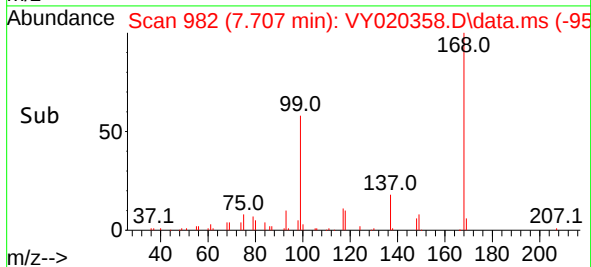
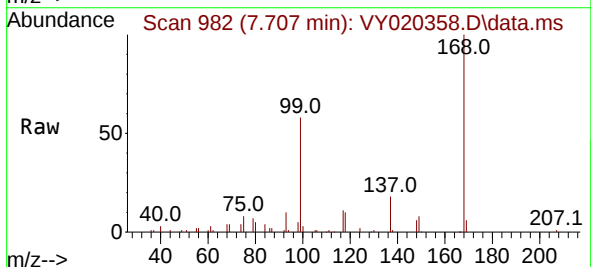
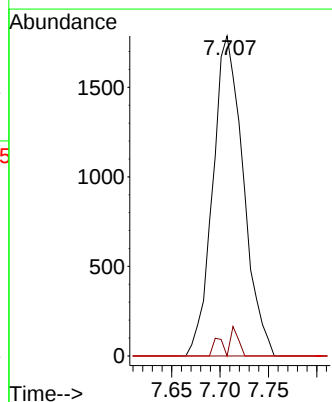
Tgt Ion: 117 Resp: 3920

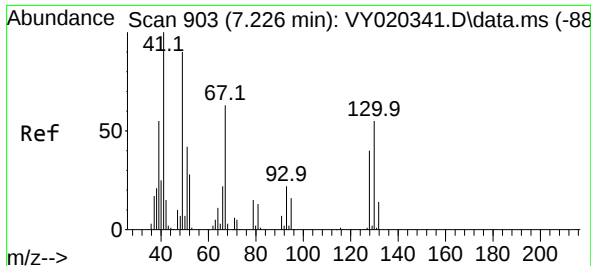
Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.6#

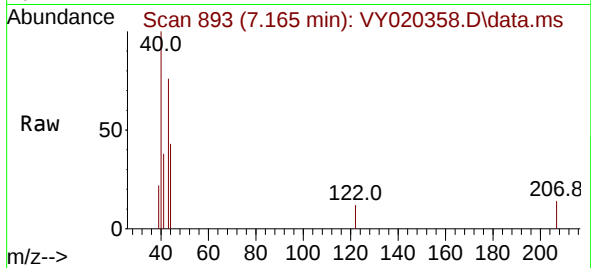
121 0.0 24.6 37.0#



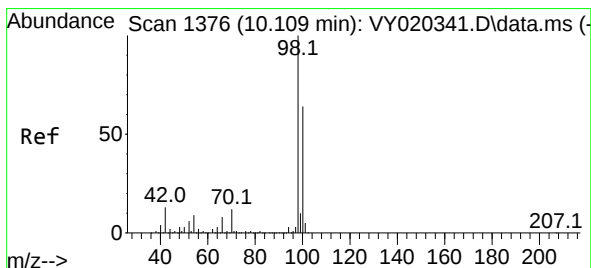
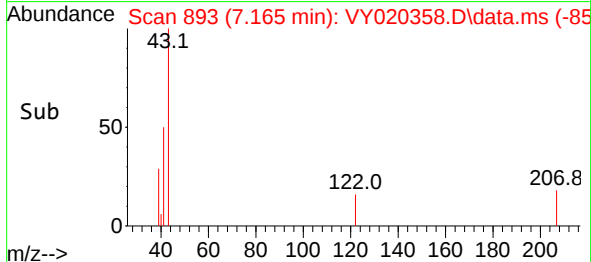
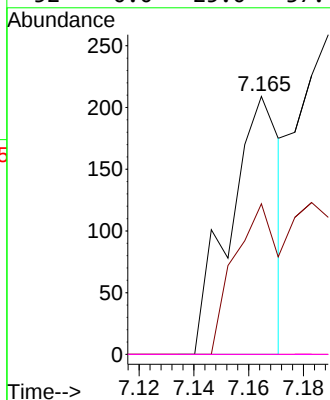


#41
Methacrylonitrile
Concen: 1.588 ug/l
RT: 7.165 min Scan# 893
Delta R.T. -0.061 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Instrument :
MSVOA_Y
ClientSampleId :

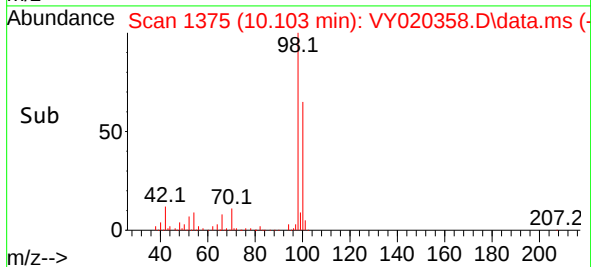
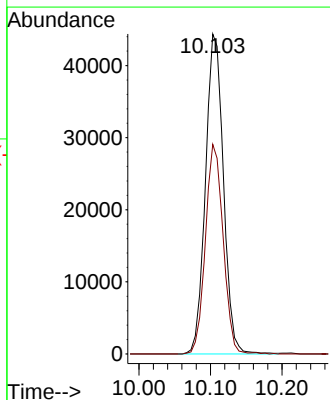
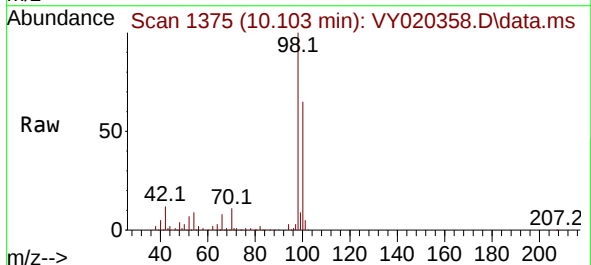


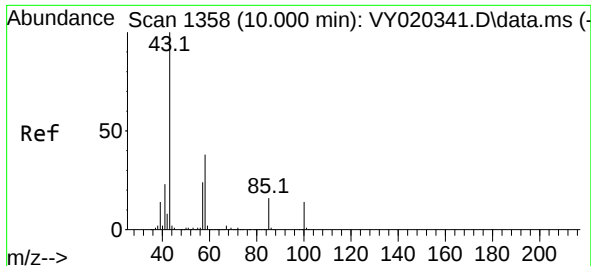
Tgt Ion:	41	Resp:	268
Ion Ratio	Lower	Upper	
41	100		
39	50.0	49.0	73.4
67	0.0	57.1	85.7#
52	0.0	25.0	37.4#



#50
Toluene-d8
Concen: 46.336 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Tgt Ion:	98	Resp:	77381
Ion Ratio	Lower	Upper	
98	100		
100	64.7	51.3	76.9

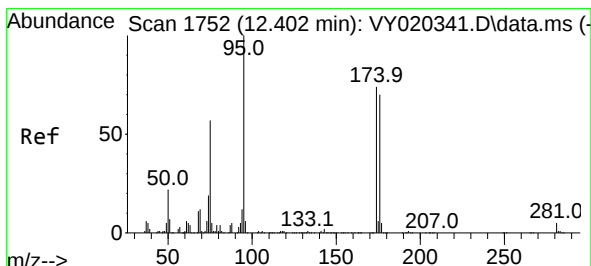
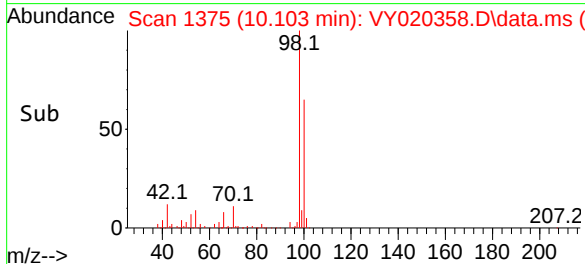
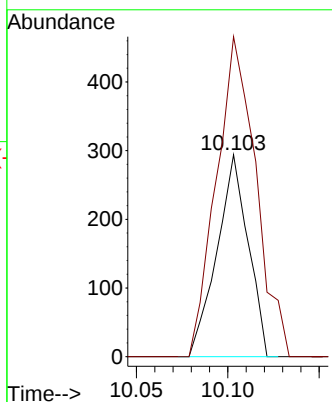
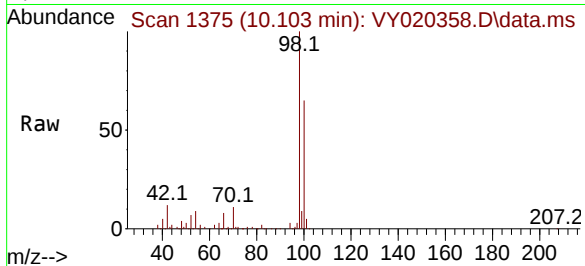




#51
4-Methyl-2-Pentanone
Concen: 1.192 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

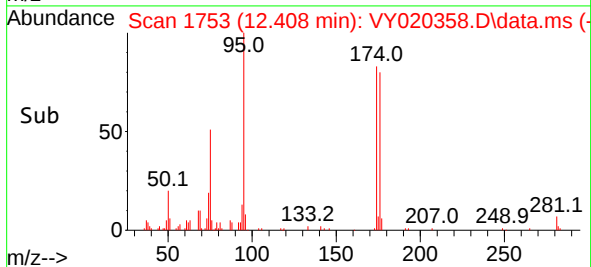
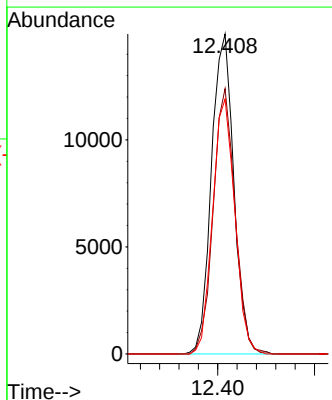
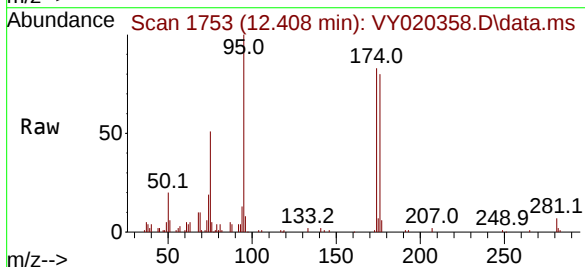
Instrument :
MSVOA_Y
ClientSampleId :

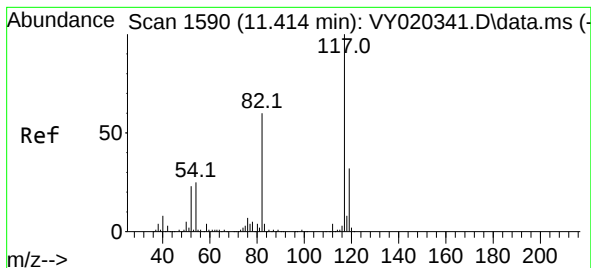
Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 200.3 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 44.640 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Tgt Ion: 95 Resp: 23965
Ion Ratio Lower Upper
95 100
174 80.9 0.0 156.8
176 79.1 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020358.D

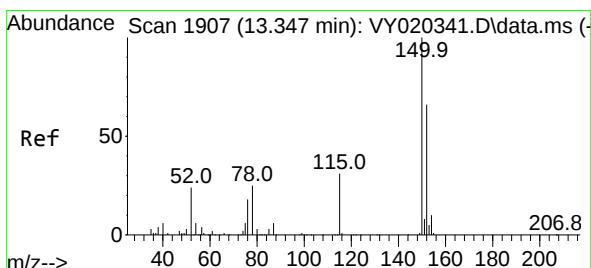
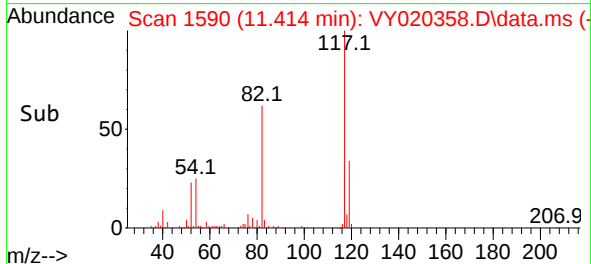
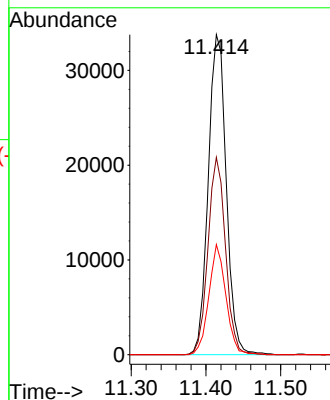
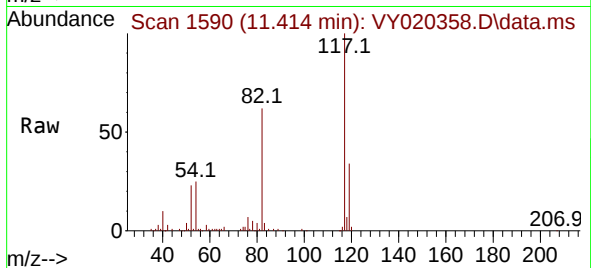
Acq: 20 Nov 2024 14:41

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	56534
Ion	Ratio	Lower Upper
117	100	
82	61.7	48.2 72.4
119	34.4	25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

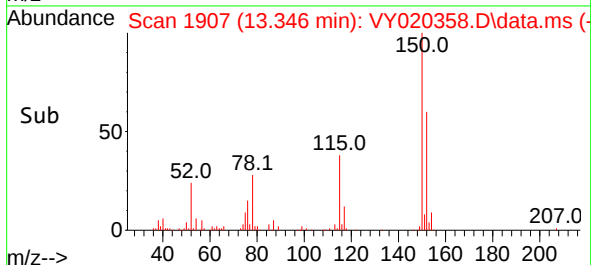
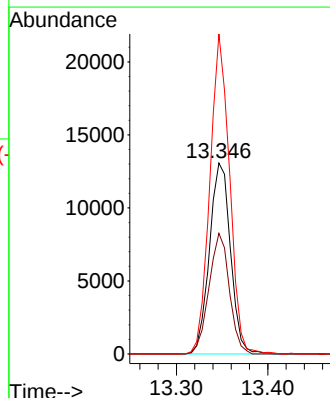
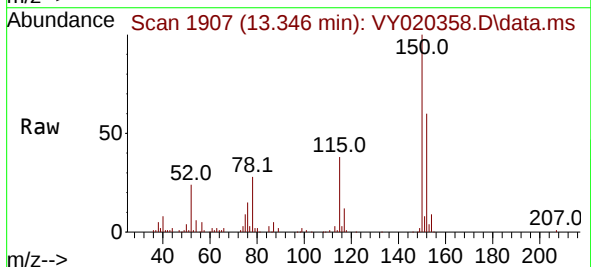
RT: 13.346 min Scan# 1907

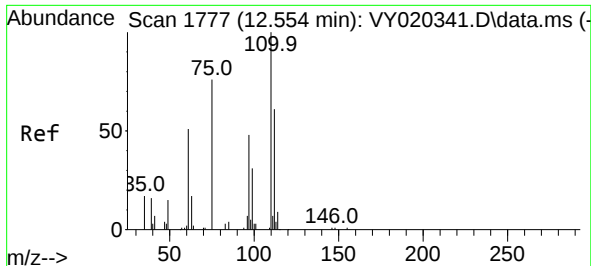
Delta R.T. -0.000 min

Lab File: VY020358.D

Acq: 20 Nov 2024 14:41

Tgt Ion:152	Resp:	20865
Ion	Ratio	Lower Upper
152	100	
115	61.2	30.0 90.0
150	156.5	0.0 348.2

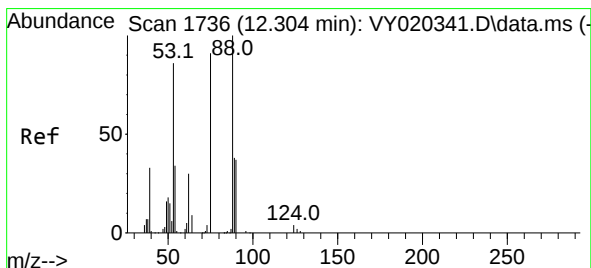
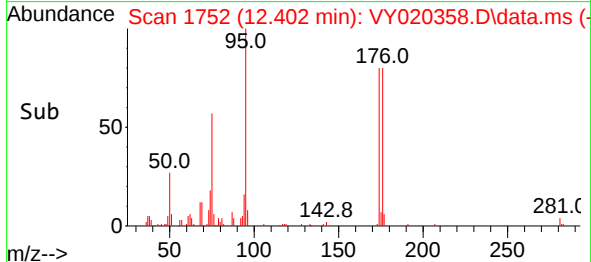
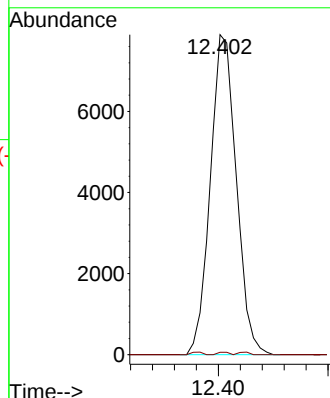
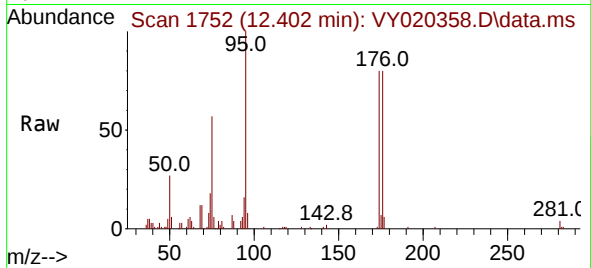




#76
1,2,3-Trichloropropane
Concen: 66.074 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 12994
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.469 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY020358.D
Acq: 20 Nov 2024 14:41

Tgt Ion: 75 Resp: 12994
Ion Ratio Lower Upper
75 100
53 0.0 81.1 121.7#
89 0.2 35.1 52.7#

