

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
 Data File : VY020570.D
 Acq On : 10 Dec 2024 15:47
 Operator : SY/MD
 Sample : P5219-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 11 00:50:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

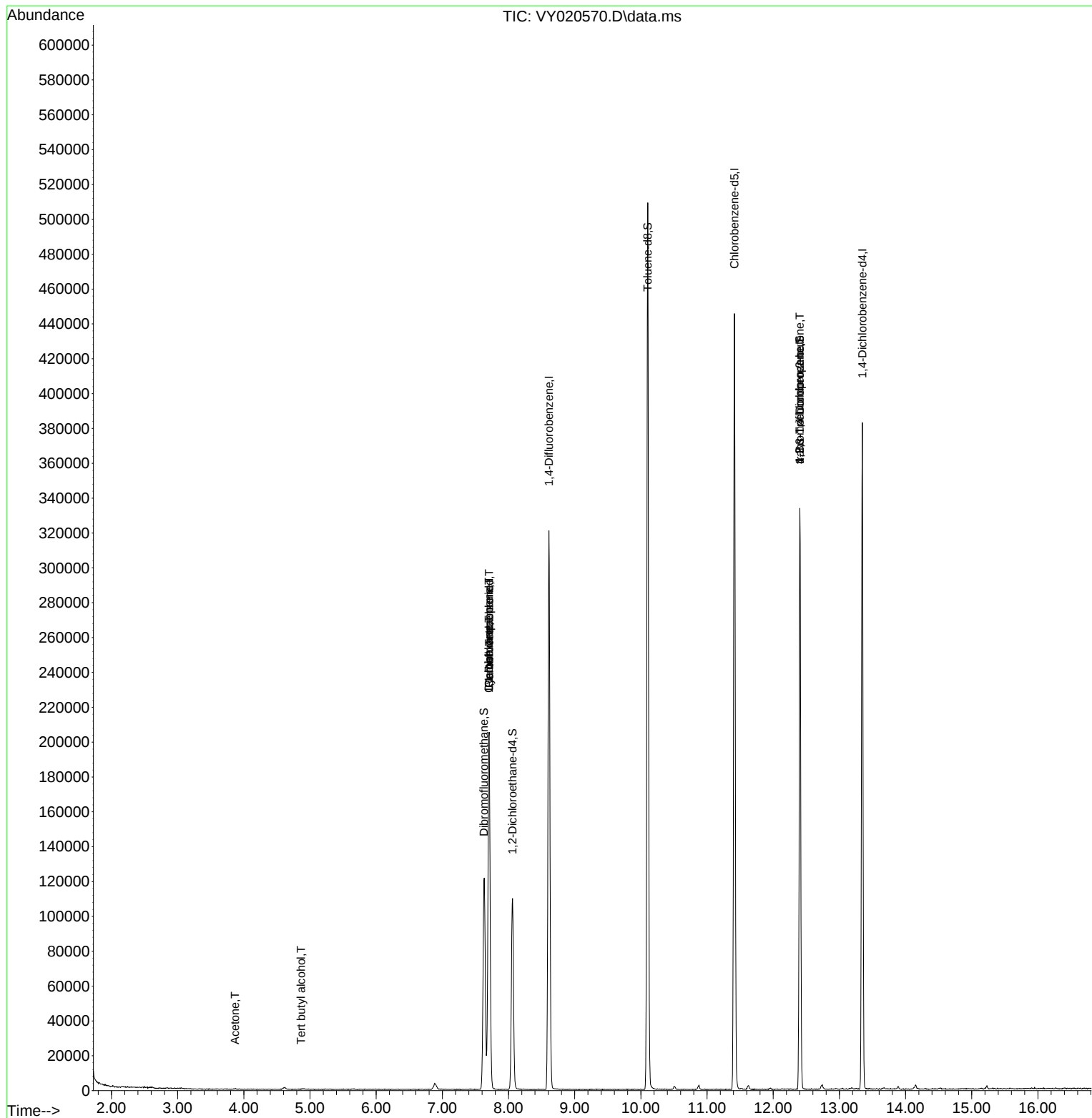
Internal Standards						
1) Pentafluorobenzene	7.707	168	154936	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	268423	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	232645	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	94757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	89810	56.996	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.000%	
35) Dibromofluoromethane	7.628	113	86231	51.029	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.060%	
50) Toluene-d8	10.103	98	324437	50.420	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.401	95	103274	45.889	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	147	1.438	ug/l #	73
16) Acetone	3.866	43	650	1.659	ug/l	90
31) Cyclohexane	7.701	56	3546	1.142	ug/l #	33
36) 1,1-Dichloropropene	7.701	75	12310	4.314	ug/l #	52
38) Carbon Tetrachloride	7.707	117	16564	4.863	ug/l #	14
76) 1,2,3-Trichloropropane	12.401	75	54940	56.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	54940	116.784	ug/l #	9

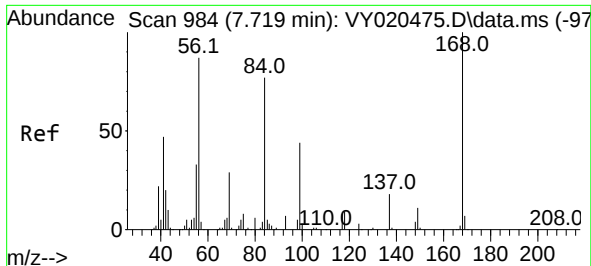
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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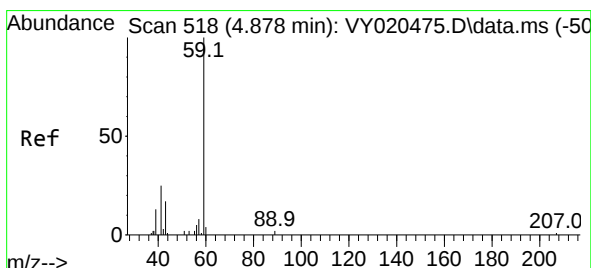
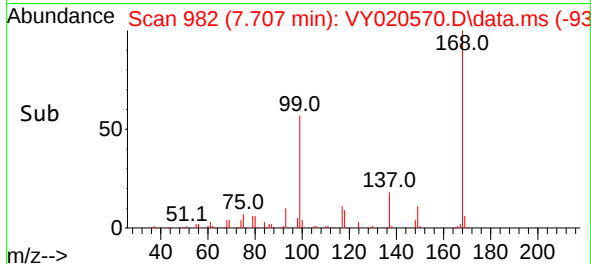
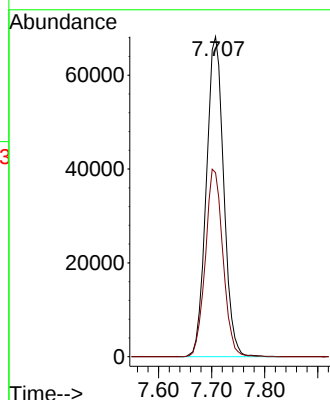
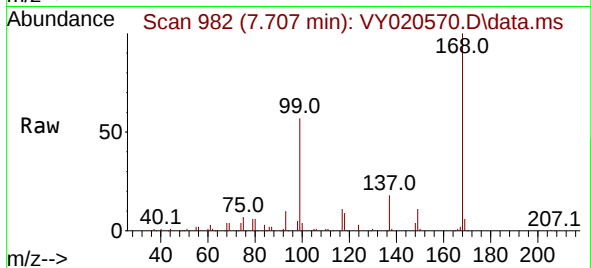




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

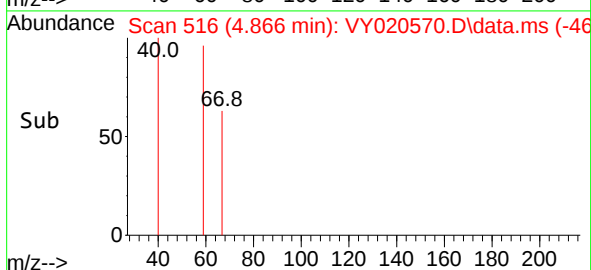
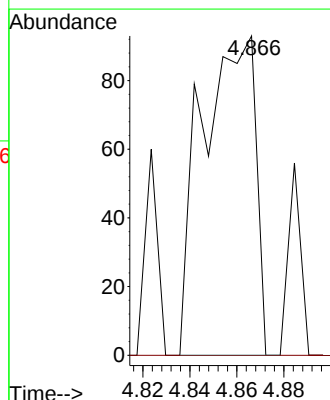
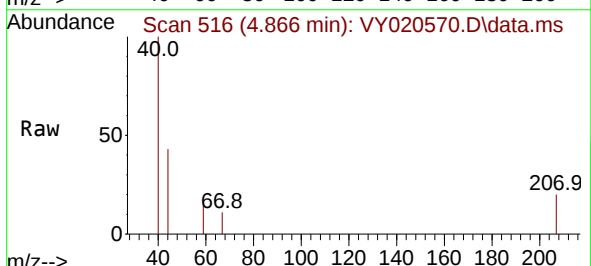
Instrument :
MSVOA_Y
ClientSampleId :

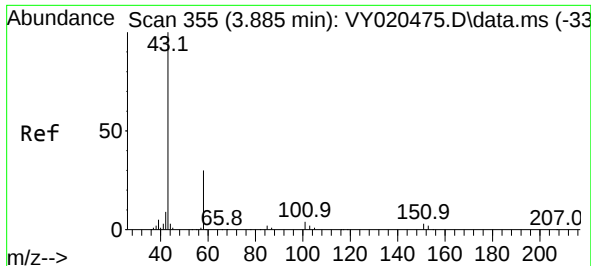
Tgt Ion:168 Resp: 154936
Ion Ratio Lower Upper
168 100
99 57.5 46.6 69.8



#11
Tert butyl alcohol
Concen: 1.438 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 1.659 ug/l

RT: 3.866 min Scan# 31

Delta R.T. -0.018 min

Lab File: VY020570.D

Acq: 10 Dec 2024 15:47

Instrument :

MSVOA_Y

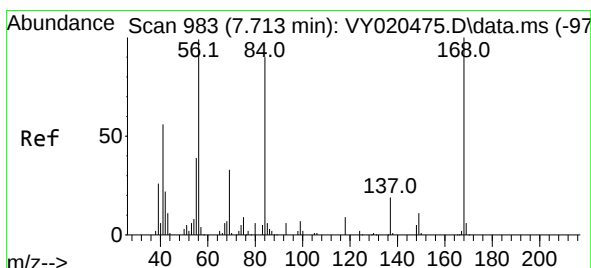
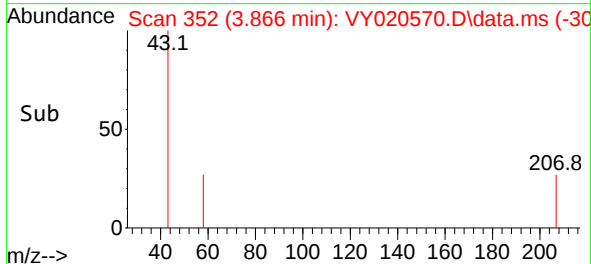
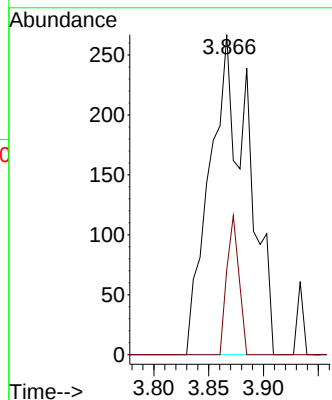
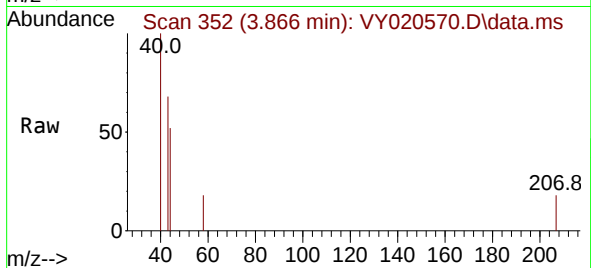
ClientSampleId :

Tgt Ion: 43 Resp: 650

Ion Ratio Lower Upper

43 100

58 26.6 25.7 38.5



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.012 min

Lab File: VY020570.D

Acq: 10 Dec 2024 15:47

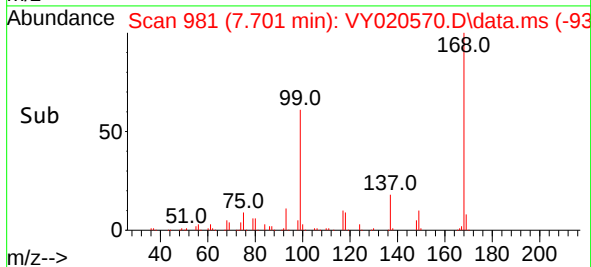
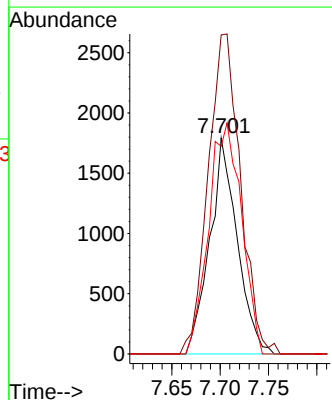
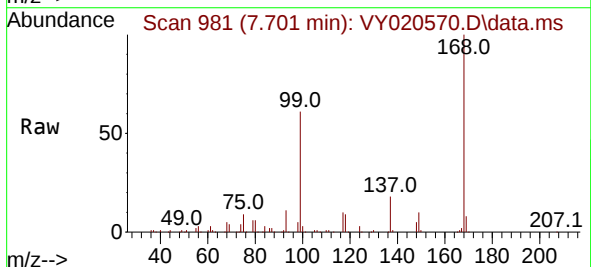
Tgt Ion: 56 Resp: 3546

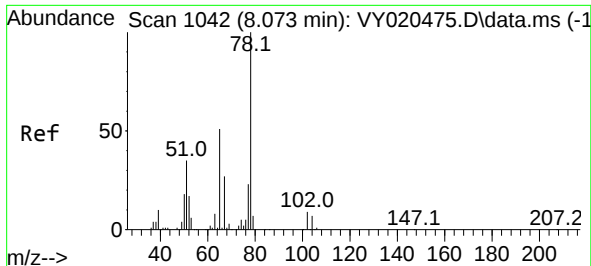
Ion Ratio Lower Upper

56 100

69 147.7 25.3 37.9#

84 96.1 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 56.996 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY020570.D

Acq: 10 Dec 2024 15:47

Instrument :

MSVOA_Y

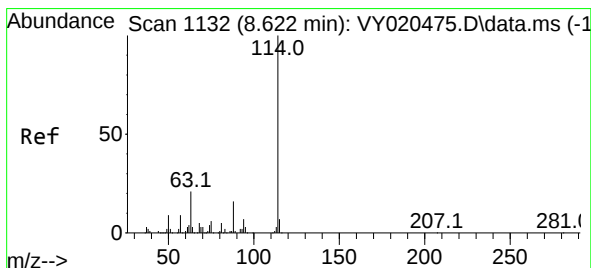
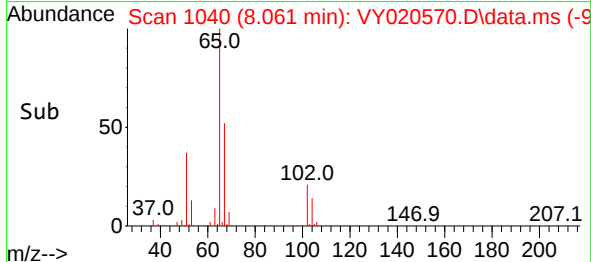
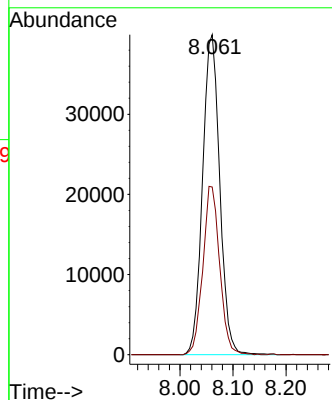
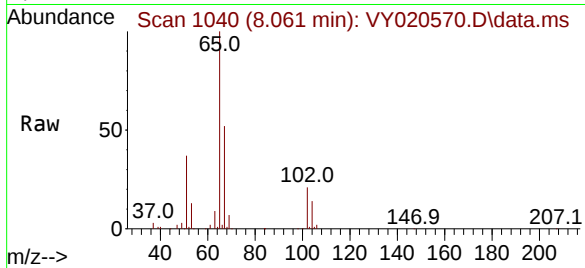
ClientSampleId :

Tgt Ion: 65 Resp: 89810

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY020570.D

Acq: 10 Dec 2024 15:47

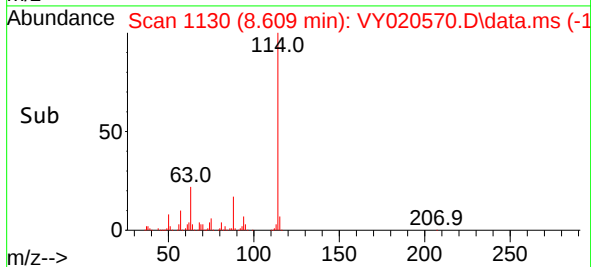
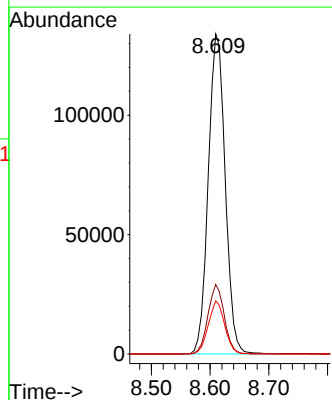
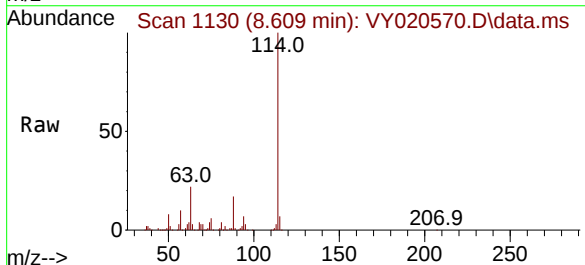
Tgt Ion: 114 Resp: 268423

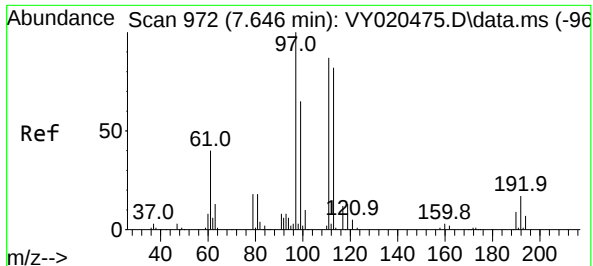
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.8

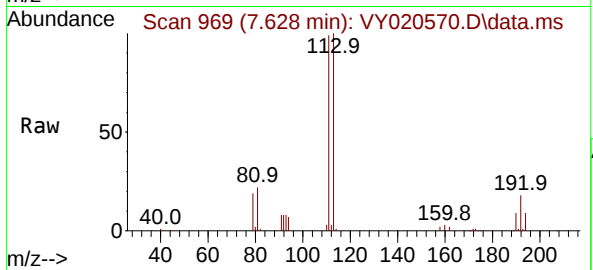
88 16.6 0.0 32.0



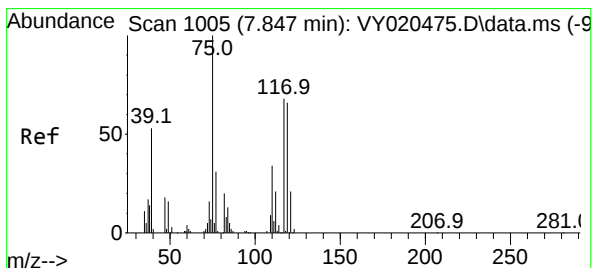
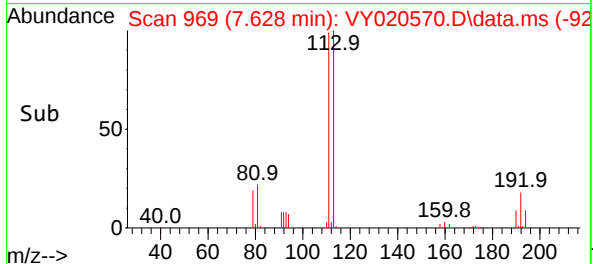
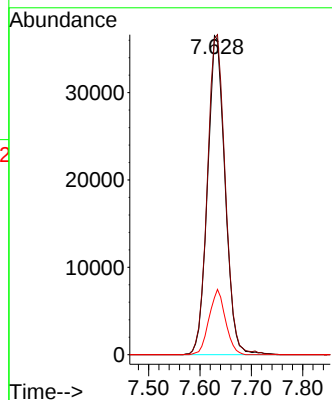


#35
Dibromofluoromethane
Concen: 51.029 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.018 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

Instrument :
MSVOA_Y
ClientSampleId :

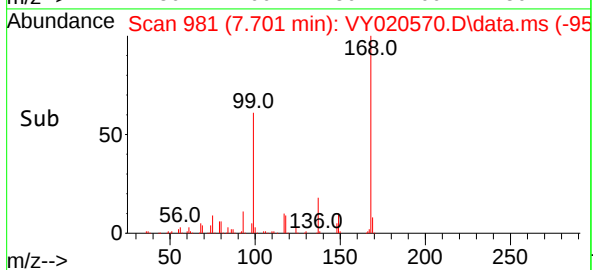
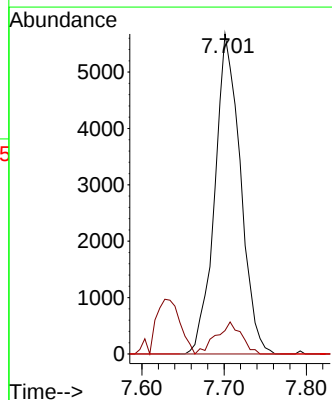
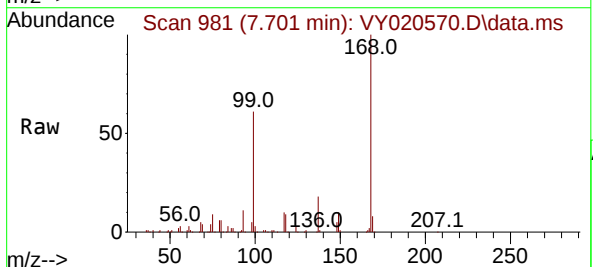


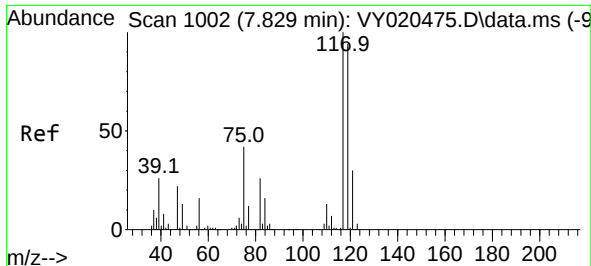
Tgt Ion:113 Resp: 86231
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 19.2 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.314 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.146 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

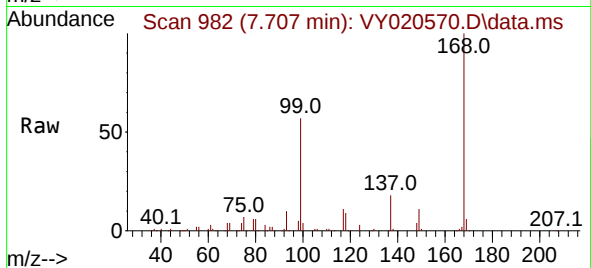
Tgt Ion: 75 Resp: 12310
Ion Ratio Lower Upper
75 100
110 9.8 16.7 50.0#
77 0.0 24.6 36.8#



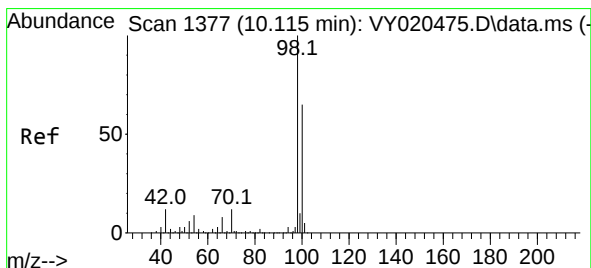
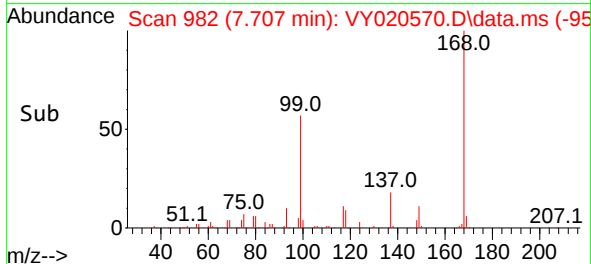
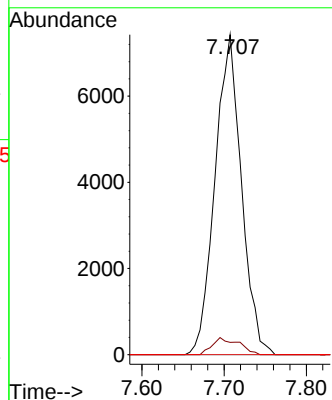


#38
Carbon Tetrachloride
Concen: 4.863 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

Instrument :
MSVOA_Y
ClientSampleId :

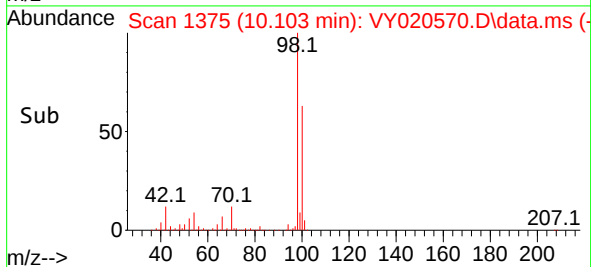
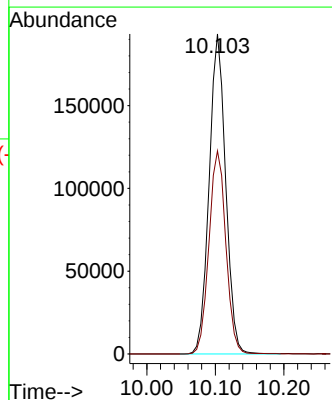
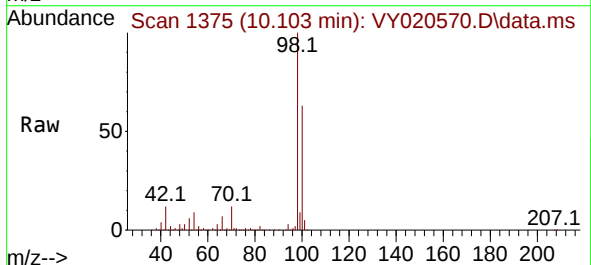


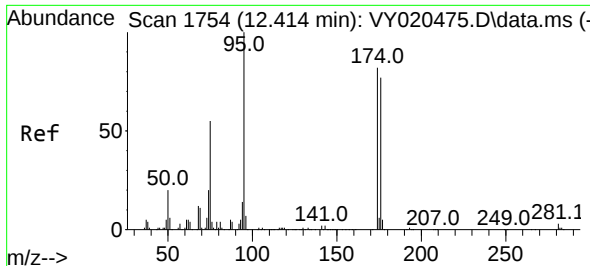
Tgt Ion:117 Resp: 16564
Ion Ratio Lower Upper
117 100
119 3.8 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 50.420 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.012 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

Tgt Ion: 98 Resp: 324437
Ion Ratio Lower Upper
98 100
100 65.0 51.3 76.9

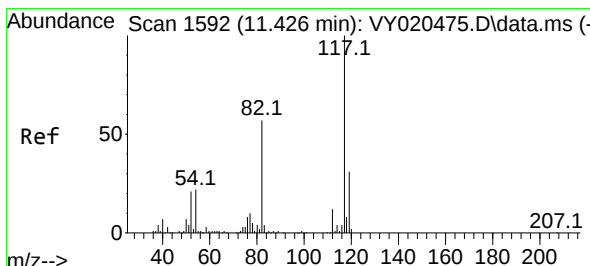
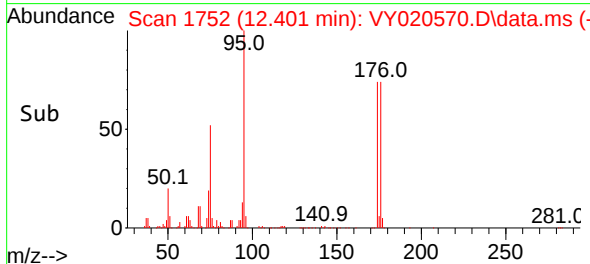
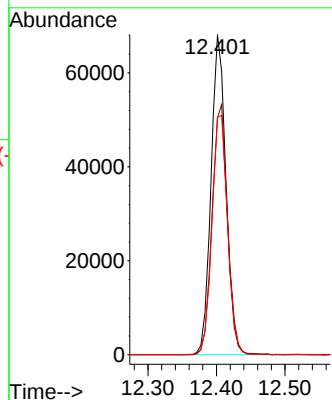
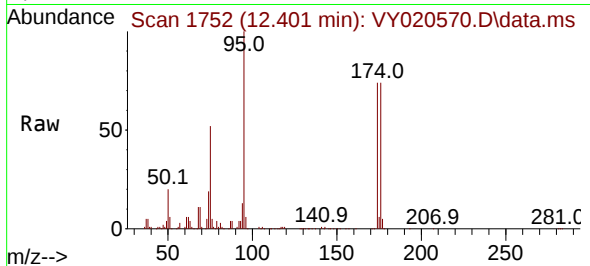




#62
4-Bromofluorobenzene
Concen: 45.889 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

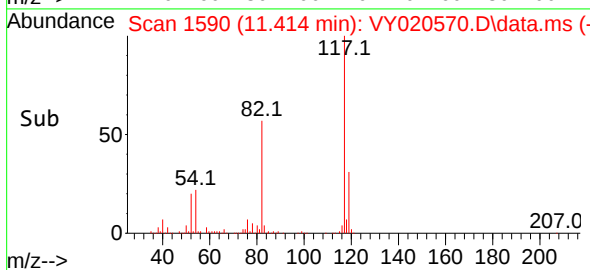
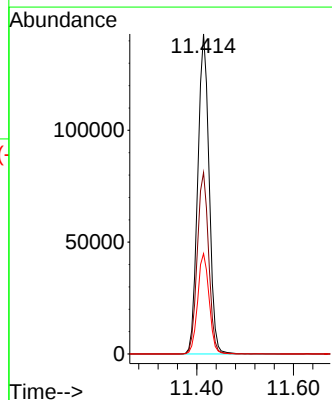
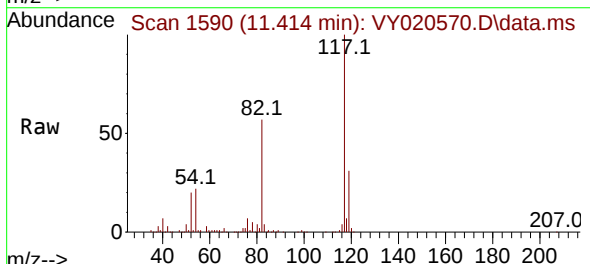
Instrument :
MSVOA_Y
ClientSampleId :

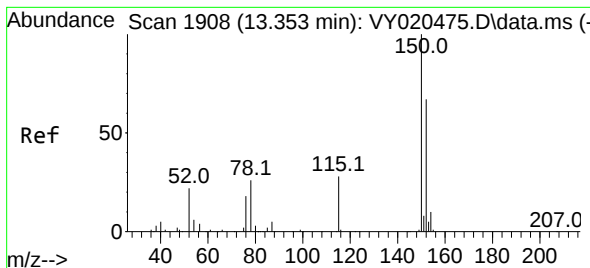
Tgt Ion: 95 Resp: 103274
Ion Ratio Lower Upper
95 100
174 80.6 0.0 156.8
176 78.1 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.012 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

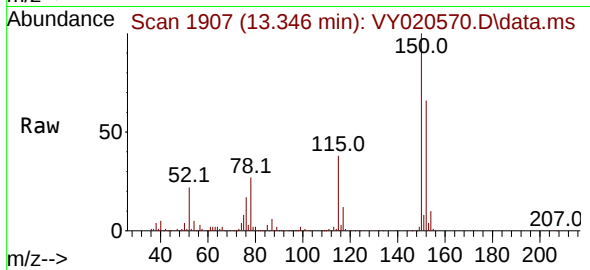
Tgt Ion: 117 Resp: 232645
Ion Ratio Lower Upper
117 100
82 56.7 48.2 72.4
119 31.3 25.8 38.8



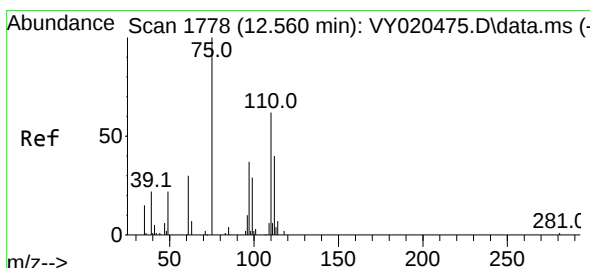
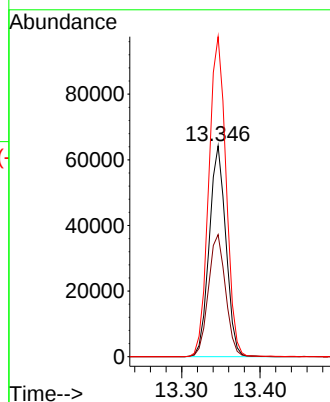
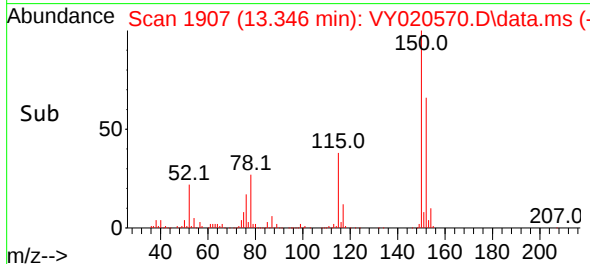


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

Instrument :
MSVOA_Y
ClientSampleId :

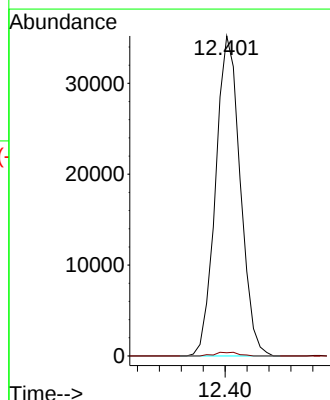
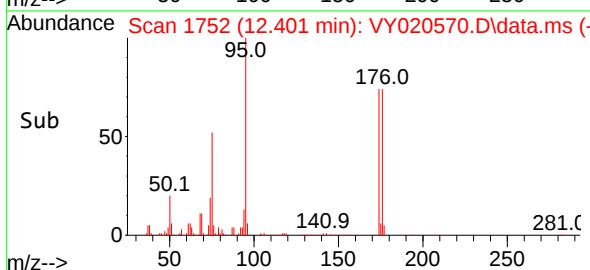
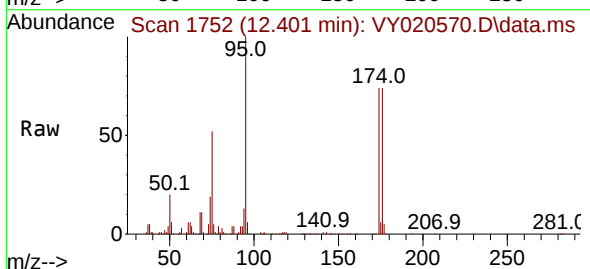


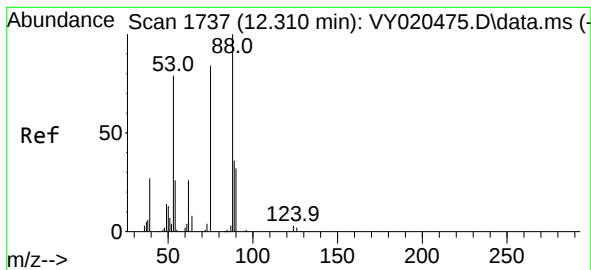
Tgt Ion:152 Resp: 94757
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 157.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 56.916 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY020570.D
Acq: 10 Dec 2024 15:47

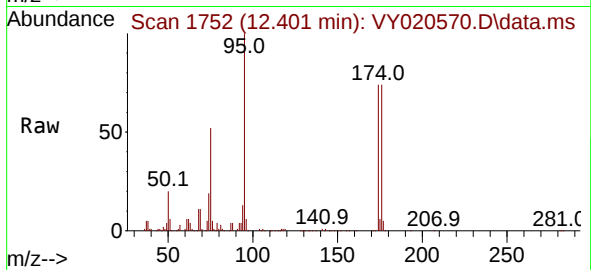
Tgt Ion: 75 Resp: 54940
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.784 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.091 min
 Lab File: VY020570.D
 Acq: 10 Dec 2024 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 54940
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.1 121.7#
 89 0.0 35.1 52.7#

