

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112724\
 Data File : VY020463.D
 Acq On : 27 Nov 2024 16:37
 Operator : SY/MD
 Sample : P5025-04
 Misc : 7.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 01:01:36 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)

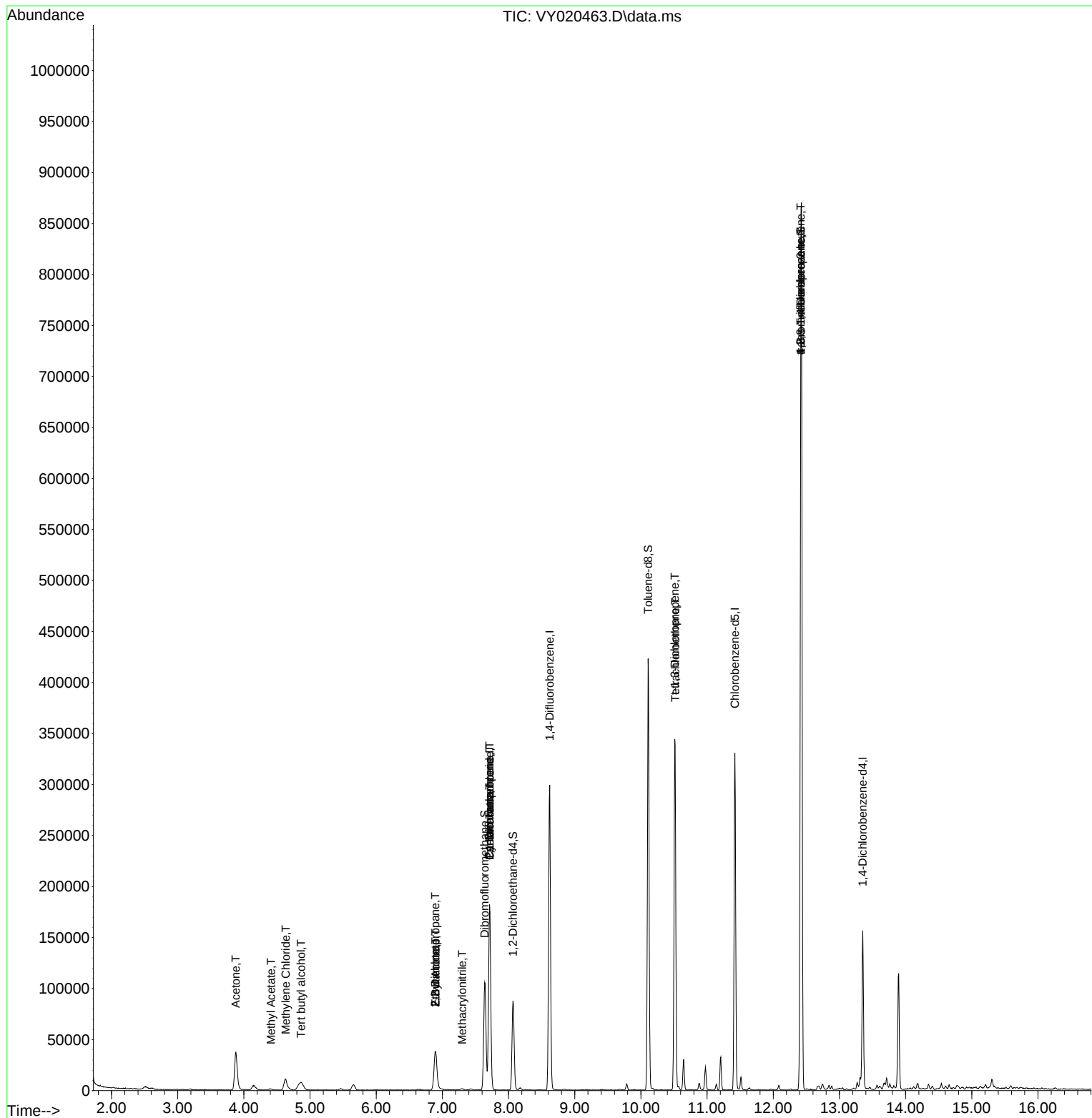
Internal Standards						
1) Pentafluorobenzene	7.713	168	135248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	246776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	168500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	36088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	73720	47.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.880%
35) Dibromofluoromethane	7.640	113	75186	47.514	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.020%
50) Toluene-d8	10.109	98	269327	43.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.420%
62) 4-Bromofluorobenzene	12.413	95	56733	28.312	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	56.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.086	50	289	Below Cal	#	41
11) Tert butyl alcohol	4.866	59	17102	144.291	ug/l #	94
16) Acetone	3.878	43	69868	187.564	ug/l	95
18) Methyl Acetate	4.409	43	2535	2.919	ug/l	97
20) Methylene Chloride	4.634	84	7785	4.935	ug/l #	88
25) 2-Butanone	6.896	43	2715	5.661	ug/l #	65
26) 2,2-Dichloropropane	6.890	77	3127	1.192	ug/l #	54
31) Cyclohexane	7.713	56	3170	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	12027	4.976	ug/l #	52
37) Ethyl Acetate	6.896	43	2715	2.452	ug/l #	4
38) Carbon Tetrachloride	7.713	117	14692	5.822	ug/l #	15
41) Methacrylonitrile	7.298	41	658	1.045	ug/l #	46
53) t-1,3-Dichloropropene	10.511	75	4772	2.111	ug/l #	64
64) Tetrachloroethene	10.517	164	1221	1.005	ug/l #	27
76) 1,2,3-Trichloropropane	12.413	75	38200	112.307	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	38200	220.060	ug/l #	12

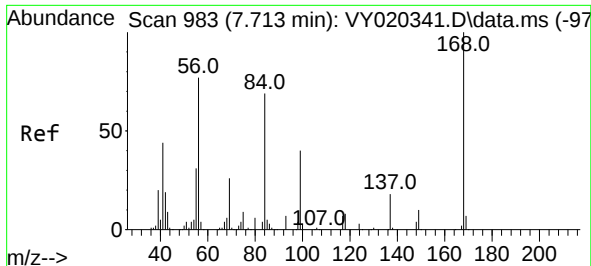
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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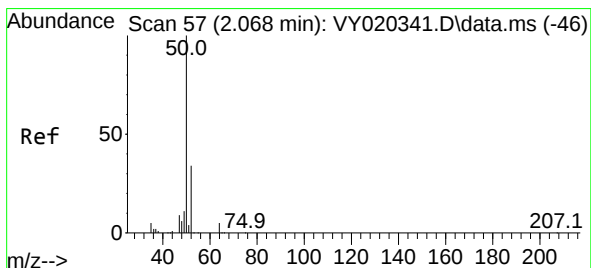
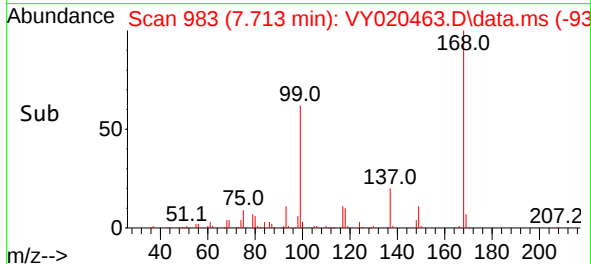
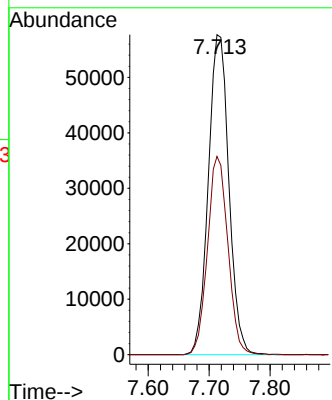
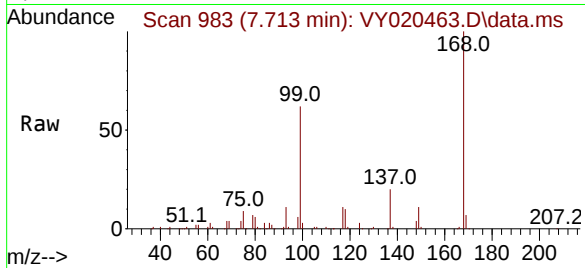




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

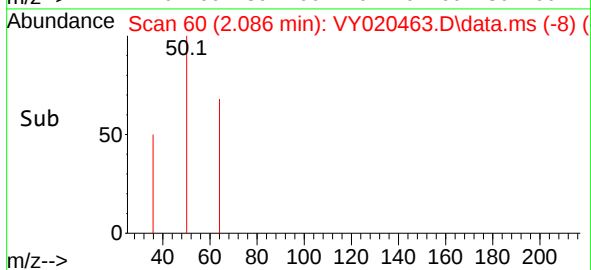
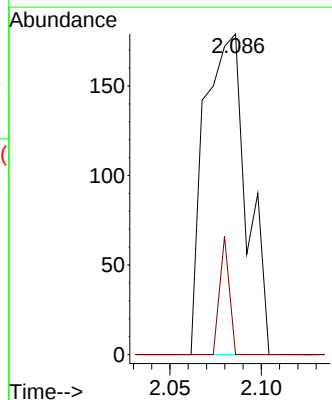
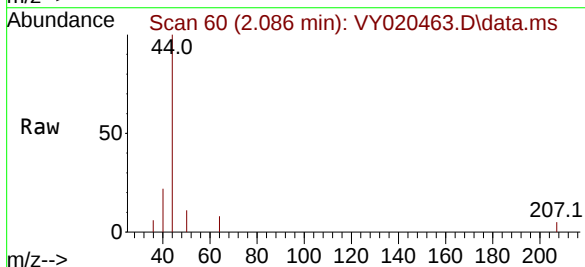
Instrument :
MSVOA_Y
ClientSampleId :

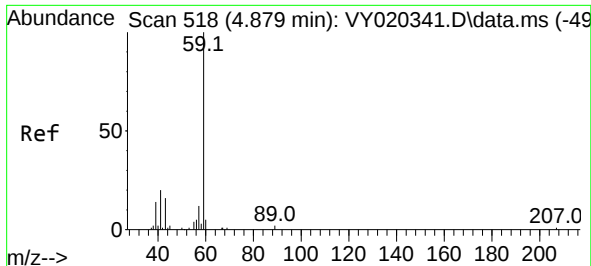
Tgt Ion:168 Resp: 135248
Ion Ratio Lower Upper
168 100
99 62.0 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.086 min Scan# 60
Delta R.T. 0.018 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

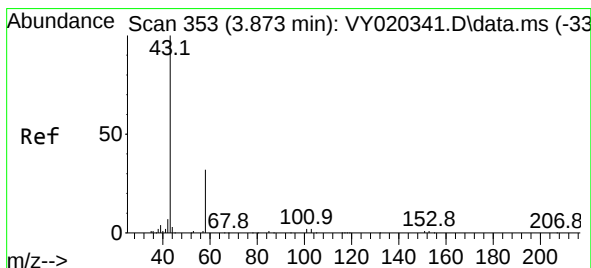
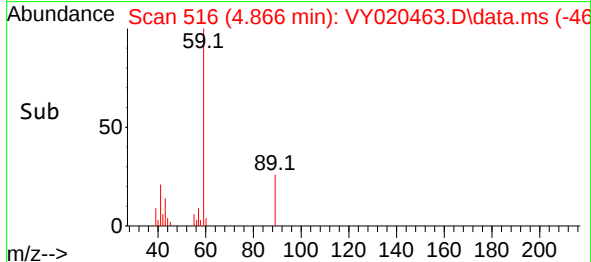
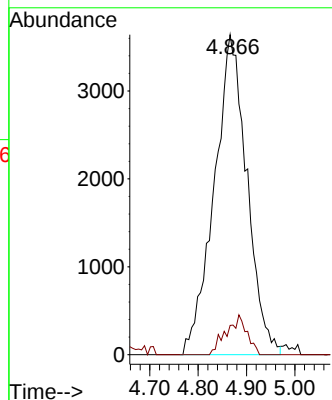
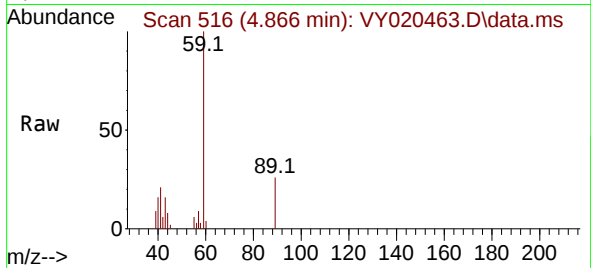




#11
Tert butyl alcohol
Concen: 144.291 ug/l
RT: 4.866 min Scan# 518
Delta R.T. -0.013 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

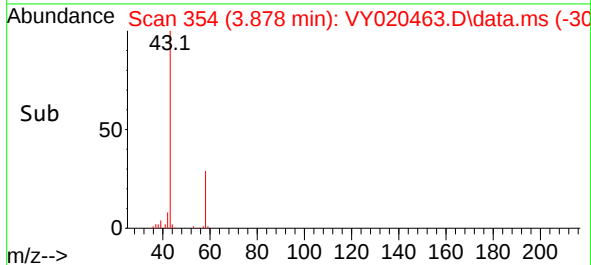
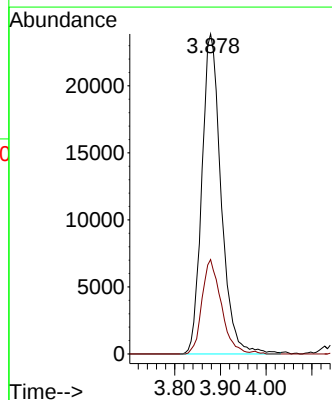
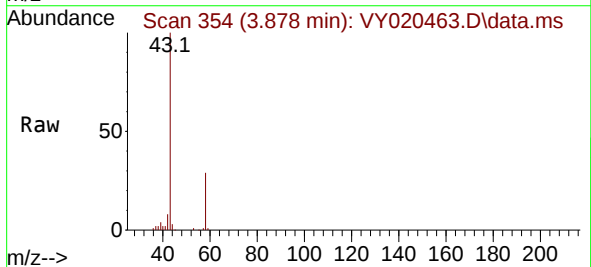
Instrument :
MSVOA_Y
ClientSampleId :

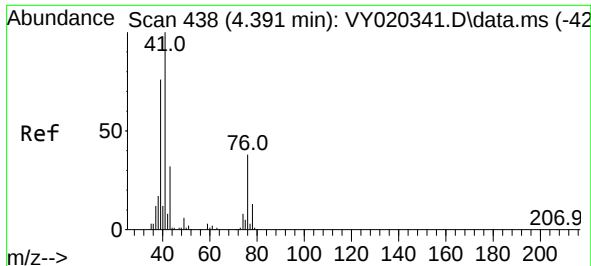
Tgt Ion: 59 Resp: 17102
Ion Ratio Lower Upper
59 100
57 7.8 8.2 12.2#



#16
Acetone
Concen: 187.564 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Tgt Ion: 43 Resp: 69868
Ion Ratio Lower Upper
43 100
58 29.5 25.7 38.5

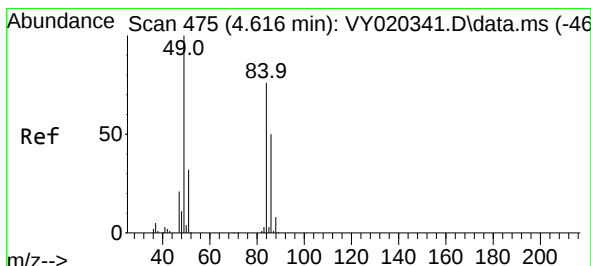
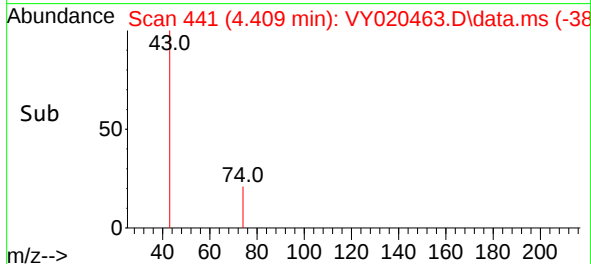
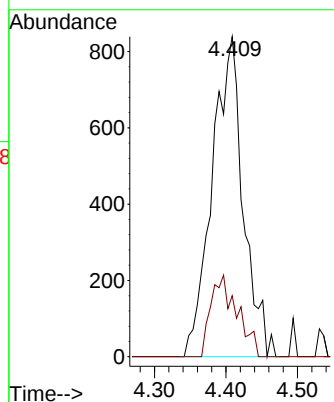
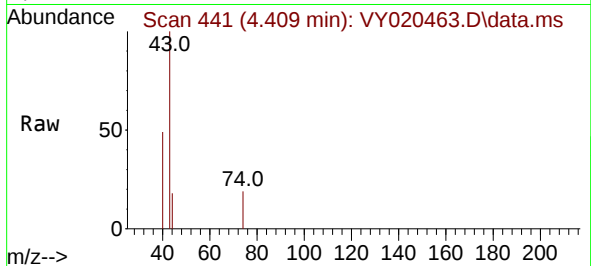




#18
Methyl Acetate
Concen: 2.919 ug/l
RT: 4.409 min Scan# 441
Delta R.T. 0.018 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

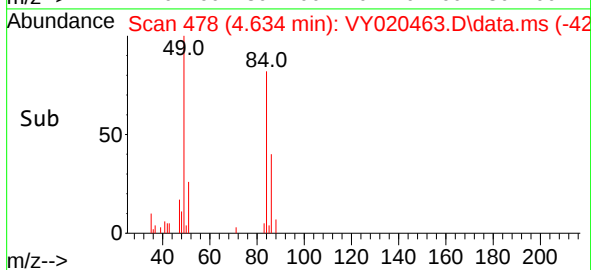
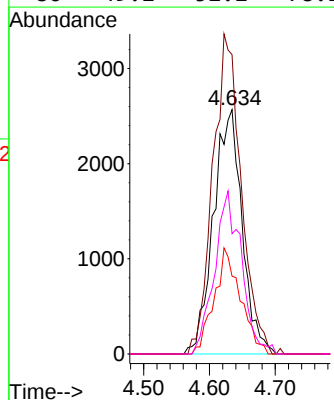
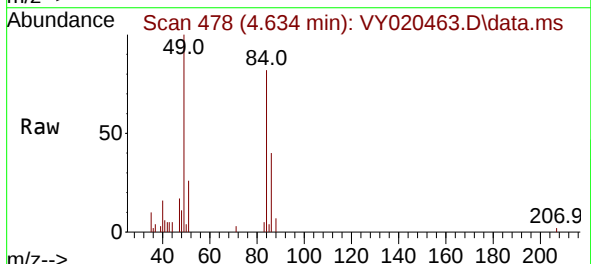
Instrument :
MSVOA_Y
ClientSampleId :

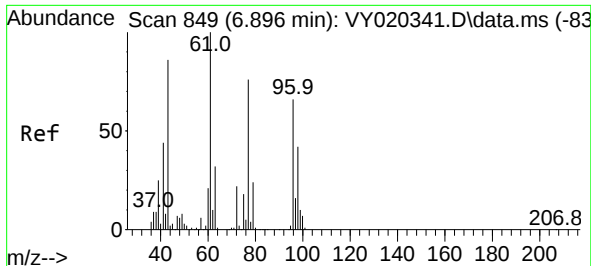
Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
74 21.6 18.6 27.8



#20
Methylene Chloride
Concen: 4.935 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.018 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Tgt Ion: 84 Resp: 7785
Ion Ratio Lower Upper
84 100
49 122.5 104.7 157.1
51 31.8 33.4 50.0#
86 49.2 52.2 78.2#





#25

2-Butanone

Concen: 5.661 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

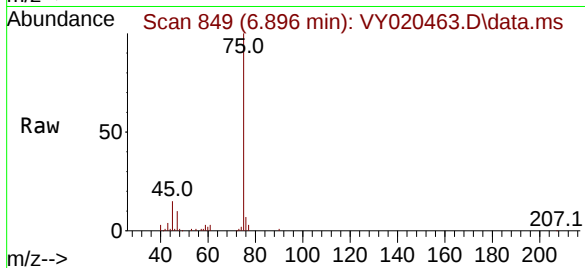
Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

Instrument :

MSVOA_Y

ClientSampleId :

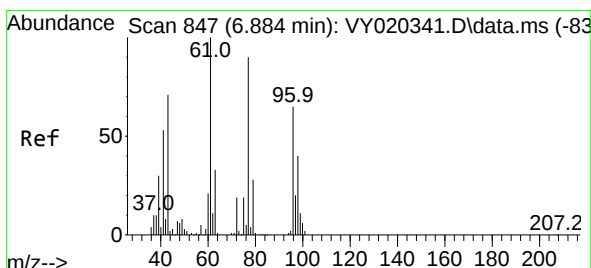
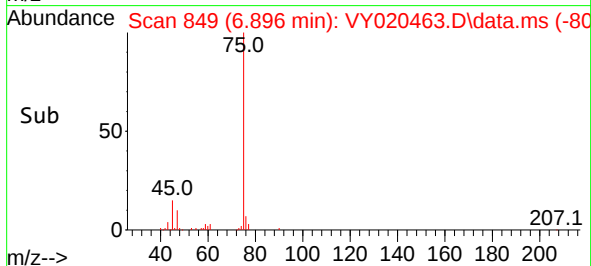
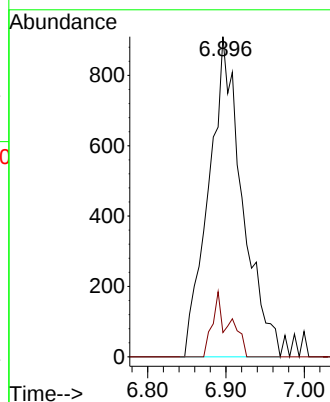


Tgt Ion: 43 Resp: 2715

Ion Ratio Lower Upper

43 100

72 7.6 20.4 30.6#



#26

2,2-Dichloropropane

Concen: 1.192 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY020463.D

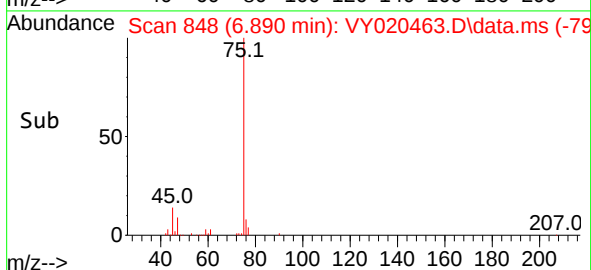
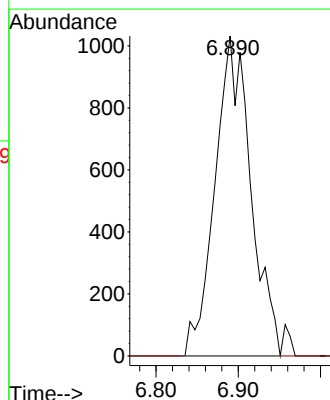
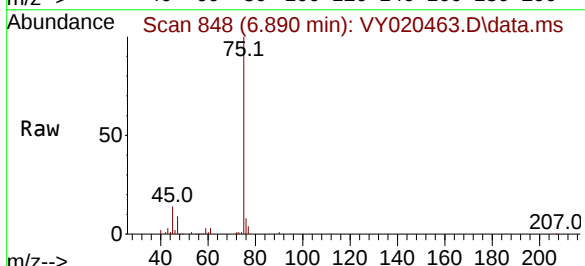
Acq: 27 Nov 2024 16:37

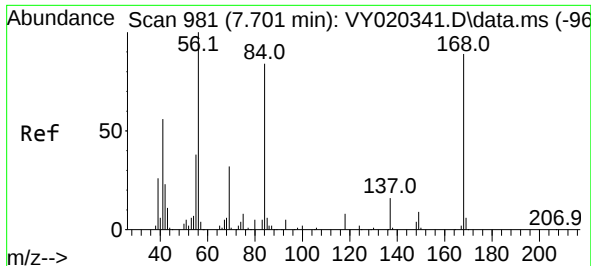
Tgt Ion: 77 Resp: 3127

Ion Ratio Lower Upper

77 100

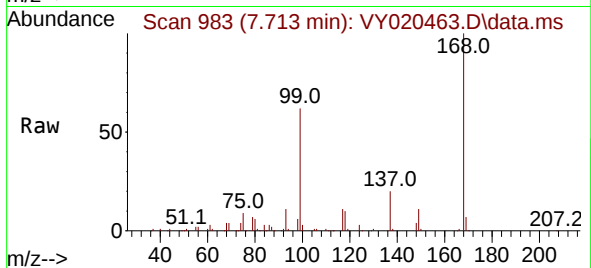
97 0.0 10.9 32.7#



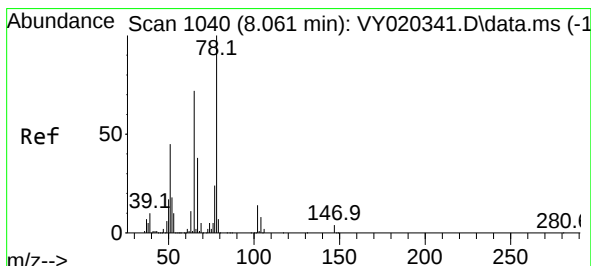
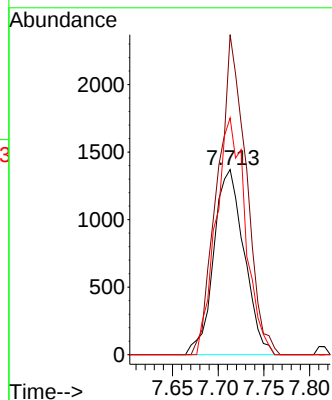
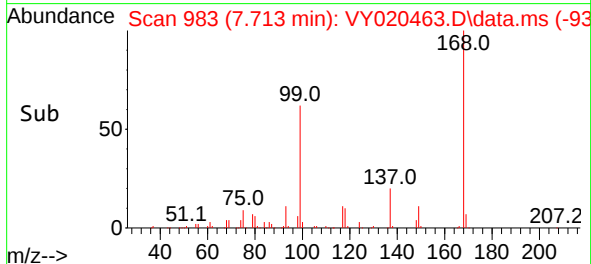


#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

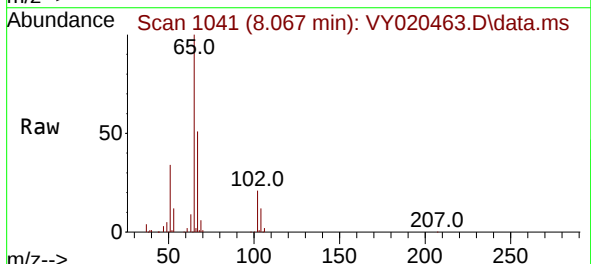
Instrument :
MSVOA_Y
ClientSampleId :



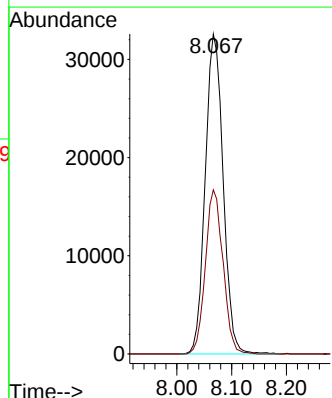
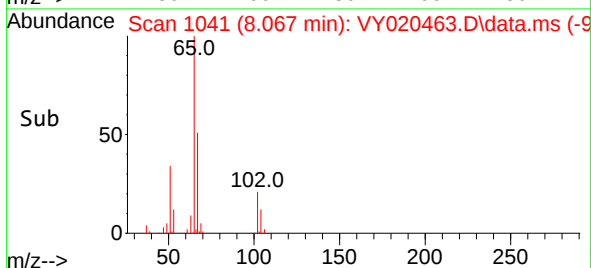
Tgt Ion: 56 Resp: 3170
Ion Ratio Lower Upper
56 100
69 172.9 25.3 37.9#
84 138.7 66.9 100.3#

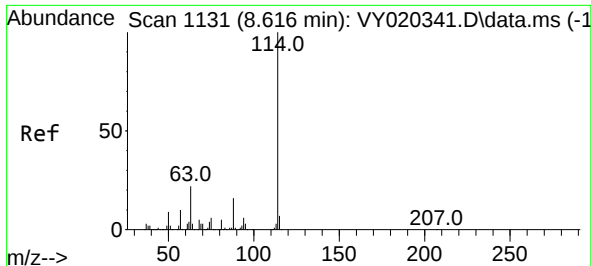


#33
1,2-Dichloroethane-d4
Concen: 47.444 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37



Tgt Ion: 65 Resp: 73720
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

Instrument :

MSVOA_Y

ClientSampleId :

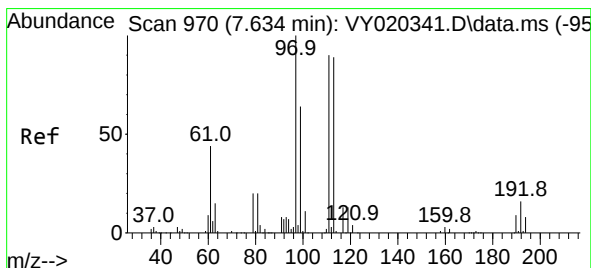
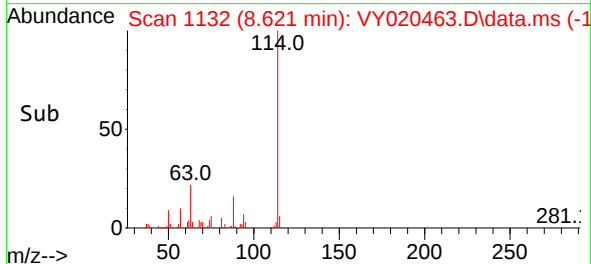
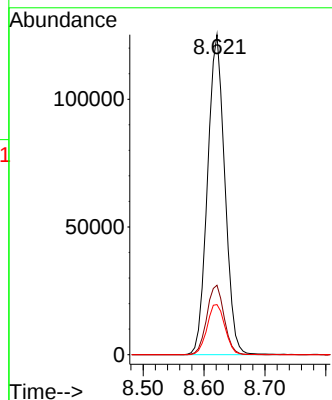
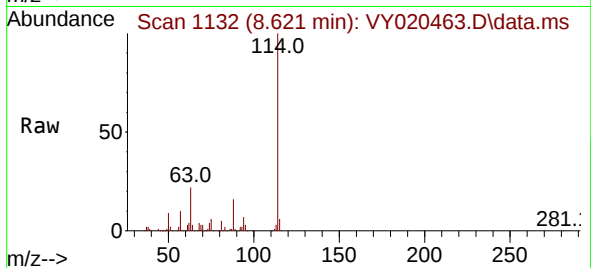
Tgt Ion:114 Resp: 246776

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.8

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.514 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

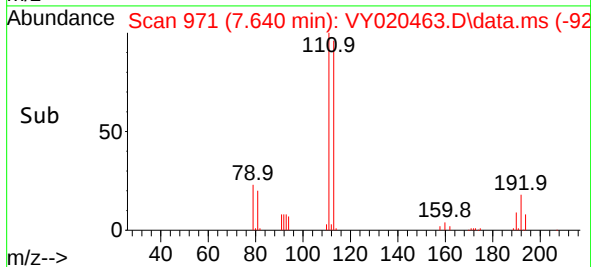
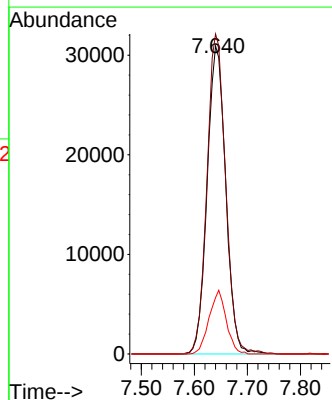
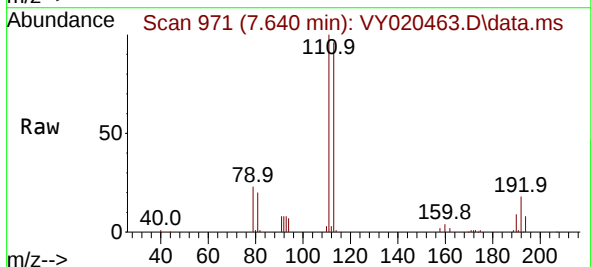
Tgt Ion:113 Resp: 75186

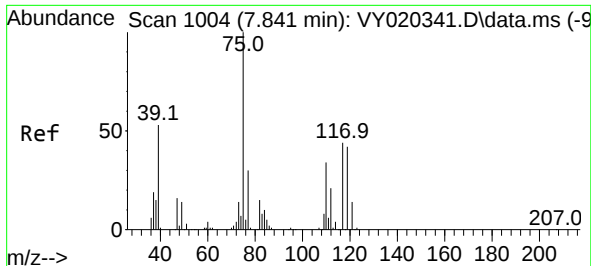
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 19.2 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

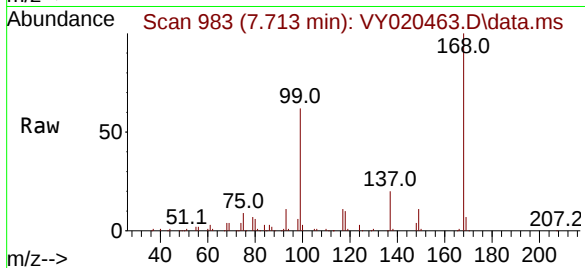
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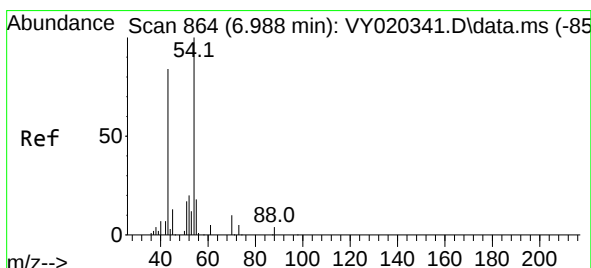
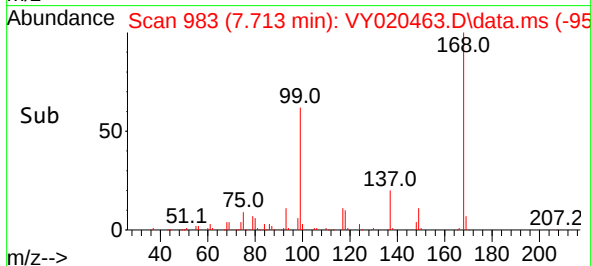
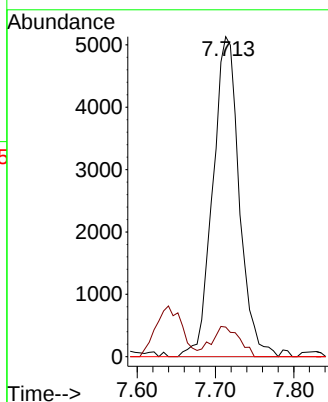
Tgt Ion: 75 Resp: 12027

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.0#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 2.452 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.092 min

Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

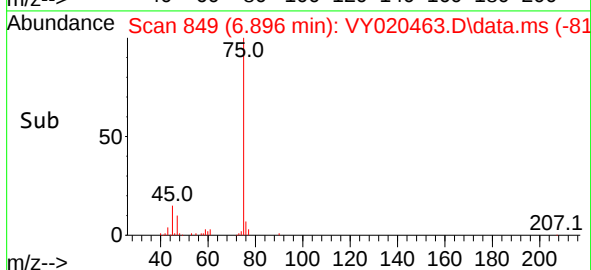
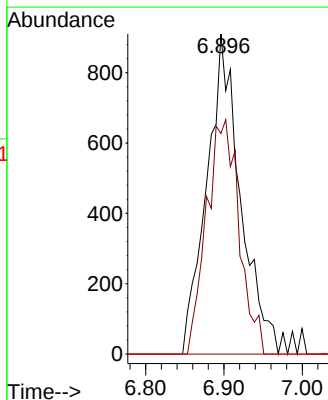
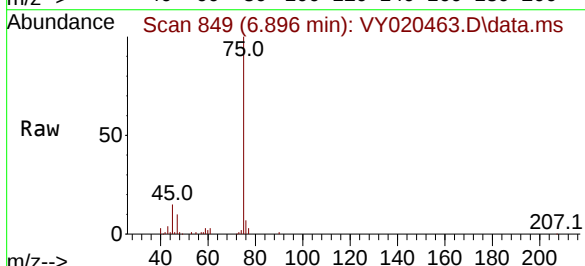
Tgt Ion: 43 Resp: 2715

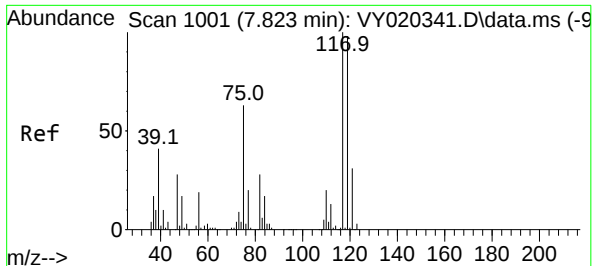
Ion Ratio Lower Upper

43 100

61 71.2 10.7 16.1#

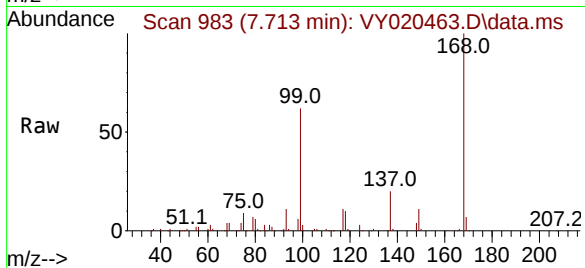
70 0.0 7.3 10.9#



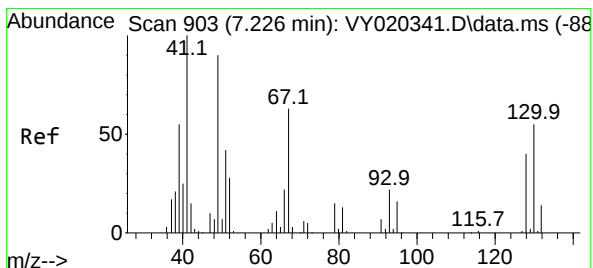
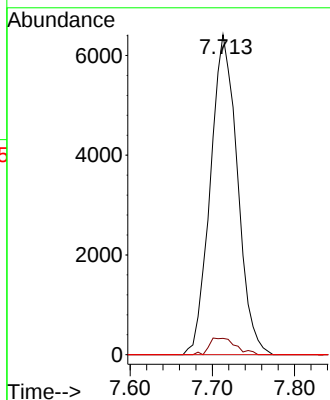
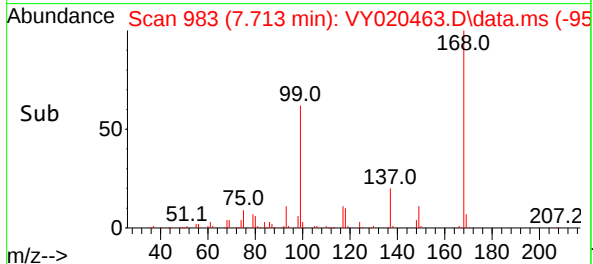


#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 7.713 min Scan# 915
Delta R.T. -0.110 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Instrument :
MSVOA_Y
ClientSampleId :

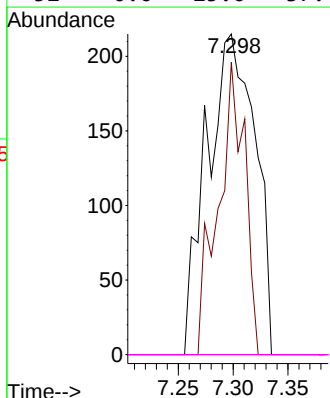
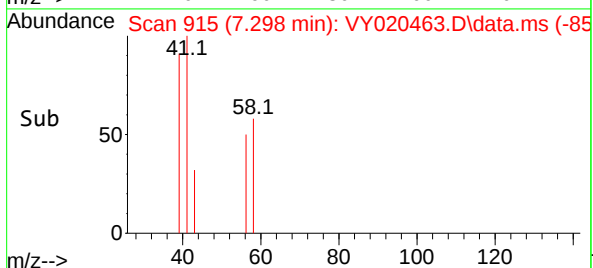
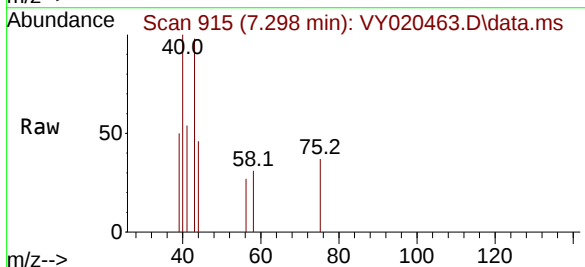


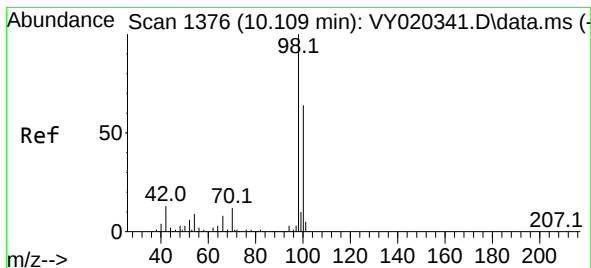
Tgt Ion:117 Resp: 14692
Ion Ratio Lower Upper
117 100
119 5.1 77.8 116.6#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.045 ug/l
RT: 7.298 min Scan# 915
Delta R.T. 0.073 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Tgt Ion: 41 Resp: 658
Ion Ratio Lower Upper
41 100
39 50.5 49.0 73.4
67 0.0 57.1 85.7#
52 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 43.207 ug/l

RT: 10.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

Instrument :

MSVOA_Y

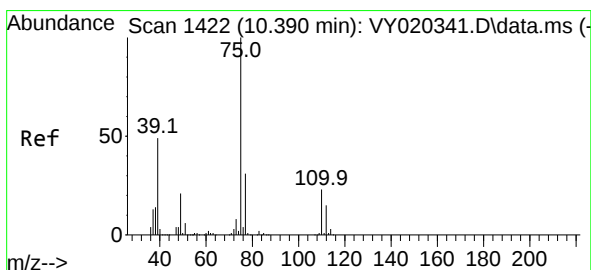
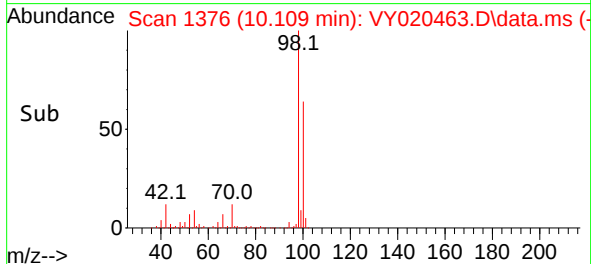
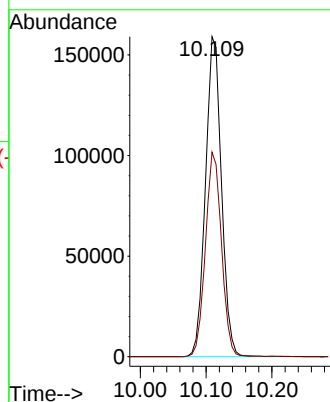
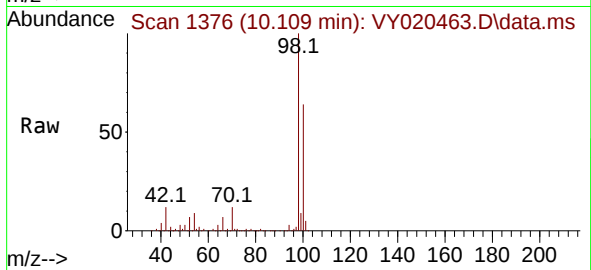
ClientSampleId :

Tgt Ion: 98 Resp: 269327

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9



#53

t-1,3-Dichloropropene

Concen: 2.111 ug/l

RT: 10.511 min Scan# 1442

Delta R.T. 0.121 min

Lab File: VY020463.D

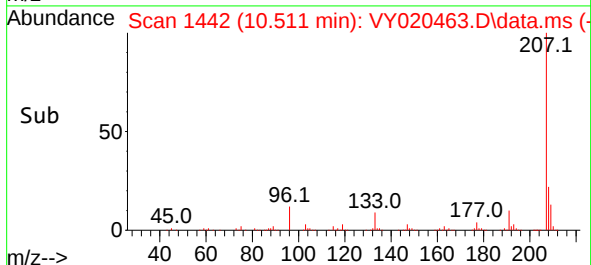
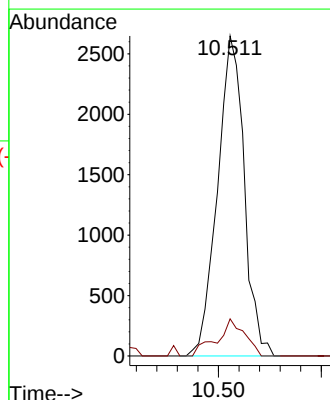
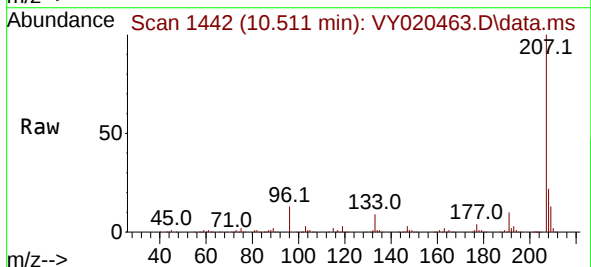
Acq: 27 Nov 2024 16:37

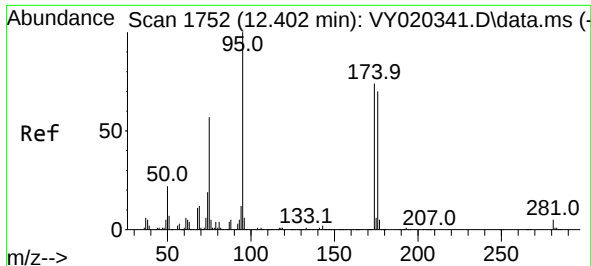
Tgt Ion: 75 Resp: 4772

Ion Ratio Lower Upper

75 100

77 11.6 25.2 37.8#

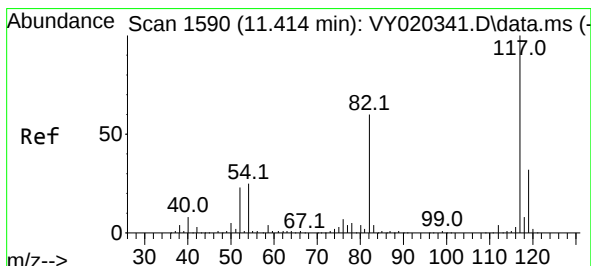
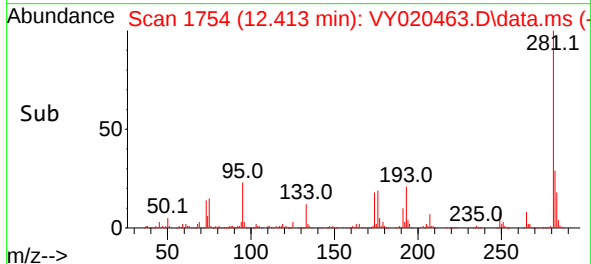
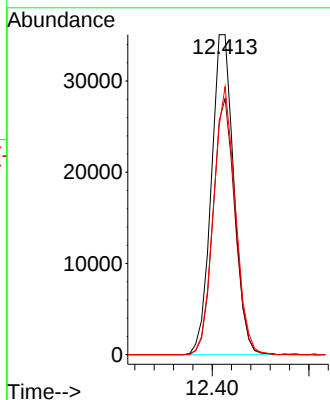
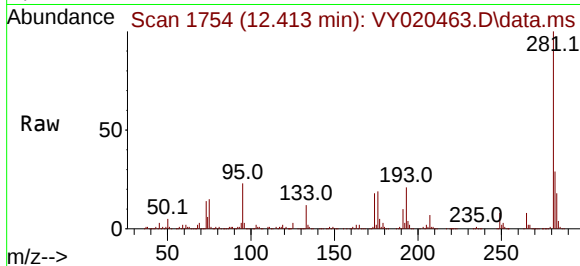




#62
4-Bromofluorobenzene
Concen: 28.312 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

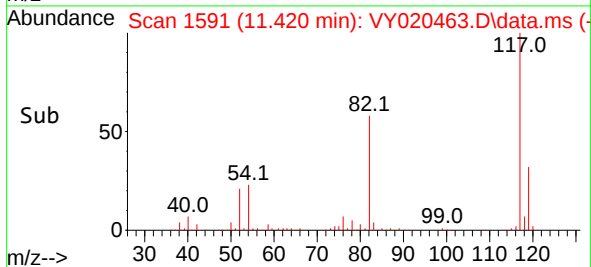
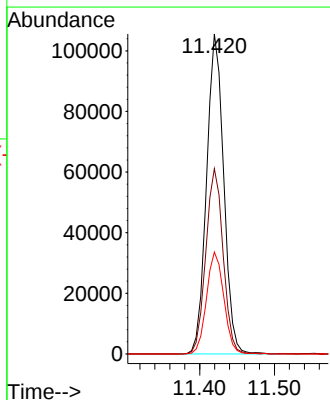
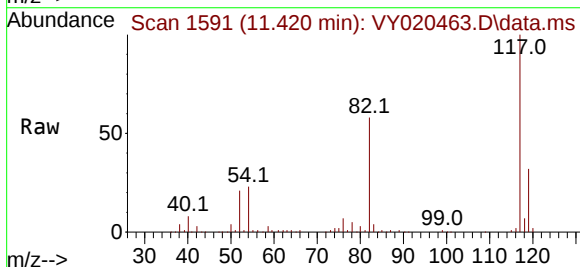
Instrument :
MSVOA_Y
ClientSampleId :

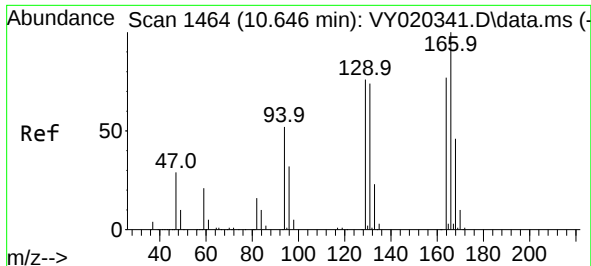
Tgt Ion: 95 Resp: 56733
Ion Ratio Lower Upper
95 100
174 77.5 0.0 156.8
176 81.3 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

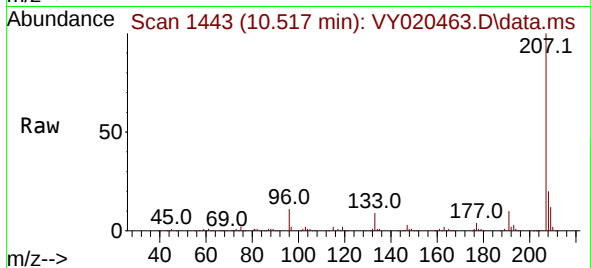
Tgt Ion: 117 Resp: 168500
Ion Ratio Lower Upper
117 100
82 57.9 48.2 72.4
119 31.8 25.8 38.8





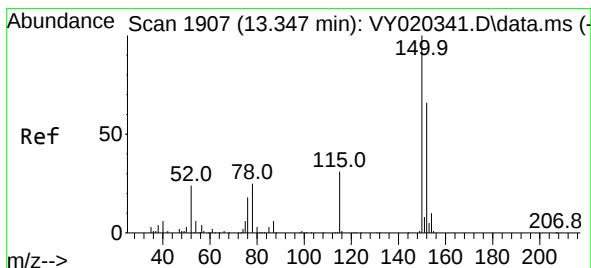
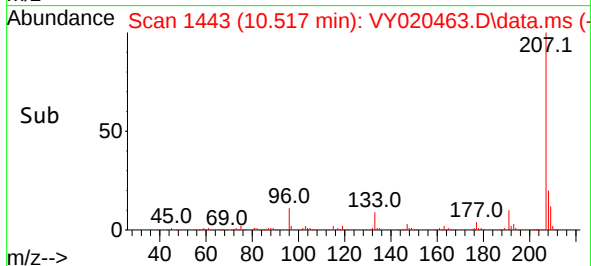
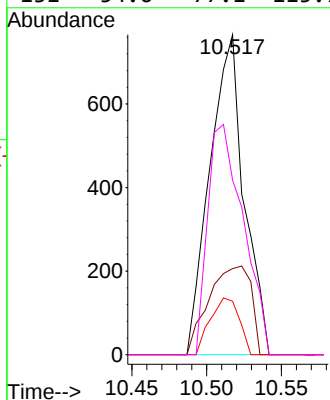
#64
Tetrachloroethene
Concen: 1.005 ug/l
RT: 10.517 min Scan# 1464
Delta R.T. -0.129 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:164 Resp: 1221

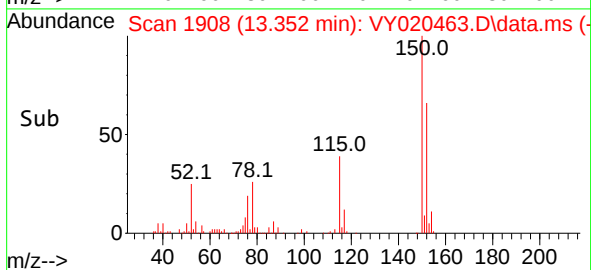
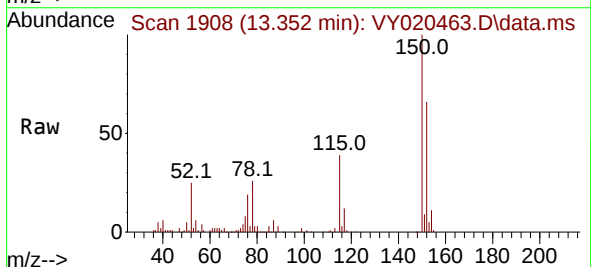
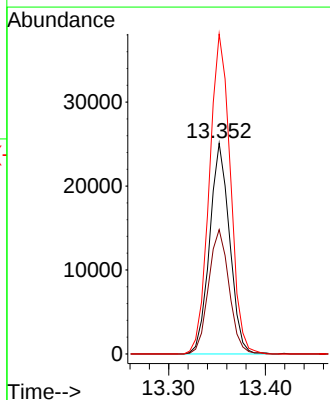
Ion	Ratio	Lower	Upper
164	100		
166	26.9	103.8	155.8#
129	16.7	79.0	118.4#
131	54.6	77.1	115.7#

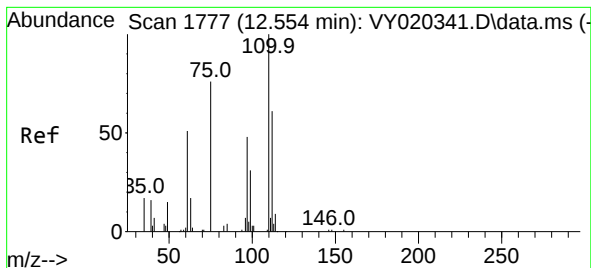


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020463.D
Acq: 27 Nov 2024 16:37

Tgt Ion:152 Resp: 36088

Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.0	90.0
150	159.1	0.0	348.2





#76

1,2,3-Trichloropropane

Concen: 112.307 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. -0.141 min

Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

Instrument :

MSVOA_Y

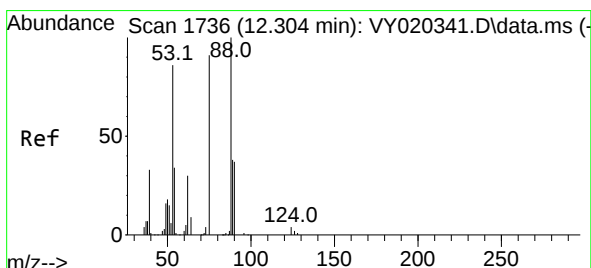
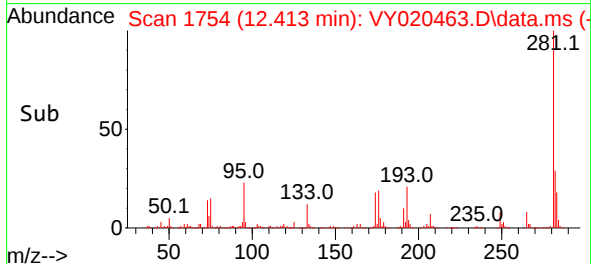
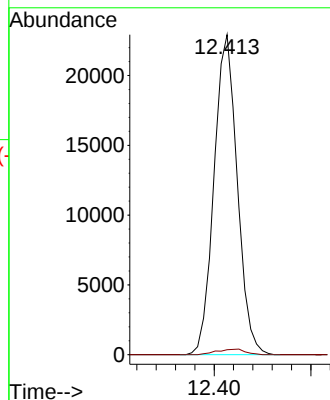
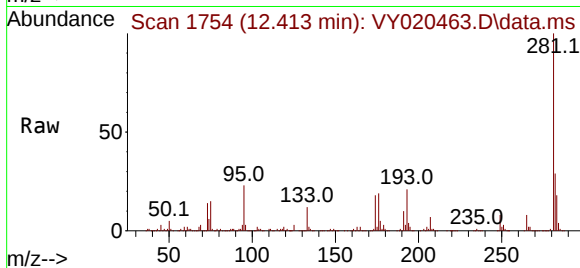
ClientSampleId :

Tgt Ion: 75 Resp: 38200

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 220.060 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. 0.109 min

Lab File: VY020463.D

Acq: 27 Nov 2024 16:37

Tgt Ion: 75 Resp: 38200

Ion Ratio Lower Upper

75 100

53 0.0 81.1 121.7#

89 6.1 35.1 52.7#

