

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
 Data File : VY020244.D
 Acq On : 11 Nov 2024 13:38
 Operator : SY/MD
 Sample : P4768-02
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 11 23:15:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

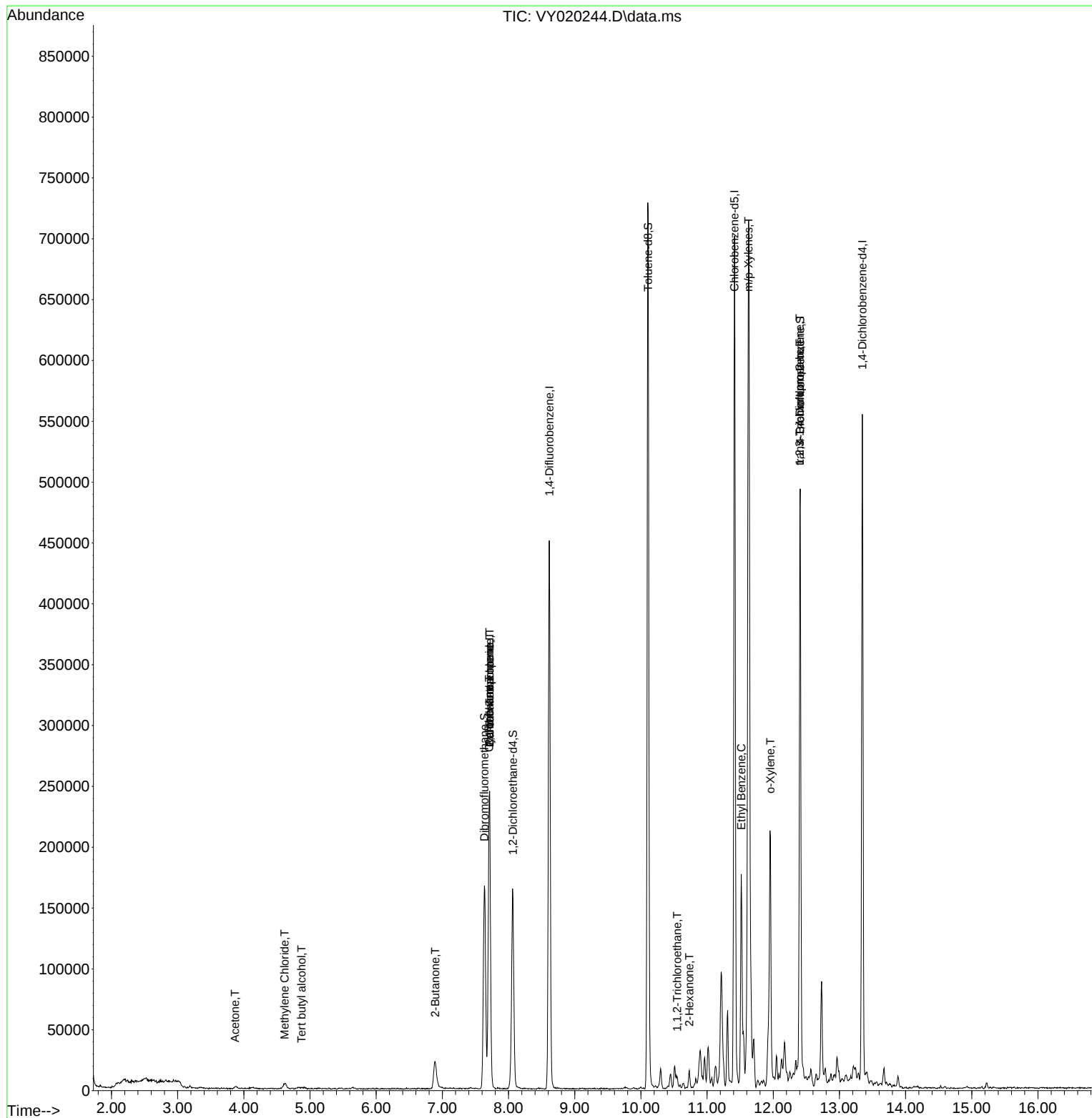
Internal Standards						
1) Pentafluorobenzene	7.713	168	172854	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	359947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	335044	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121963	56.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.060%
35) Dibromofluoromethane	7.634	113	119898	52.391	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.780%
50) Toluene-d8	10.109	98	453772	49.813	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.408	95	141852	47.942	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.880%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.872	59	418	2.694	ug/l	# 88
16) Acetone	3.866	43	1363	2.717	ug/l	88
20) Methylene Chloride	4.616	84	3214	1.426	ug/l	# 88
25) 2-Butanone	6.890	43	1810	2.661	ug/l	# 41
31) Cyclohexane	7.707	56	4904	1.253	ug/l	# 8
36) 1,1-Dichloropropene	7.713	75	17376	4.915	ug/l	# 47
38) Carbon Tetrachloride	7.713	117	19429	5.465	ug/l	# 17
55) 1,1,2-Trichloroethane	10.548	97	3756	2.258	ug/l	# 20
59) 2-Hexanone	10.731	43	5553	4.638	ug/l	# 19
67) Ethyl Benzene	11.517	91	110508	8.281	ug/l	100
68) m/p-Xylenes	11.627	106	182574	37.394	ug/l	94
69) o-Xylene	11.956	106	49716	10.755	ug/l	89
76) 1,2,3-Trichloropropane	12.401	75	82762	74.943	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	82762	161.199	ug/l	# 16

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

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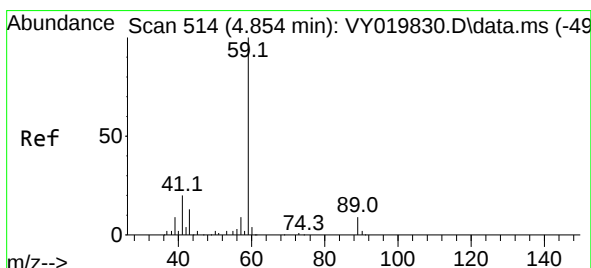
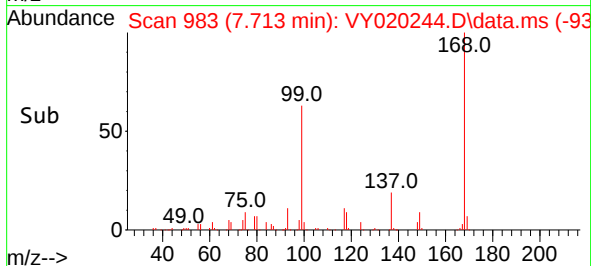
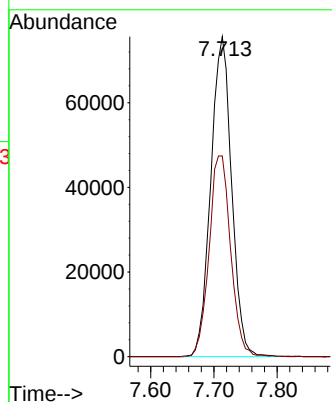
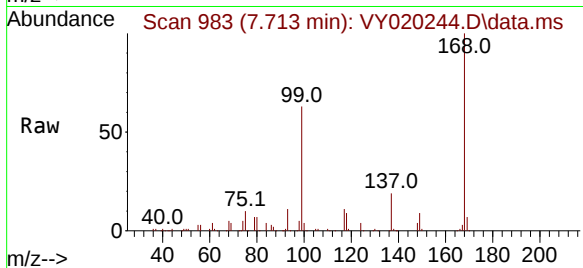




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

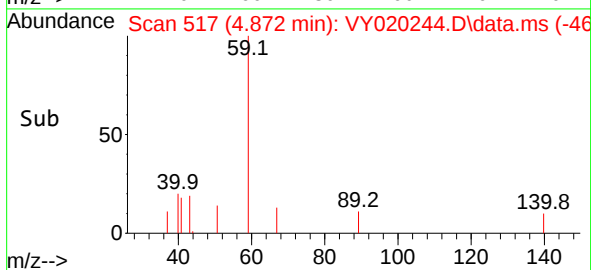
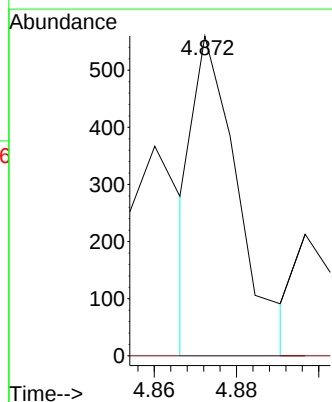
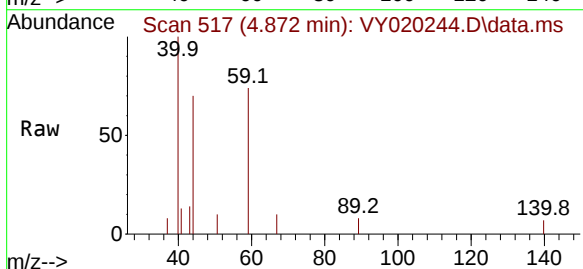
Instrument :
MSVOA_Y
ClientSampleId :

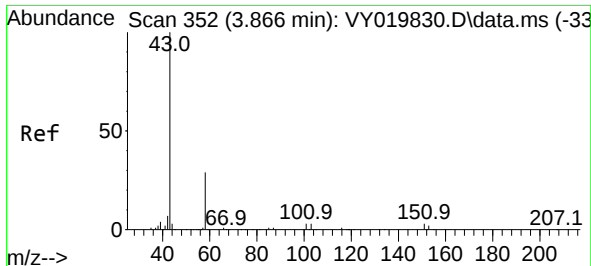
Tgt Ion:168 Resp: 172854
Ion Ratio Lower Upper
168 100
99 62.7 39.1 58.7#



#11
Tert butyl alcohol
Concen: 2.694 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

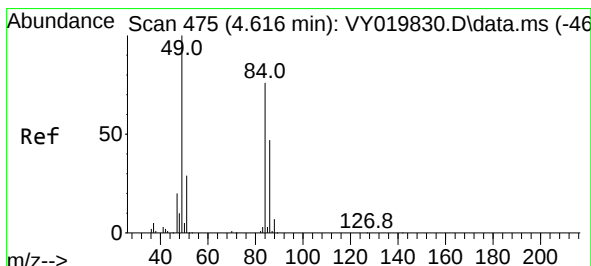
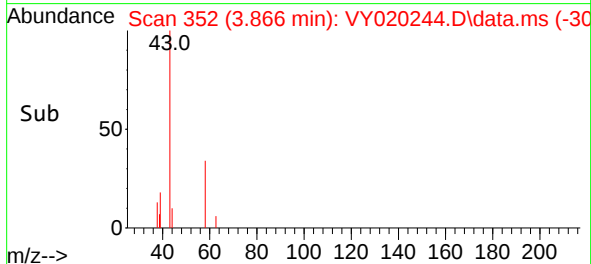
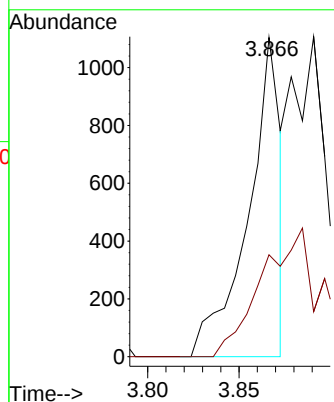
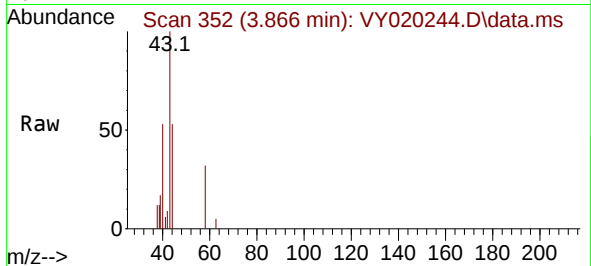




#16
Acetone
Concen: 2.717 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

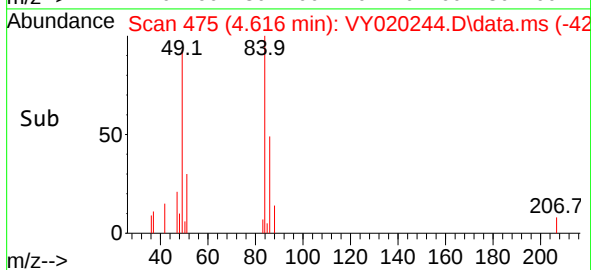
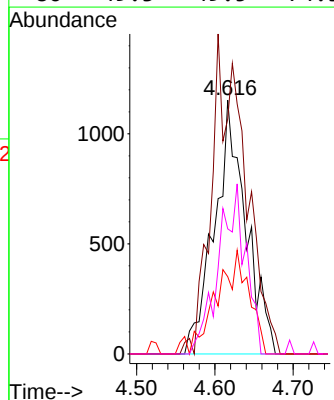
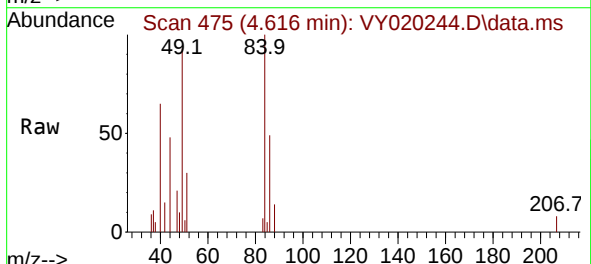
Instrument :
MSVOA_Y
ClientSampleId :

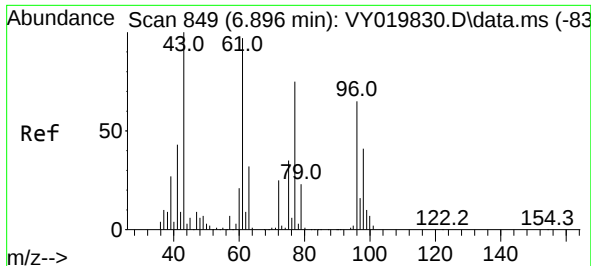
Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
58 32.0 31.7 47.5



#20
Methylene Chloride
Concen: 1.426 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 84 Resp: 3214
Ion Ratio Lower Upper
84 100
49 92.6 84.4 126.6
51 30.4 26.0 39.0
86 49.3 49.5 74.3#





#25

2-Butanone

Concen: 2.661 ug/l

RT: 6.890 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

Instrument :

MSVOA_Y

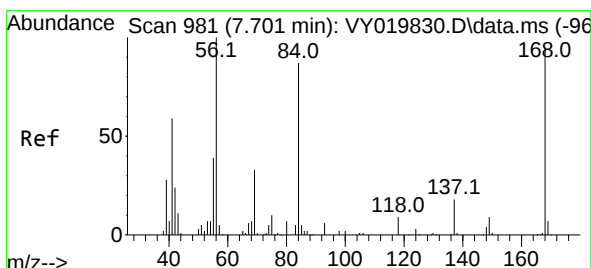
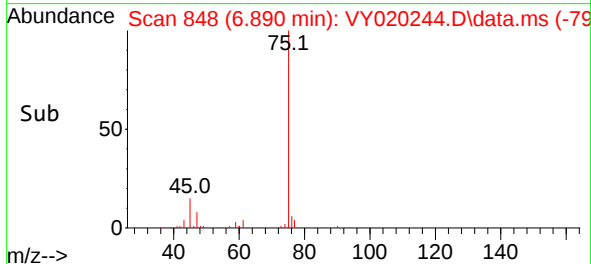
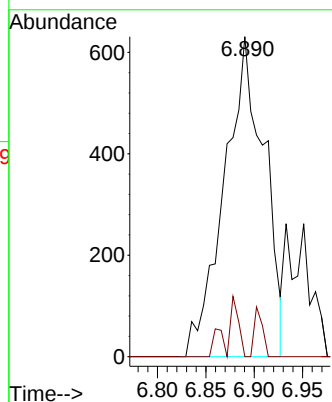
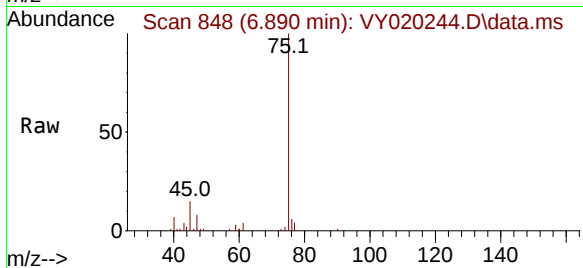
ClientSampleId :

Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

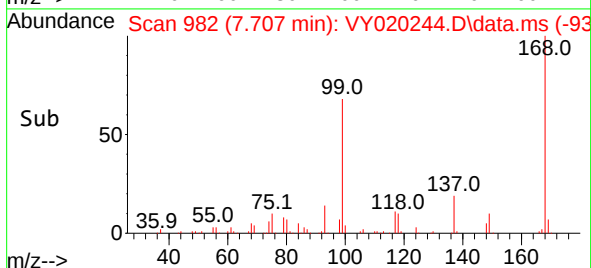
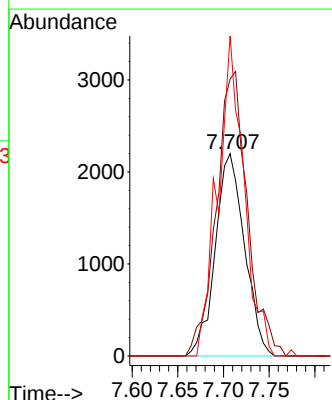
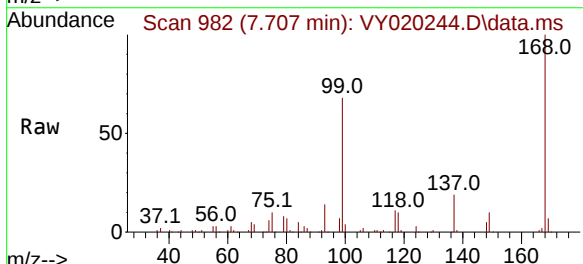
Tgt Ion: 56 Resp: 4904

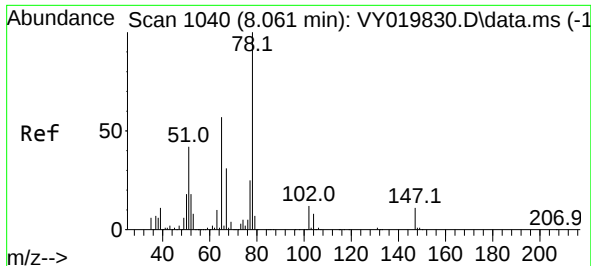
Ion Ratio Lower Upper

56 100

69 137.0 28.7 43.1#

84 158.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.534 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

Instrument :

MSVOA_Y

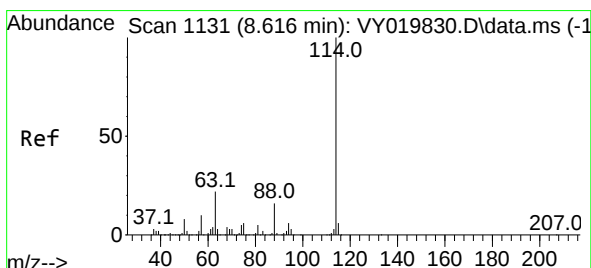
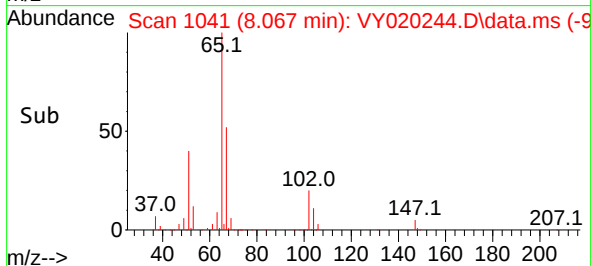
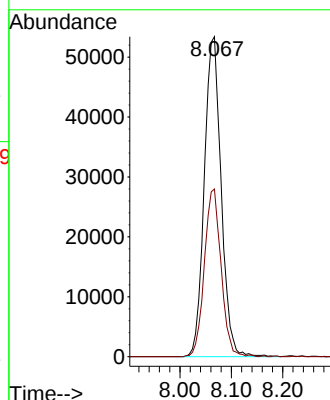
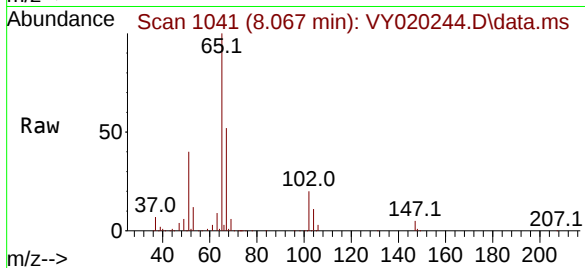
ClientSampleId :

Tgt Ion: 65 Resp: 121963

Ion Ratio Lower Upper

65 100

67 51.9 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: VY020244.D

Acq: 11 Nov 2024 13:38

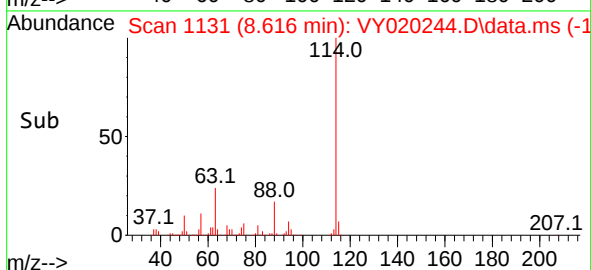
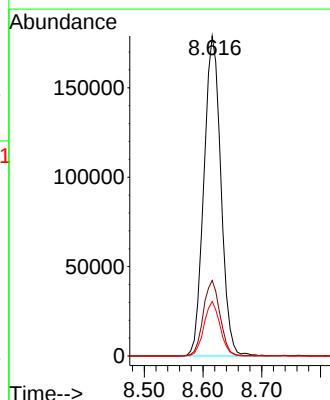
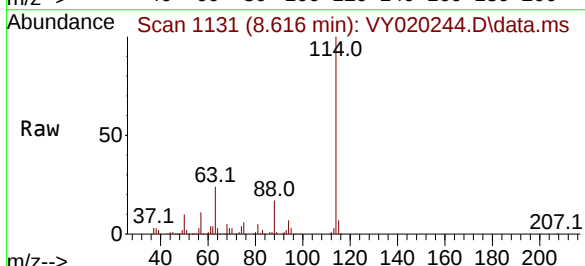
Tgt Ion: 114 Resp: 359947

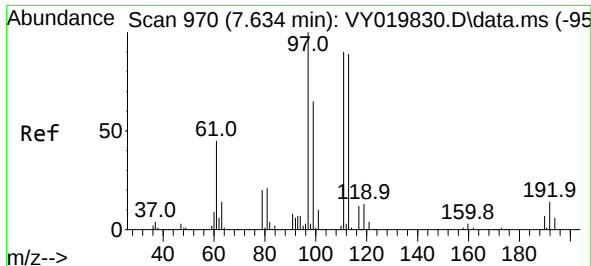
Ion Ratio Lower Upper

114 100

63 23.6 0.0 35.0

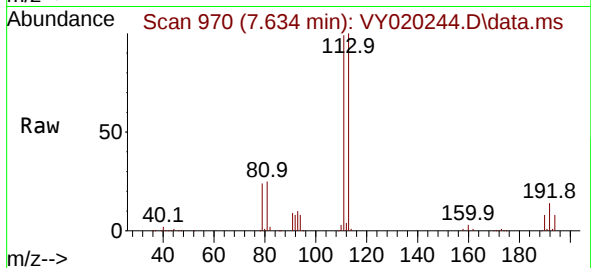
88 17.0 0.0 27.2



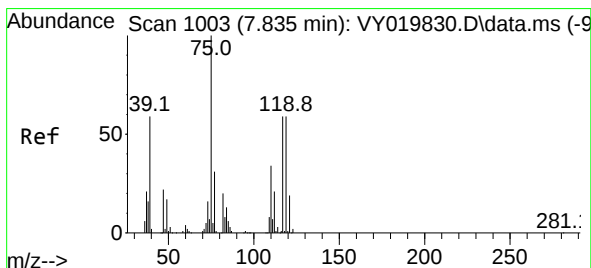
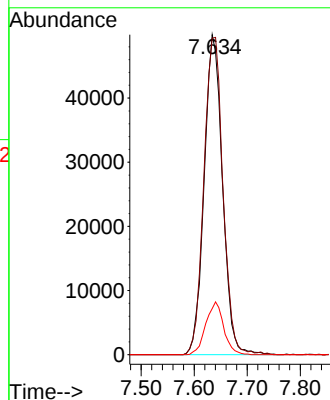
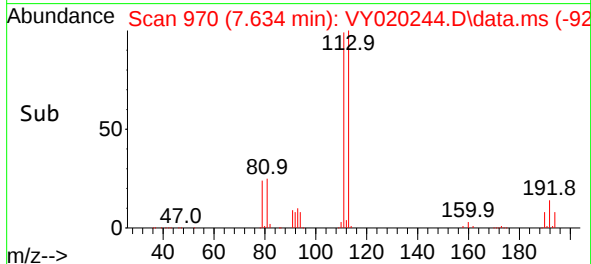


#35
Dibromofluoromethane
Concen: 52.391 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

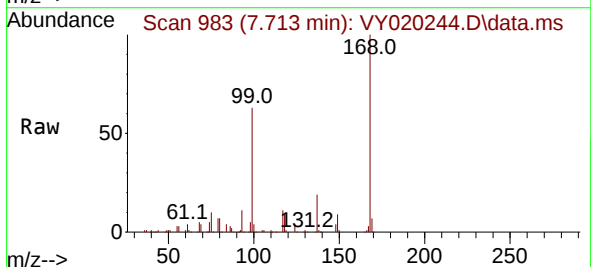
Instrument :
MSVOA_Y
ClientSampleId :



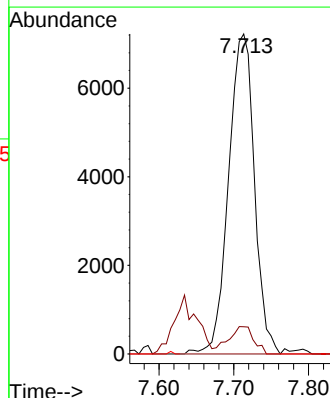
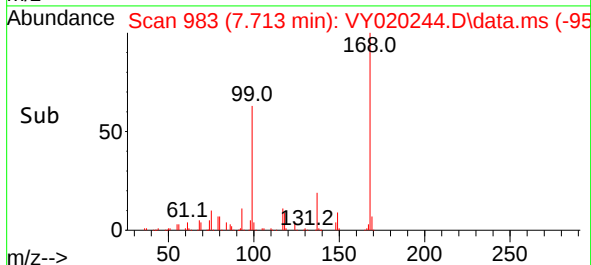
Tgt Ion:113 Resp: 119898
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 16.1 15.9 23.9

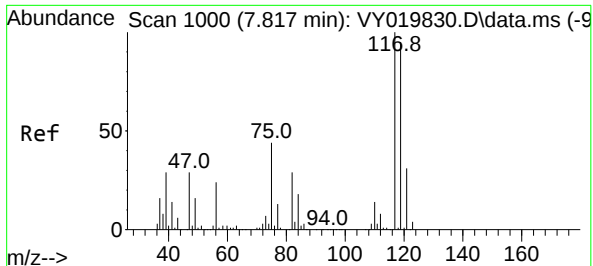


#36
1,1-Dichloropropene
Concen: 4.915 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38



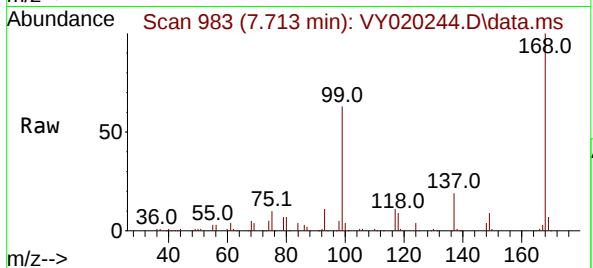
Tgt Ion: 75 Resp: 17376
Ion Ratio Lower Upper
75 100
110 8.1 19.0 57.0#
77 0.0 25.3 37.9#



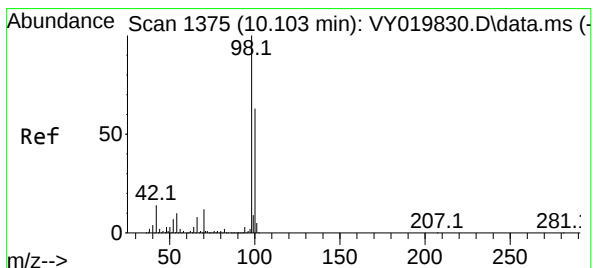
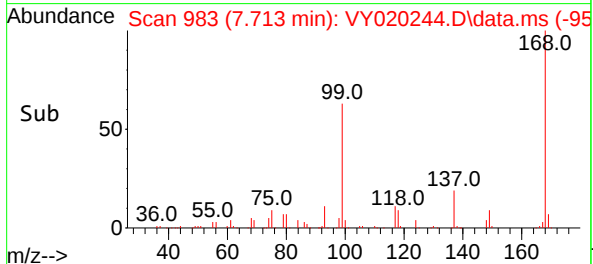
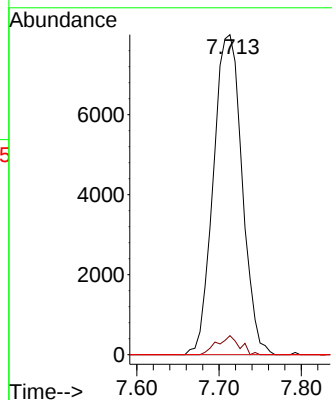


#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :

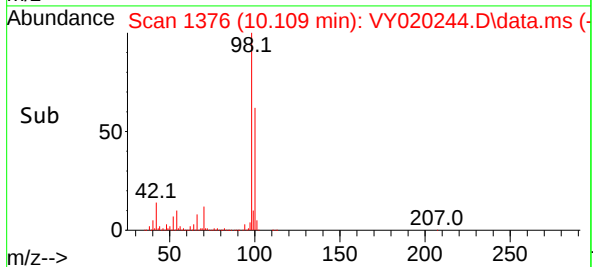
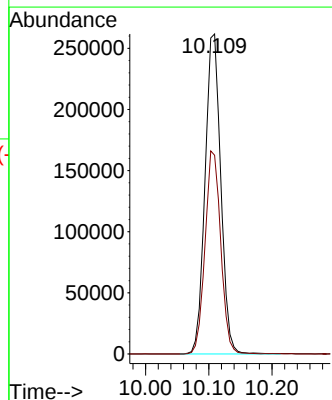
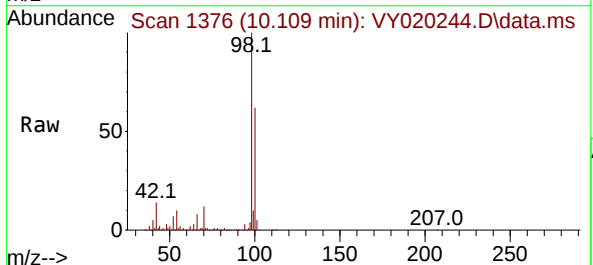


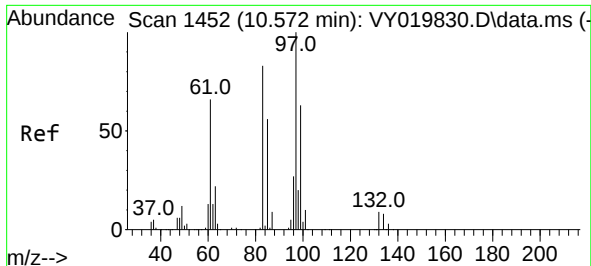
Tgt Ion:117 Resp: 19429
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.813 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

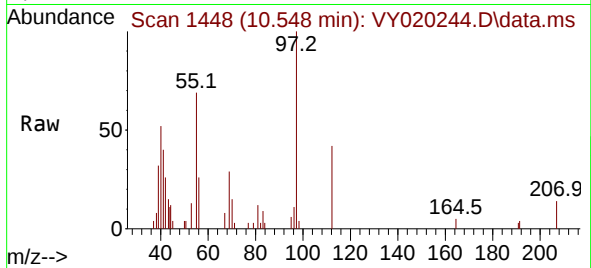
Tgt Ion: 98 Resp: 453772
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



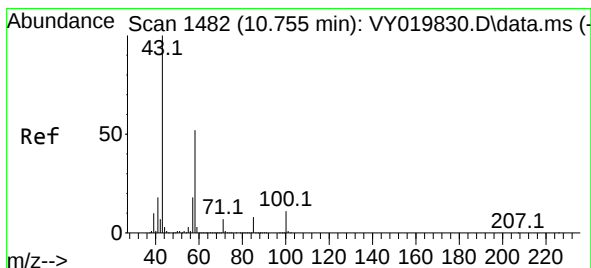
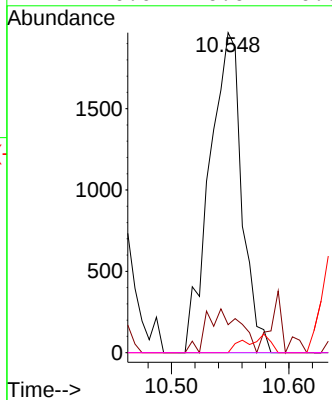
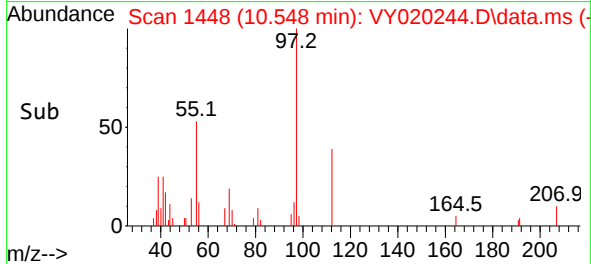


#55
1,1,2-Trichloroethane
Concen: 2.258 ug/l
RT: 10.548 min Scan# 1452
Delta R.T. -0.024 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :

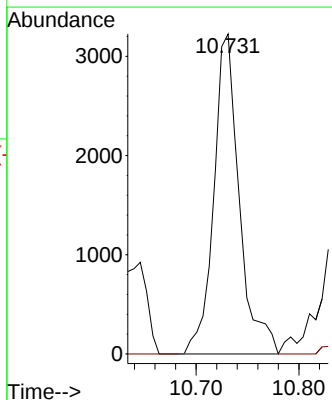
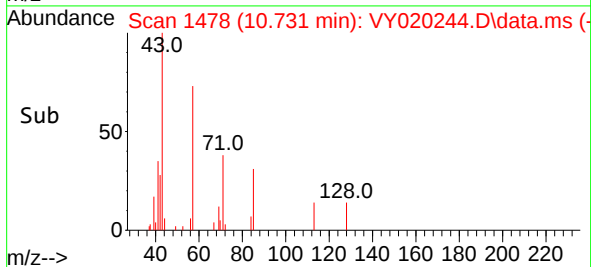
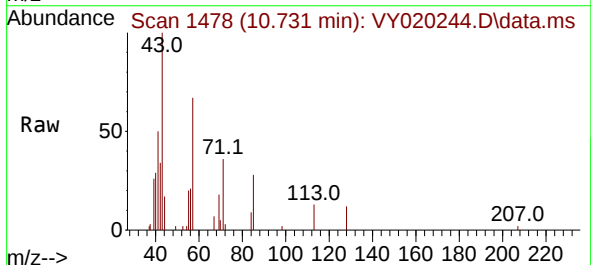


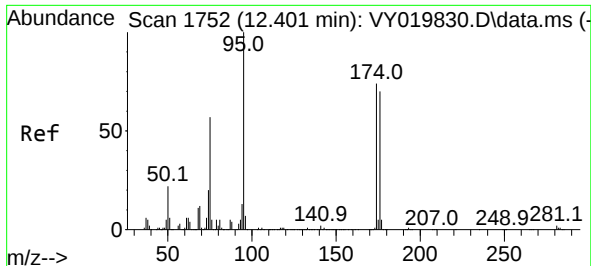
Tgt Ion: 97 Resp: 3756
Ion Ratio Lower Upper
97 100
83 8.7 67.5 101.3#
85 0.0 42.9 64.3#
99 0.0 46.6 70.0#



#59
2-Hexanone
Concen: 4.638 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 43 Resp: 5553
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

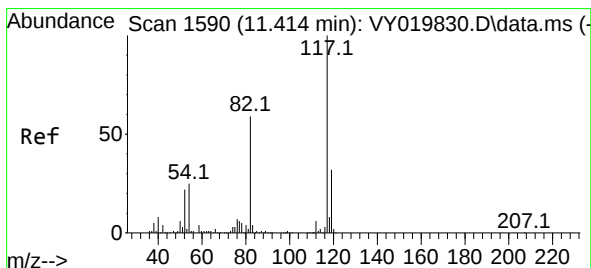
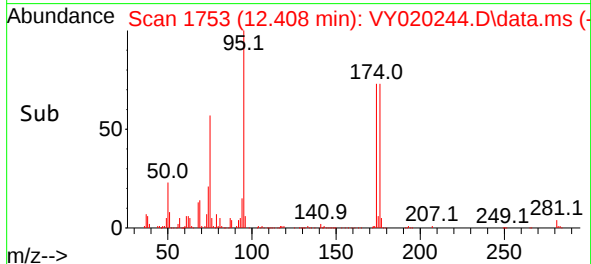
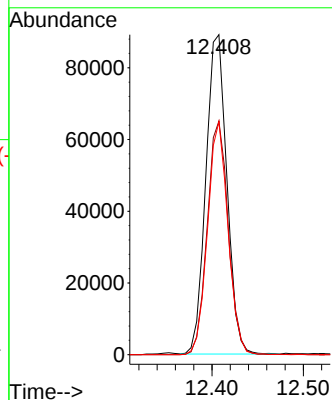
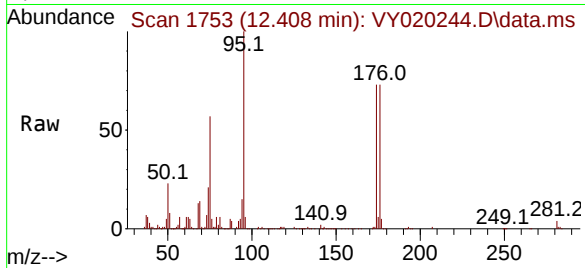




#62
4-Bromofluorobenzene
Concen: 47.942 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

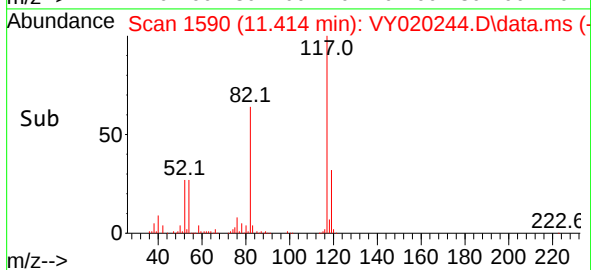
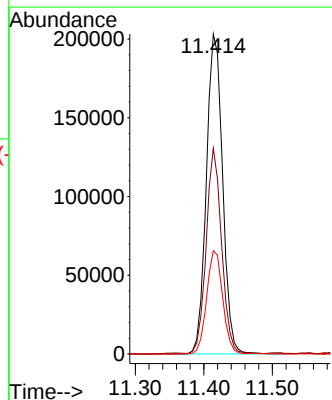
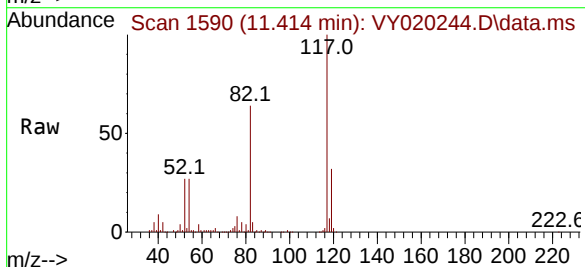
Instrument :
MSVOA_Y
ClientSampleId :

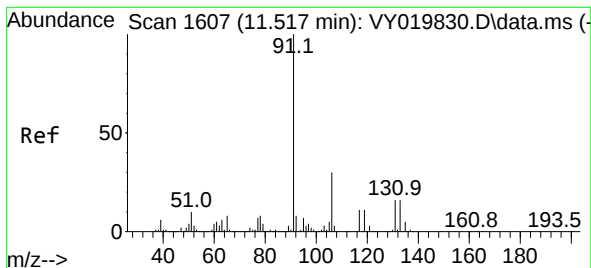
Tgt Ion: 95 Resp: 141852
Ion Ratio Lower Upper
95 100
174 73.4 0.0 175.6
176 70.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 117 Resp: 335044
Ion Ratio Lower Upper
117 100
82 64.0 42.4 63.6#
119 32.2 25.9 38.9





#67

Ethyl Benzene

Concen: 8.281 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020244.D

Acq: 11 Nov 2024 13:38

Instrument :

MSVOA_Y

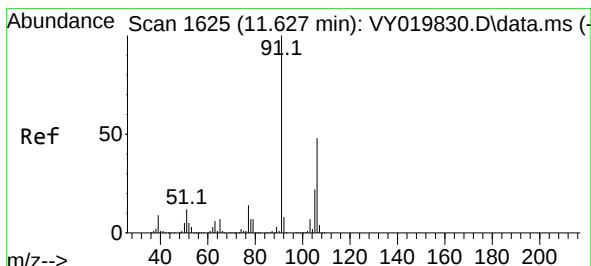
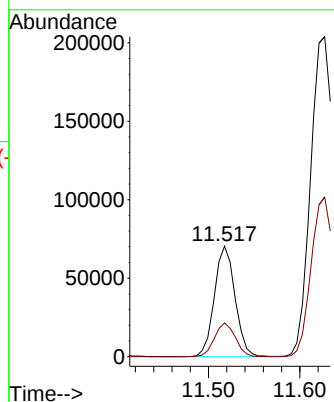
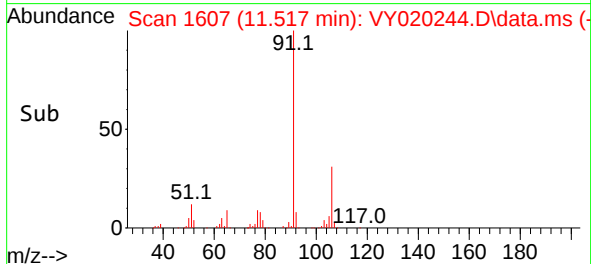
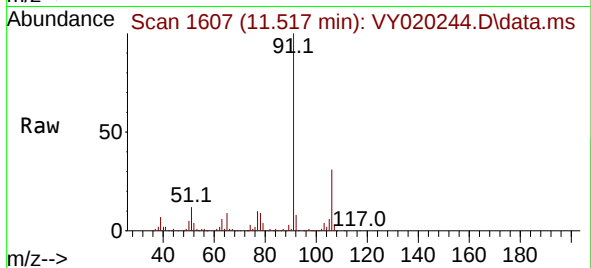
ClientSampleId :

Tgt Ion: 91 Resp: 110508

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7



#68

m/p-Xylenes

Concen: 37.394 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020244.D

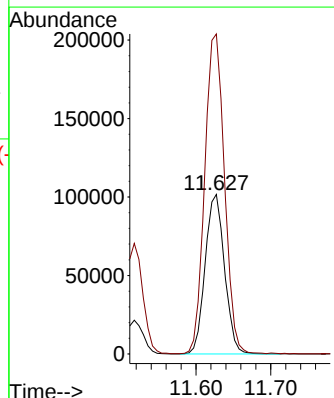
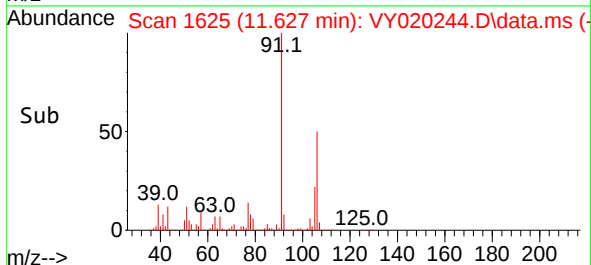
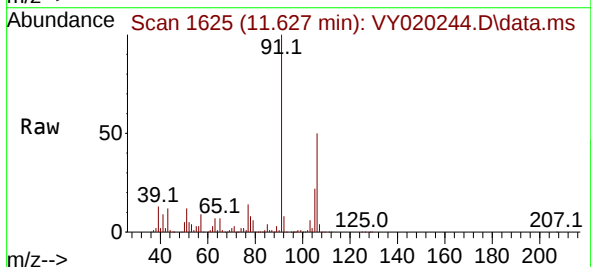
Acq: 11 Nov 2024 13:38

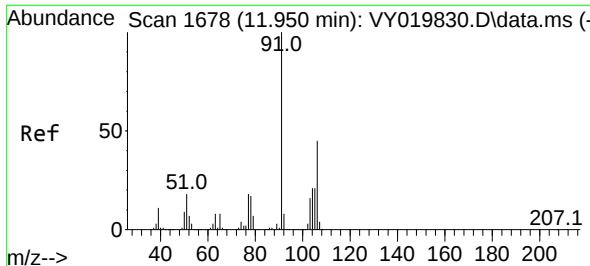
Tgt Ion:106 Resp: 182574

Ion Ratio Lower Upper

106 100

91 204.4 156.0 234.0

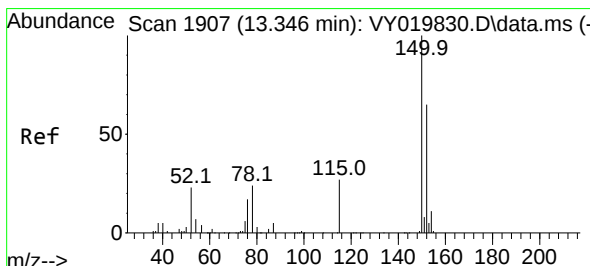
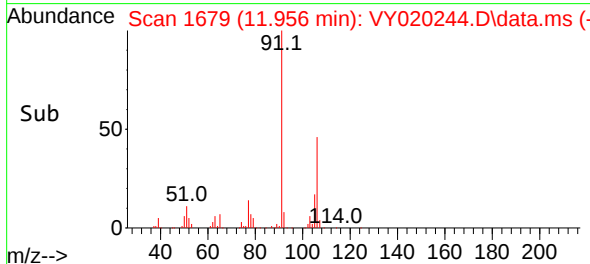
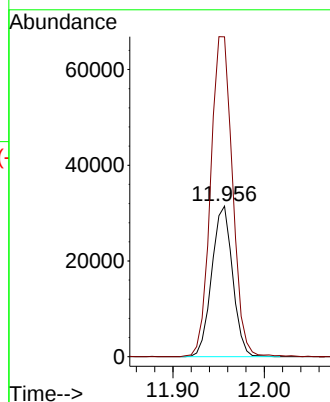
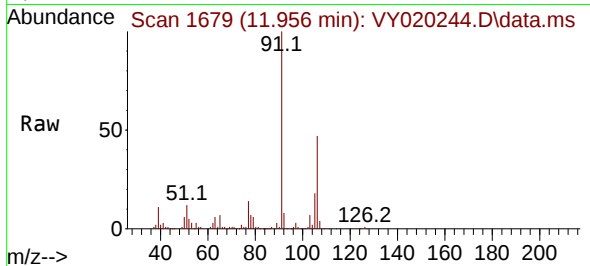




#69
o-Xylene
Concen: 10.755 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

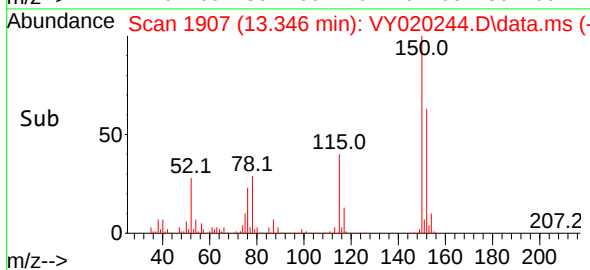
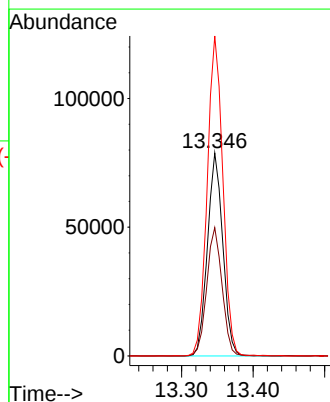
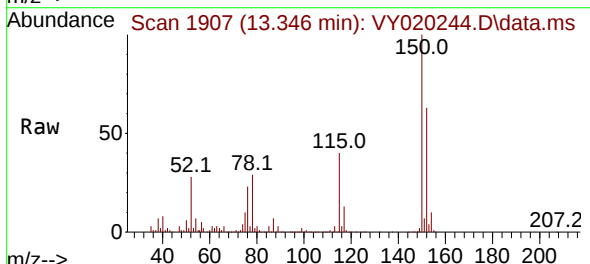
Instrument :
MSVOA_Y
ClientSampleId :

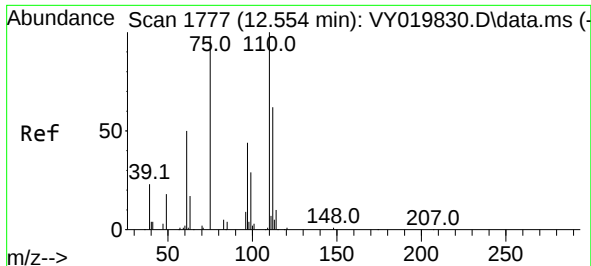
Tgt Ion:106 Resp: 49716
Ion Ratio Lower Upper
106 100
91 223.9 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion:152 Resp: 117809
Ion Ratio Lower Upper
152 100
115 63.0 28.2 84.7
150 160.1 0.0 345.6

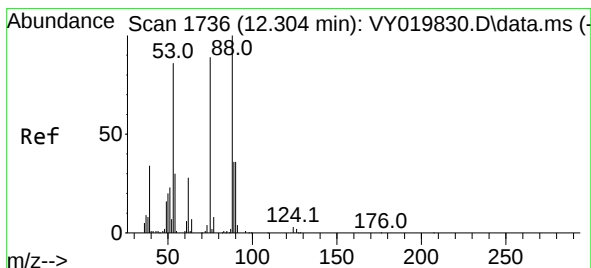
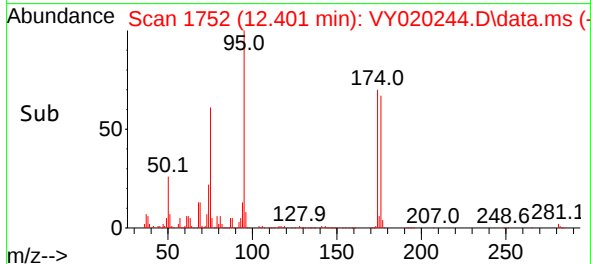
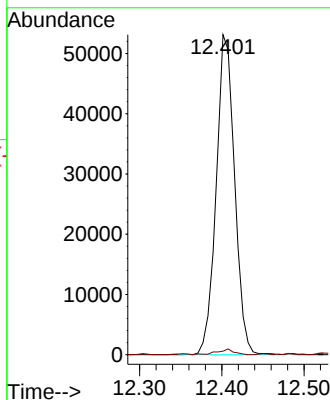
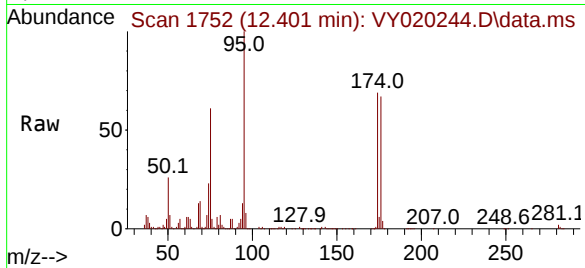




#76
1,2,3-Trichloropropane
Concen: 74.943 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 82762
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 161.199 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 75 Resp: 82762
Ion Ratio Lower Upper
75 100
53 0.8 66.8 100.2#
89 0.0 35.8 53.6#

