

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112724\
 Data File : VY020464.D
 Acq On : 27 Nov 2024 17:01
 Operator : SY/MD
 Sample : P5026-04
 Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 01:02:03 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)

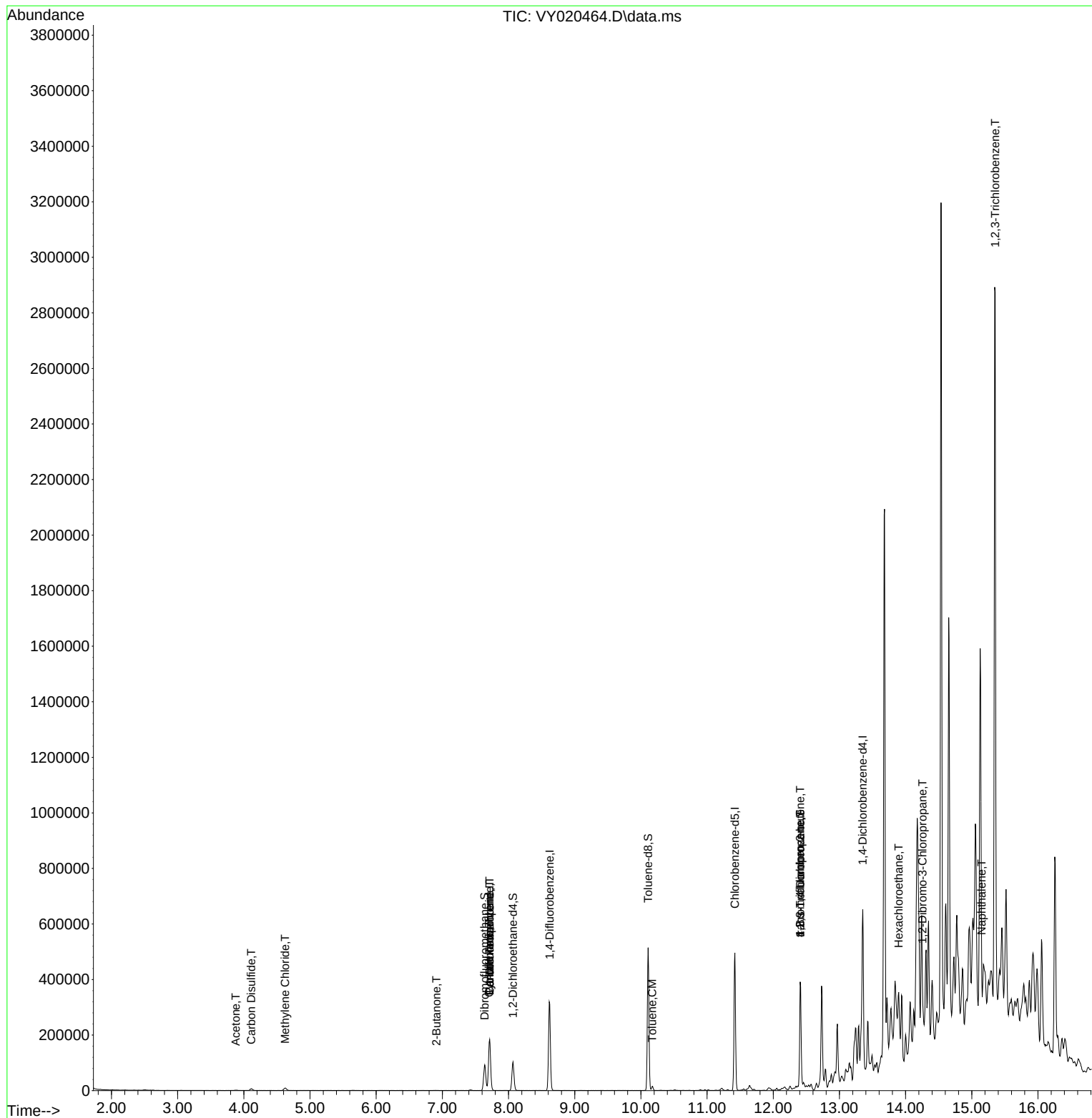
Internal Standards						
1) Pentafluorobenzene	7.713	168	134136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	262414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	254042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	103875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	83756	54.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.700%	
35) Dibromofluoromethane	7.640	113	64766	38.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.980%	
50) Toluene-d8	10.109	98	321173	48.454	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.900%	
62) 4-Bromofluorobenzene	12.408	95	112056	52.588	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 105.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	122	Below Cal	#	74
11) Tert butyl alcohol	4.872	59	40	Below Cal	#	73
16) Acetone	3.879	43	2650	7.173	ug/l	91
17) Carbon Disulfide	4.110	76	12978	2.633	ug/l	100
20) Methylene Chloride	4.622	84	6613	4.227	ug/l #	83
25) 2-Butanone	6.909	43	537	1.129	ug/l #	50
31) Cyclohexane	7.707	56	3160	1.100	ug/l #	18
36) 1,1-Dichloropropene	7.713	75	11358	4.419	ug/l #	52
38) Carbon Tetrachloride	7.713	117	14269	5.318	ug/l #	15
52) Toluene	10.170	92	5702	1.239	ug/l	96
76) 1,2,3-Trichloropropane	12.408	75	62547	63.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	62547	125.180	ug/l #	9
90) Hexachloroethane	13.895	117	1607	1.088	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.255	75	302	1.294	ug/l #	1
95) Naphthalene	15.151	128	15520	4.799	ug/l #	41
96) 1,2,3-Trichlorobenzene	15.352	180	3179	1.980	ug/l #	14

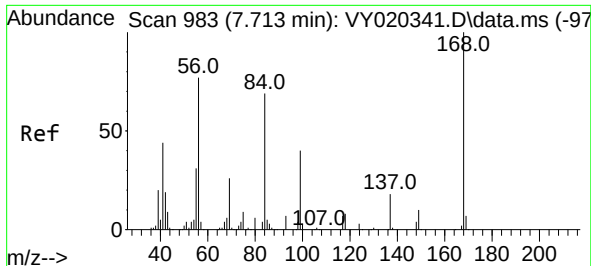
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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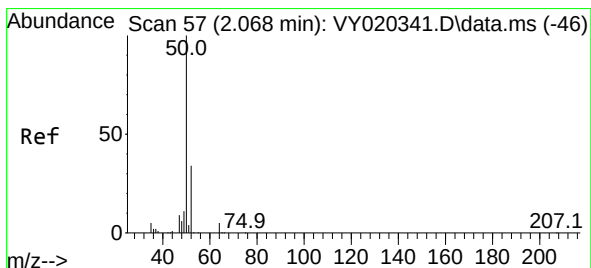
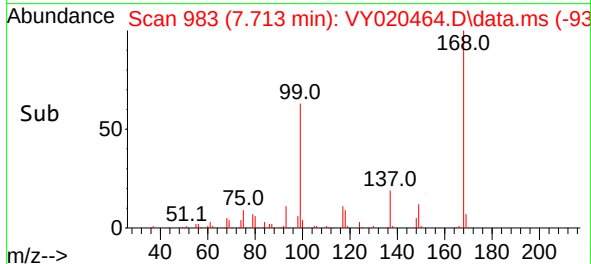
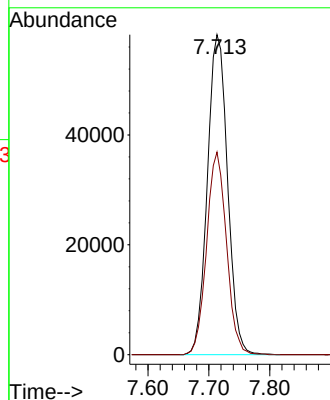
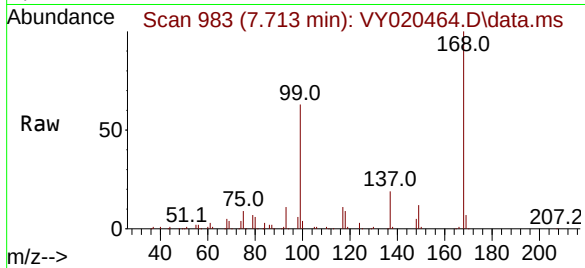




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

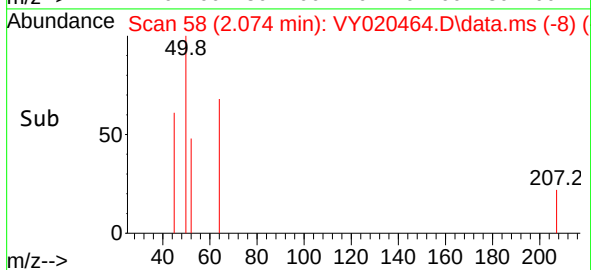
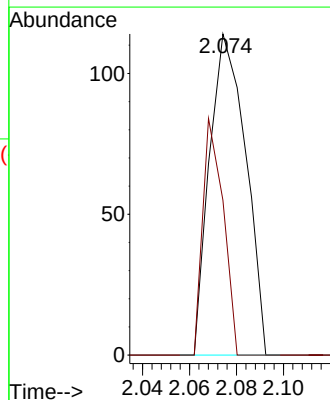
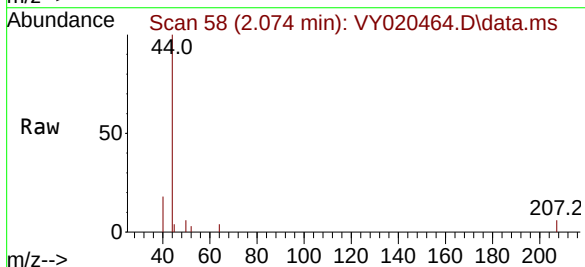
Instrument :
MSVOA_Y
ClientSampleId :

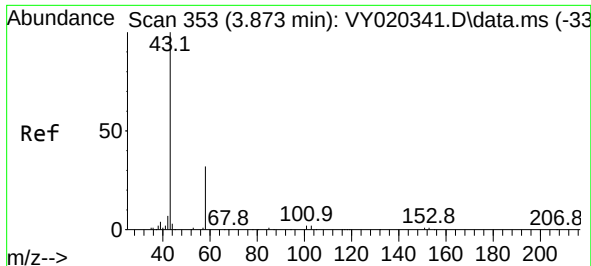
Tgt Ion:168 Resp: 134136
Ion Ratio Lower Upper
168 100
99 63.3 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

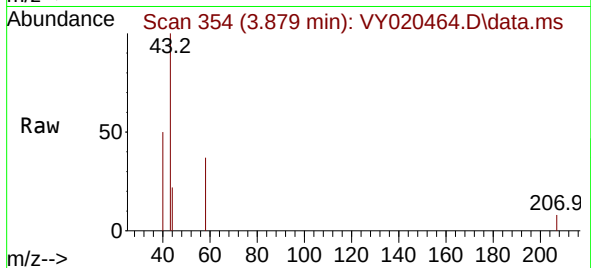
Tgt Ion: 50 Resp: 122
Ion Ratio Lower Upper
50 100
52 48.2 26.9 40.3#



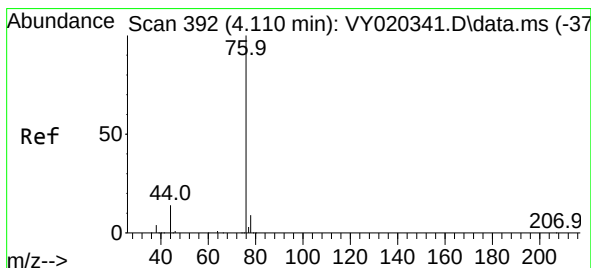
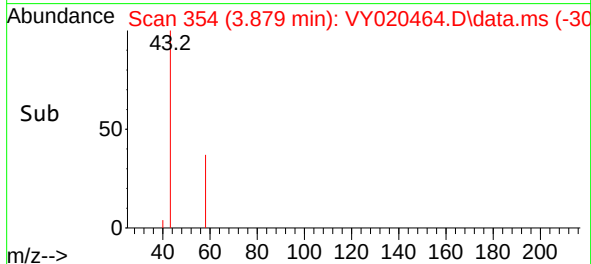
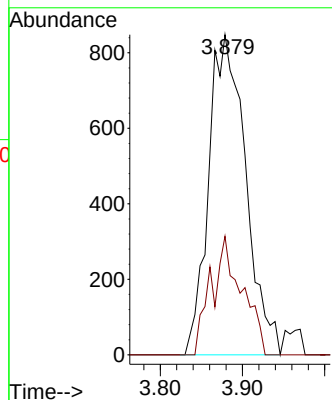


#16
Acetone
Concen: 7.173 ug/l
RT: 3.879 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

Instrument :
MSVOA_Y
ClientSampleId :

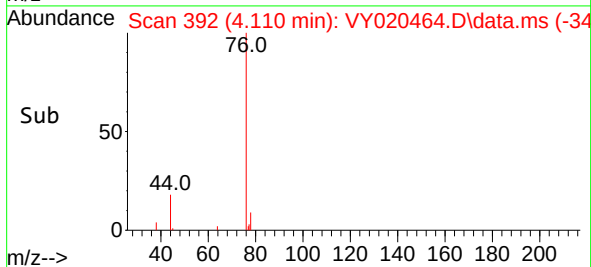
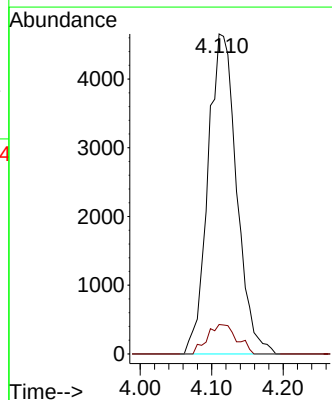
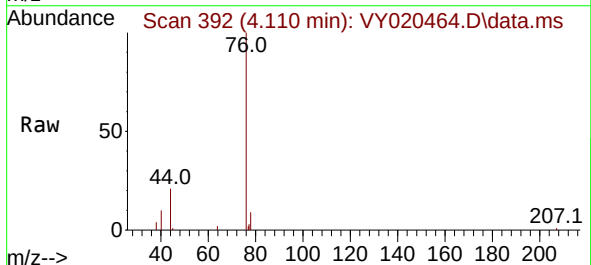


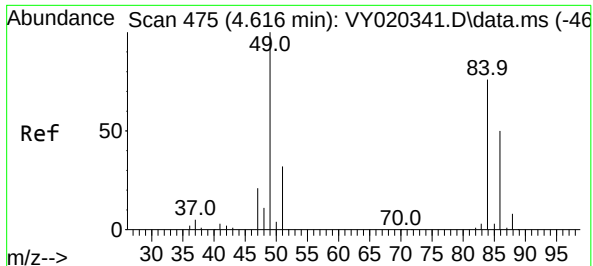
Tgt Ion: 43 Resp: 2650
Ion Ratio Lower Upper
43 100
58 37.0 25.7 38.5



#17
Carbon Disulfide
Concen: 2.633 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

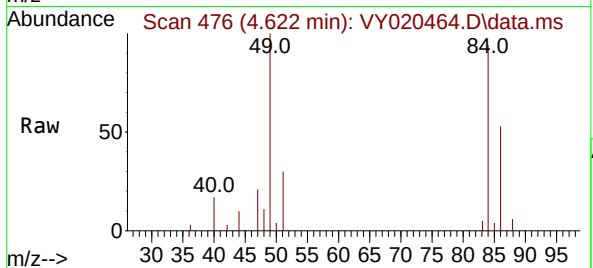
Tgt Ion: 76 Resp: 12978
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



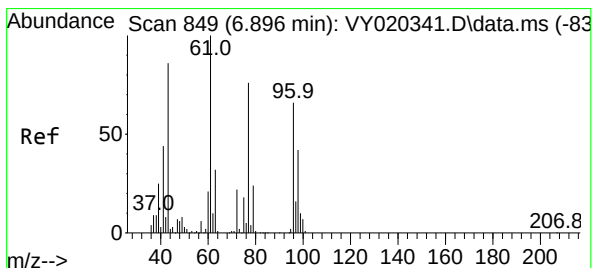
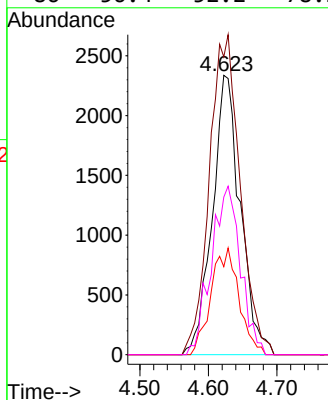
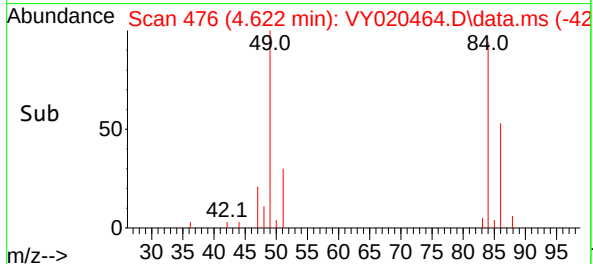


#20
Methylene Chloride
Concen: 4.227 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

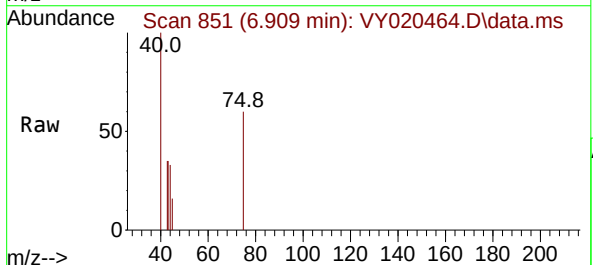
Instrument :
MSVOA_Y
ClientSampleId :



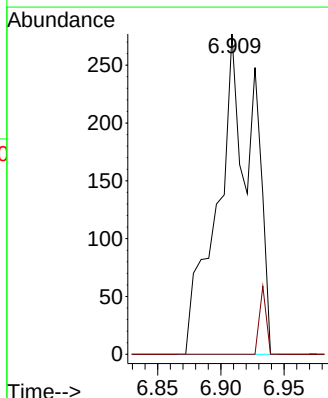
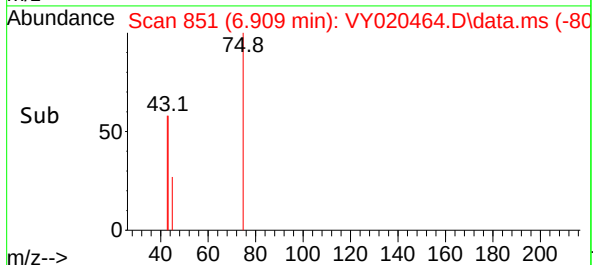
Tgt Ion:	84	Resp:	6613
Ion	Ratio	Lower	Upper
84	100		
49	106.6	104.7	157.1
51	31.5	33.4	50.0#
86	56.4	52.2	78.2

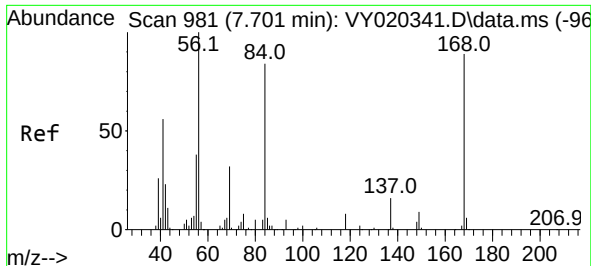


#25
2-Butanone
Concen: 1.129 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01



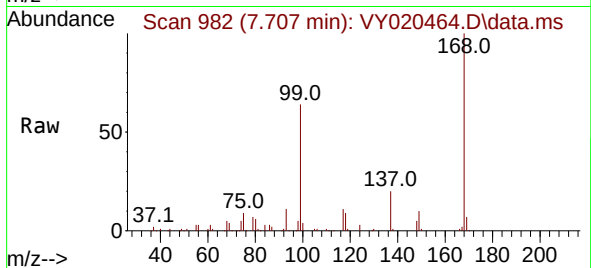
Tgt Ion:	43	Resp:	537
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#



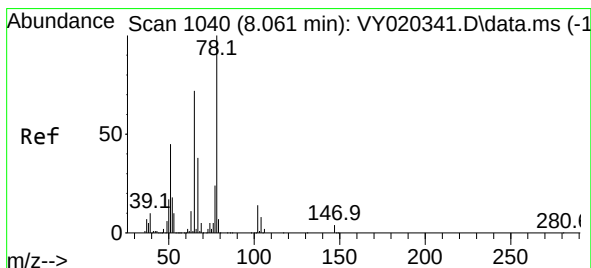
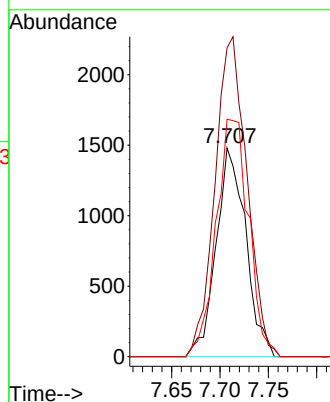
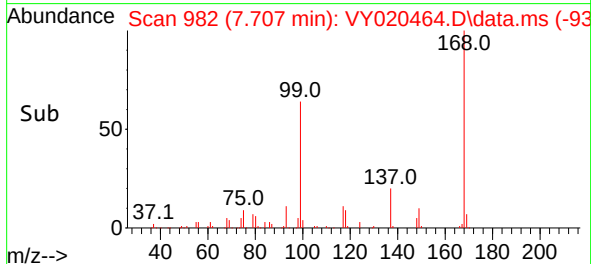


#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

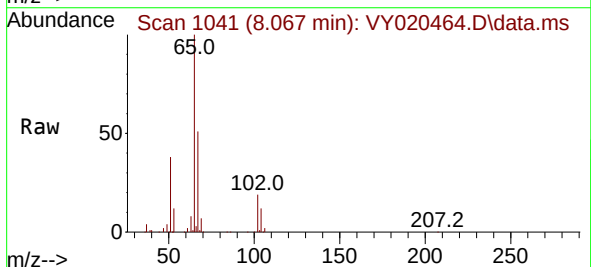
Instrument :
MSVOA_Y
ClientSampleId :



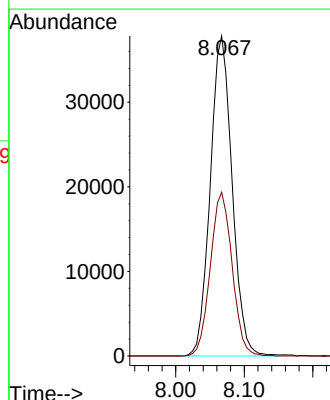
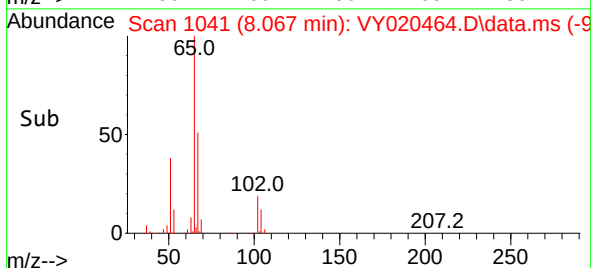
Tgt Ion: 56 Resp: 3160
Ion Ratio Lower Upper
56 100
69 148.0 25.3 37.9#
84 113.8 66.9 100.3#

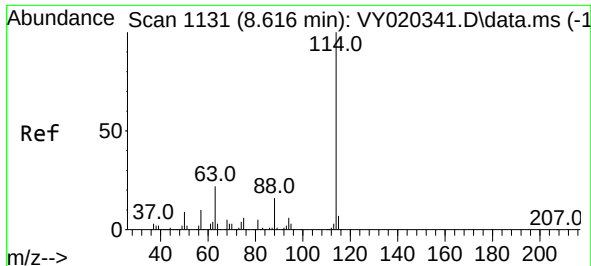


#33
1,2-Dichloroethane-d4
Concen: 54.349 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01



Tgt Ion: 65 Resp: 83756
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY020464.D

Acq: 27 Nov 2024 17:01

Instrument :

MSVOA_Y

ClientSampleId :

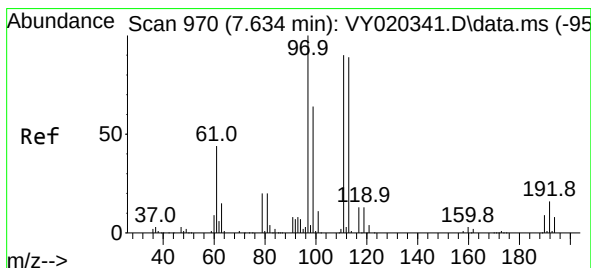
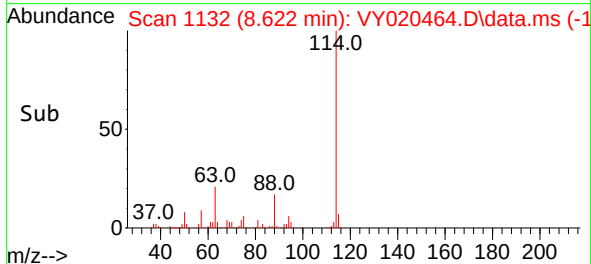
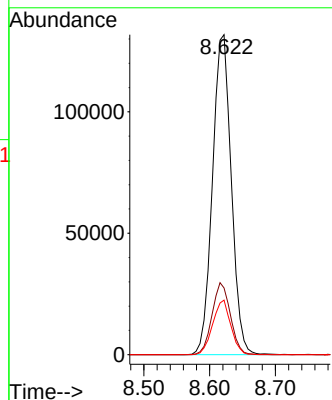
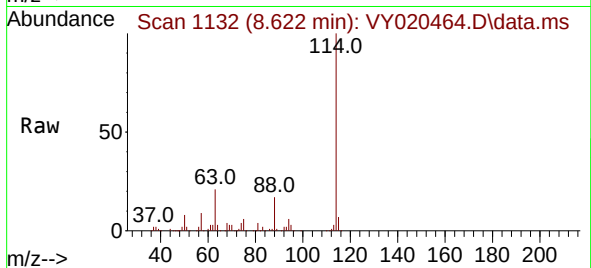
Tgt Ion:114 Resp: 262414

Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.8

88 17.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 38.490 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY020464.D

Acq: 27 Nov 2024 17:01

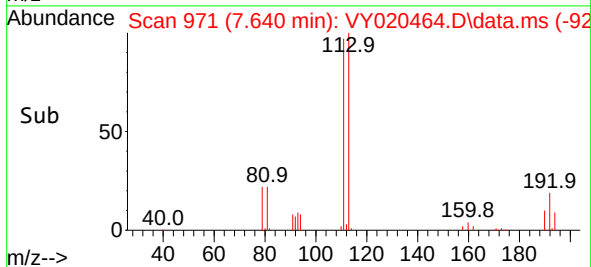
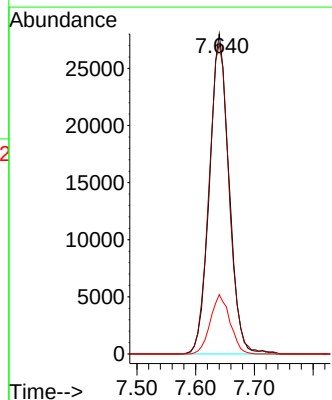
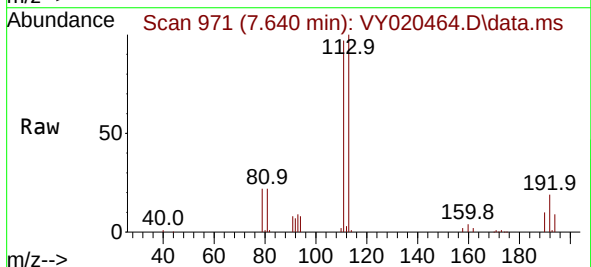
Tgt Ion:113 Resp: 64766

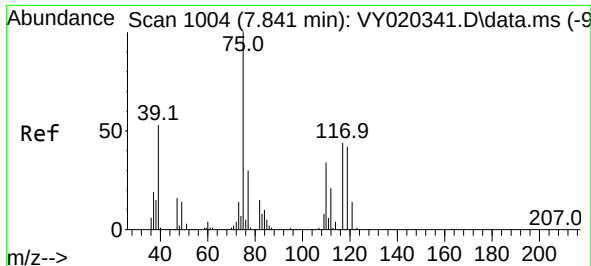
Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

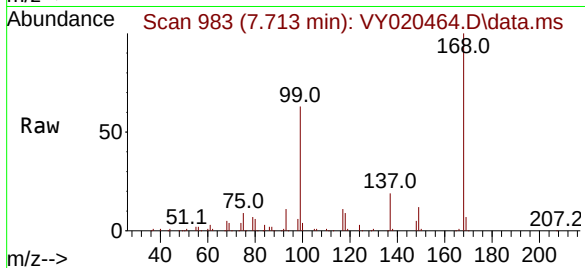
192 18.6 15.1 22.7



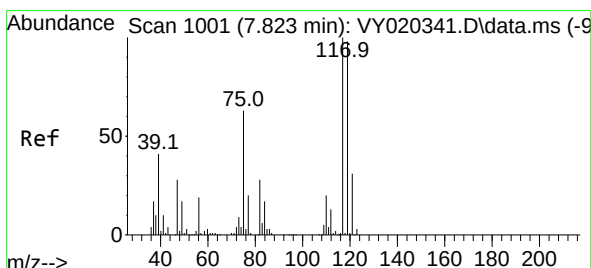
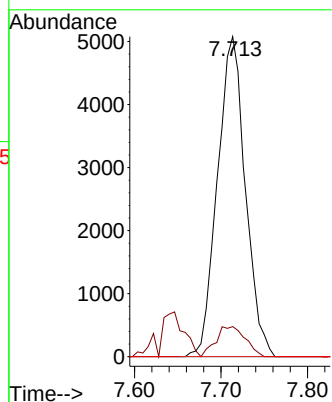
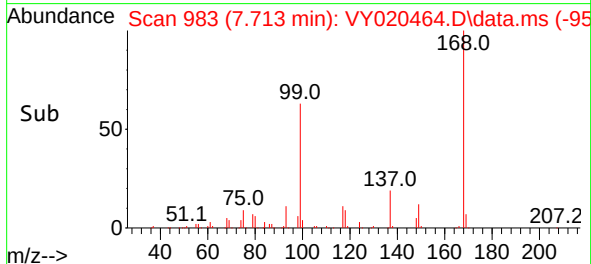


#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

Instrument :
MSVOA_Y
ClientSampleId :

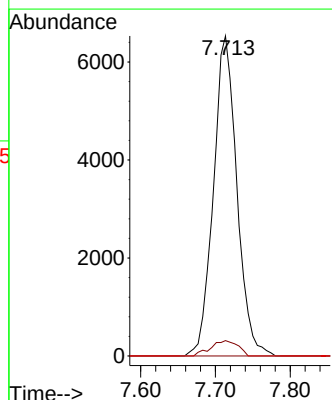
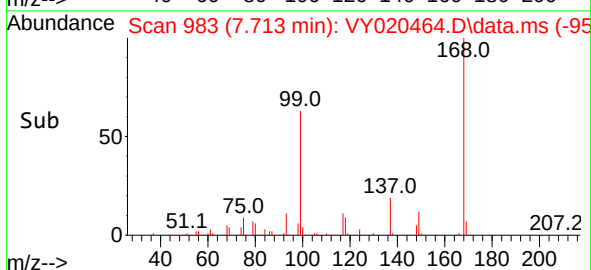
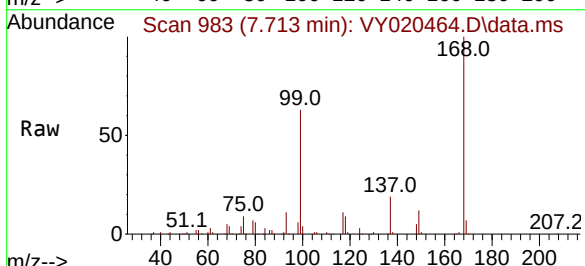


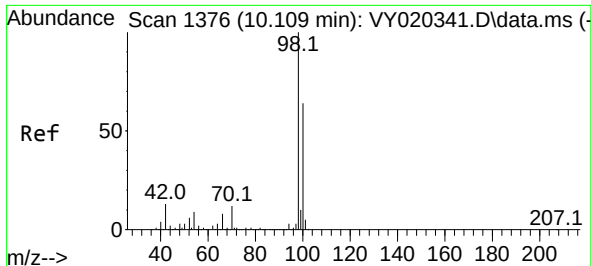
Tgt Ion: 75 Resp: 11358
Ion Ratio Lower Upper
75 100
110 10.0 16.7 50.0#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

Tgt Ion: 117 Resp: 14269
Ion Ratio Lower Upper
117 100
119 4.8 77.8 116.6#
121 0.0 24.6 37.0#

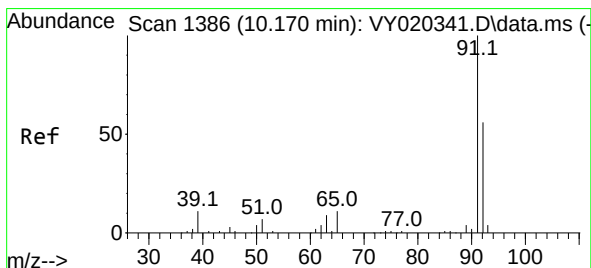
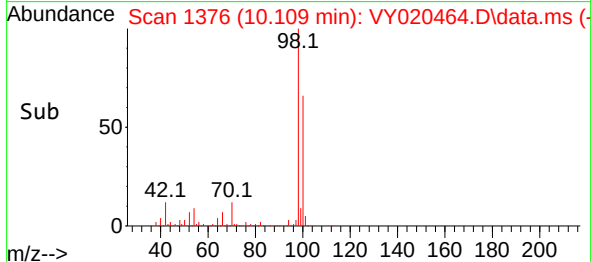
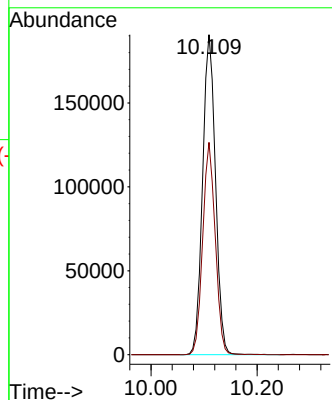
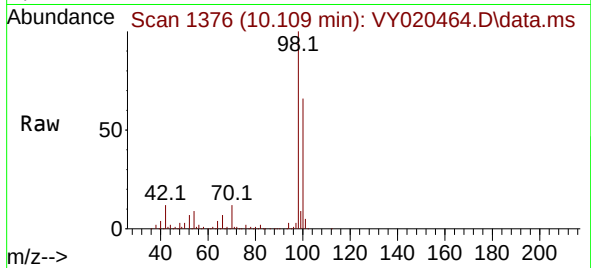




#50
Toluene-d8
Concen: 48.454 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

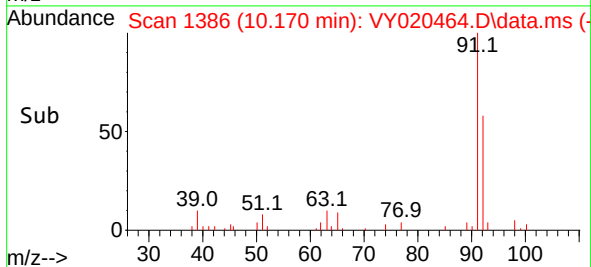
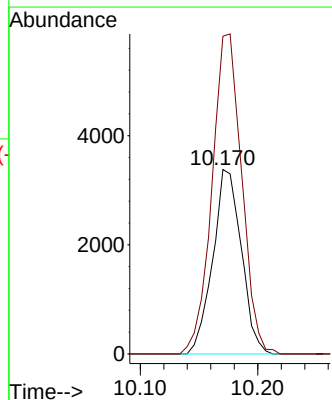
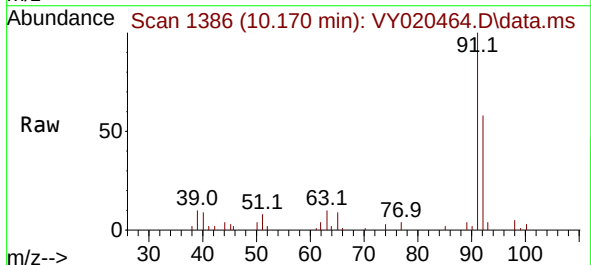
Instrument :
MSVOA_Y
ClientSampleId :

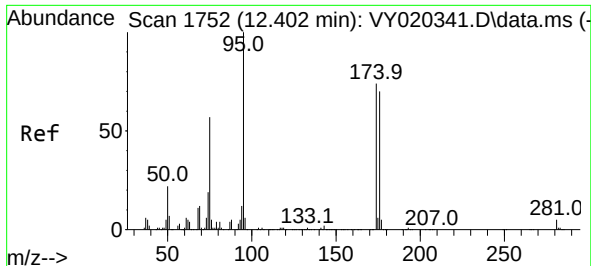
Tgt Ion: 98 Resp: 321173
Ion Ratio Lower Upper
98 100
100 64.5 51.3 76.9



#52
Toluene
Concen: 1.239 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

Tgt Ion: 92 Resp: 5702
Ion Ratio Lower Upper
92 100
91 180.5 139.7 209.5

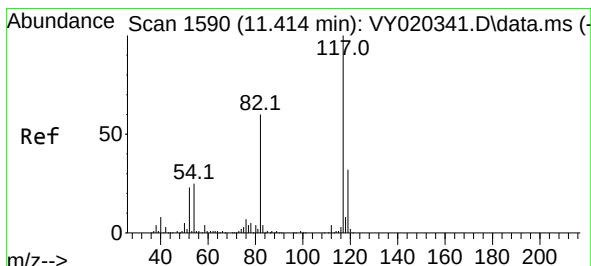
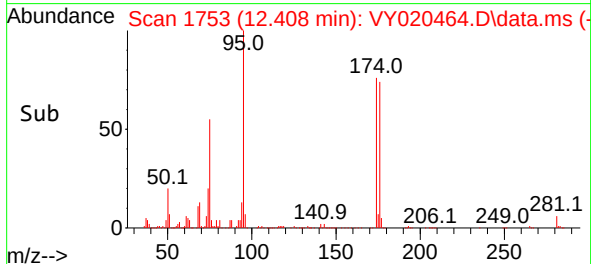
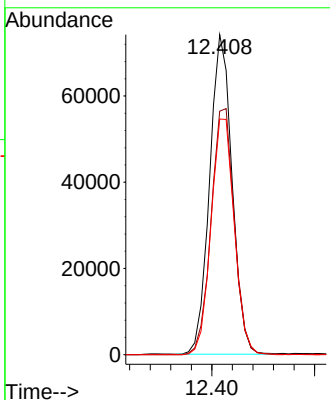
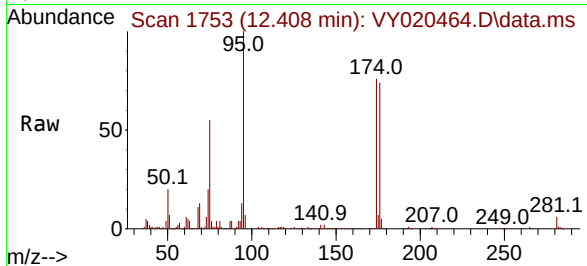




#62
4-Bromofluorobenzene
Concen: 52.588 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

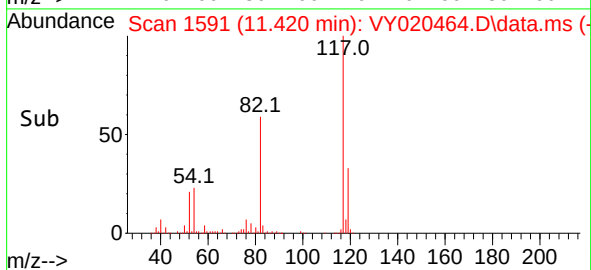
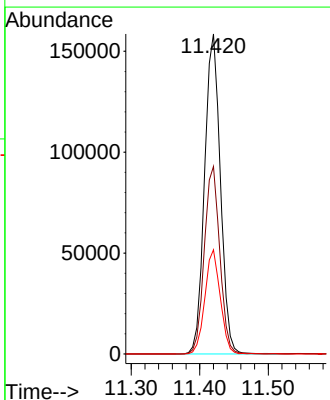
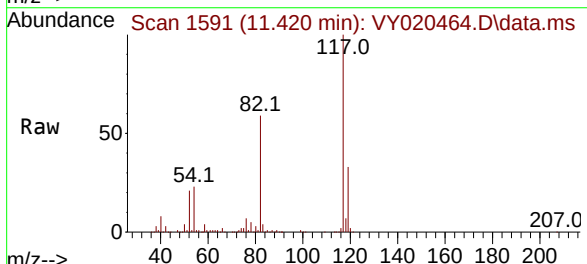
Instrument :
MSVOA_Y
ClientSampleId :

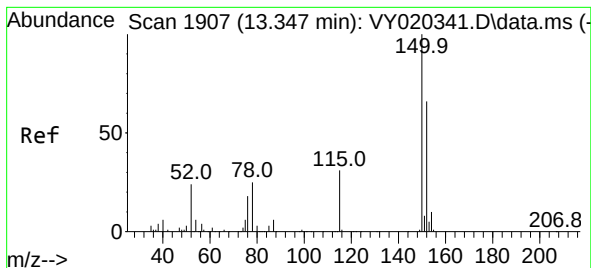
Tgt Ion: 95 Resp: 112056
Ion Ratio Lower Upper
95 100
174 79.7 0.0 156.8
176 76.6 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

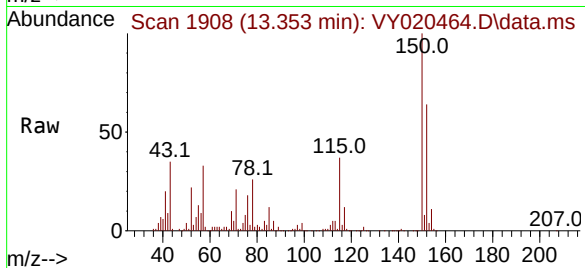
Tgt Ion: 117 Resp: 254042
Ion Ratio Lower Upper
117 100
82 58.6 48.2 72.4
119 32.5 25.8 38.8



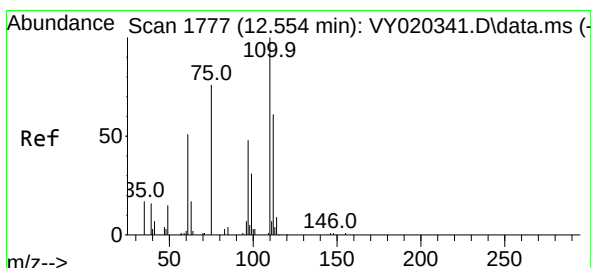
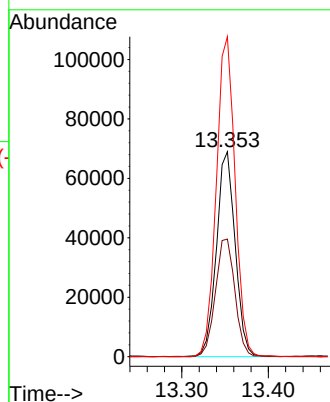
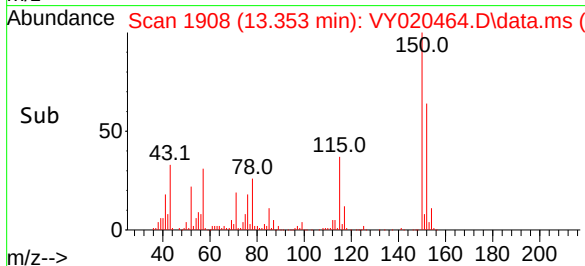


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

Instrument :
MSVOA_Y
ClientSampleId :

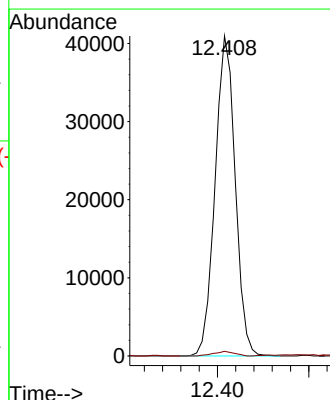
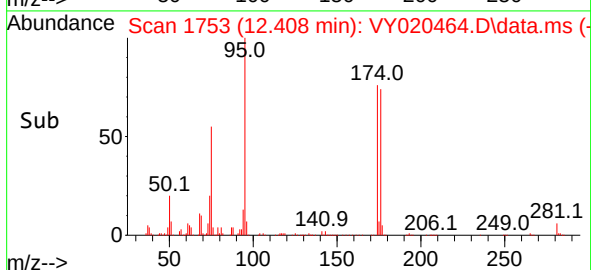
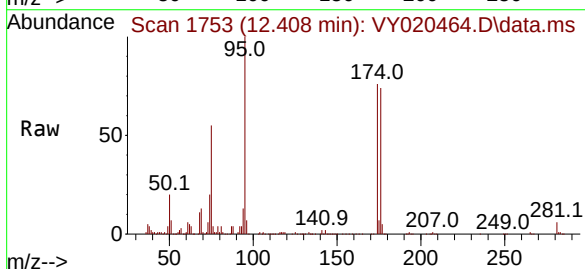


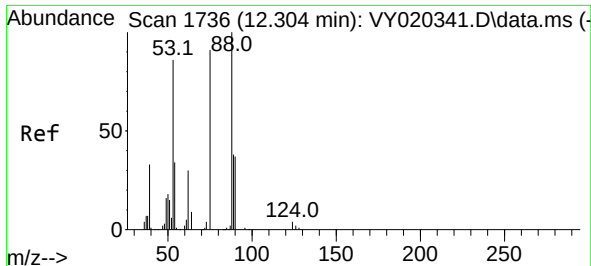
Tgt Ion:152 Resp: 103875
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 155.9 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 63.885 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020464.D
Acq: 27 Nov 2024 17:01

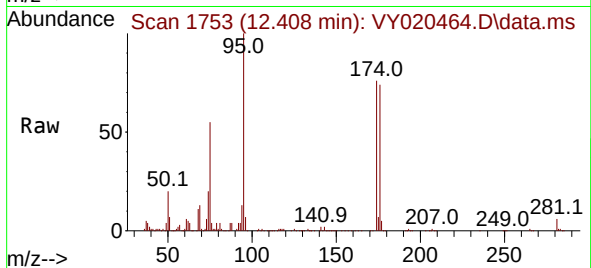
Tgt Ion: 75 Resp: 62547
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



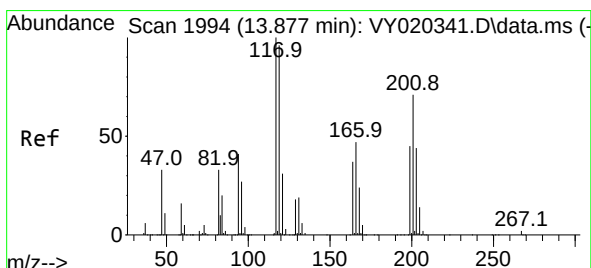
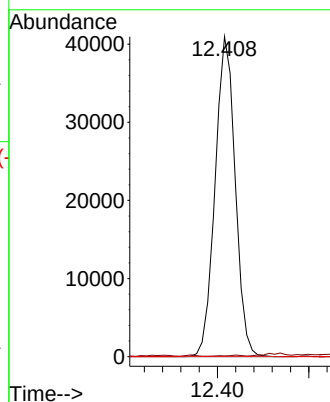
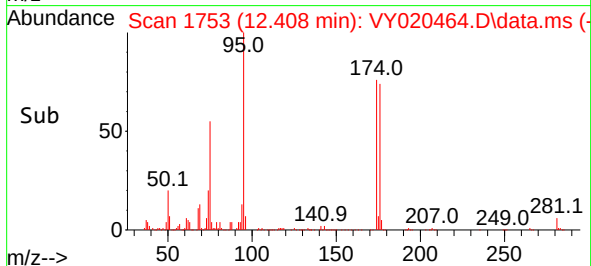


#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.180 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020464.D
 Acq: 27 Nov 2024 17:01

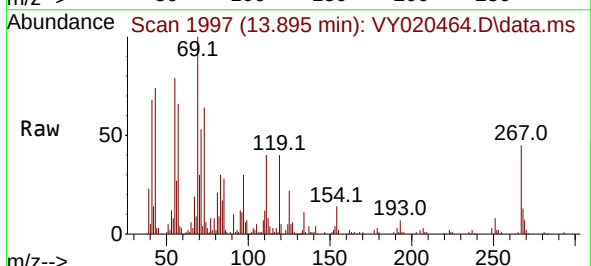
Instrument :
 MSVOA_Y
 ClientSampleId :



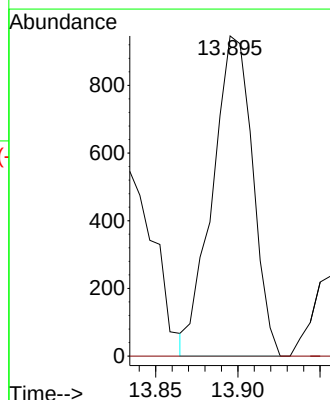
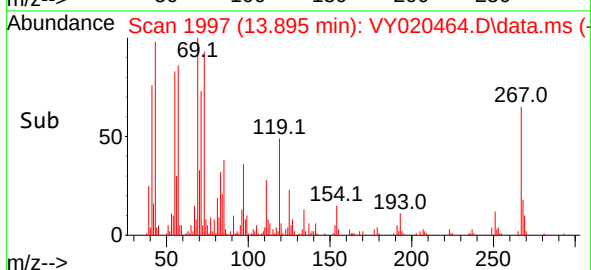
Tgt Ion: 75 Resp: 62547
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.1 121.7#
 89 0.0 35.1 52.7#

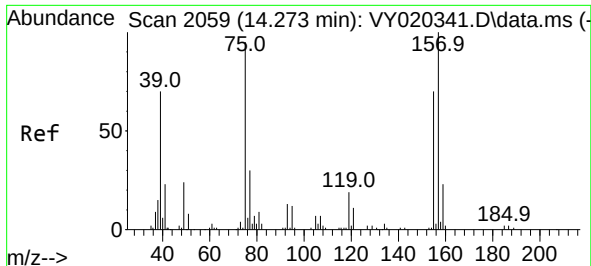


#90
 Hexachloroethane
 Concen: 1.088 ug/l
 RT: 13.895 min Scan# 1997
 Delta R.T. 0.018 min
 Lab File: VY020464.D
 Acq: 27 Nov 2024 17:01



Tgt Ion: 117 Resp: 1607
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.1 111.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.294 ug/l

RT: 14.255 min Scan# 2056

Delta R.T. -0.018 min

Lab File: VY020464.D

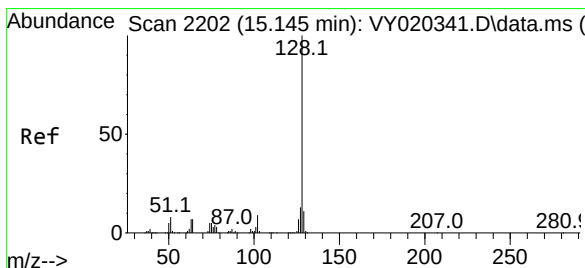
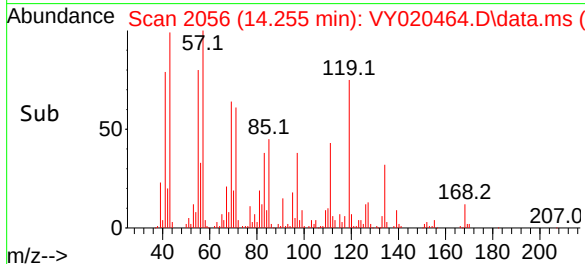
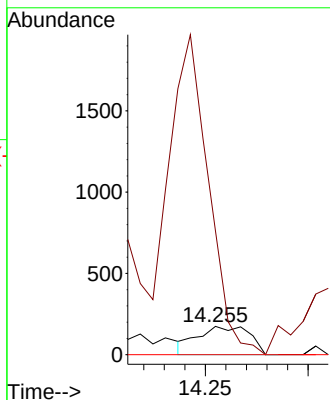
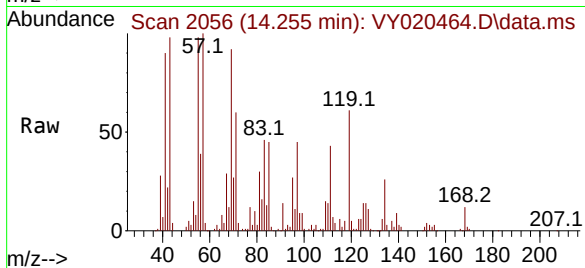
Acq: 27 Nov 2024 17:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	302
Ion	Ratio	Lower	Upper
75	100		
155	852.6	39.7	119.1#
157	0.0	52.6	157.8#



#95

Naphthalene

Concen: 4.799 ug/l

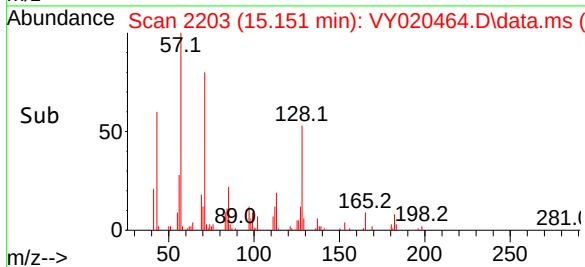
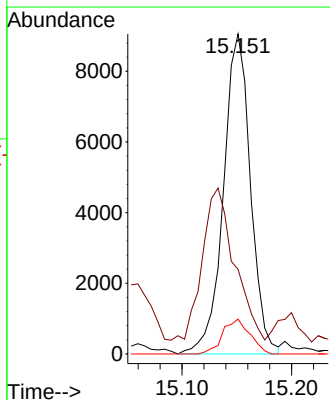
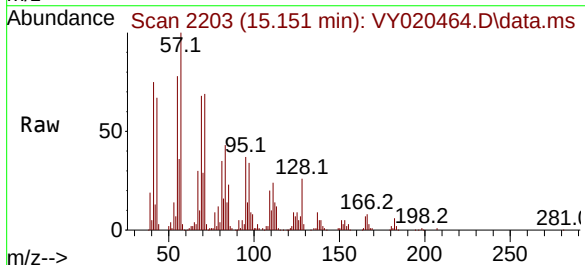
RT: 15.151 min Scan# 2203

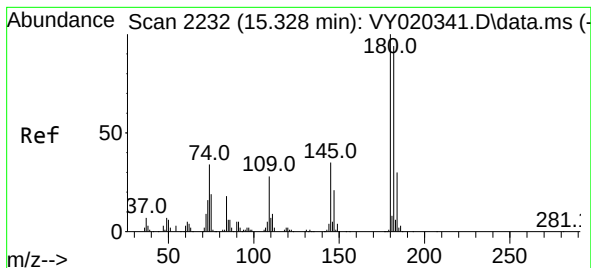
Delta R.T. 0.006 min

Lab File: VY020464.D

Acq: 27 Nov 2024 17:01

Tgt Ion:	128	Resp:	15520
Ion	Ratio	Lower	Upper
128	100		
127	55.9	10.5	15.7#
129	11.0	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.980 ug/l

RT: 15.352 min Scan# 21

Delta R.T. 0.024 min

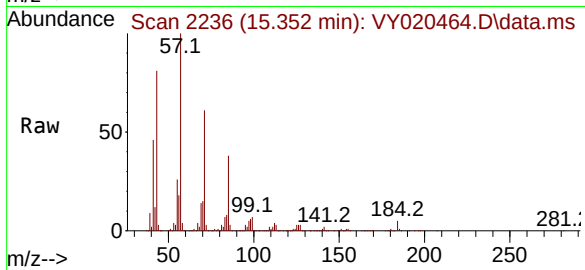
Lab File: VY020464.D

Acq: 27 Nov 2024 17:01

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 3179

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.3#

145 4.2 16.9 50.6#

