

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111022\
 Data File : VY011396.D
 Acq On : 10 Nov 2022 17:24
 Operator : KP/MD
 Sample : N5531-06
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-34

Quant Time: Nov 10 22:17:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

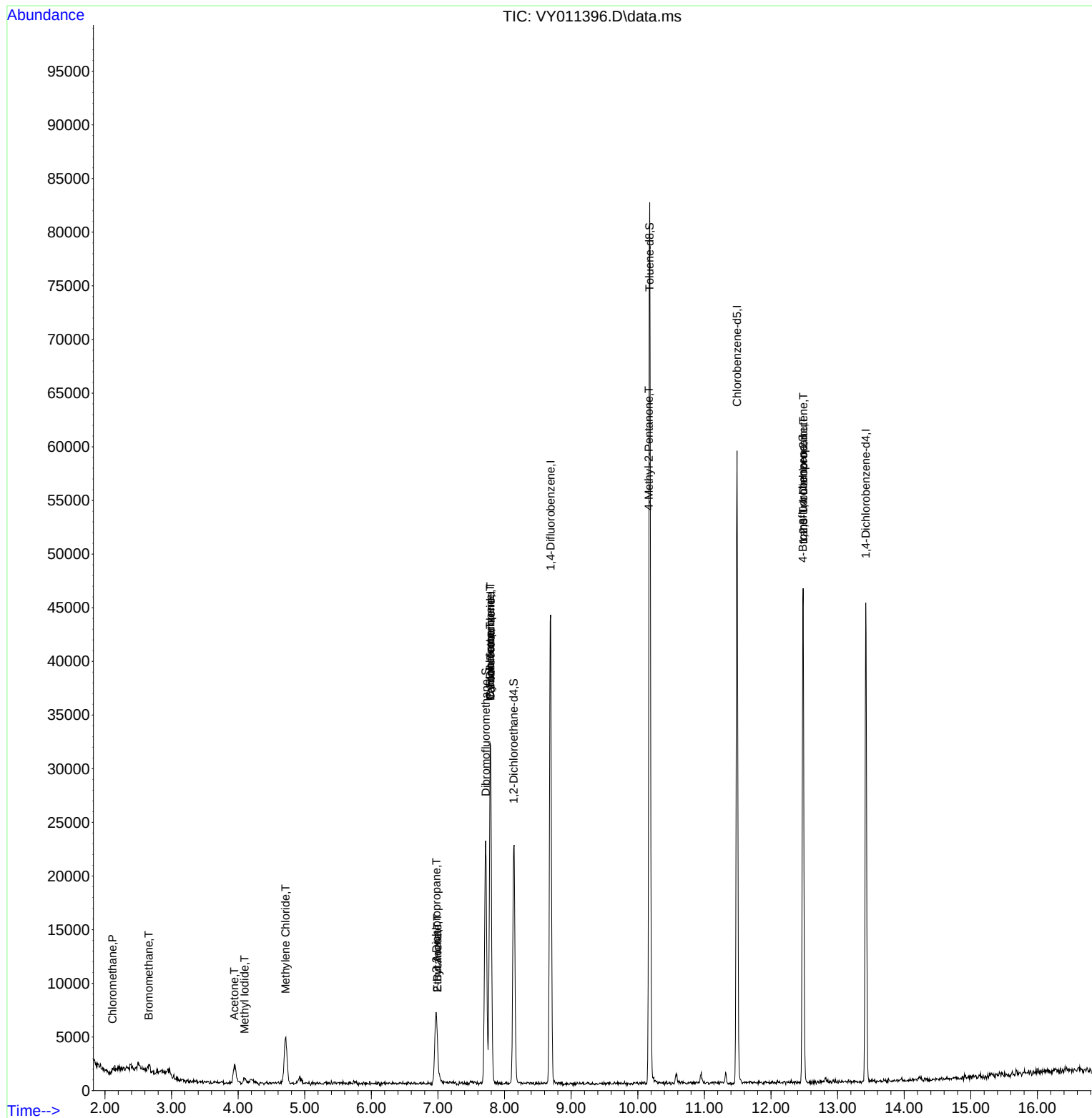
Internal Standards						
1) Pentafluorobenzene	7.789	168	26908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	40725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	34974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	17969	79.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 159.380%	
35) Dibromofluoromethane	7.716	113	16402	71.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 143.740%	
50) Toluene-d8	10.179	98	58289	66.852	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.700%	
62) 4-Bromofluorobenzene	12.477	95	15313	50.352	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	235	1.087	ug/l #	44
5) Bromomethane	2.656	94	343	1.858	ug/l	94
10) Methyl Iodide	4.095	142	849	2.610	ug/l #	66
11) Tert butyl alcohol	4.924	59	397	Below Cal	#	77
16) Acetone	3.942	43	3416	57.412	ug/l	93
18) Methyl Acetate	4.204	43	108	Below Cal	#	56
20) Methylene Chloride	4.710	84	3751	4.829	ug/l #	70
25) 2-Butanone	6.990	43	751	8.861	ug/l #	54
26) 2,2-Dichloropropane	6.978	77	526	1.242	ug/l #	55
31) Cyclohexane	7.783	56	433	1.069	ug/l #	19
36) 1,1-Dichloropropene	7.783	75	1734	4.895	ug/l #	47
37) Ethyl Acetate	6.990	43	751	4.413	ug/l #	41
38) Carbon Tetrachloride	7.789	117	2512	6.519	ug/l #	19
51) 4-Methyl-2-Pentanone	10.167	43	211	1.278	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	7066	47.579	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7066	114.365	ug/l #	7

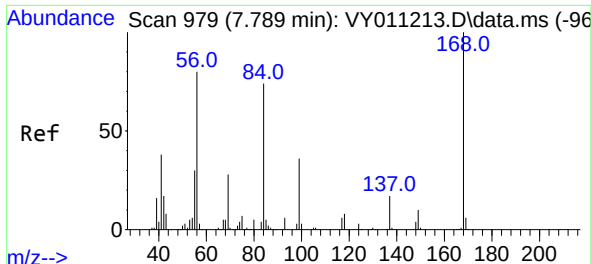
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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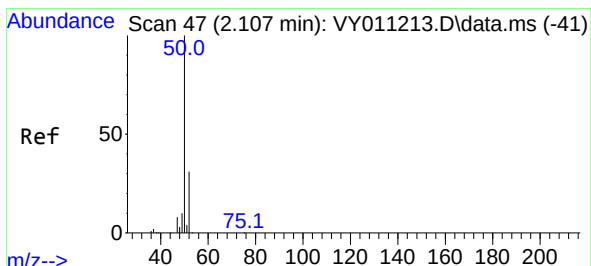
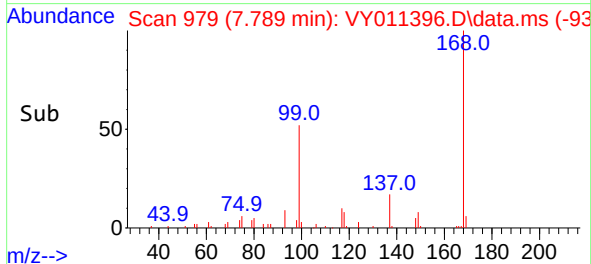
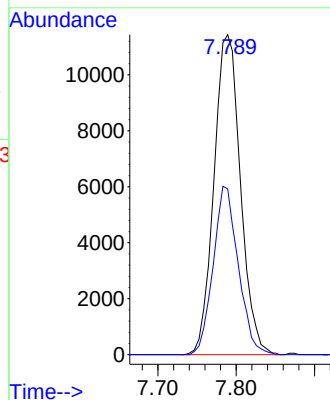
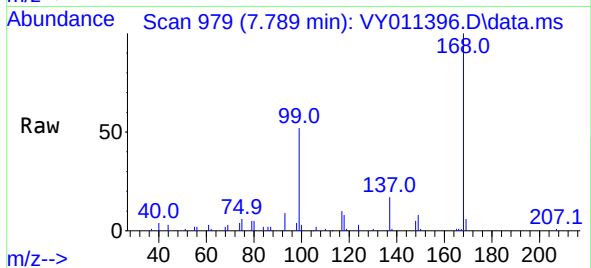




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

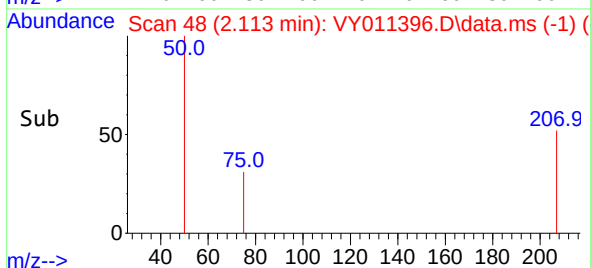
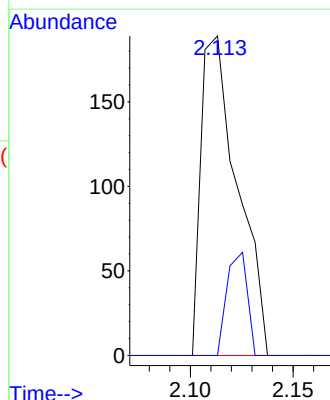
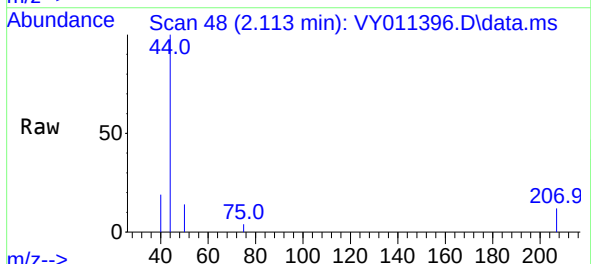
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

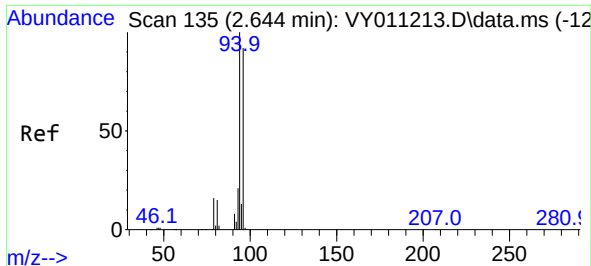
Tgt Ion:168 Resp: 26908
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#3
Chloromethane
Concen: 1.087 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

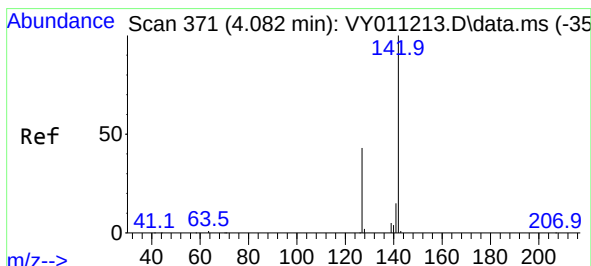
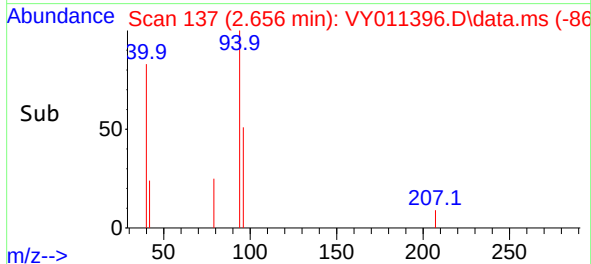
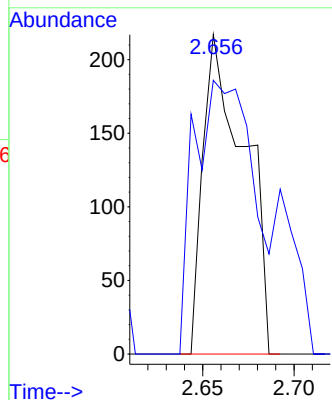
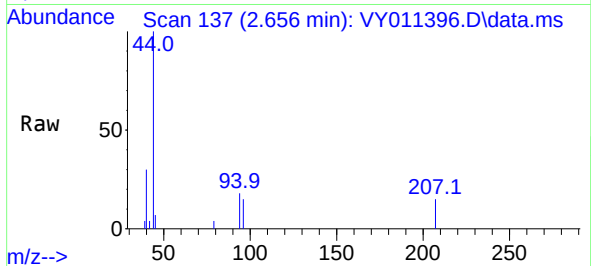




#5
Bromomethane
Concen: 1.858 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

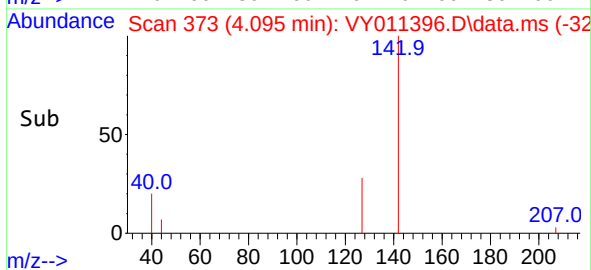
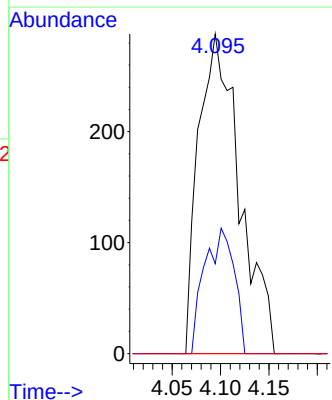
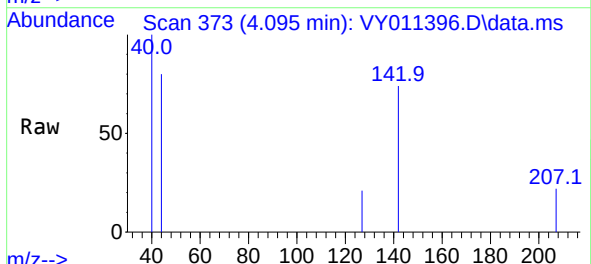
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

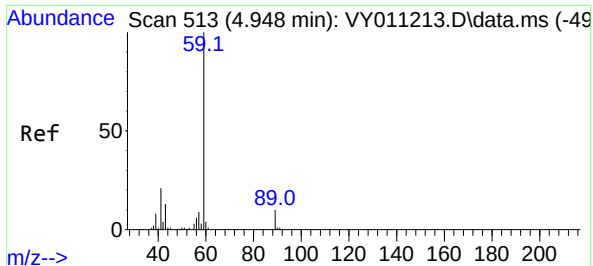
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 85.7 73.5 110.3



#10
Methyl Iodide
Concen: 2.610 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 142 Resp: 849
Ion Ratio Lower Upper
142 100
127 28.4 41.5 62.3#
141 0.0 11.9 17.9#

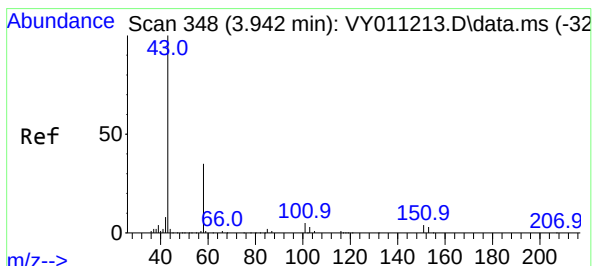
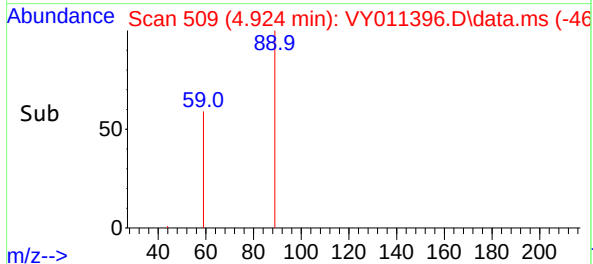
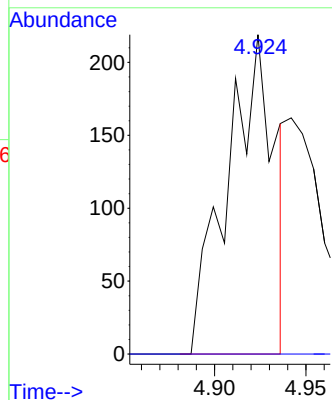
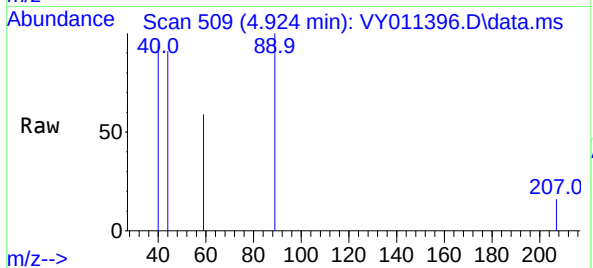




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

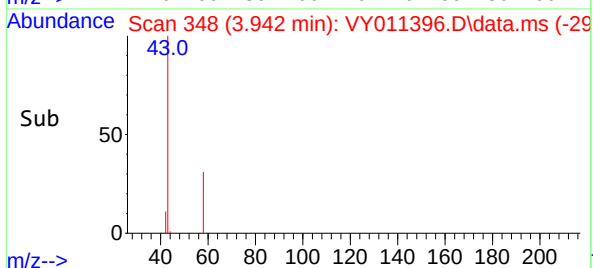
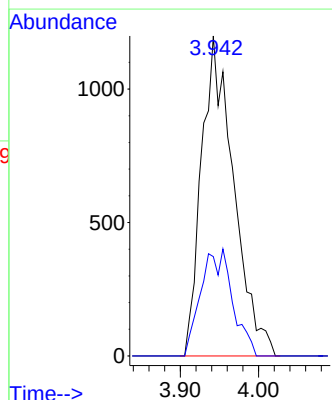
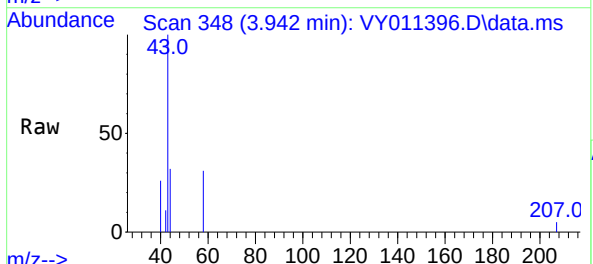
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

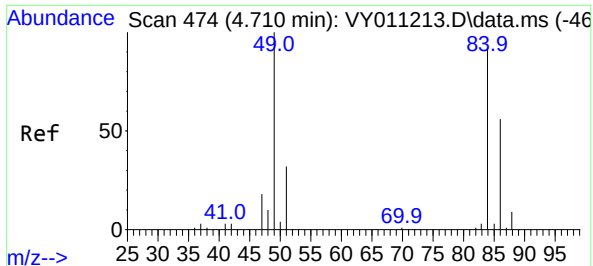
Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 57.412 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0

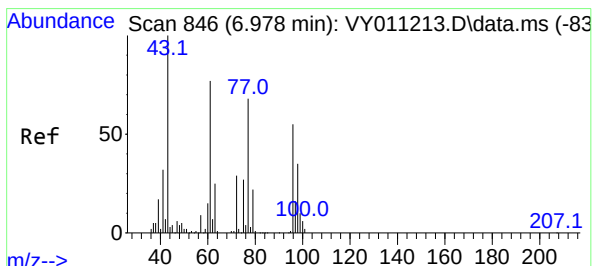
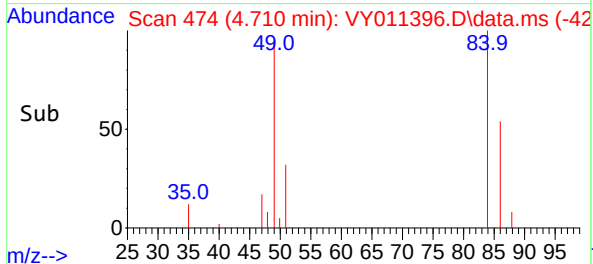
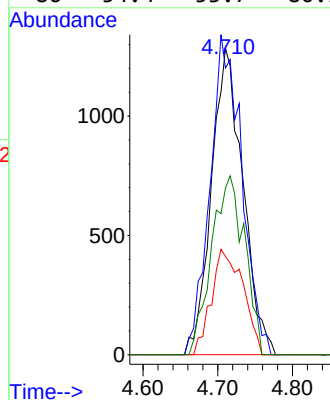
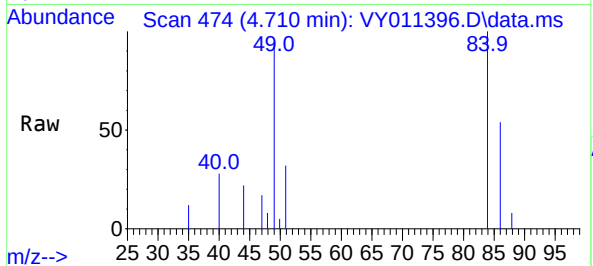




#20
Methylene Chloride
Concen: 4.829 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

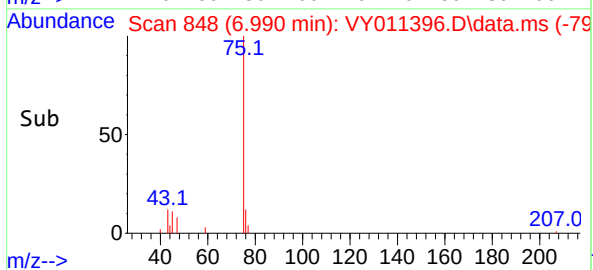
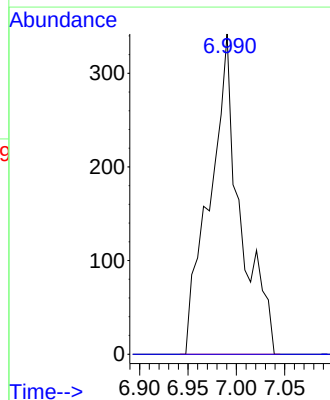
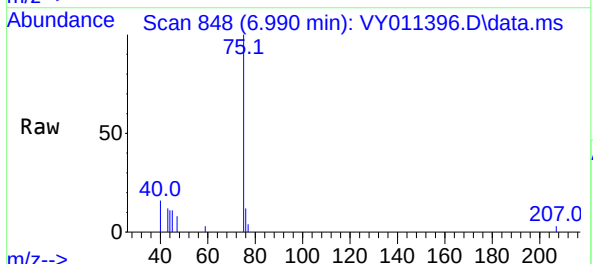
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

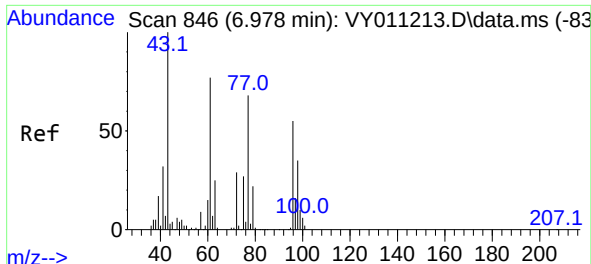
Tgt Ion:	84	Resp:	3751
Ion	Ratio	Lower	Upper
84	100		
49	93.5	114.4	171.6#
51	32.1	35.3	52.9#
86	54.4	53.7	80.5



#25
2-Butanone
Concen: 8.861 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion:	43	Resp:	751
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

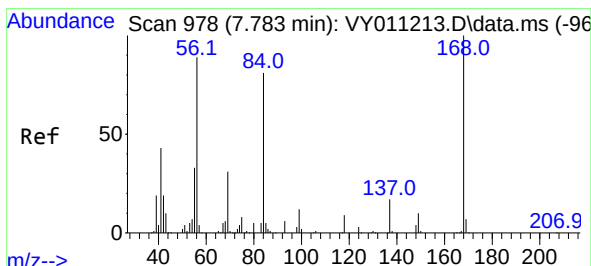
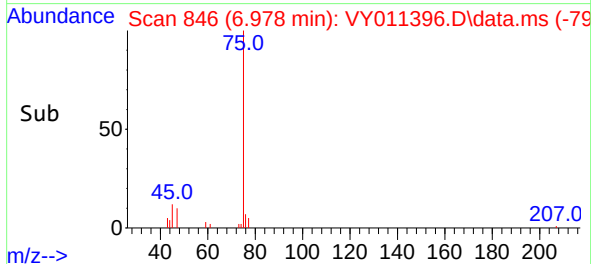
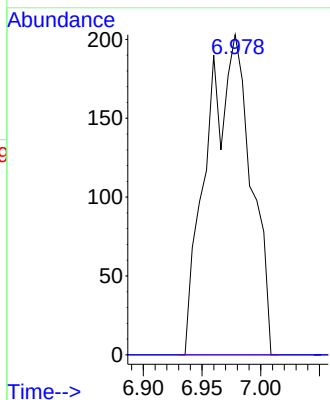
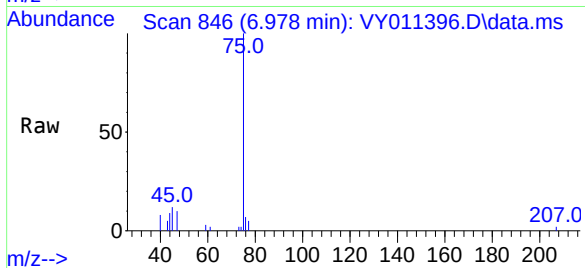




#26
2,2-Dichloropropane
Concen: 1.242 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

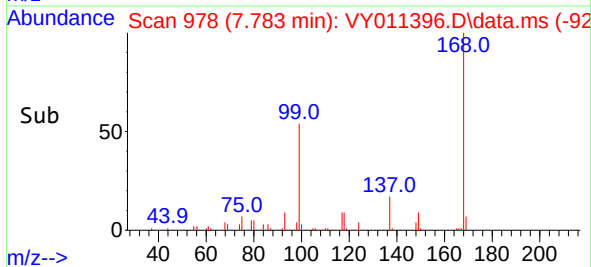
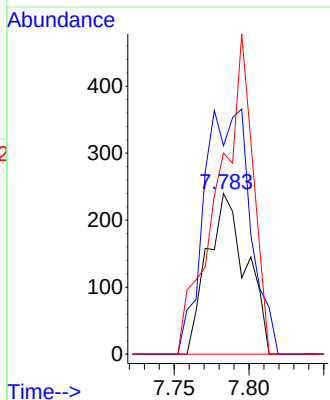
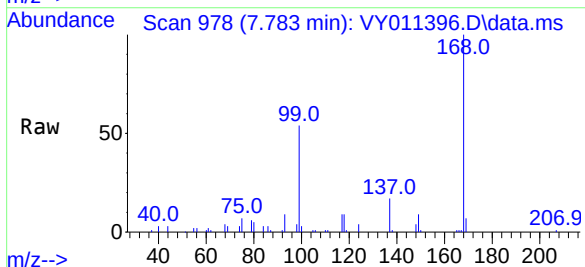
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

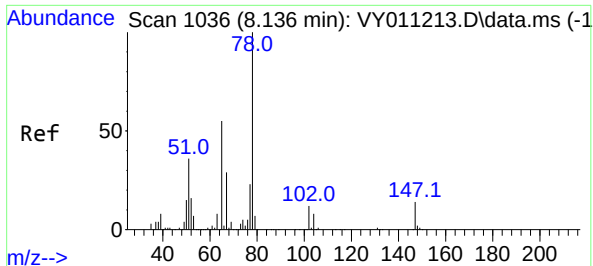
Tgt Ion: 77 Resp: 526
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
69 129.6 26.7 40.1#
84 125.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 79.692 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY011396.D

Acq: 10 Nov 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

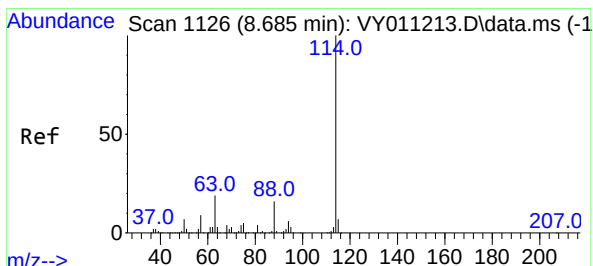
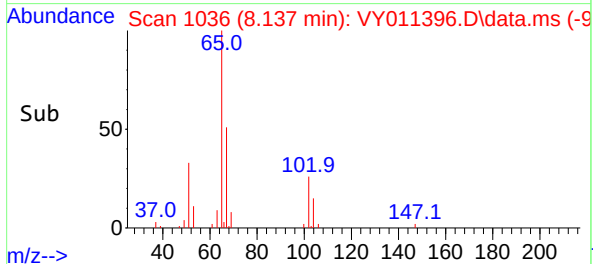
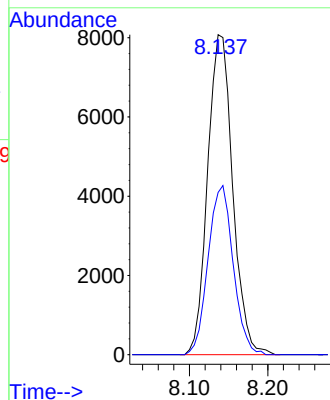
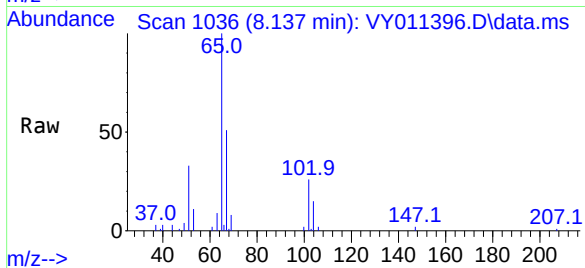
SB-34

Tgt Ion: 65 Resp: 17969

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011396.D

Acq: 10 Nov 2022 17:24

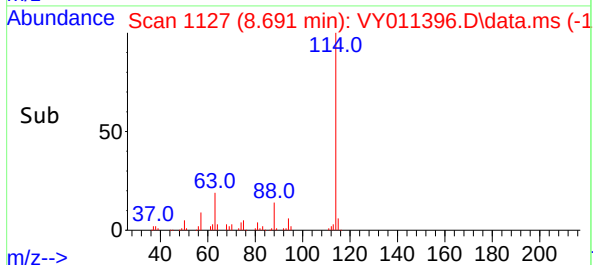
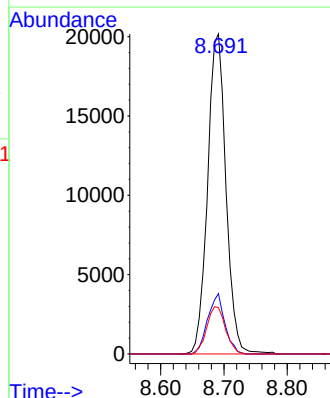
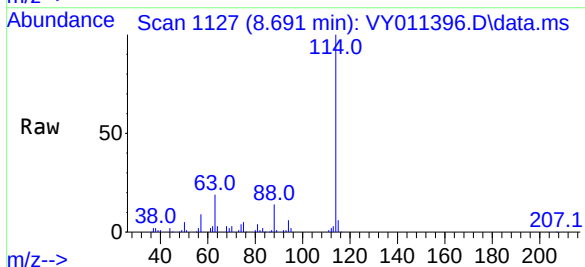
Tgt Ion: 114 Resp: 40725

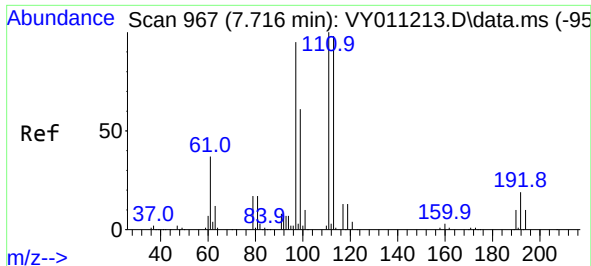
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.5 0.0 31.8

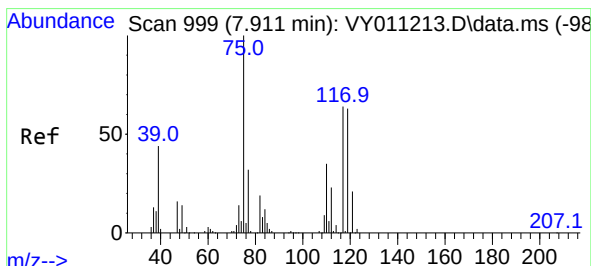
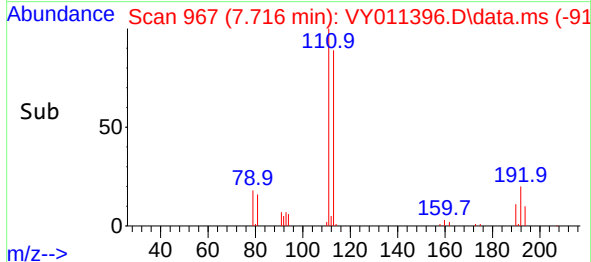
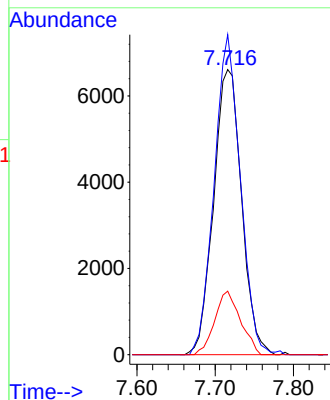
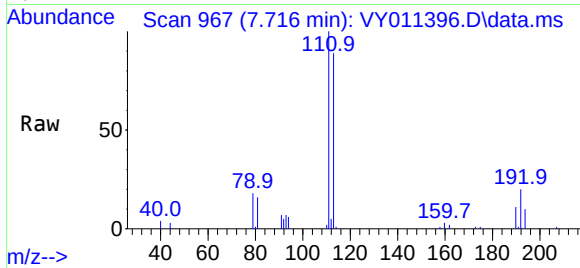




#35
Dibromofluoromethane
Concen: 71.865 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

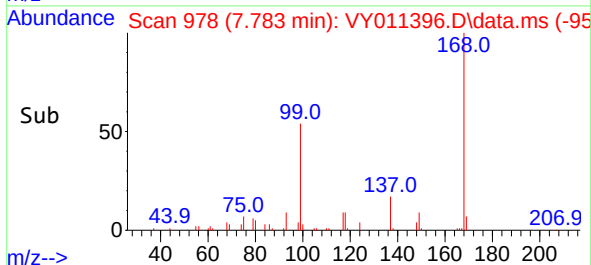
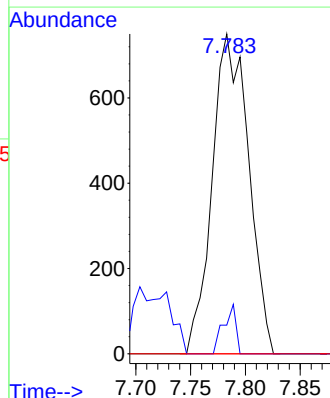
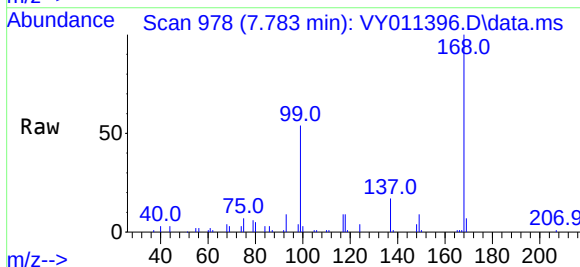
Instrument :
MSVOA_Y
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SB-34

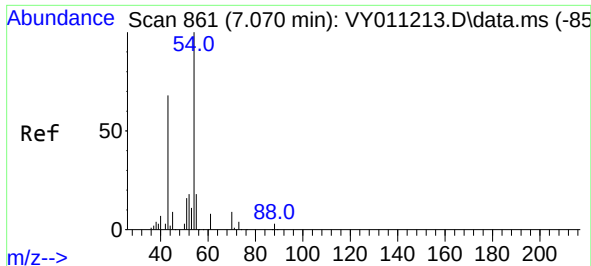
Tgt Ion:113 Resp: 16402
Ion Ratio Lower Upper
113 100
111 104.9 82.6 124.0
192 20.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 75 Resp: 1734
Ion Ratio Lower Upper
75 100
110 5.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.413 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY011396.D

Acq: 10 Nov 2022 17:24

Instrument :

MSVOA_Y

ClientSampleId :

SB-34

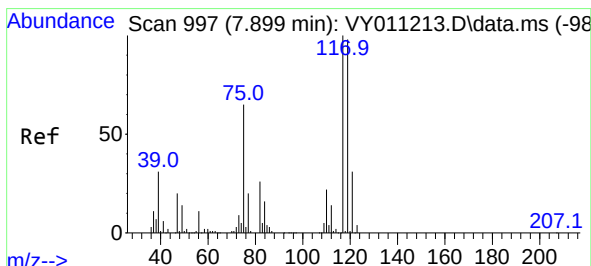
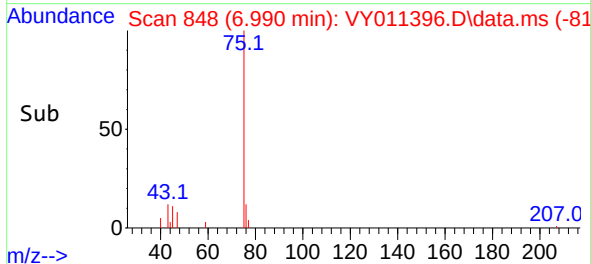
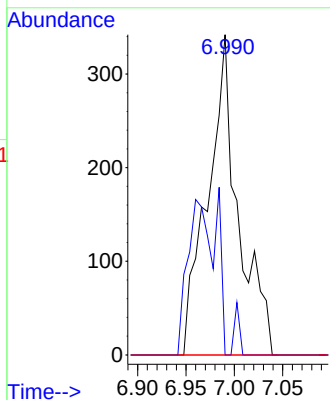
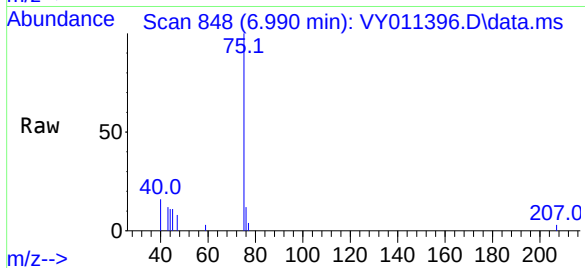
Tgt Ion: 43 Resp: 751

Ion Ratio Lower Upper

43 100

61 44.7 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.519 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011396.D

Acq: 10 Nov 2022 17:24

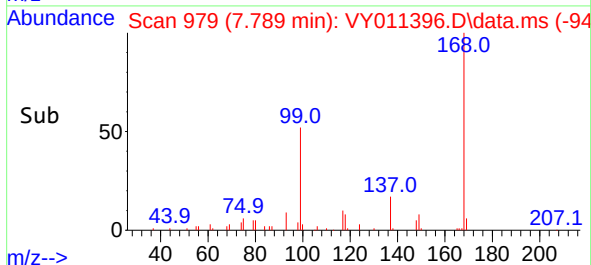
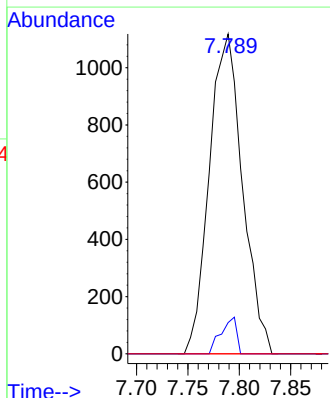
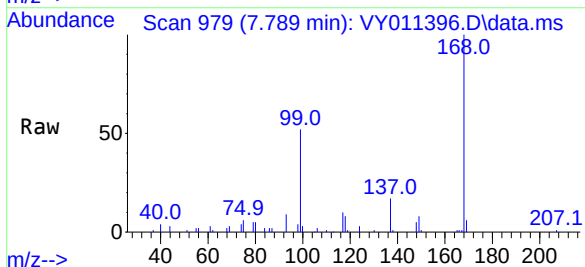
Tgt Ion: 117 Resp: 2512

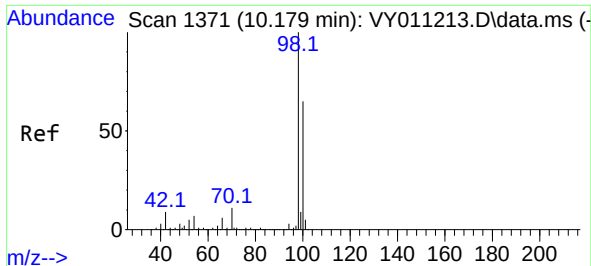
Ion Ratio Lower Upper

117 100

119 9.7 77.9 116.9#

121 0.0 24.8 37.2#

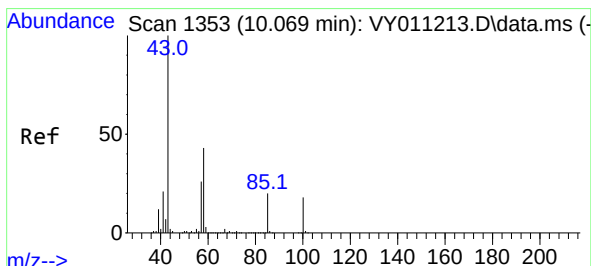
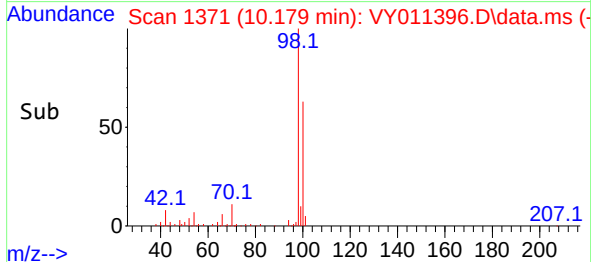
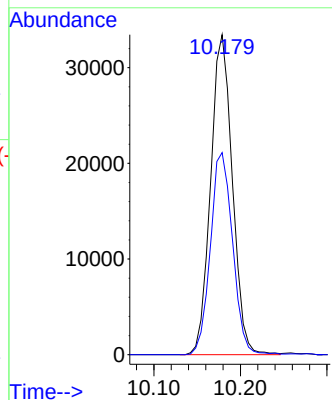
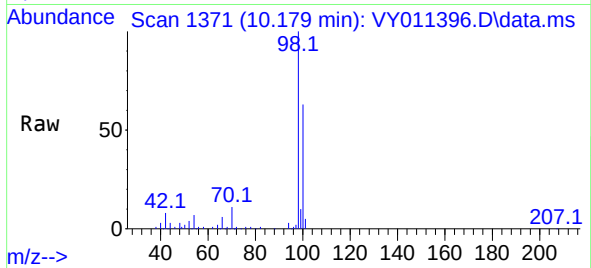




#50
Toluene-d8
Concen: 66.852 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

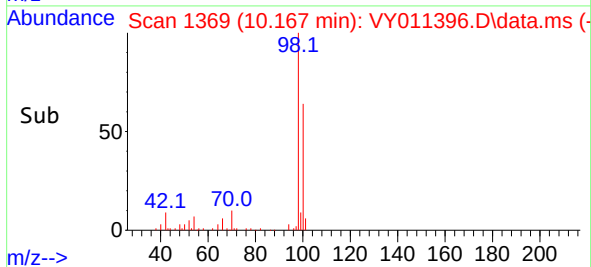
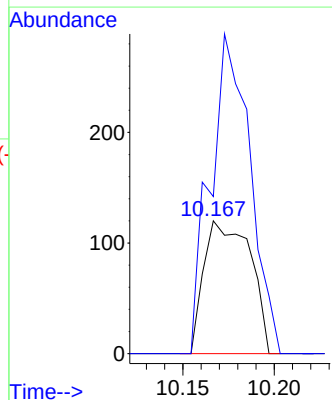
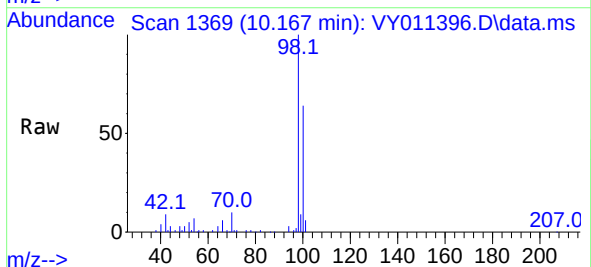
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

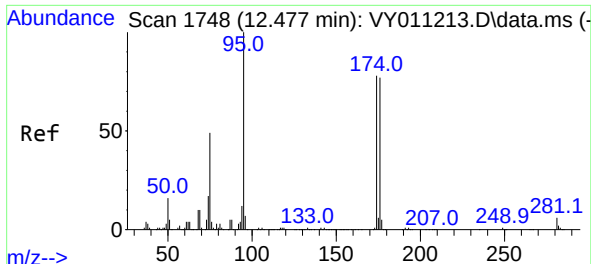
Tgt Ion: 98 Resp: 58289
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.278 ug/l
RT: 10.167 min Scan# 1369
Delta R.T. 0.098 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 207.6 28.1 42.1#

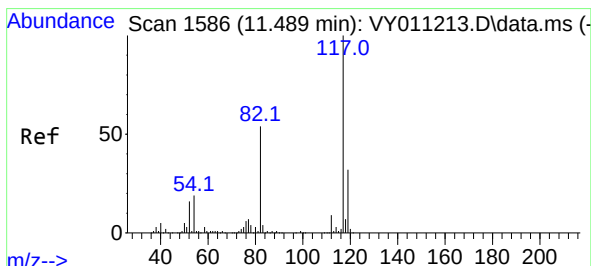
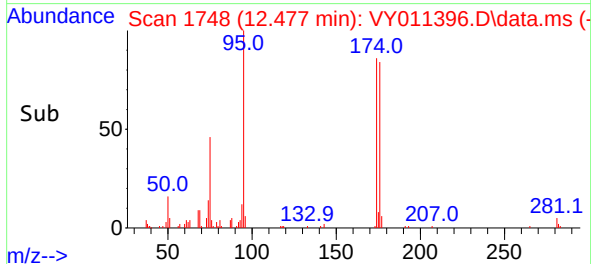
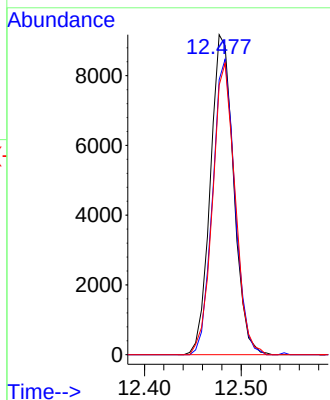
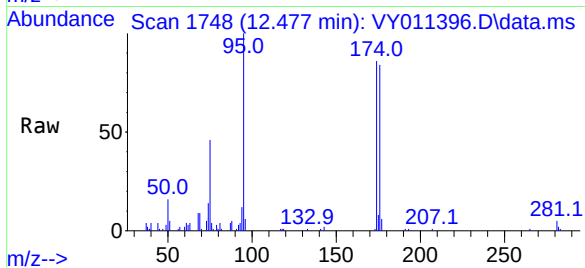




#62
4-Bromofluorobenzene
Concen: 50.352 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

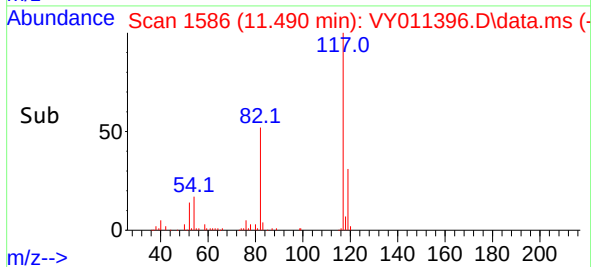
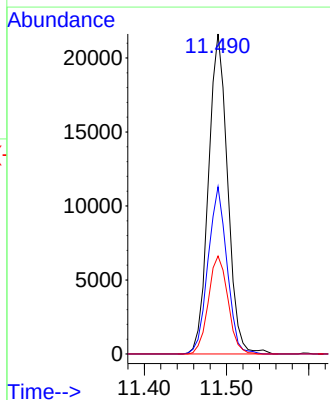
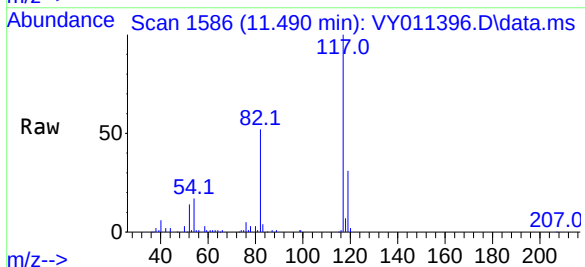
Instrument :
MSVOA_Y
ClientSampleId :
SB-34

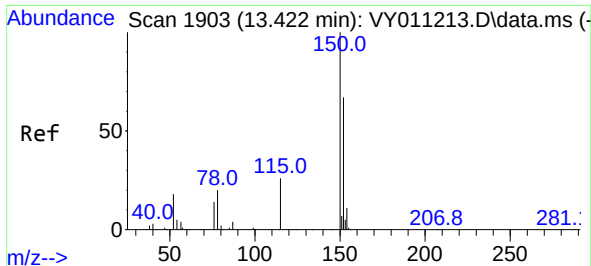
Tgt Ion: 95 Resp: 15313
Ion Ratio Lower Upper
95 100
174 88.2 0.0 177.0
176 87.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011396.D
Acq: 10 Nov 2022 17:24

Tgt Ion: 117 Resp: 34974
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 30.6 25.4 38.0

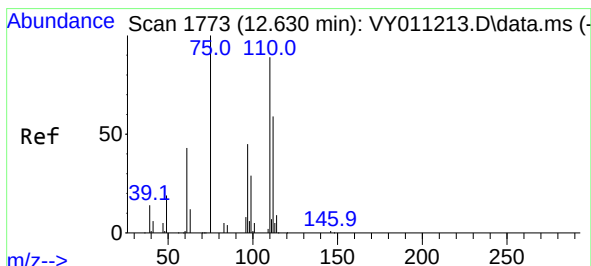
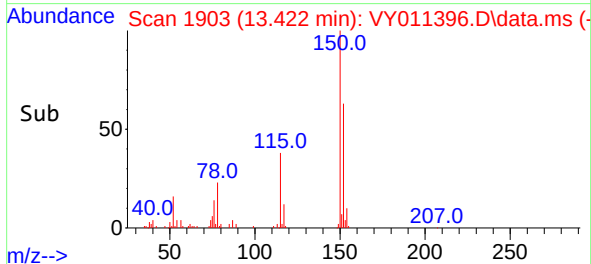
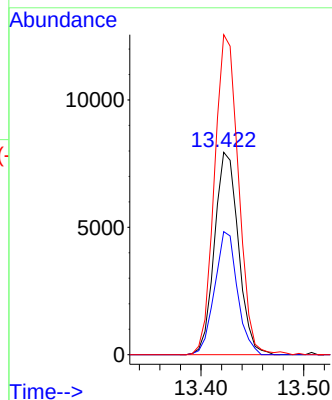
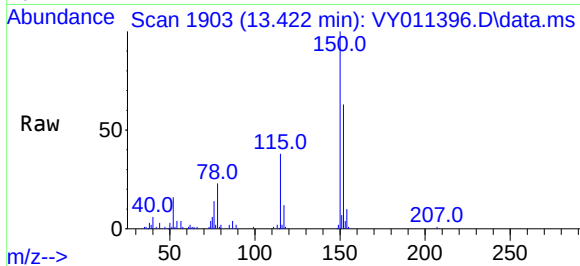




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011396.D
 Acq: 10 Nov 2022 17:24

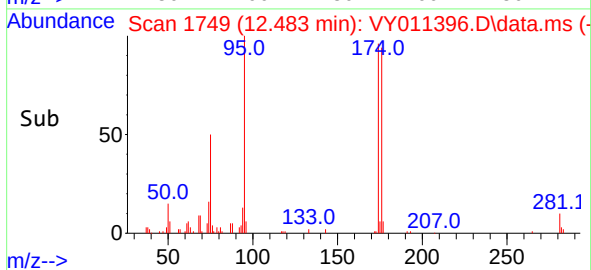
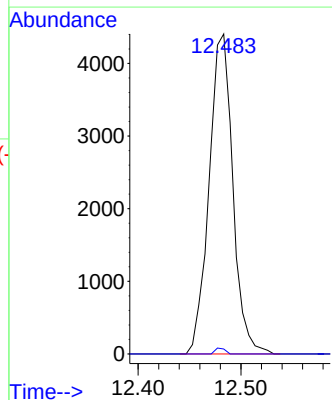
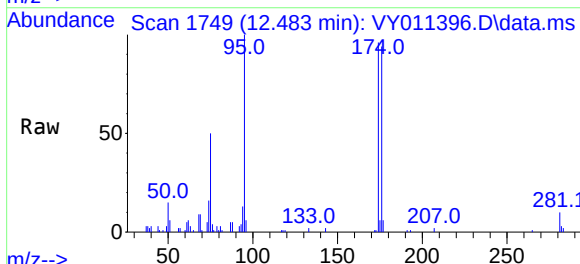
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-34

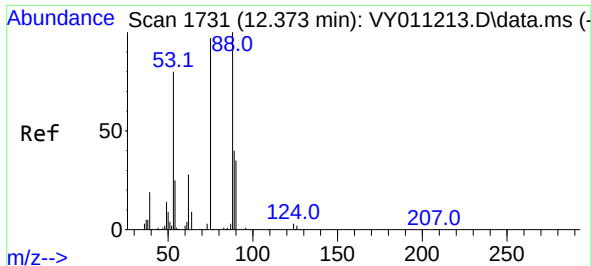
Tgt Ion:152 Resp: 12830
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.2 84.7
 150 159.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.579 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011396.D
 Acq: 10 Nov 2022 17:24

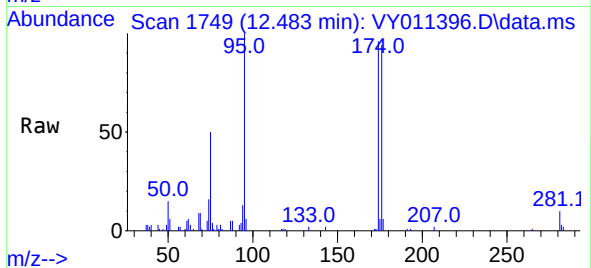
Tgt Ion: 75 Resp: 7066
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.365 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011396.D
 Acq: 10 Nov 2022 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-34



Tgt Ion: 75 Resp: 7066
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

