

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019396.D
 Acq On : 30 Aug 2024 15:26
 Operator : SY/MD
 Sample : P3727-03
 Misc : 3.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 30 16:20:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

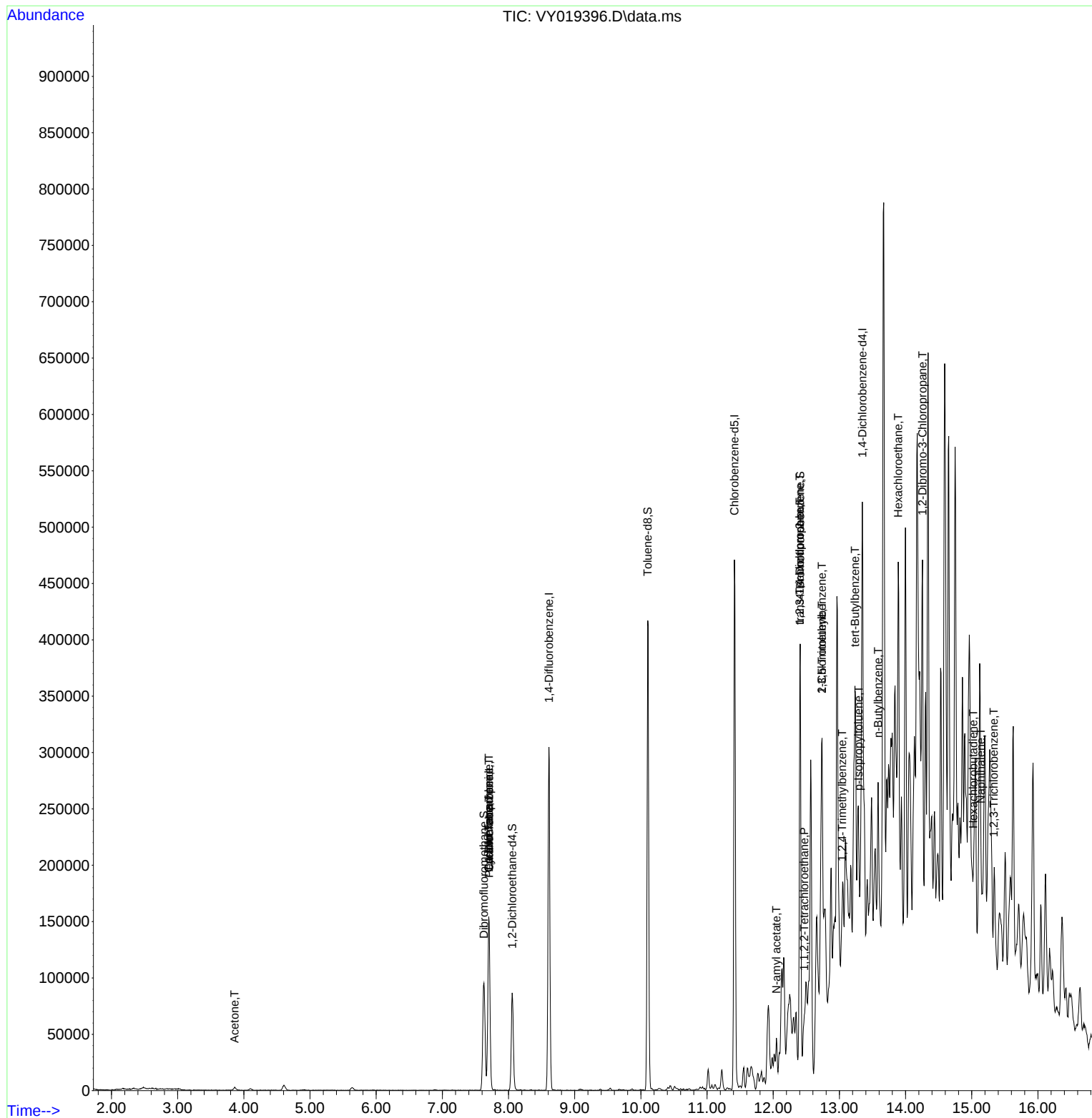
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	122907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	255680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	102973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	65830	56.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.100%
35) Dibromofluoromethane	7.628	113	71190	44.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.080%
50) Toluene-d8	10.103	98	269197	45.238	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.480%
62) 4-Bromofluorobenzene	12.408	95	103530	53.791	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	107.580%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	267	Below Cal	#	36
16) Acetone	3.860	43	4356	19.024	ug/l #	85
20) Methylene Chloride	4.610	84	3583	Below Cal		94
31) Cyclohexane	7.701	56	2399	1.212	ug/l #	10
36) 1,1-Dichloropropene	7.701	75	9073	3.972	ug/l #	48
38) Carbon Tetrachloride	7.701	117	11846	4.255	ug/l #	17
74) N-amyl acetate	12.048	43	9238	5.851	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.469	83	5327	4.365	ug/l #	26
76) 1,2,3-Trichloropropane	12.402	75	54460	60.223	ug/l #	100
79) 2-Chlorotoluene	12.737	91	5537	1.002	ug/l	77
80) 1,3,5-Trimethylbenzene	12.737	105	29641	4.582	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.402	75	54460	148.996	ug/l #	18
83) tert-Butylbenzene	13.237	119	23563	3.982	ug/l	74
84) 1,2,4-Trimethylbenzene	13.042	105	11131	1.792	ug/l	97
86) p-Isopropyltoluene	13.292	119	9843	1.393	ug/l	93
89) n-Butylbenzene	13.584	91	15814	2.437	ug/l #	1
90) Hexachloroethane	13.889	117	9274	6.477	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.255	75	875	6.279	ug/l #	1
94) Hexachlorobutadiene	15.023	225	86	3.587	ug/l #	55
95) Naphthalene	15.139	128	19161	7.251	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.334	180	1602	1.160	ug/l #	56

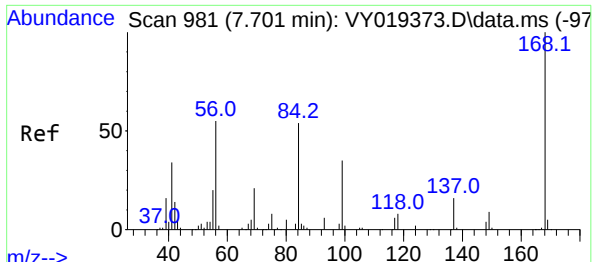
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 3.26g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

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MSVOA_Y
ClientSampleId :

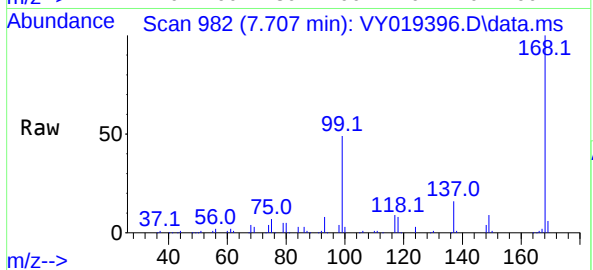
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 02:45:30 2024
Response via : Initial Calibration



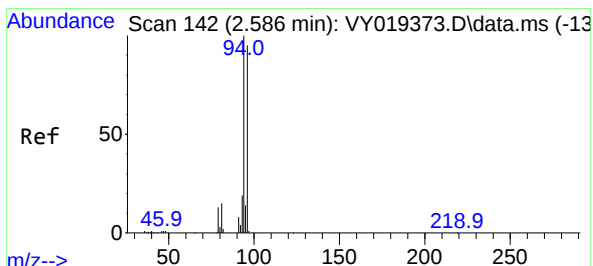
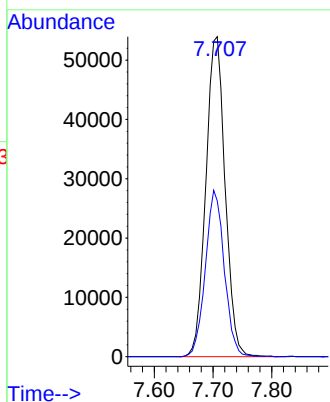
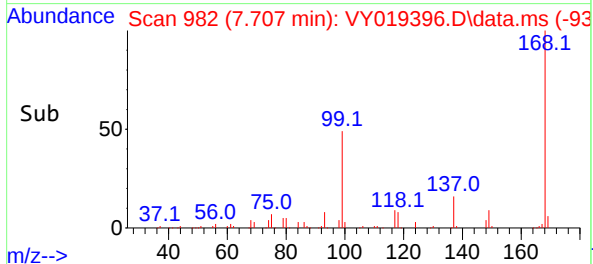


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :

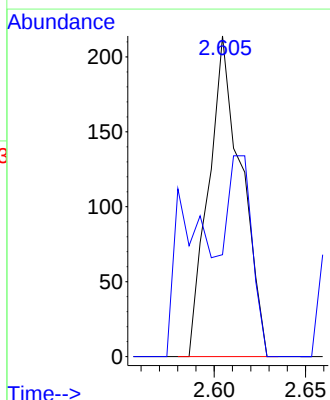
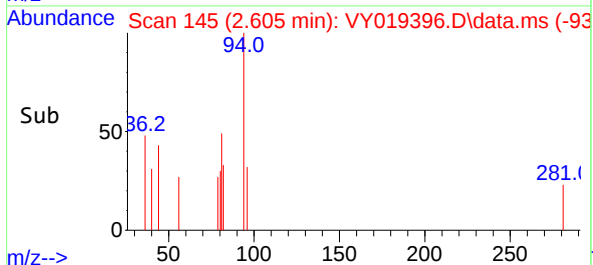
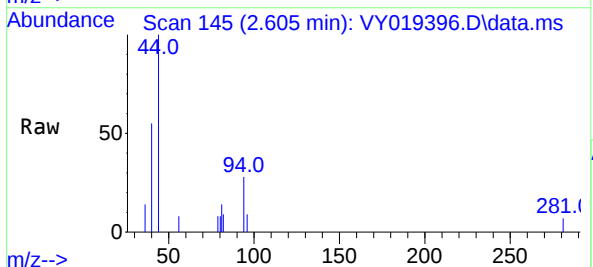


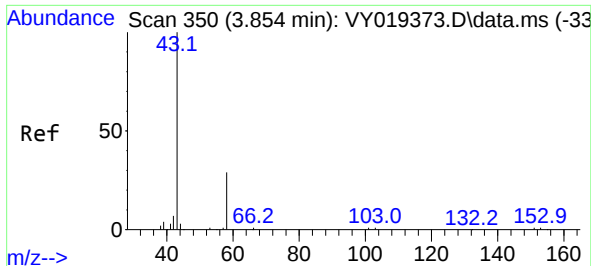
Tgt Ion:168 Resp: 122907
Ion Ratio Lower Upper
168 100
99 48.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.605 min Scan# 145
Delta R.T. 0.019 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 31.8 74.1 111.1#

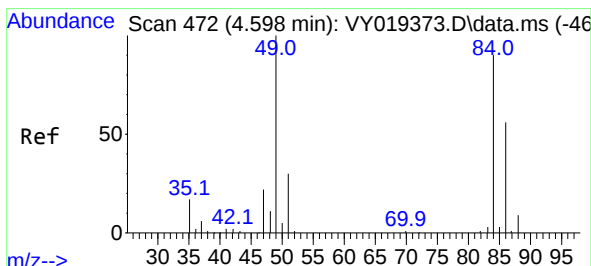
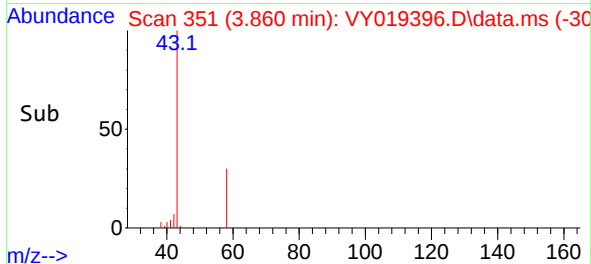
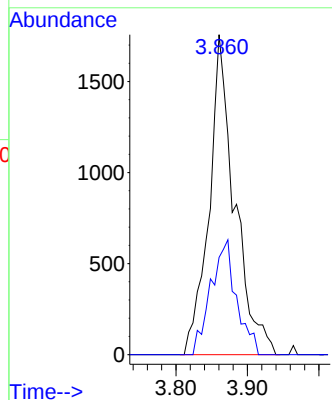
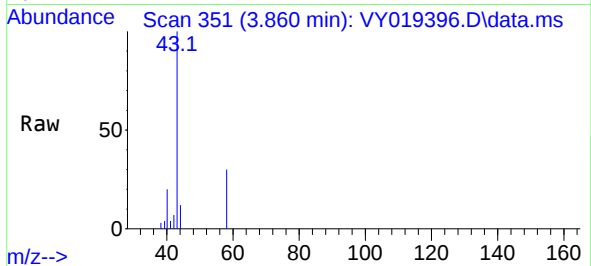




#16
Acetone
Concen: 19.024 ug/l
RT: 3.860 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

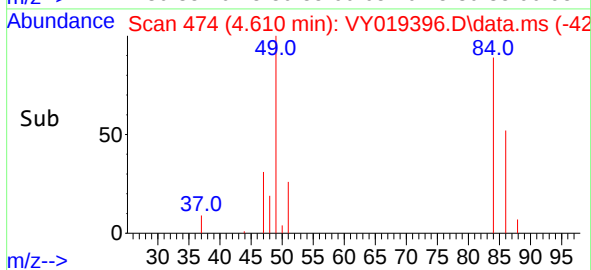
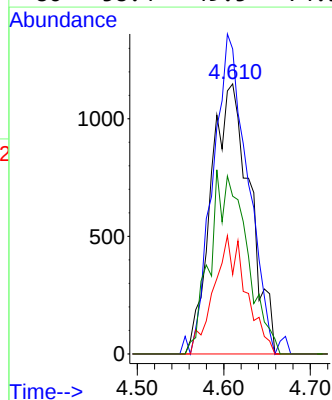
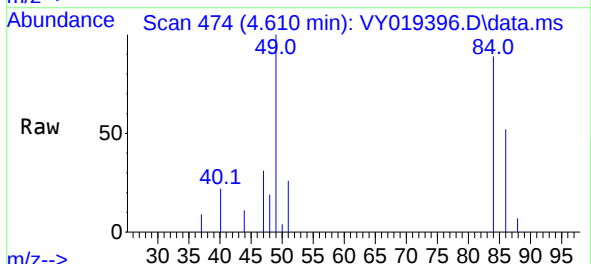
Instrument :
MSVOA_Y
ClientSampleId :

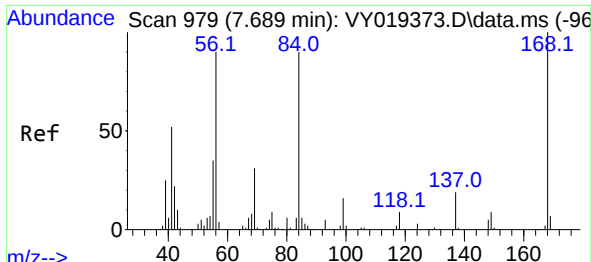
Tgt Ion: 43 Resp: 4356
Ion Ratio Lower Upper
43 100
58 30.4 31.7 47.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.012 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

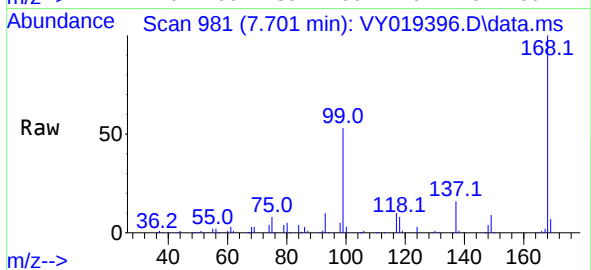
Tgt Ion: 84 Resp: 3583
Ion Ratio Lower Upper
84 100
49 112.9 84.4 126.6
51 29.4 26.0 39.0
86 58.4 49.5 74.3



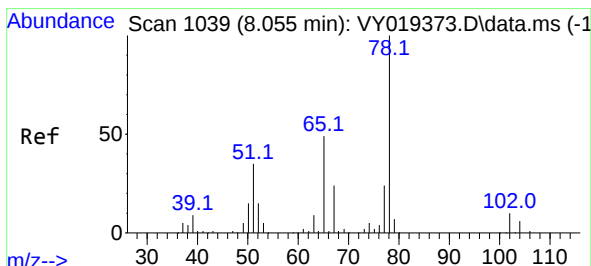
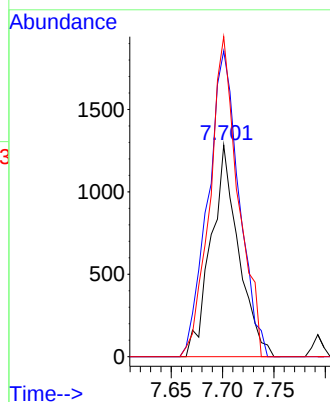
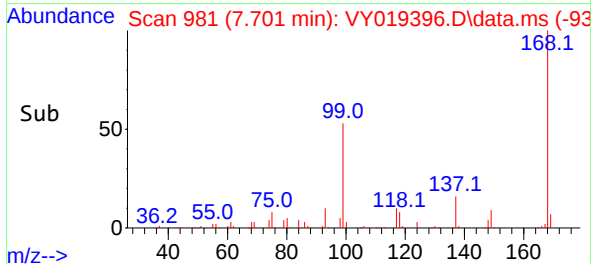


#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :

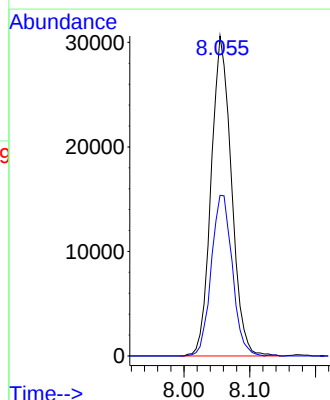
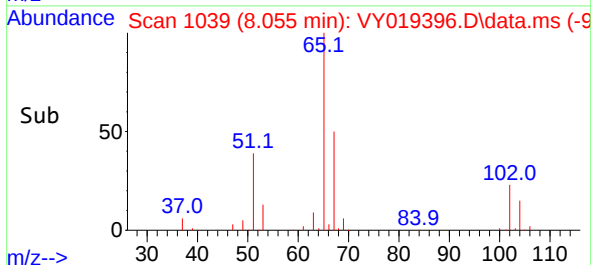
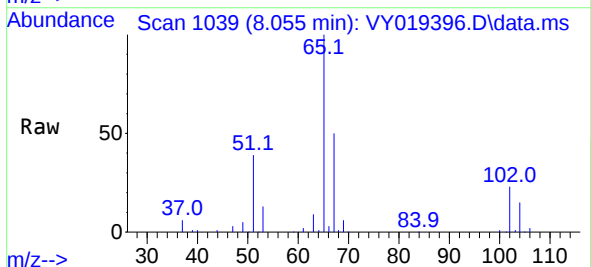


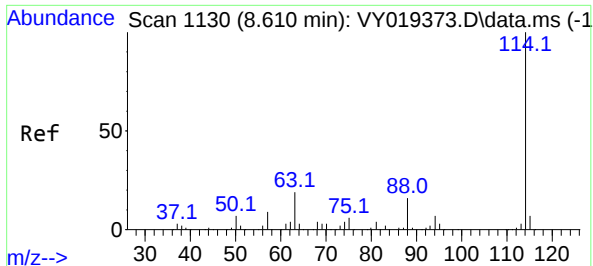
Tgt Ion: 56 Resp: 2399
Ion Ratio Lower Upper
56 100
69 144.4 28.7 43.1#
84 151.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.548 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Tgt Ion: 65 Resp: 65830
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6

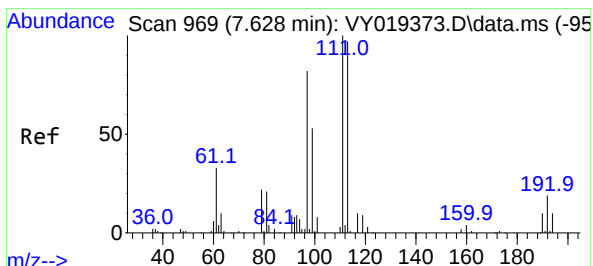
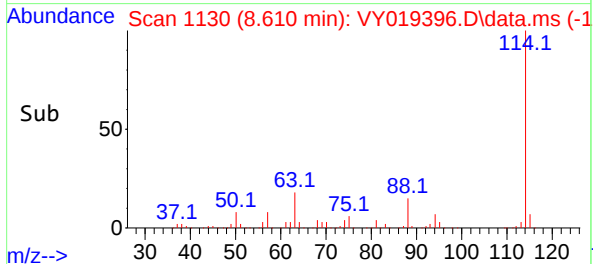
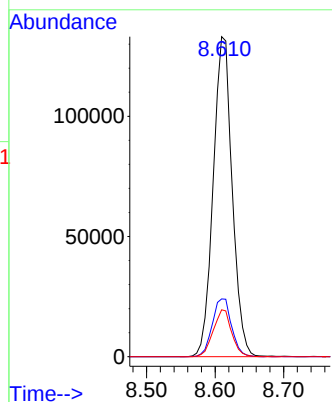
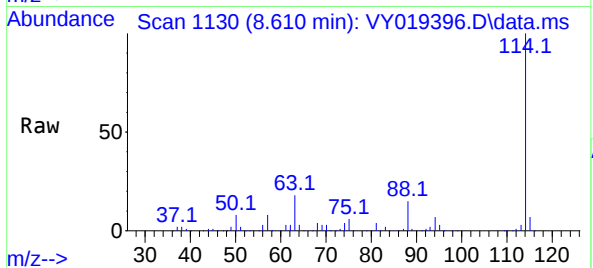




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

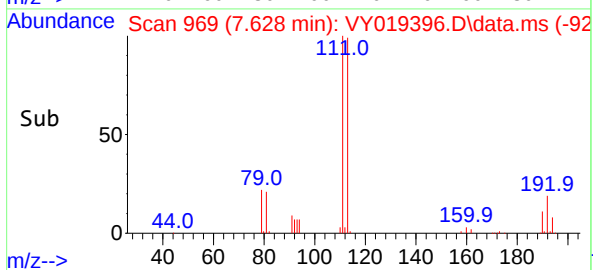
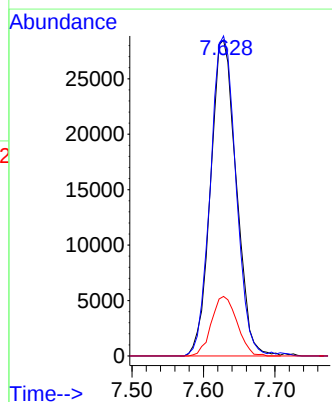
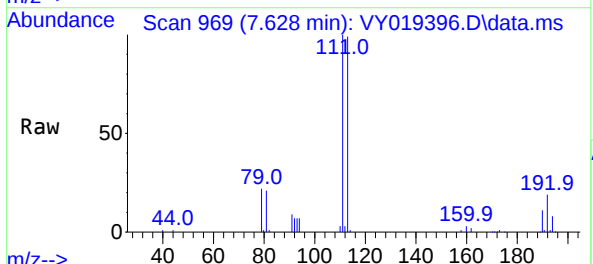
Instrument :
MSVOA_Y
ClientSampleId :

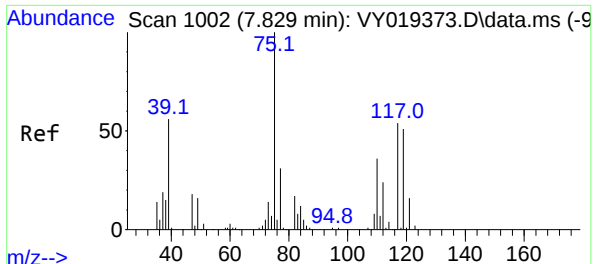
Tgt Ion:114 Resp: 255680
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.0
88 14.6 0.0 27.2



#35
Dibromofluoromethane
Concen: 44.040 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

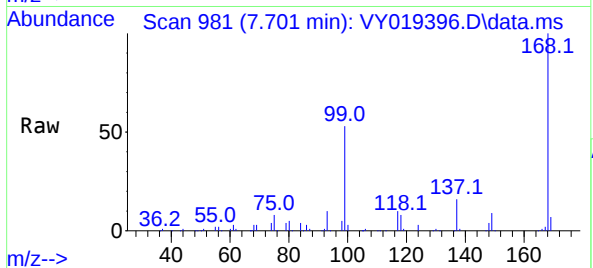
Tgt Ion:113 Resp: 71190
Ion Ratio Lower Upper
113 100
111 100.2 82.2 123.4
192 18.7 15.9 23.9



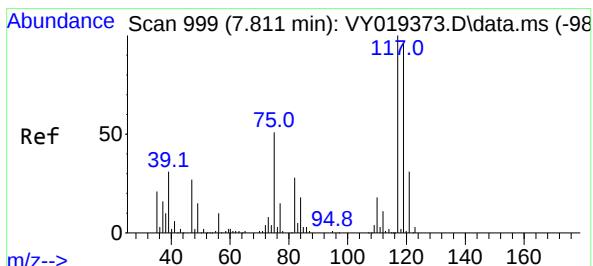
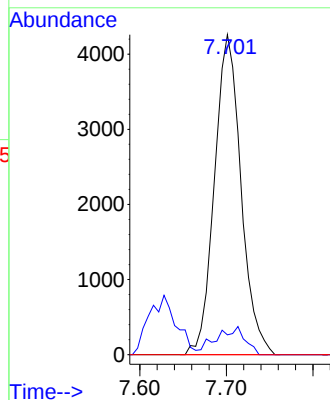
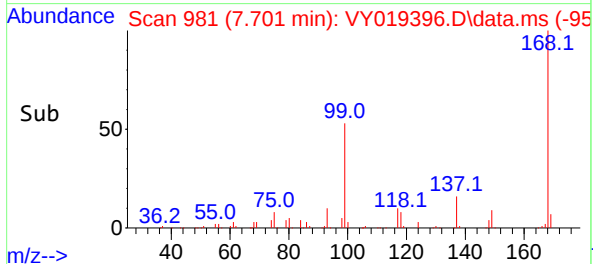


#36
1,1-Dichloropropene
Concen: 3.972 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :

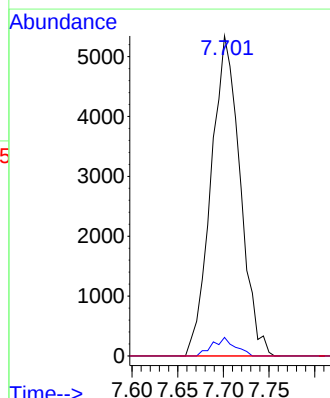
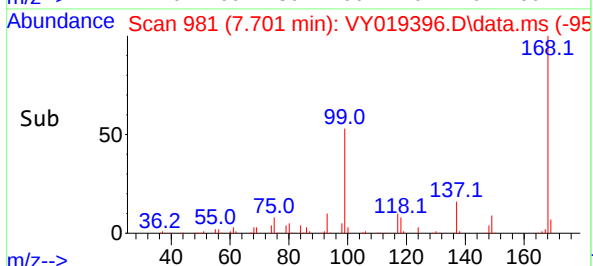
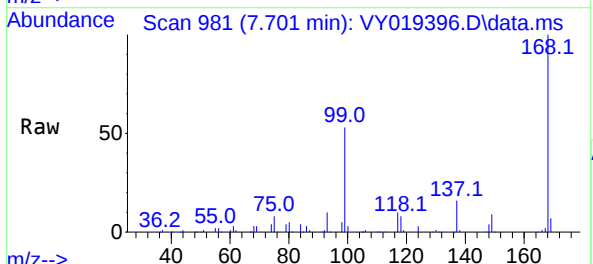


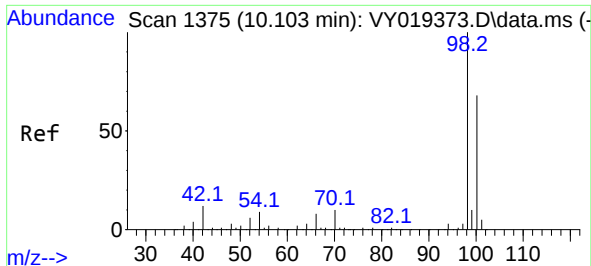
Tgt Ion: 75 Resp: 9073
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.255 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Tgt Ion: 117 Resp: 11846
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.0 36.0#

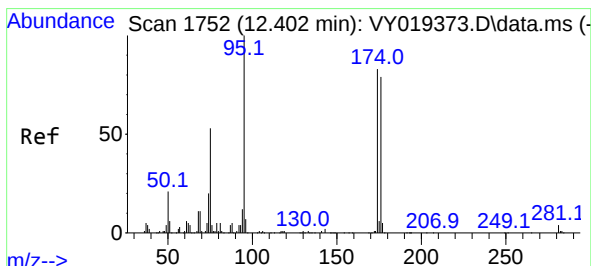
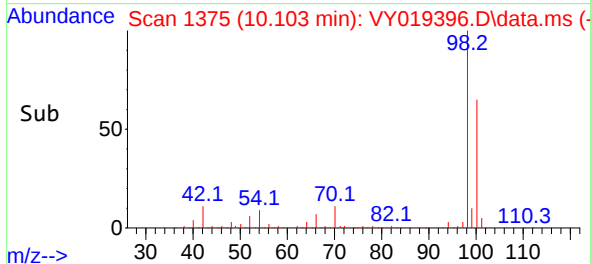
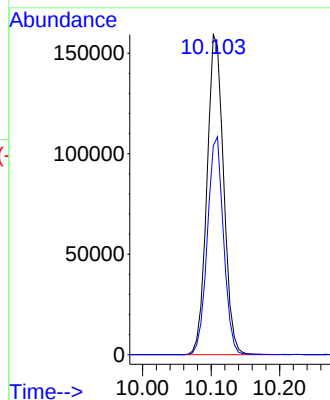
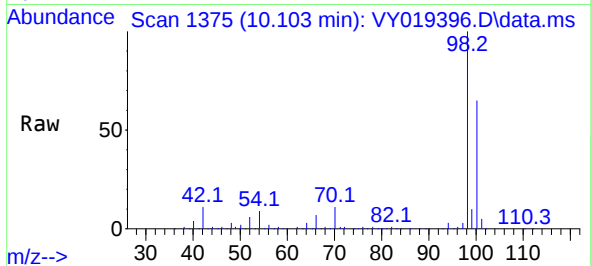




#50
Toluene-d8
Concen: 45.238 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

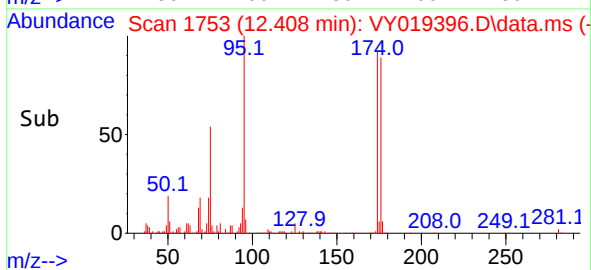
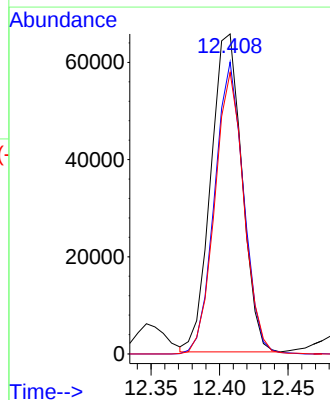
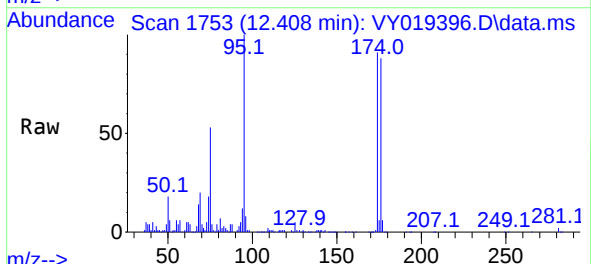
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MSVOA_Y
ClientSampleId :

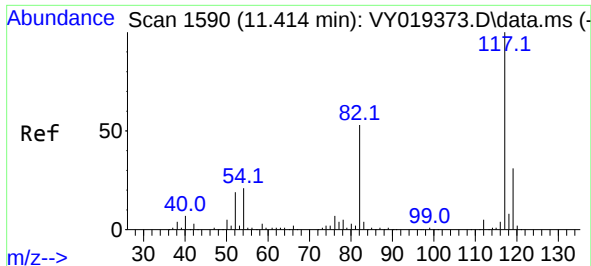
Tgt Ion: 98 Resp: 269197
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.791 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

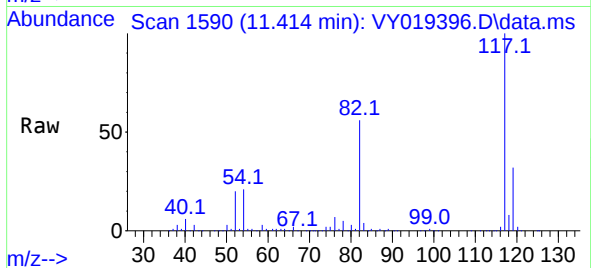
Tgt Ion: 95 Resp: 103530
Ion Ratio Lower Upper
95 100
174 85.4 0.0 175.6
176 82.8 0.0 171.4



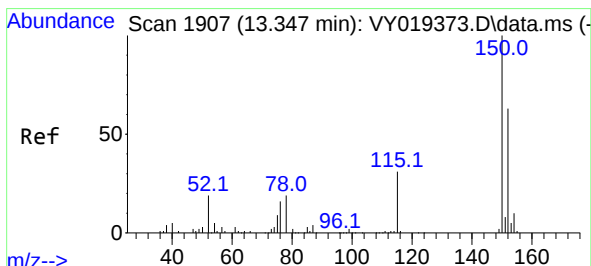
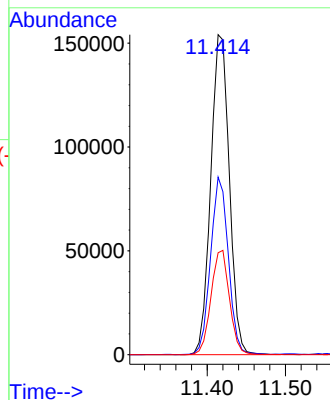
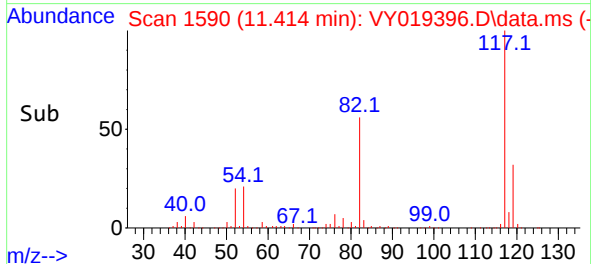


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :

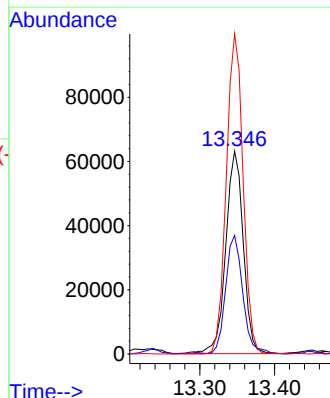
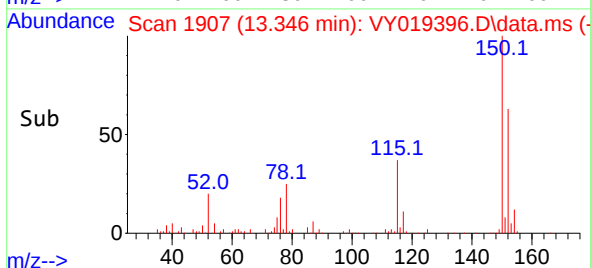
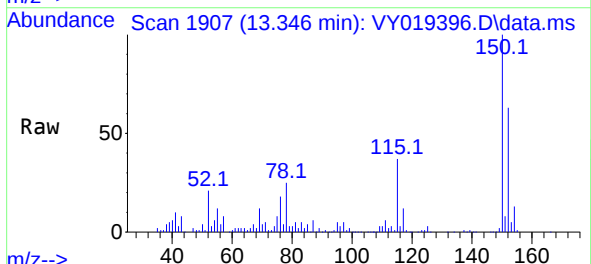


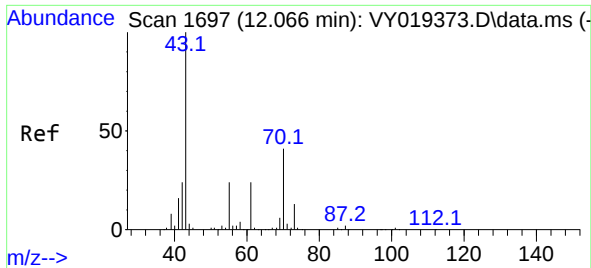
Tgt Ion:117 Resp: 254053
Ion Ratio Lower Upper
117 100
82 55.4 42.4 63.6
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

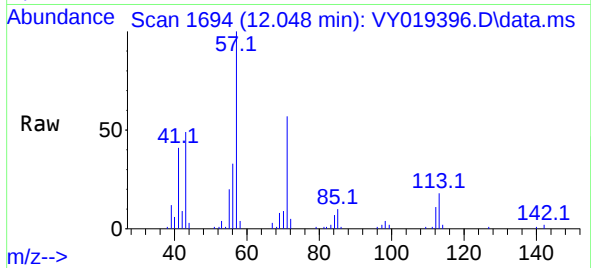
Tgt Ion:152 Resp: 102973
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 151.4 0.0 345.6





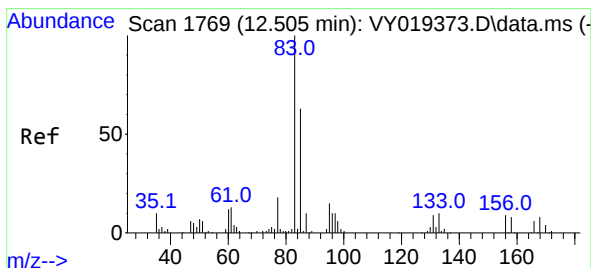
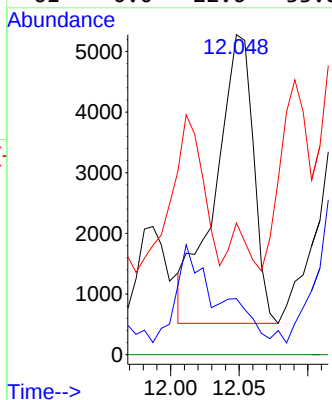
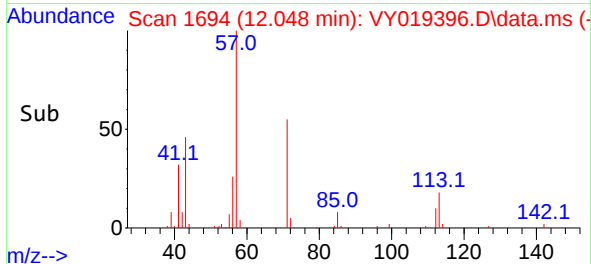
#74
N-amy1 acetate
Concen: 5.851 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :

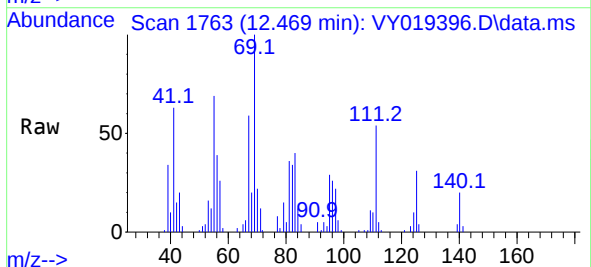


Tgt Ion: 43 Resp: 9238

Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.2#
55	0.0	23.3	34.9#
61	0.0	22.6	33.8#

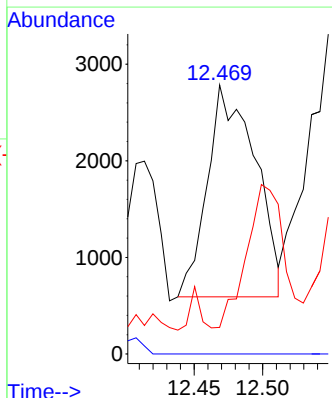
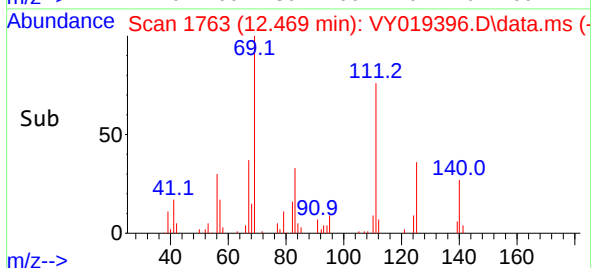


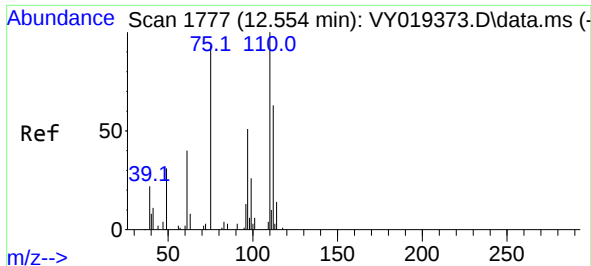
#75
1,1,2,2-Tetrachloroethane
Concen: 4.365 ug/l
RT: 12.469 min Scan# 1763
Delta R.T. -0.037 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26



Tgt Ion: 83 Resp: 5327

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.0	96.0#

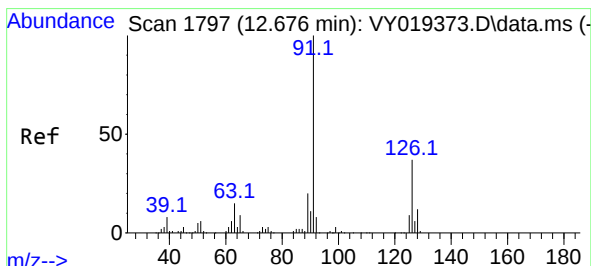
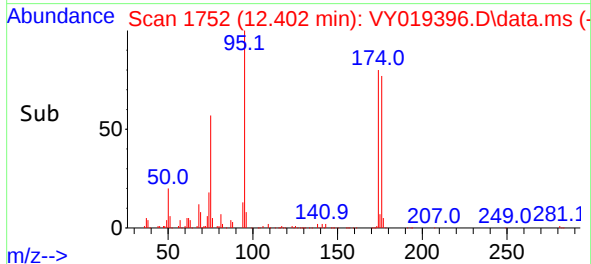
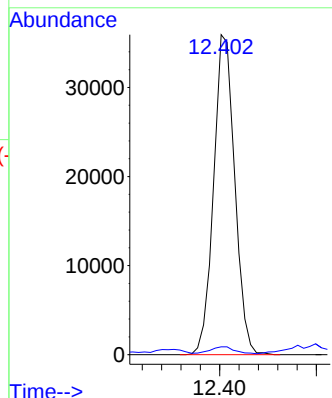
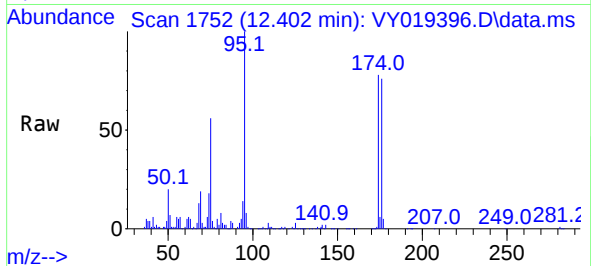




#76
1,2,3-Trichloropropane
Concen: 60.223 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

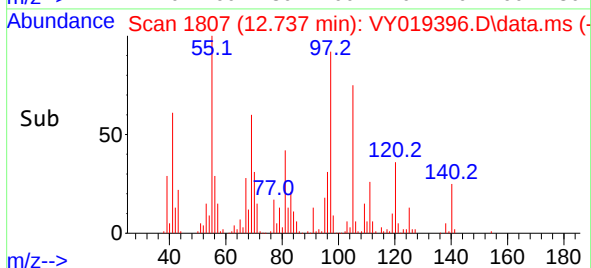
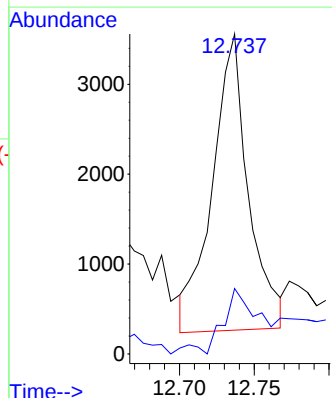
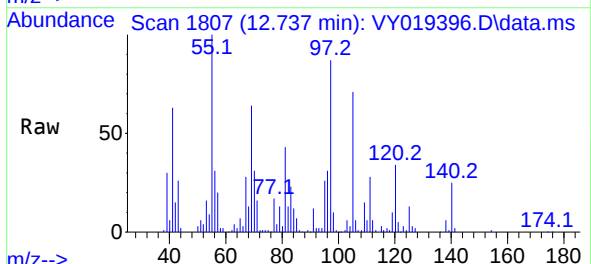
Instrument :
MSVOA_Y
ClientSampleId :

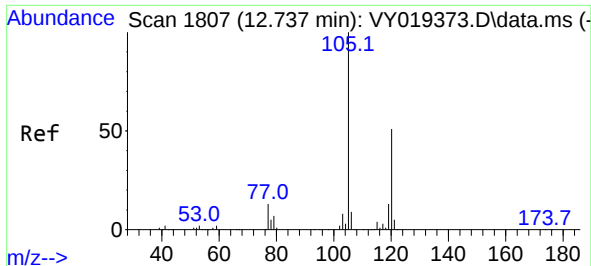
Tgt Ion: 75 Resp: 54460
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.002 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.061 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Tgt Ion: 91 Resp: 5537
Ion Ratio Lower Upper
91 100
126 22.2 17.8 53.5

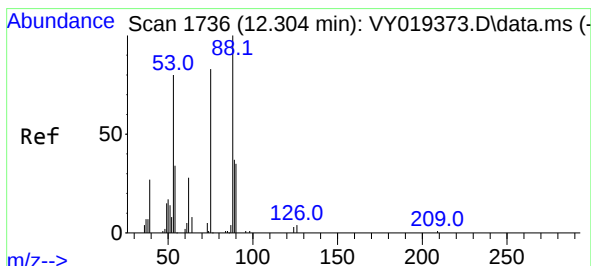
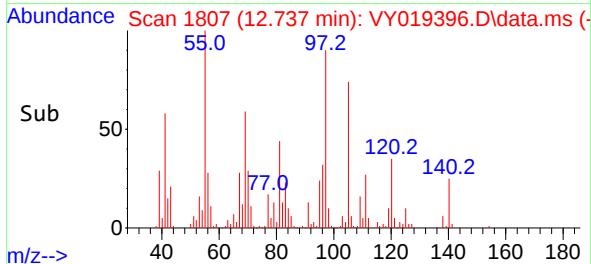
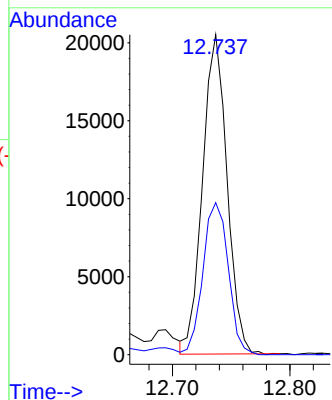
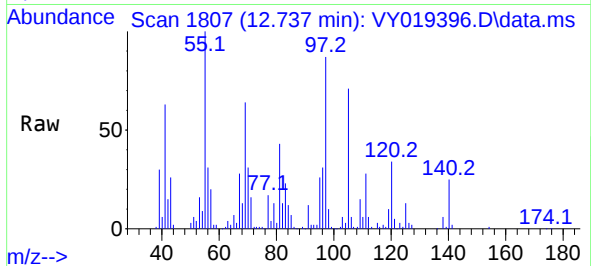




#80
1,3,5-Trimethylbenzene
Concen: 4.582 ug/l
RT: 12.737 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

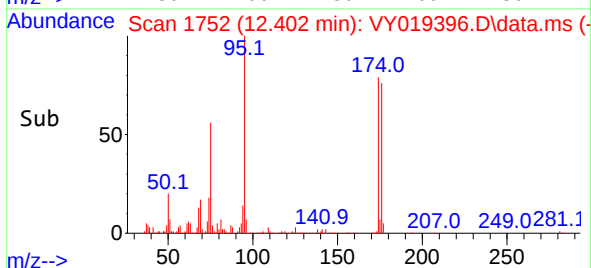
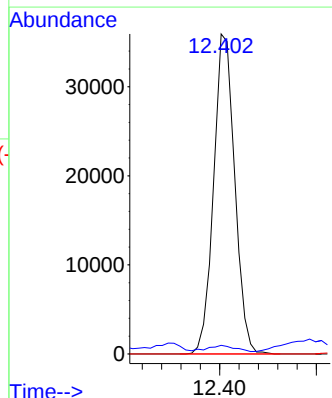
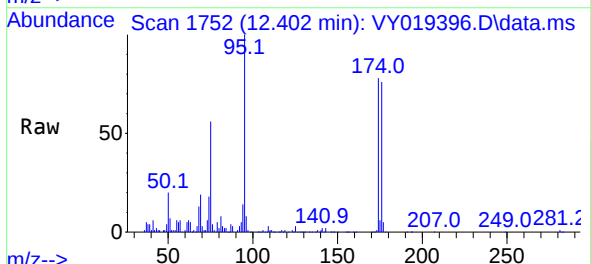
Instrument :
MSVOA_Y
ClientSampleId :

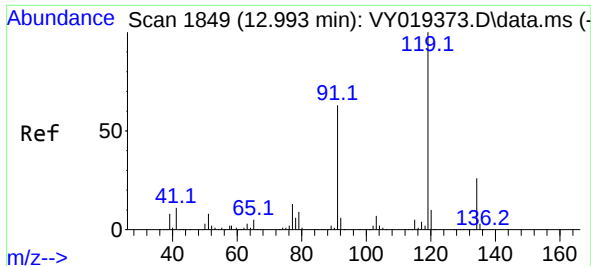
Tgt Ion:105 Resp: 29641
Ion Ratio Lower Upper
105 100
120 49.3 25.1 75.2



#81
trans-1,4-Dichloro-2-butene
Concen: 148.996 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Tgt Ion: 75 Resp: 54460
Ion Ratio Lower Upper
75 100
53 2.4 66.8 100.2#
89 0.0 35.8 53.6#





#83

tert-Butylbenzene

Concen: 3.982 ug/l

RT: 13.237 min Scan# 11

Delta R.T. 0.244 min

Lab File: VY019396.D

Acq: 30 Aug 2024 15:26

Instrument :

MSVOA_Y

ClientSampleId :

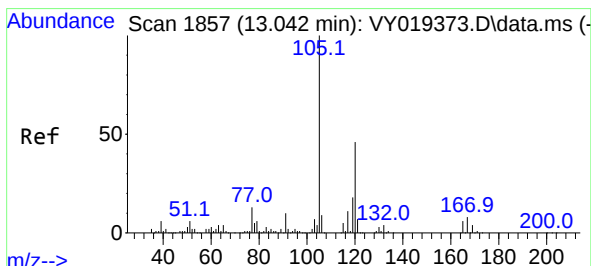
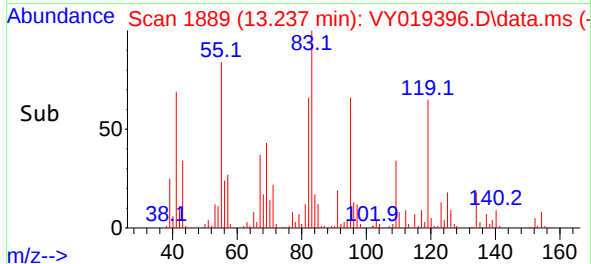
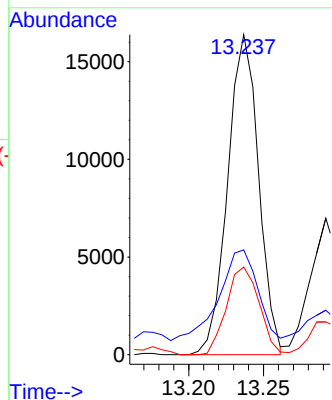
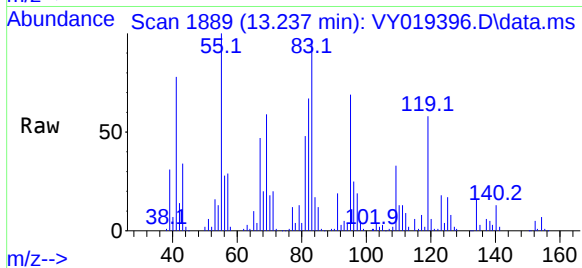
Tgt Ion:119 Resp: 23563

Ion Ratio Lower Upper

119 100

91 35.2 31.3 93.8

134 29.0 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 1.792 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY019396.D

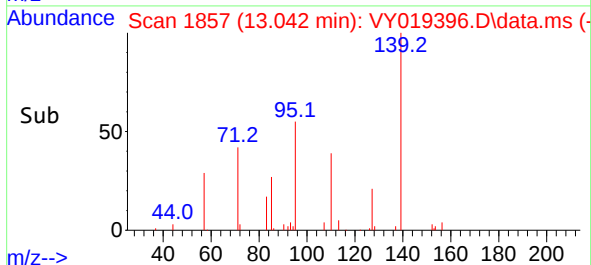
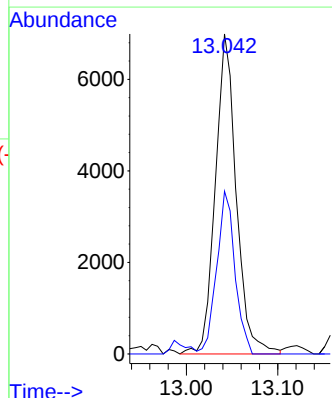
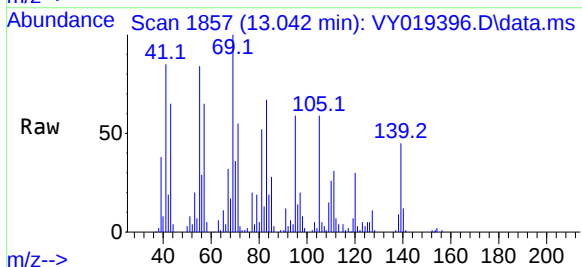
Acq: 30 Aug 2024 15:26

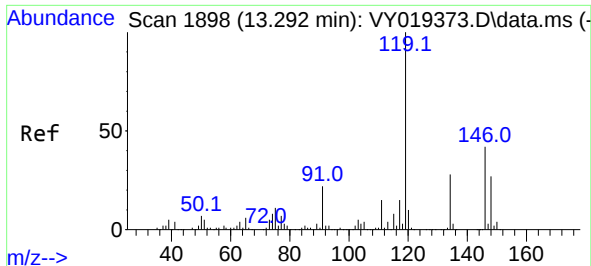
Tgt Ion:105 Resp: 11131

Ion Ratio Lower Upper

105 100

120 44.3 23.2 69.6

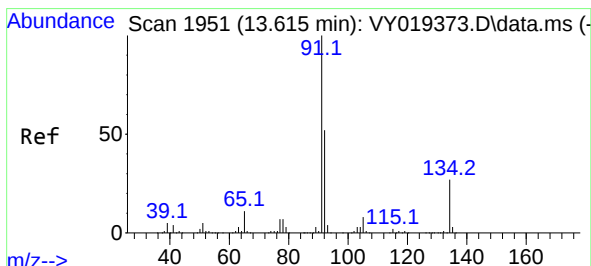
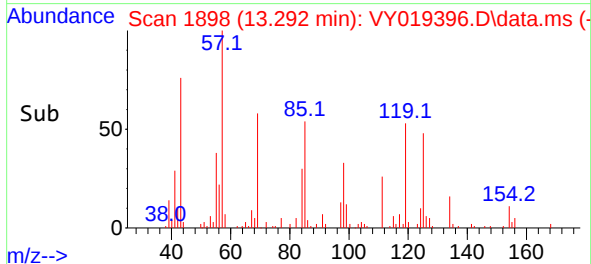
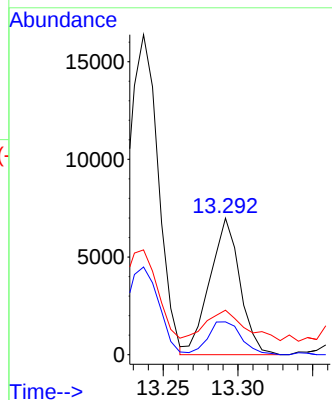
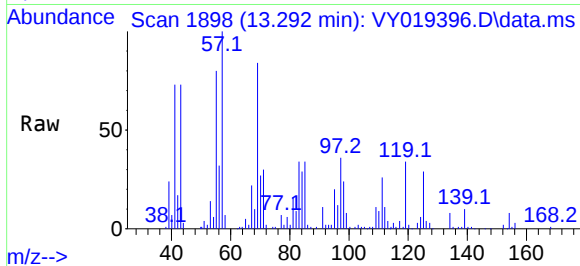




#86
p-Isopropyltoluene
Concen: 1.393 ug/l
RT: 13.292 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

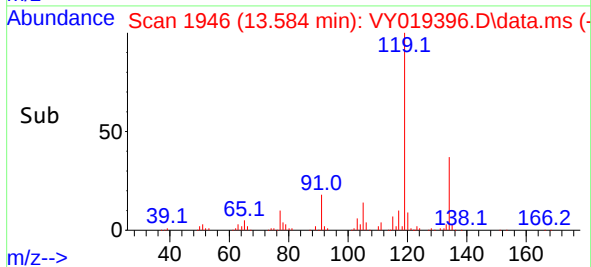
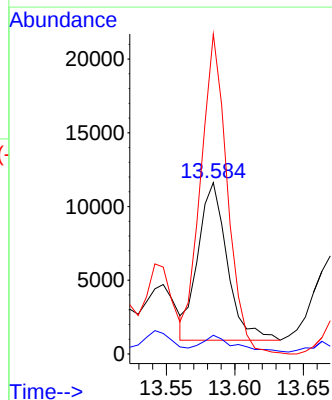
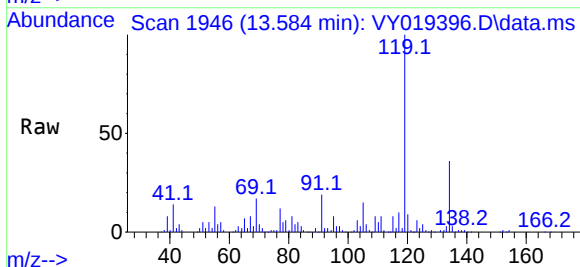
Instrument :
MSVOA_Y
ClientSampleId :

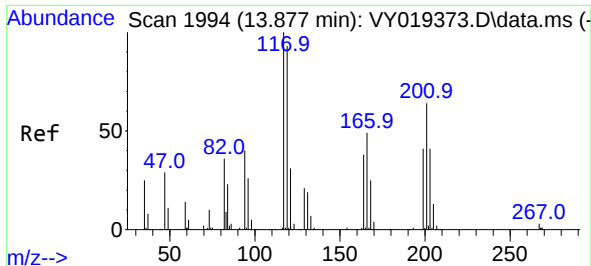
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	28.1	10.7	32.1



#89
n-Butylbenzene
Concen: 2.437 ug/l
RT: 13.584 min Scan# 1946
Delta R.T. -0.031 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	12.5	26.6	79.7#
134	188.0	12.9	38.7#

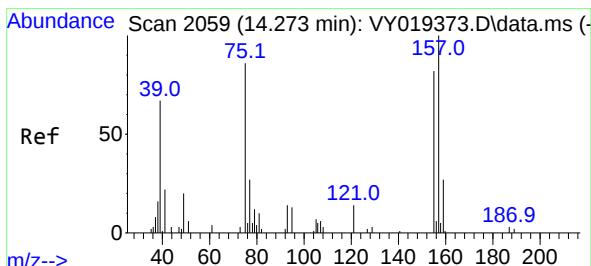
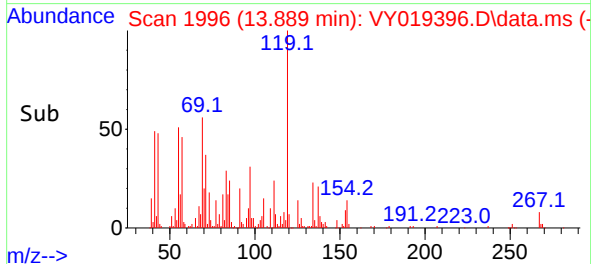
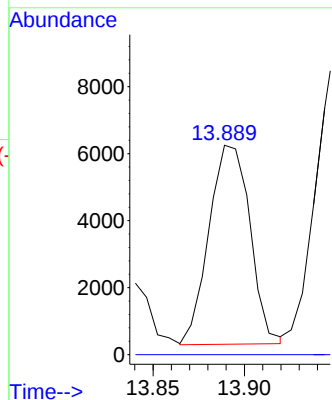
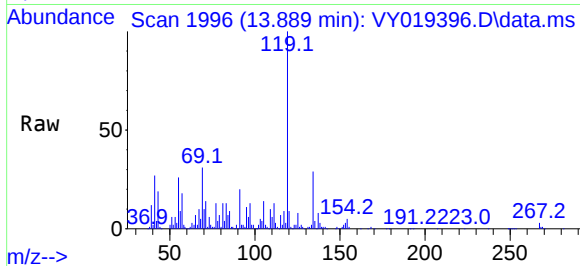




#90
Hexachloroethane
Concen: 6.477 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.012 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

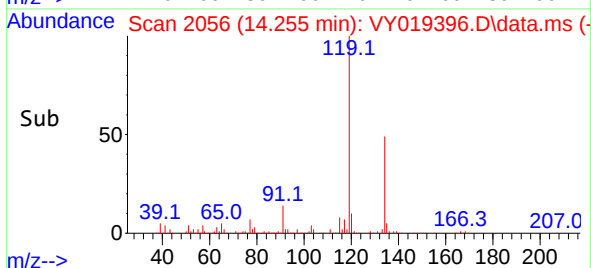
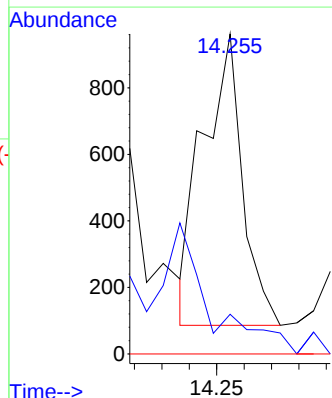
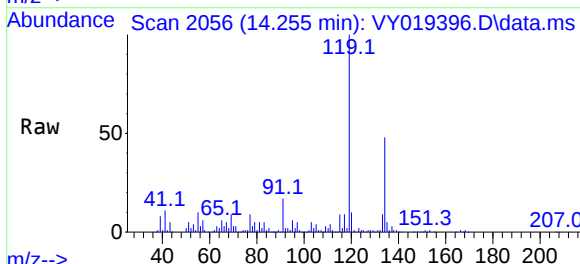
Instrument :
MSVOA_Y
ClientSampleId :

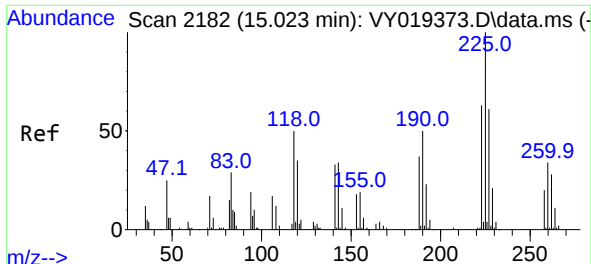
Tgt Ion:117 Resp: 9274
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.279 ug/l
RT: 14.255 min Scan# 2056
Delta R.T. -0.018 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

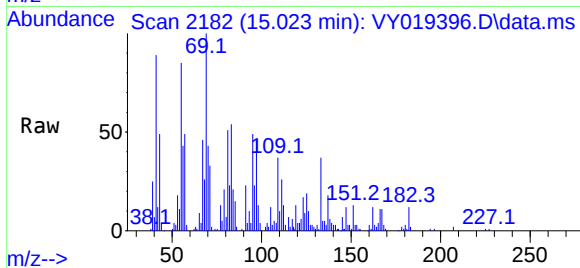
Tgt Ion: 75 Resp: 875
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



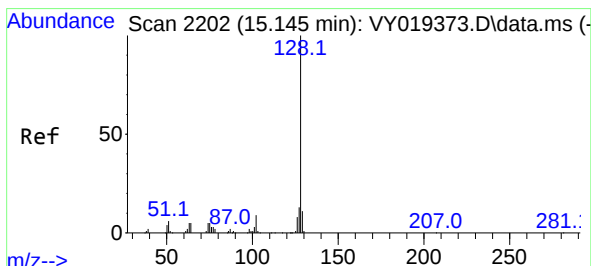
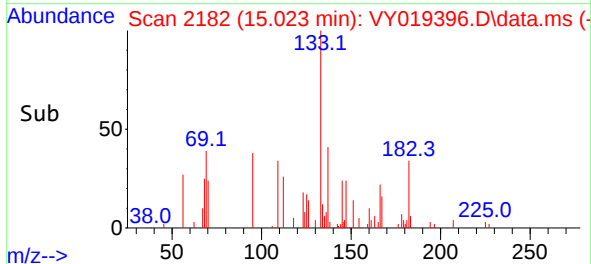
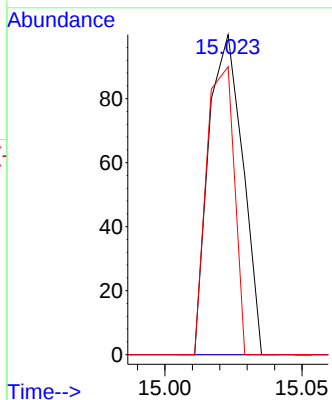


#94
Hexachlorobutadiene
Concen: 3.587 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :

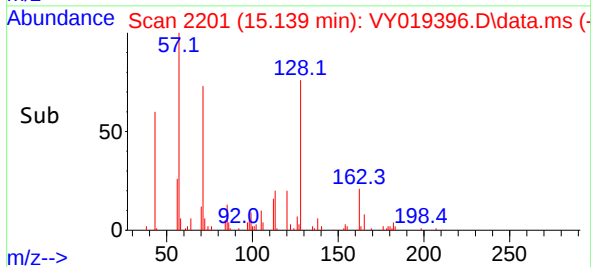
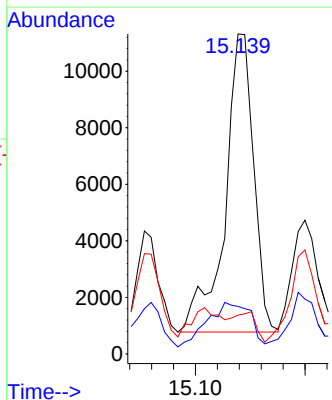
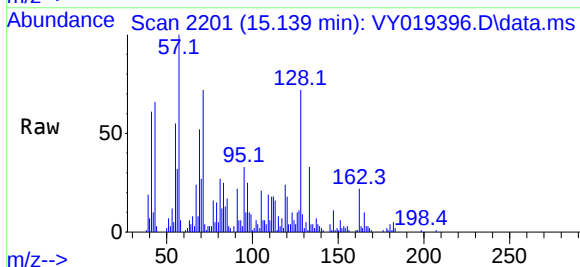


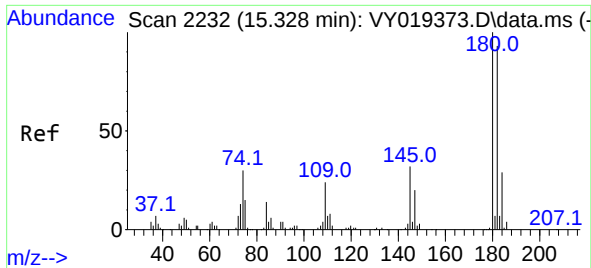
Tgt Ion:225 Resp: 86
Ion Ratio Lower Upper
225 100
223 0.0 30.4 91.2#
227 73.3 31.9 95.9



#95
Naphthalene
Concen: 7.251 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

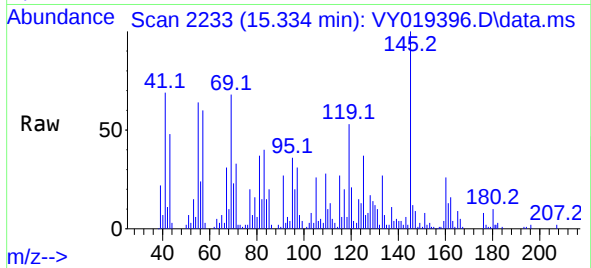
Tgt Ion:128 Resp: 19161
Ion Ratio Lower Upper
128 100
127 22.3 10.6 16.0#
129 0.0 8.6 13.0#





#96
1,2,3-Trichlorobenzene
Concen: 1.160 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY019396.D
Acq: 30 Aug 2024 15:26

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:180 Resp: 1602
Ion Ratio Lower Upper
180 100
182 56.4 47.6 142.9
145 0.0 15.4 46.1#

