

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019367.D
 Acq On : 29 Aug 2024 08:44
 Operator : SY/MD
 Sample : P3727-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 09:06:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

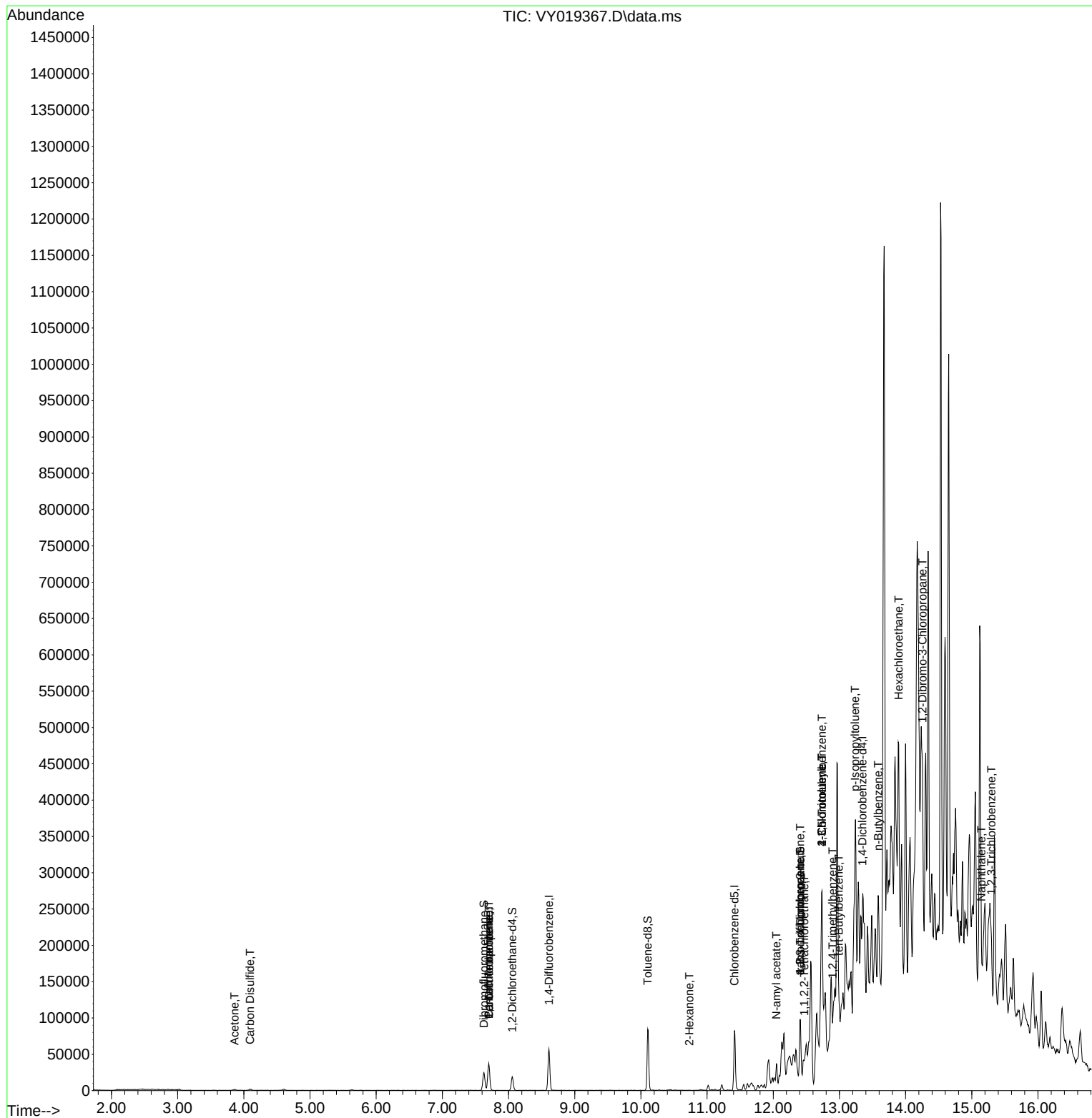
Internal Standards						
1) Pentafluorobenzene	7.701	168	28375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	48962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	44577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	22670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	14032	49.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.660%
35) Dibromofluoromethane	7.628	113	16900	52.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.580%
50) Toluene-d8	10.103	98	55026	47.762	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.520%
62) 4-Bromofluorobenzene	12.407	95	20420	51.993	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	103.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.610	94	243	Below Cal	#	74
6) Chloroethane	2.464	64	22	Below Cal	#	42
13) Acrolein	3.708	56	20	Below Cal	#	15
16) Acetone	3.860	43	2023	38.351	ug/l	94
17) Carbon Disulfide	4.092	76	3402	4.261	ug/l	96
20) Methylene Chloride	4.604	84	905	Below Cal	#	71
31) Cyclohexane	7.689	56	647	Below Cal	#	64
36) 1,1-Dichloropropene	7.701	75	2141	4.870	ug/l #	46
38) Carbon Tetrachloride	7.701	117	3181	6.244	ug/l #	16
59) 2-Hexanone	10.731	43	285	1.984	ug/l #	19
74) N-amyl acetate	12.048	43	6443	17.005	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.468	83	1528	4.940	ug/l #	64
76) 1,2,3-Trichloropropane	12.407	75	9876	44.175	ug/l #	100
79) 2-Chlorotoluene	12.737	91	4766	4.093	ug/l	89
80) 1,3,5-Trimethylbenzene	12.737	105	28605	20.208	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.407	75	9876	109.096	ug/l #	21
82) 4-Chlorotoluene	12.737	91	4766	3.934	ug/l	90
83) tert-Butylbenzene	12.993	119	2133	1.632	ug/l	87
84) 1,2,4-Trimethylbenzene	12.895	105	16314	11.564	ug/l	82
86) p-Isopropyltoluene	13.237	119	22821	14.585	ug/l	87
89) n-Butylbenzene	13.584	91	14986	10.505	ug/l #	1
90) Hexachloroethane	13.895	117	8266	26.802	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.255	75	896	19.690	ug/l #	6
95) Naphthalene	15.145	128	4593	6.305	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.297	180	1785	5.185	ug/l #	1

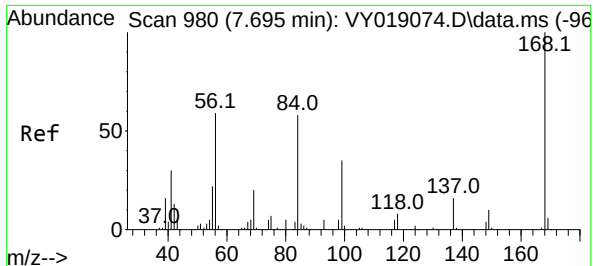
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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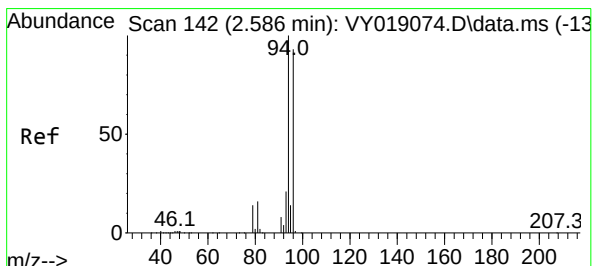
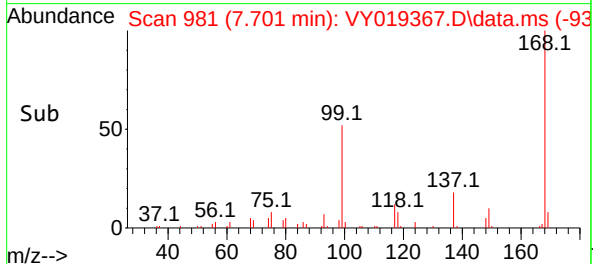
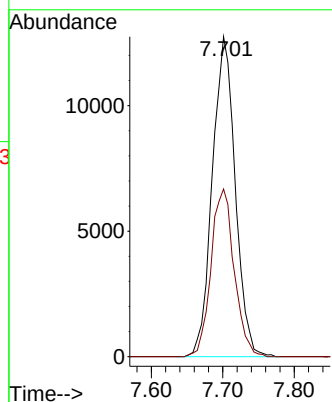
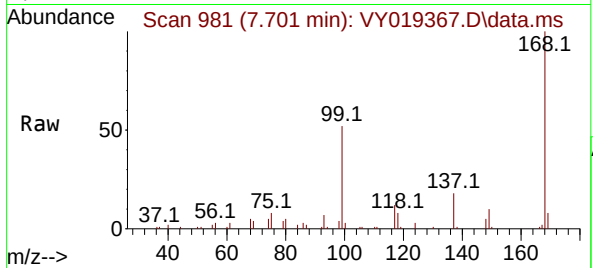




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

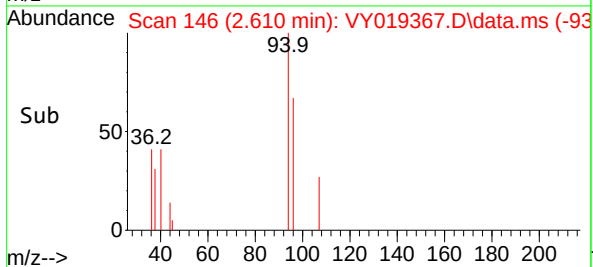
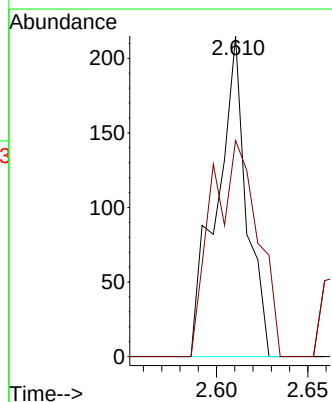
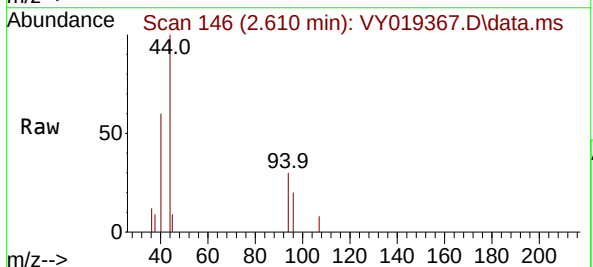
Instrument :
MSVOA_Y
ClientSampleId :

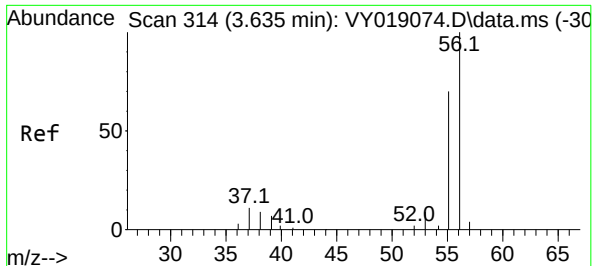
Tgt Ion:168 Resp: 28375
Ion Ratio Lower Upper
168 100
99 52.4 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.610 min Scan# 146
Delta R.T. 0.024 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

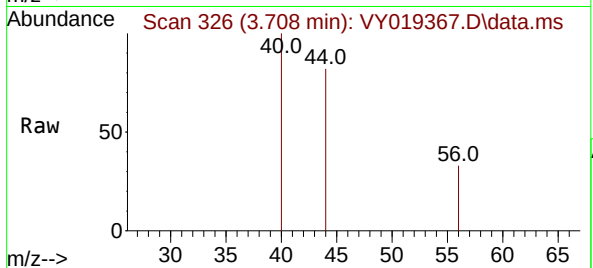
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 67.4 74.1 111.1#



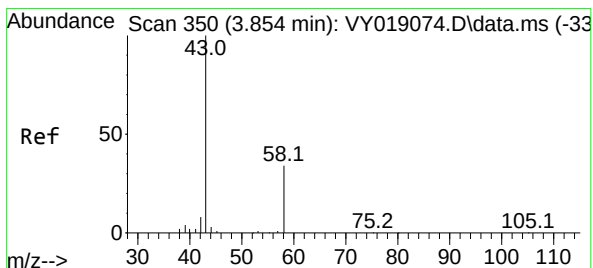
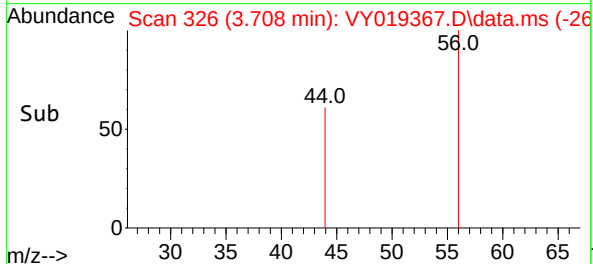
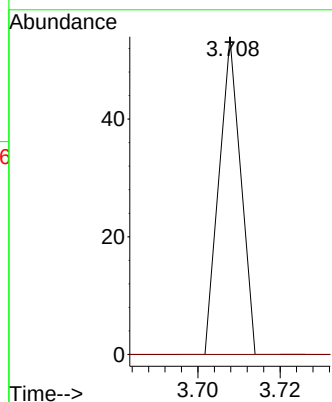


#13
Acrolein
Concen: Below Cal
RT: 3.708 min Scan# 31
Delta R.T. 0.073 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Instrument :
MSVOA_Y
ClientSampleId :

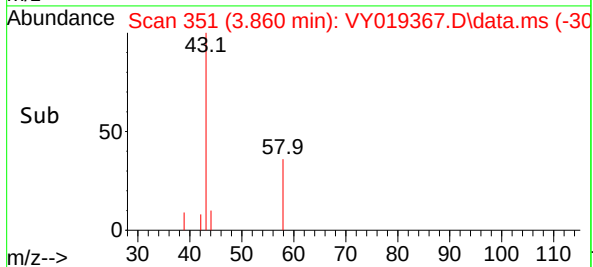
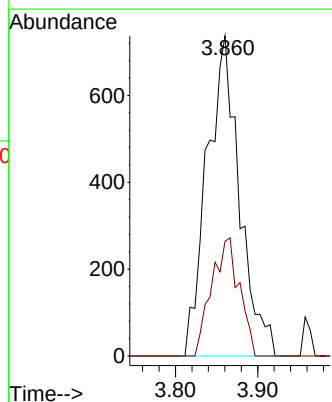
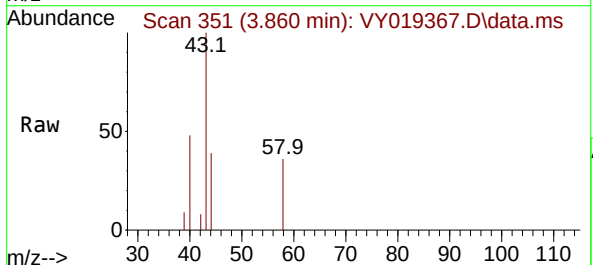


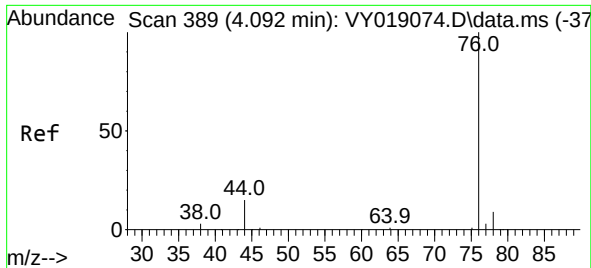
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 38.351 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

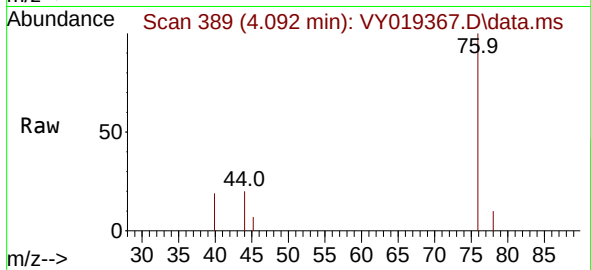
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
58 35.8 31.7 47.5



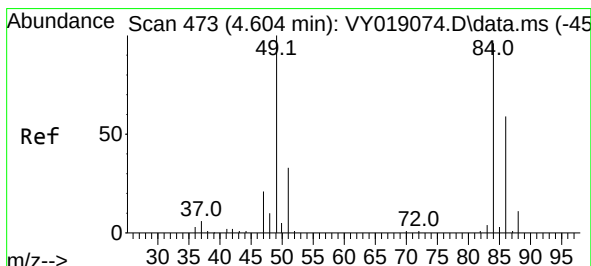
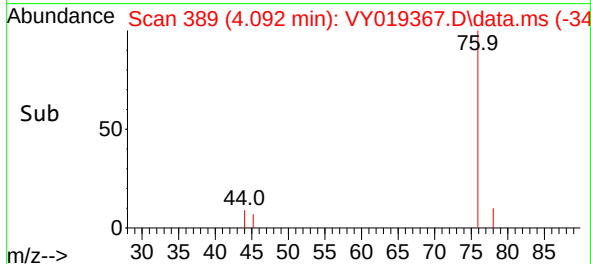
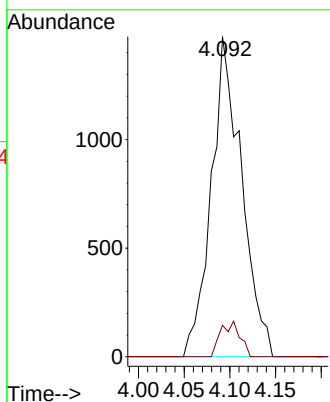


#17
Carbon Disulfide
Concen: 4.261 ug/l
RT: 4.092 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Instrument :
MSVOA_Y
ClientSampleId :

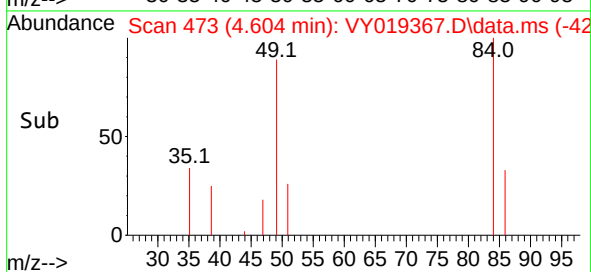
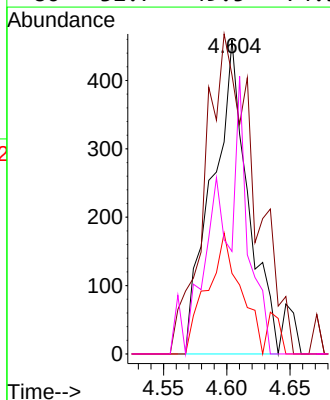
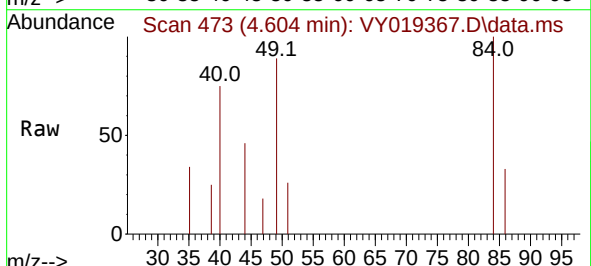


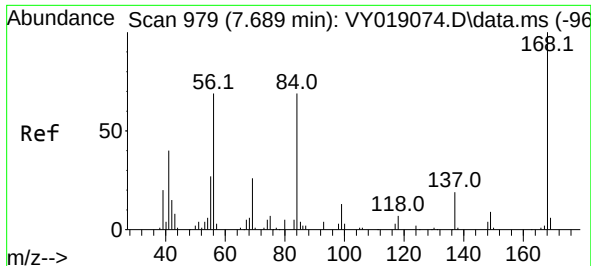
Tgt Ion: 76 Resp: 3402
Ion Ratio Lower Upper
76 100
78 9.8 6.8 10.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. -0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

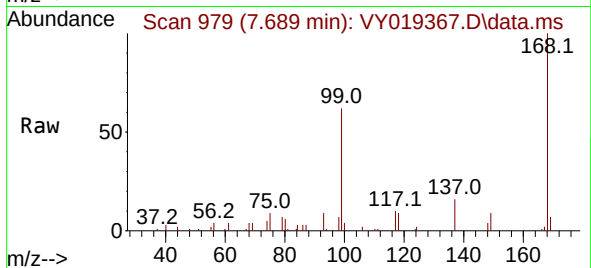
Tgt Ion: 84 Resp: 905
Ion Ratio Lower Upper
84 100
49 74.7 84.4 126.6#
51 25.7 26.0 39.0#
86 32.7 49.5 74.3#



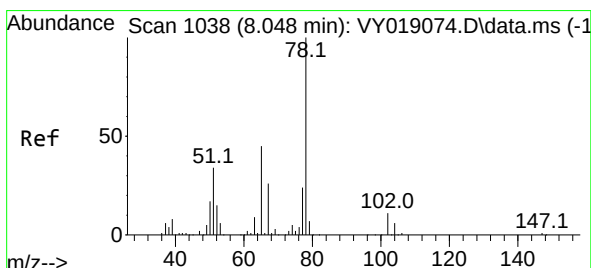
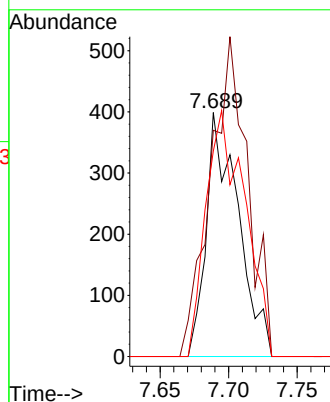
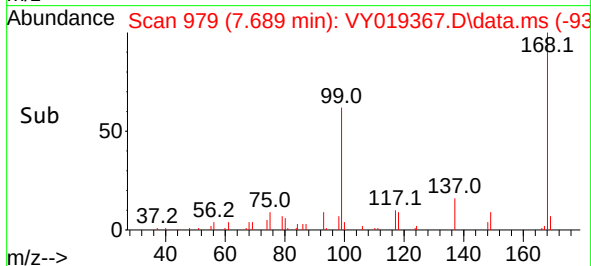


#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Instrument :
MSVOA_Y
ClientSampleId :

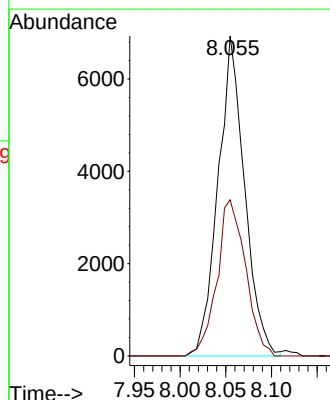
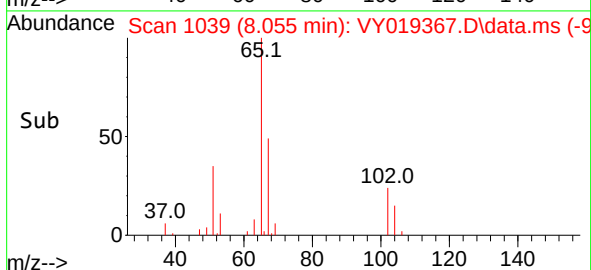
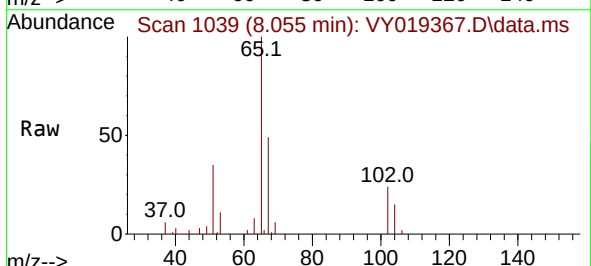


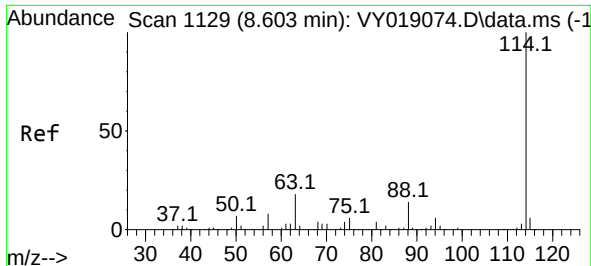
Tgt Ion: 56 Resp: 647
Ion Ratio Lower Upper
56 100
69 92.7 28.7 43.1#
84 84.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 49.333 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 65 Resp: 14032
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

Instrument :

MSVOA_Y

ClientSampleId :

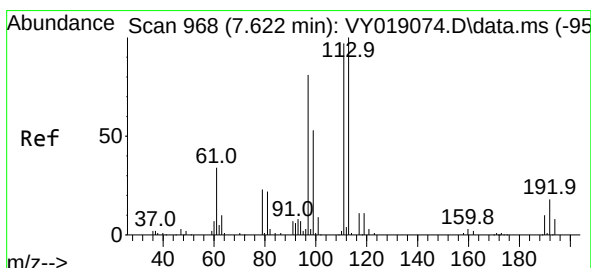
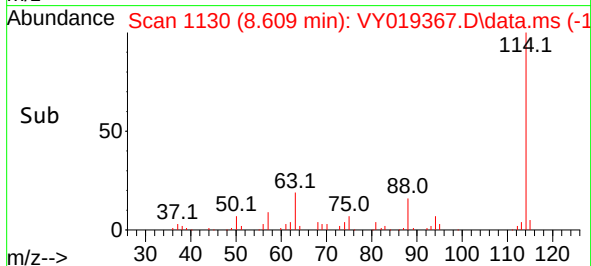
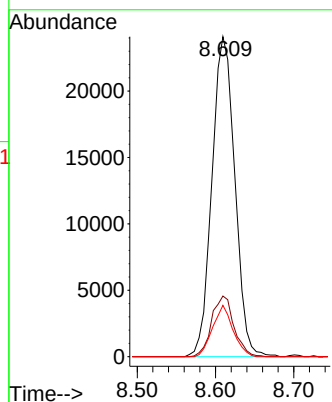
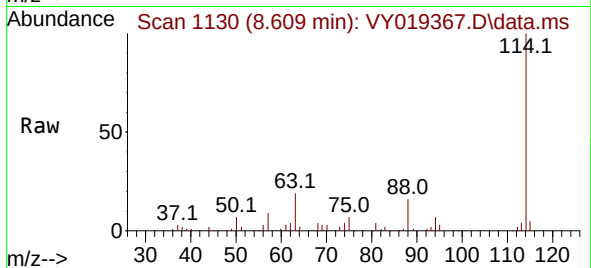
Tgt Ion:114 Resp: 48962

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.0

88 16.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.789 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

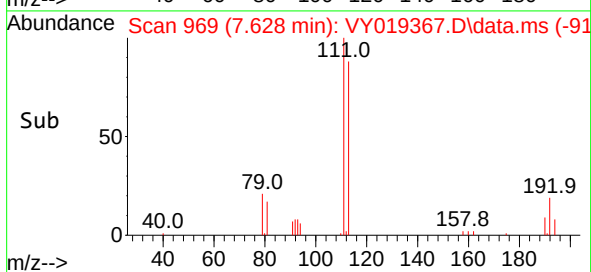
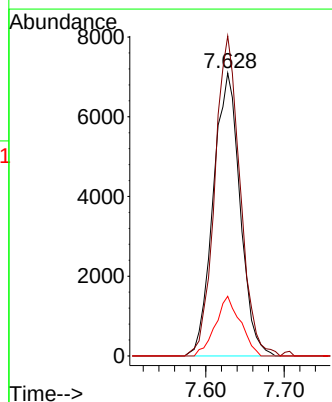
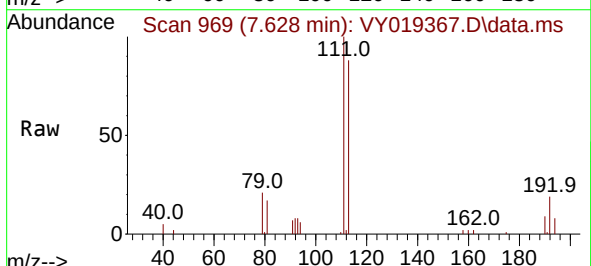
Tgt Ion:113 Resp: 16900

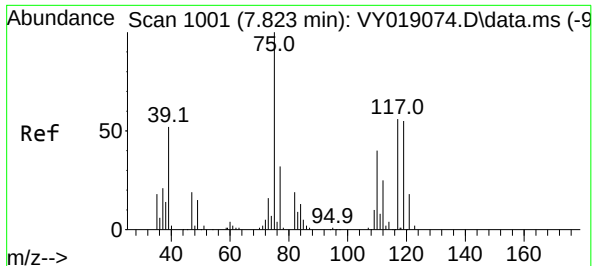
Ion Ratio Lower Upper

113 100

111 106.6 82.2 123.4

192 19.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.870 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

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ClientSampleId :

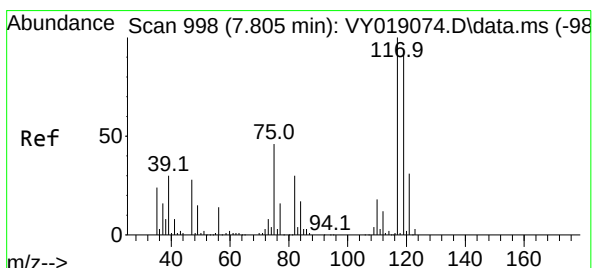
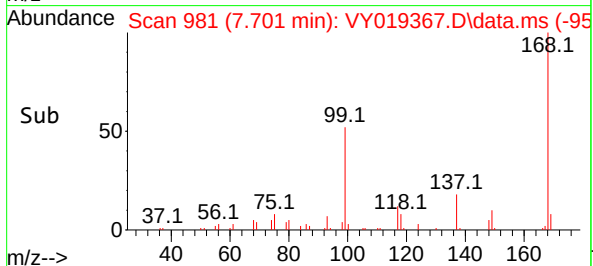
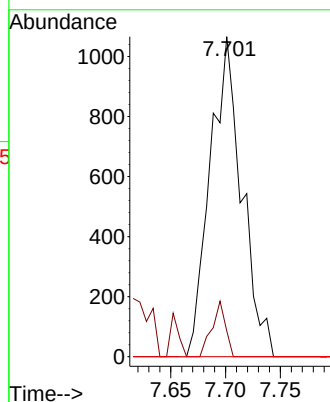
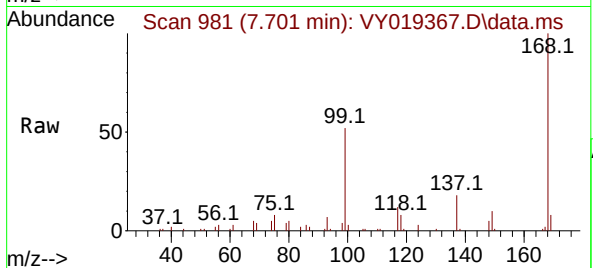
Tgt Ion: 75 Resp: 2141

Ion Ratio Lower Upper

75 100

110 7.4 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

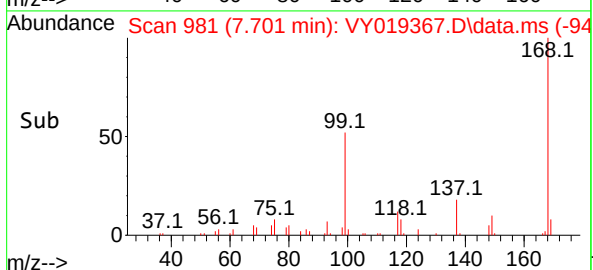
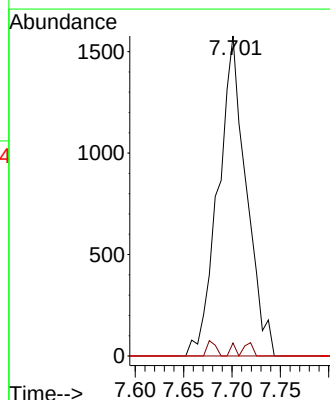
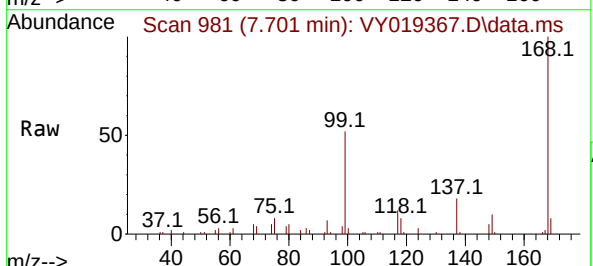
Tgt Ion: 117 Resp: 3181

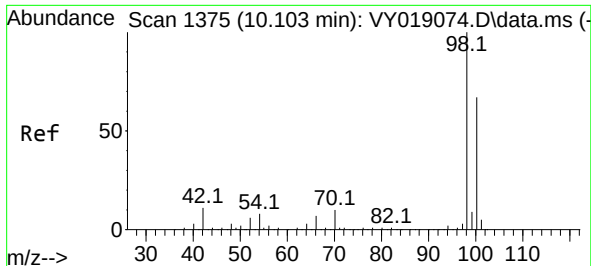
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

121 0.0 24.0 36.0#

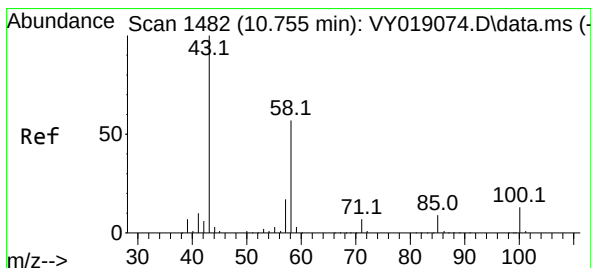
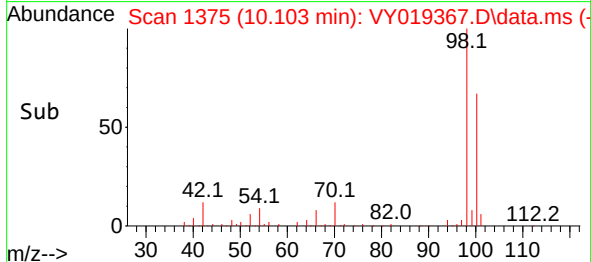
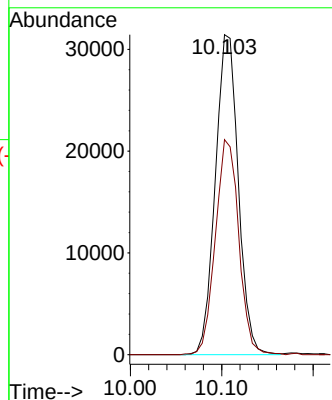
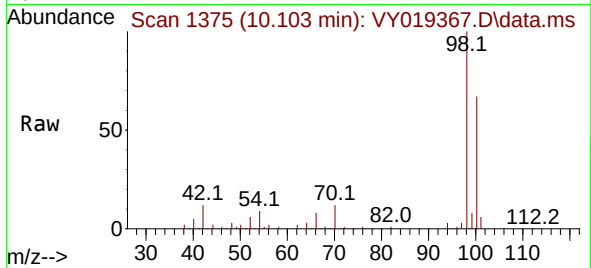




#50
Toluene-d8
Concen: 47.762 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

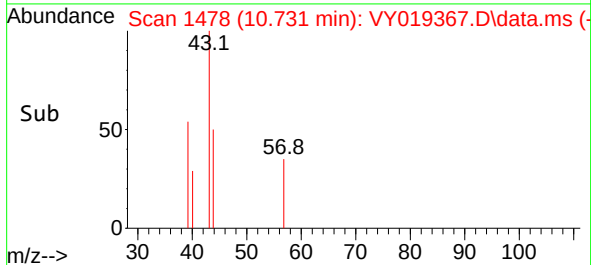
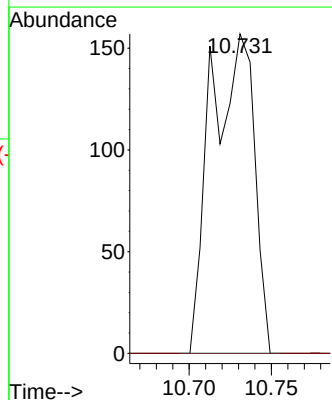
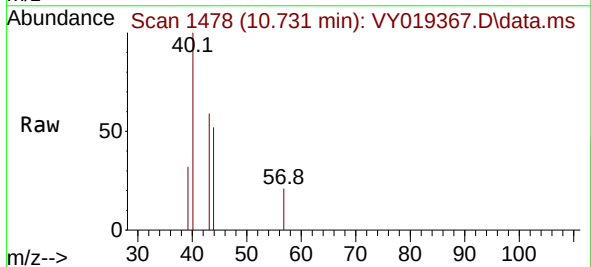
Instrument :
MSVOA_Y
ClientSampleId :

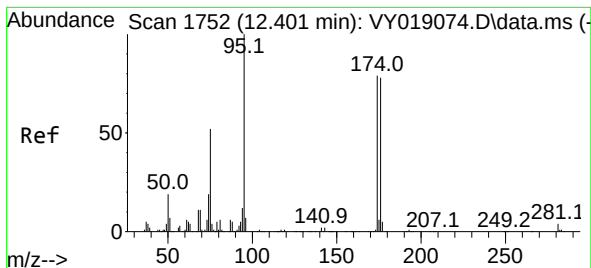
Tgt Ion: 98 Resp: 55026
Ion Ratio Lower Upper
98 100
100 68.4 52.0 78.0



#59
2-Hexanone
Concen: 1.984 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

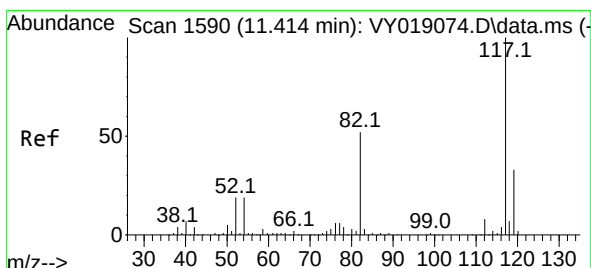
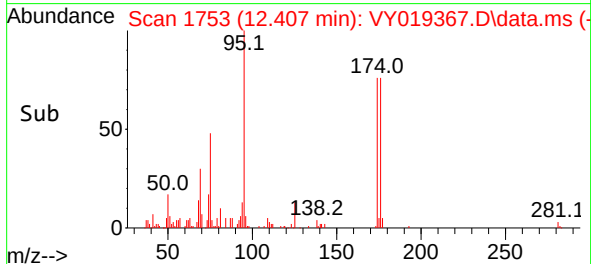
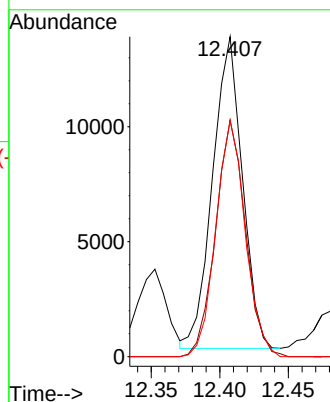
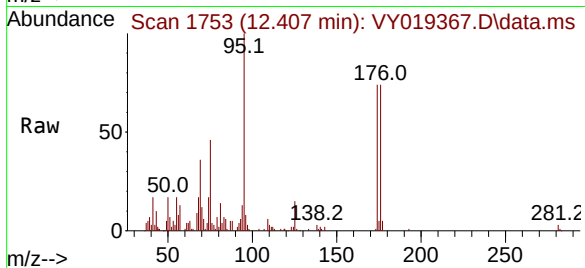




#62
4-Bromofluorobenzene
Concen: 51.993 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

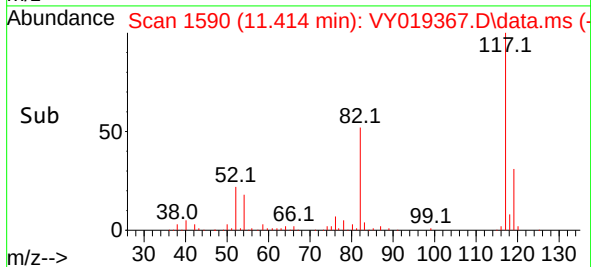
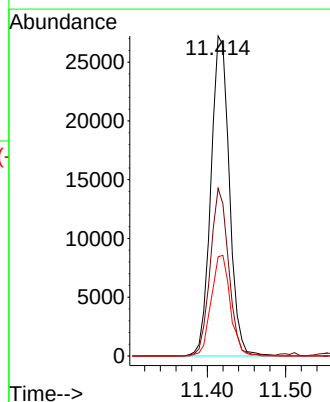
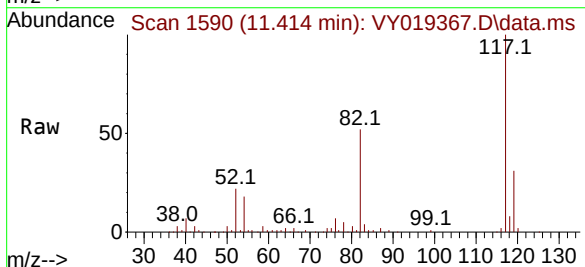
Instrument :
MSVOA_Y
ClientSampleId :

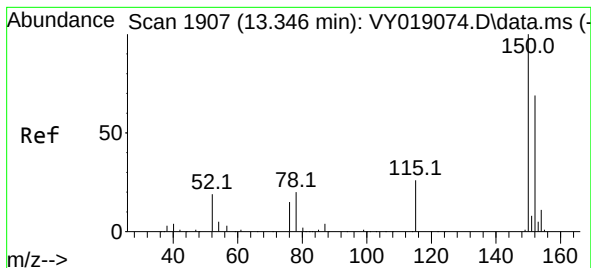
Tgt Ion: 95 Resp: 20420
Ion Ratio Lower Upper
95 100
174 76.2 0.0 175.6
176 75.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 117 Resp: 44577
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 31.0 25.9 38.9

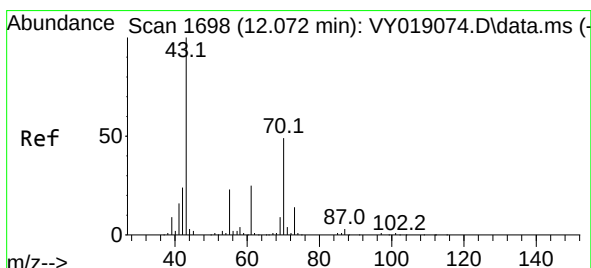
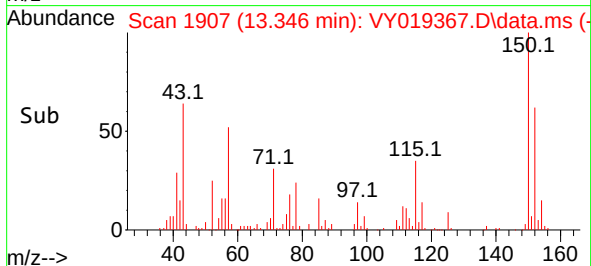
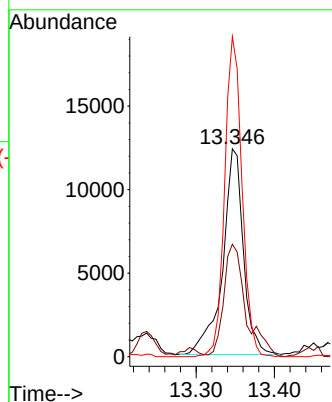
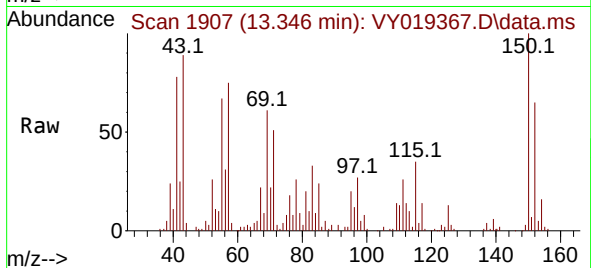




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

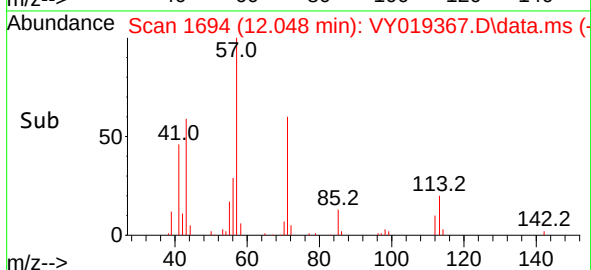
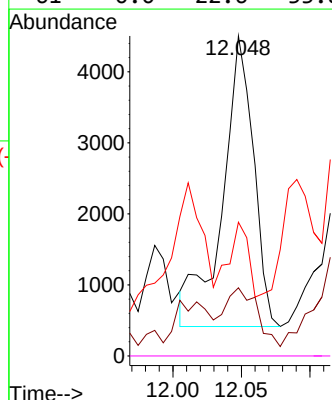
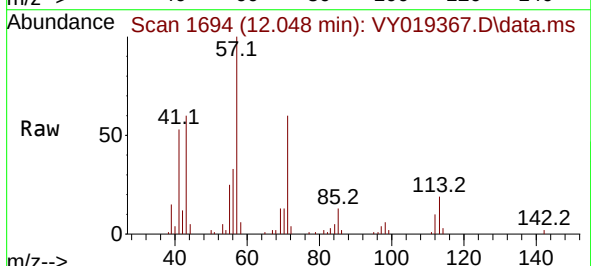
Instrument :
MSVOA_Y
ClientSampleId :

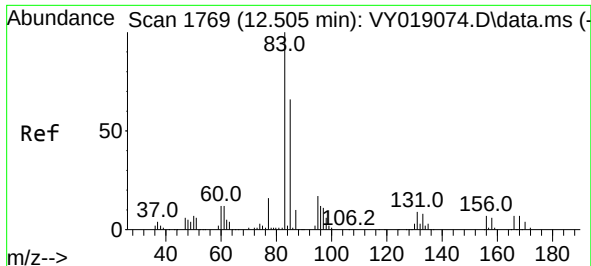
Tgt Ion:152 Resp: 22670
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 130.5 0.0 345.6



#74
N-ethyl acetate
Concen: 17.005 ug/l
RT: 12.048 min Scan# 1694
Delta R.T. -0.024 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 43 Resp: 6443
Ion Ratio Lower Upper
43 100
70 20.9 41.4 62.2#
55 12.3 23.3 34.9#
61 0.0 22.6 33.8#

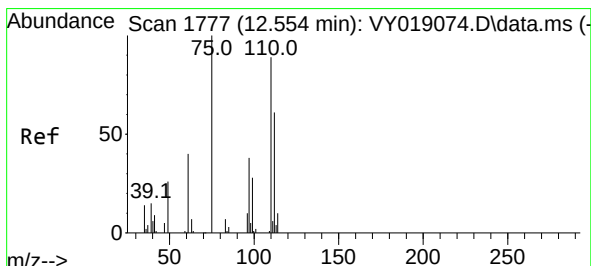
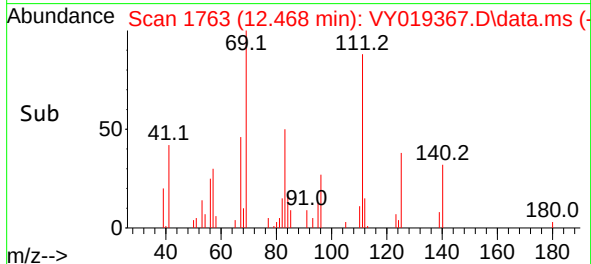
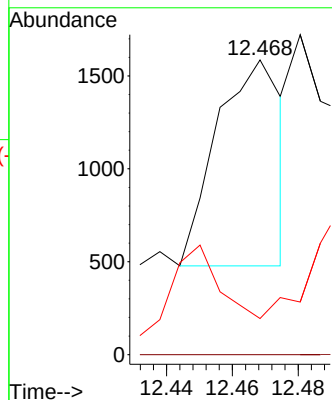
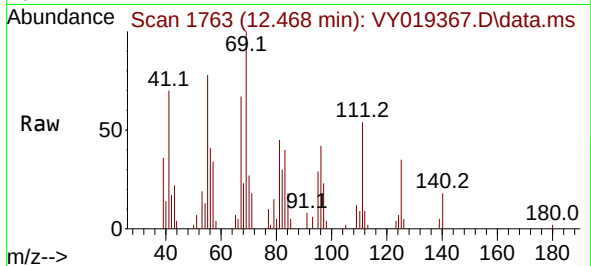




#75
1,1,2,2-Tetrachloroethane
Concen: 4.940 ug/l
RT: 12.468 min Scan# 11
Delta R.T. -0.036 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

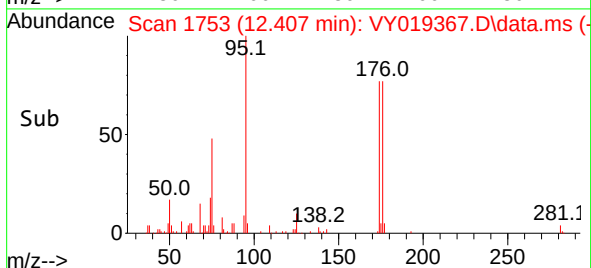
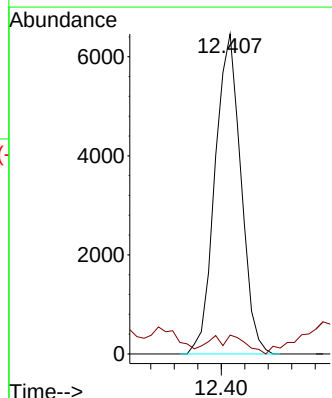
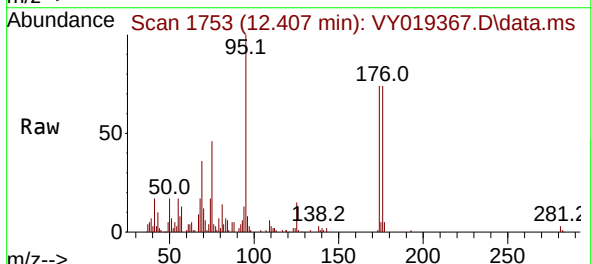
Instrument :
MSVOA_Y
ClientSampleId :

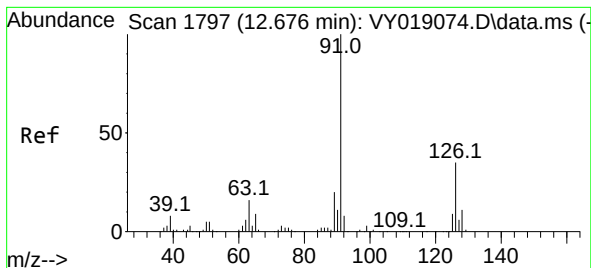
Tgt Ion: 83 Resp: 1528
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 34.9 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 44.175 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 75 Resp: 9876
Ion Ratio Lower Upper
75 100
77 4.3 0.0 0.0#

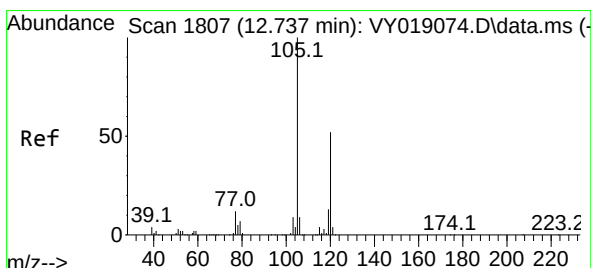
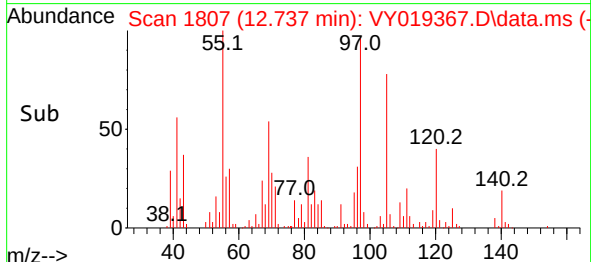
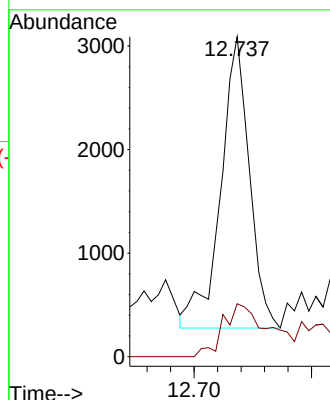
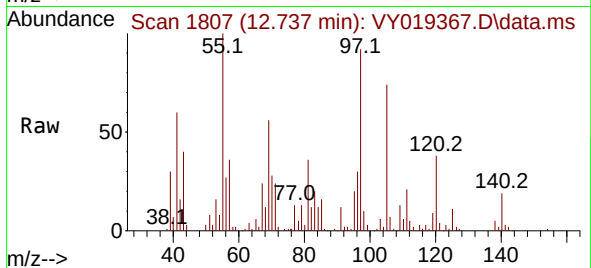




#79
2-Chlorotoluene
Concen: 4.093 ug/l
RT: 12.737 min Scan# 1797
Delta R.T. 0.061 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

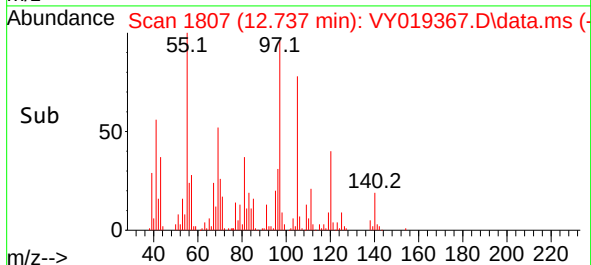
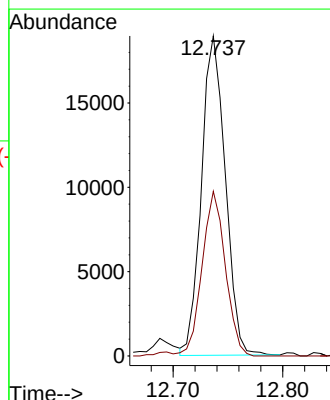
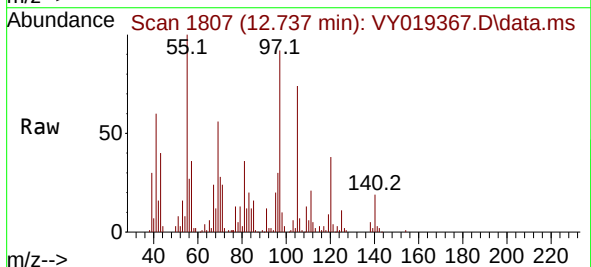
Instrument :
MSVOA_Y
ClientSampleId :

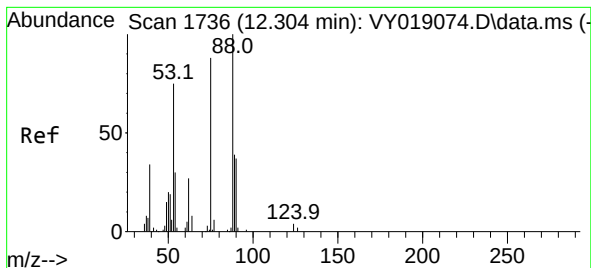
Tgt Ion: 91 Resp: 4766
Ion Ratio Lower Upper
91 100
126 29.2 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 20.208 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 105 Resp: 28605
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.2

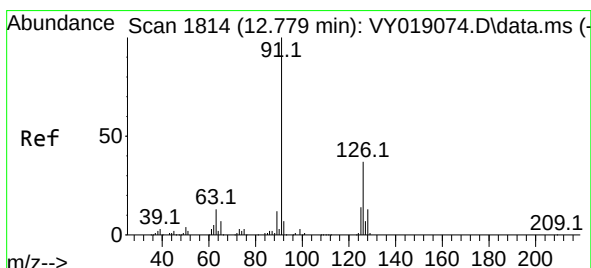
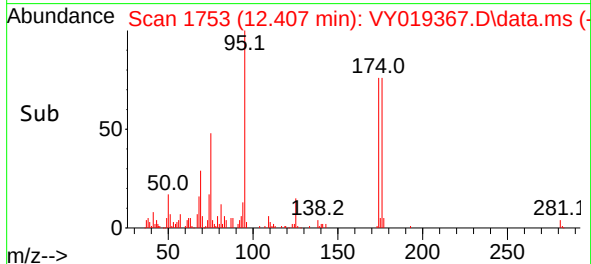
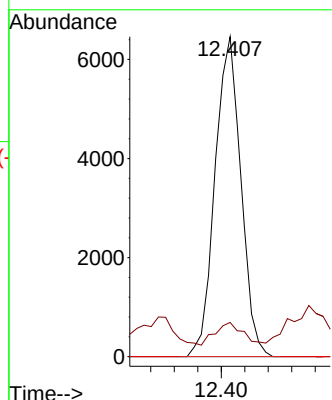
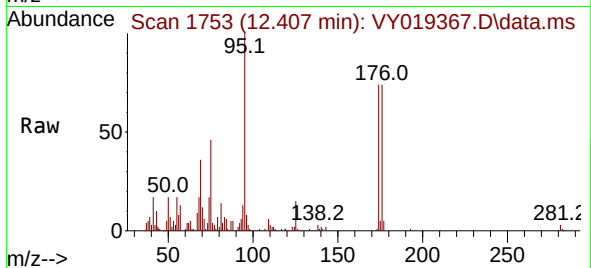




#81
trans-1,4-Dichloro-2-butene
Concen: 109.096 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

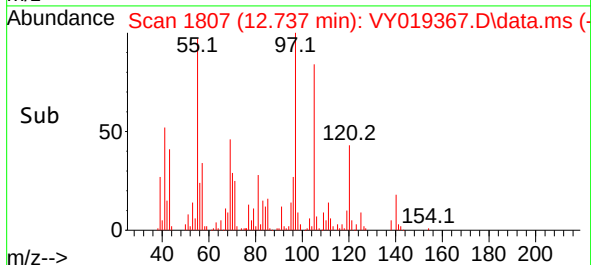
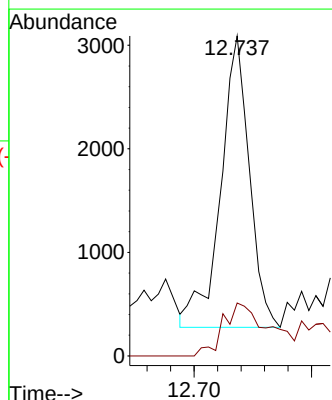
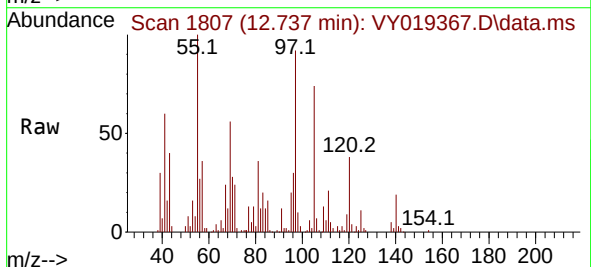
Instrument :
MSVOA_Y
ClientSampleId :

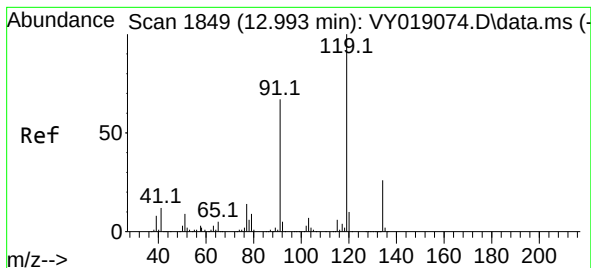
Tgt Ion: 75 Resp: 9876
Ion Ratio Lower Upper
75 100
53 7.6 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 3.934 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.043 min
Lab File: VY019367.D
Acq: 29 Aug 2024 08:44

Tgt Ion: 91 Resp: 4766
Ion Ratio Lower Upper
91 100
126 29.2 17.6 52.9





#83

tert-Butylbenzene

Concen: 1.632 ug/l

RT: 12.993 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019367.D

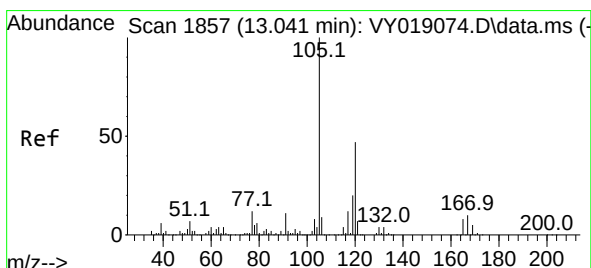
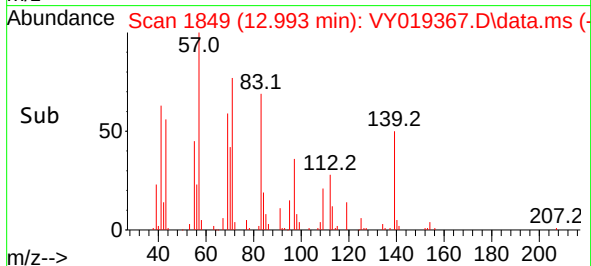
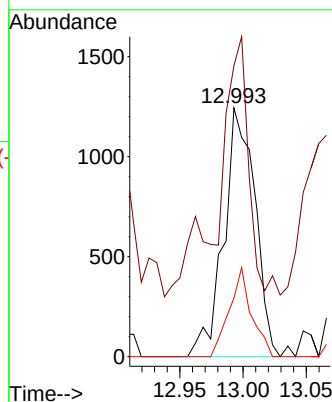
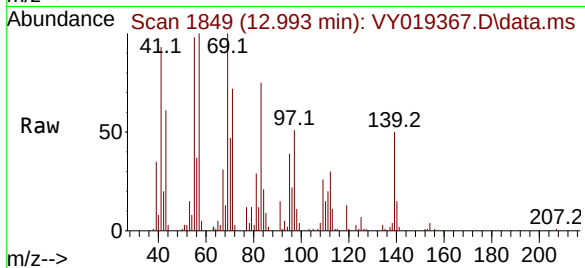
Acq: 29 Aug 2024 08:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	2133
Ion Ratio	Lower	Upper
119	100	
91	76.1	31.3 93.8
134	25.5	13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 11.564 ug/l

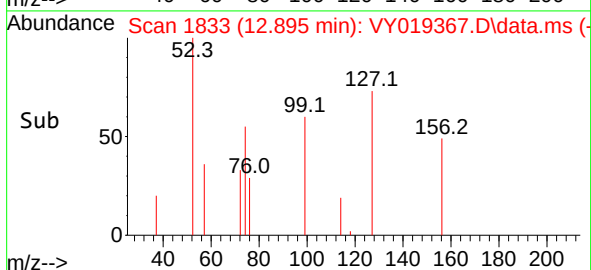
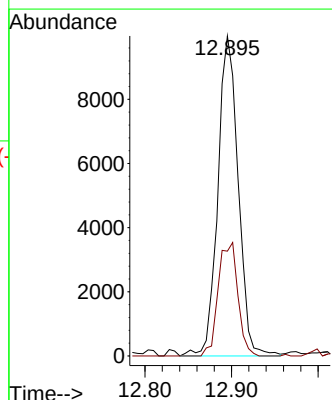
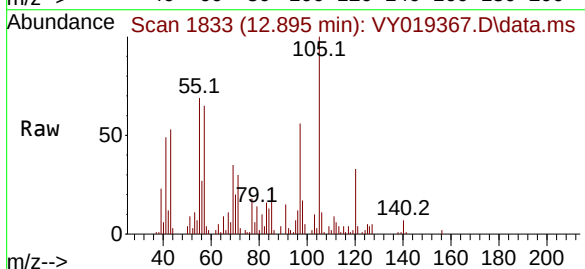
RT: 12.895 min Scan# 1833

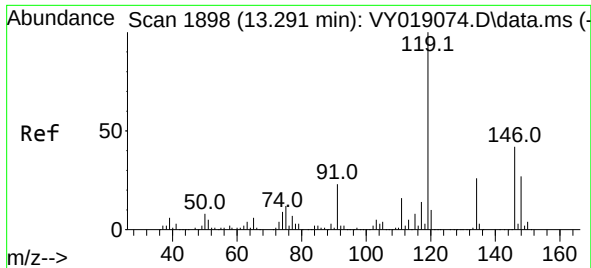
Delta R.T. -0.146 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

Tgt Ion:105	Resp:	16314
Ion Ratio	Lower	Upper
105	100	
120	34.1	23.2 69.6





#86

p-Isopropyltoluene

Concen: 14.585 ug/l

RT: 13.237 min Scan# 119

Delta R.T. -0.055 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

Instrument :

MSVOA_Y

ClientSampleId :

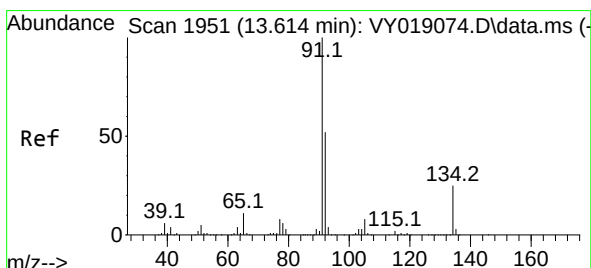
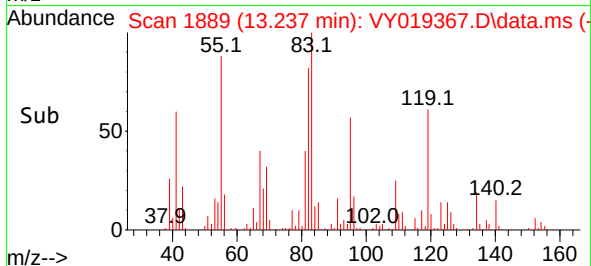
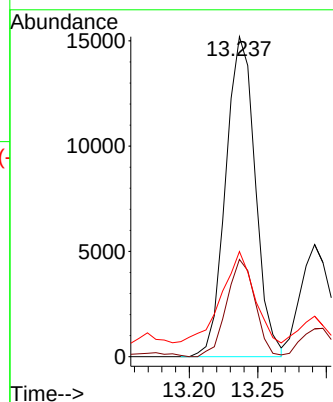
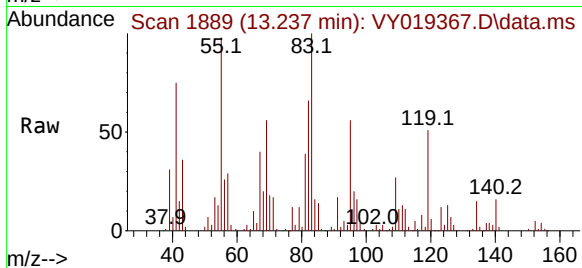
Tgt Ion:119 Resp: 22821

Ion Ratio Lower Upper

119 100

134 29.2 13.1 39.3

91 31.3 10.7 32.1



#89

n-Butylbenzene

Concen: 10.505 ug/l

RT: 13.584 min Scan# 1946

Delta R.T. -0.030 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

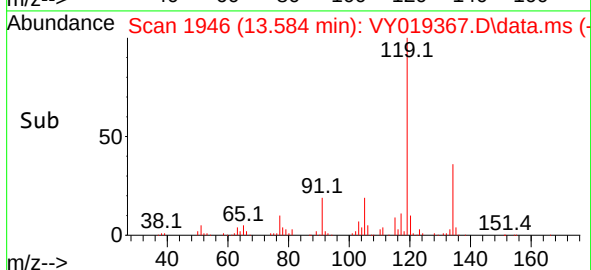
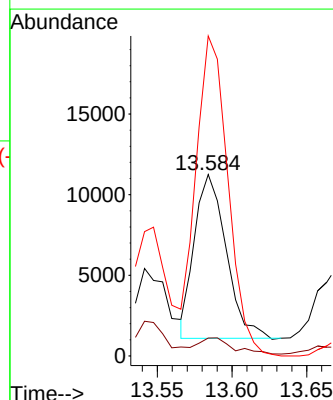
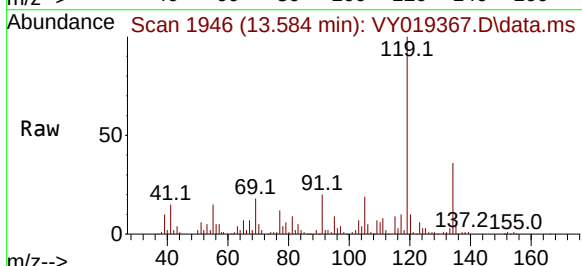
Tgt Ion: 91 Resp: 14986

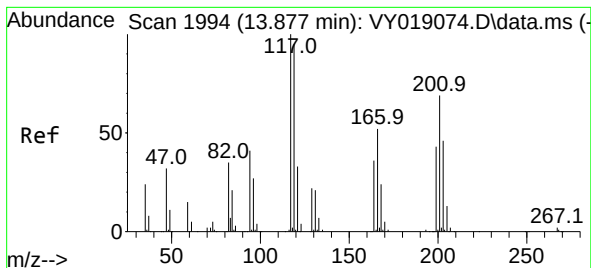
Ion Ratio Lower Upper

91 100

92 10.3 26.6 79.7#

134 196.7 12.9 38.7#





#90

Hexachloroethane

Concen: 26.802 ug/l

RT: 13.895 min Scan# 1994

Delta R.T. 0.018 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

Instrument :

MSVOA_Y

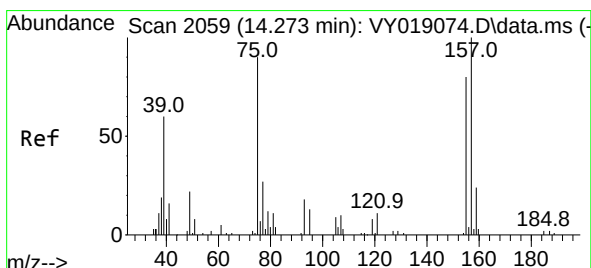
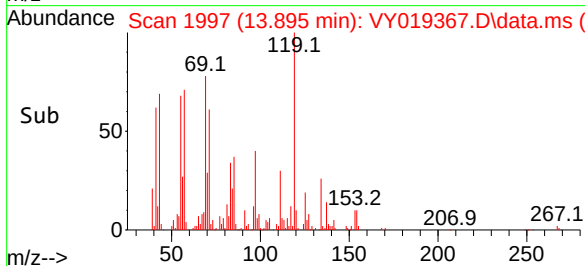
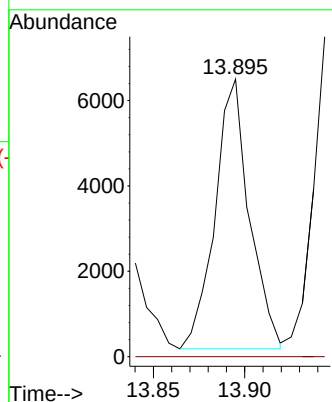
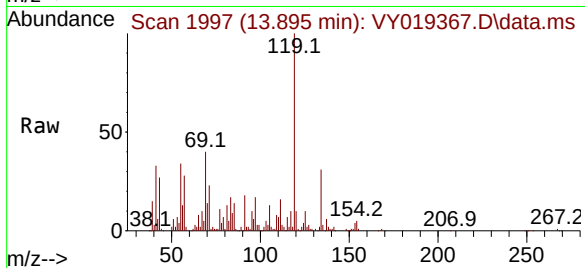
ClientSampleId :

Tgt Ion:117 Resp: 8266

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.690 ug/l

RT: 14.255 min Scan# 2056

Delta R.T. -0.018 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

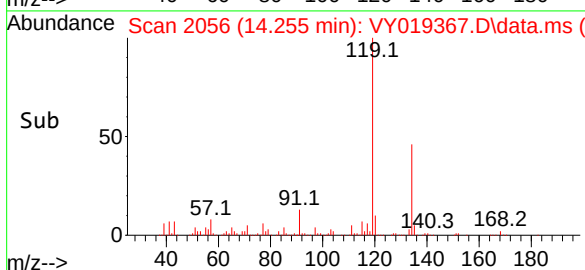
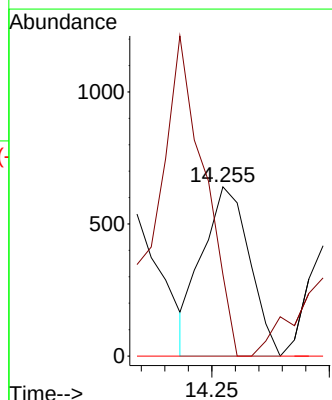
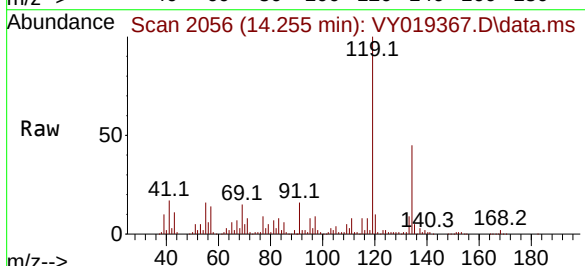
Tgt Ion: 75 Resp: 896

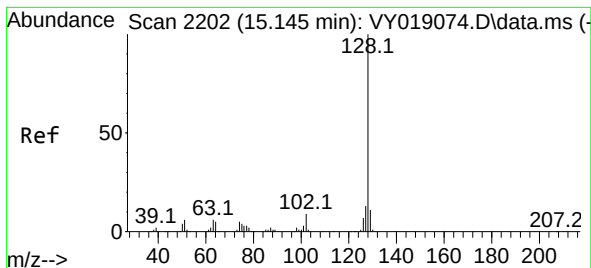
Ion Ratio Lower Upper

75 100

155 169.9 48.6 145.8#

157 0.0 62.7 188.2#





#95

Naphthalene

Concen: 6.305 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY019367.D

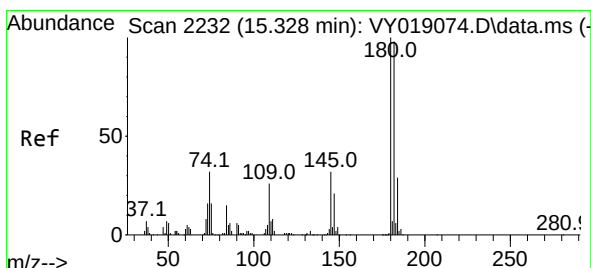
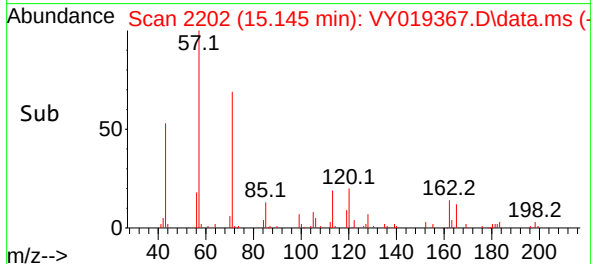
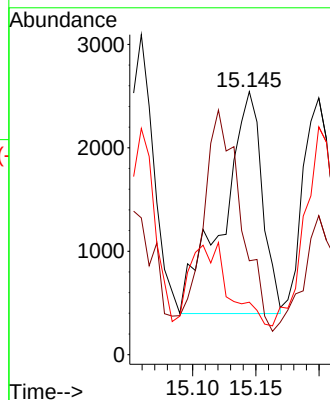
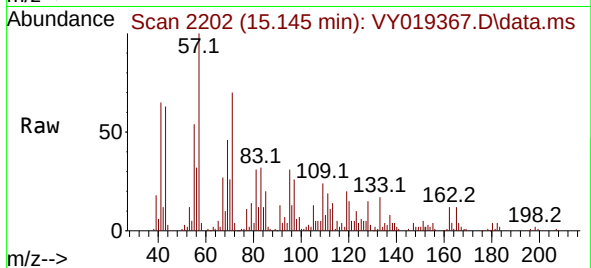
Acq: 29 Aug 2024 08:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	128	Resp:	4593
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#



#96

1,2,3-Trichlorobenzene

Concen: 5.185 ug/l

RT: 15.297 min Scan# 2227

Delta R.T. -0.030 min

Lab File: VY019367.D

Acq: 29 Aug 2024 08:44

Tgt Ion:	180	Resp:	1785
Ion	Ratio	Lower	Upper
180	100		
182	21.3	47.6	142.9#
145	381.0	15.4	46.1#

