

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019854.D
 Acq On : 10 Oct 2024 15:17
 Operator : SY/MD
 Sample : P4364-06
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:43:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

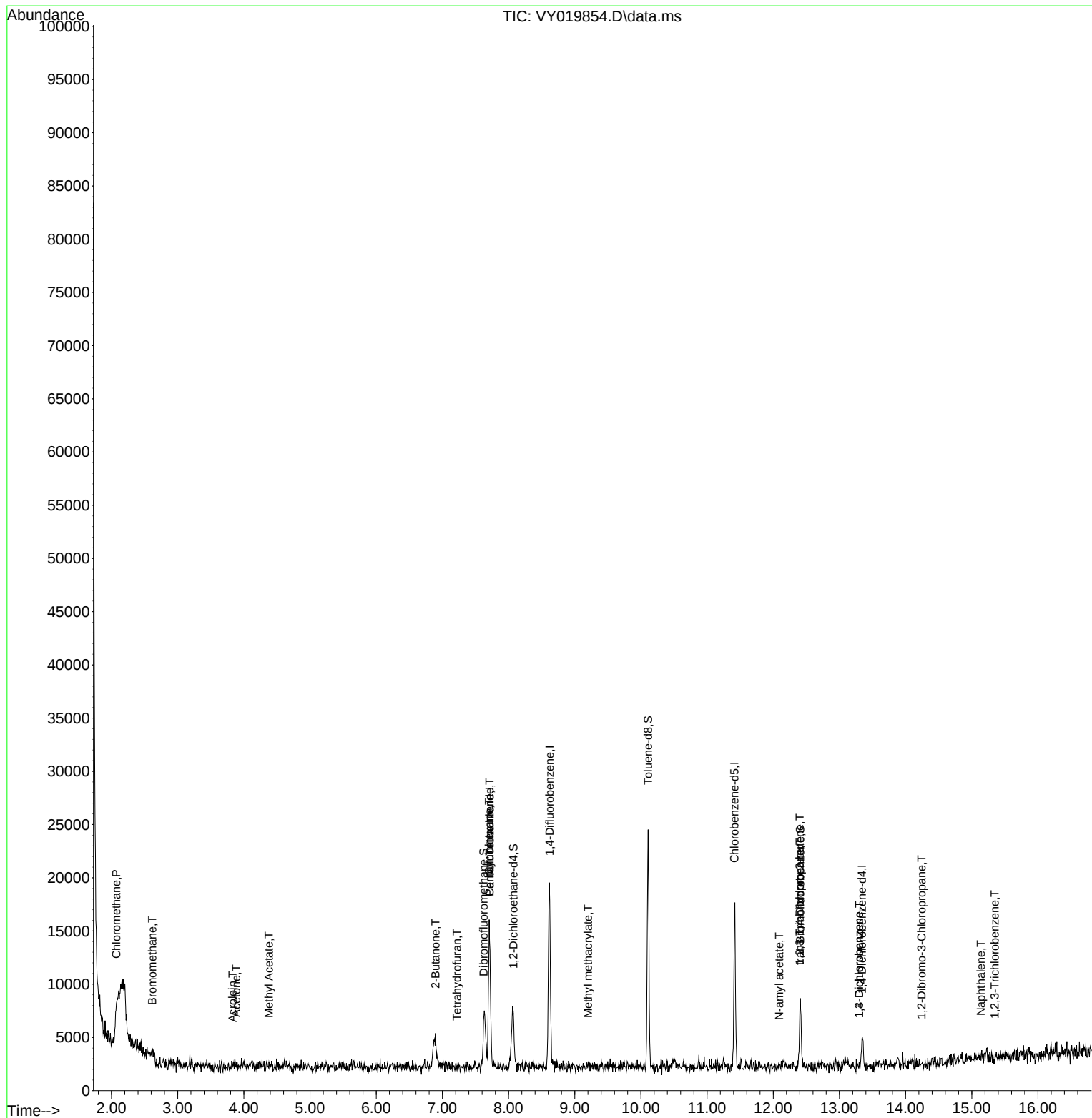
Internal Standards						
1) Pentafluorobenzene	7.713	168	8525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	15146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	8002	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3970	37.821	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.640%
35) Dibromofluoromethane	7.622	113	4362	43.643	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.280%
50) Toluene-d8	10.109	98	14087	38.167	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.340%
62) 4-Bromofluorobenzene	12.407	95	1658	12.432	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	24.860%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	292	2.827	ug/l #	80
5) Bromomethane	2.616	94	198	2.752	ug/l	92
11) Tert butyl alcohol	4.878	59	24	Below Cal	#	74
13) Acrolein	3.830	56	55	7.131	ug/l #	14
16) Acetone	3.885	43	350	12.809	ug/l #	45
18) Methyl Acetate	4.378	43	130	2.209	ug/l #	52
25) 2-Butanone	6.896	43	193	5.277	ug/l #	51
29) Tetrahydrofuran	7.219	42	65	3.112	ug/l #	35
31) Cyclohexane	7.707	56	379	2.161	ug/l	87
38) Carbon Tetrachloride	7.713	117	1104	7.152	ug/l #	12
48) Methyl methacrylate	9.201	41	75	1.113	ug/l #	43
74) N-amyl acetate	12.090	43	21	1.005	ug/l #	44
76) 1,2,3-Trichloropropane	12.401	75	1075	110.062	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	1075	236.138	ug/l #	8
87) 1,3-Dichlorobenzene	13.297	146	51	1.508	ug/l #	24
88) 1,4-Dichlorobenzene	13.297	146	51	1.535	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.242	75	60	26.817	ug/l #	5
95) Naphthalene	15.139	128	360	11.458	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.346	180	51	3.622	ug/l #	13

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

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Instrument :
MSVOA_Y
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Quant Time: Oct 11 01:43:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

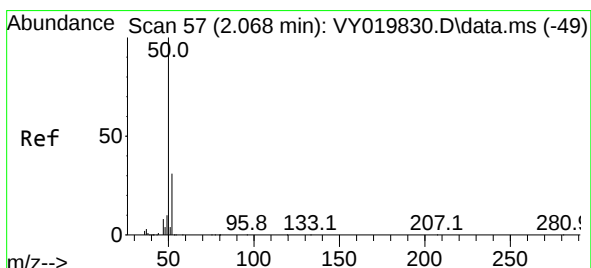
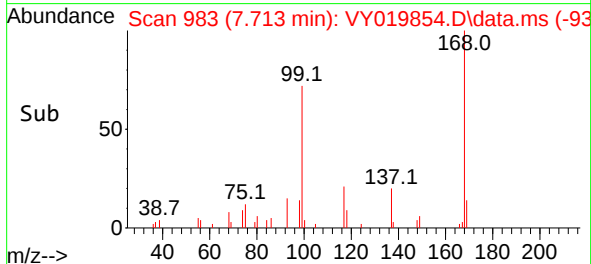
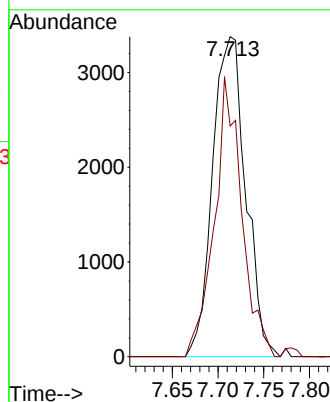
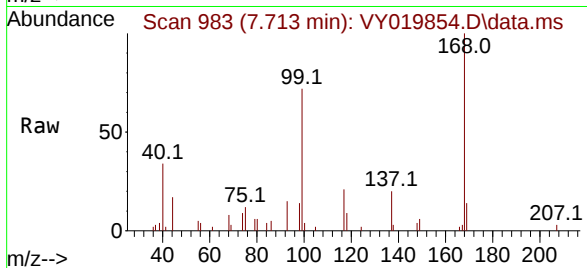




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

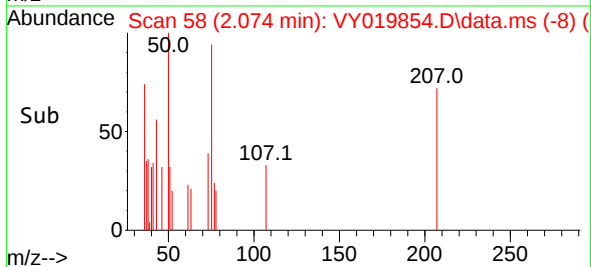
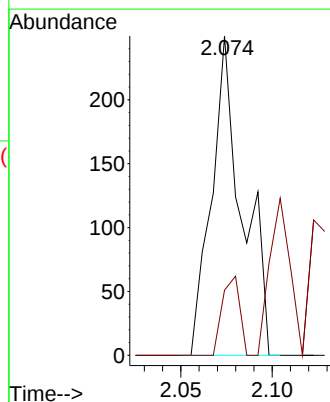
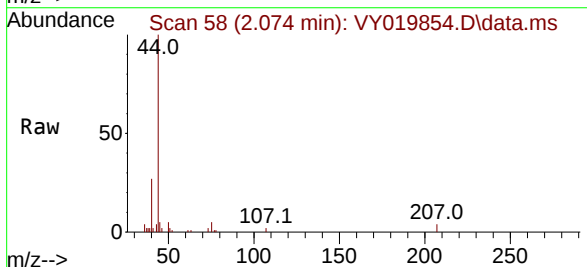
Instrument :
MSVOA_Y
ClientSampleId :

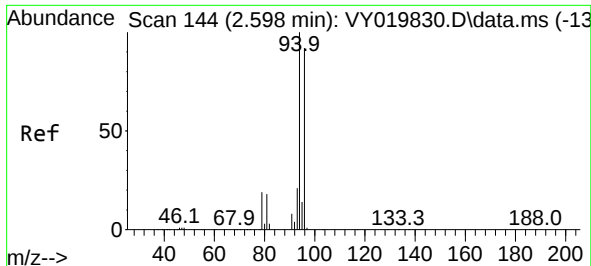
Tgt Ion:168 Resp: 8525
Ion Ratio Lower Upper
168 100
99 72.1 52.6 78.8



#3
Chloromethane
Concen: 2.827 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Tgt Ion: 50 Resp: 292
Ion Ratio Lower Upper
50 100
52 20.4 25.1 37.7#

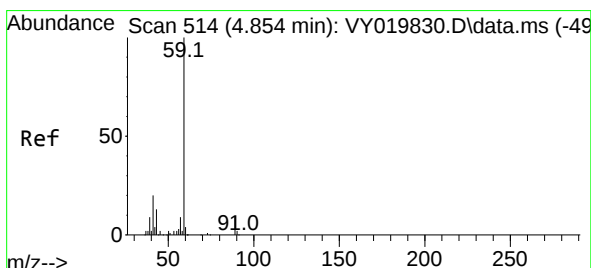
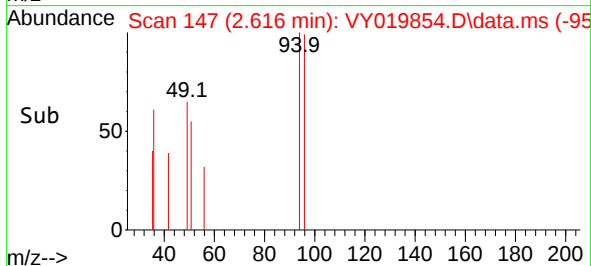
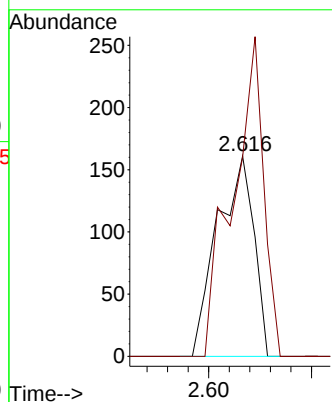
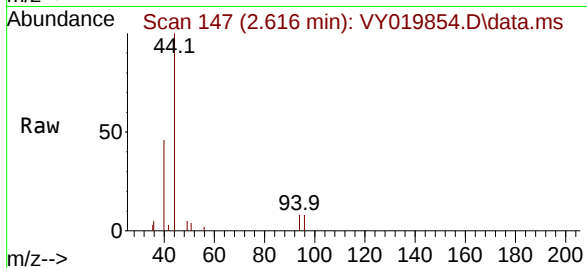




#5
Bromomethane
Concen: 2.752 ug/l
RT: 2.616 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

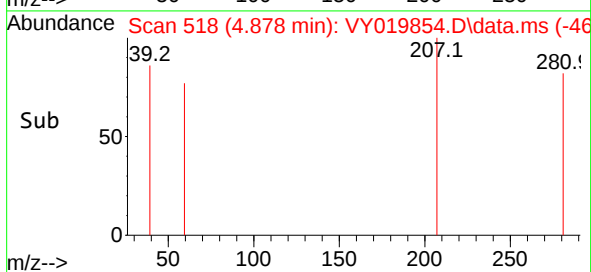
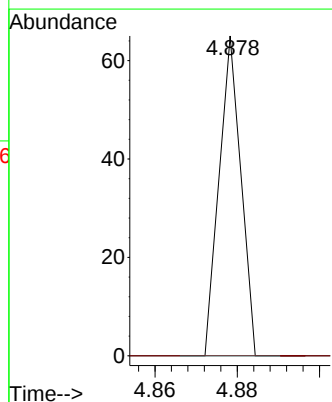
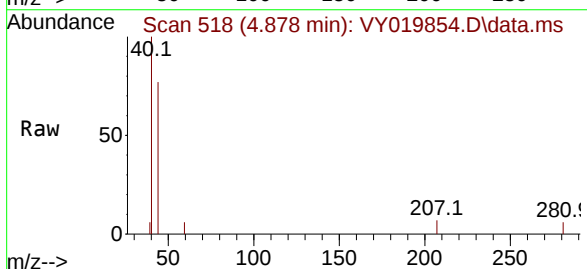
Instrument :
MSVOA_Y
ClientSampleId :

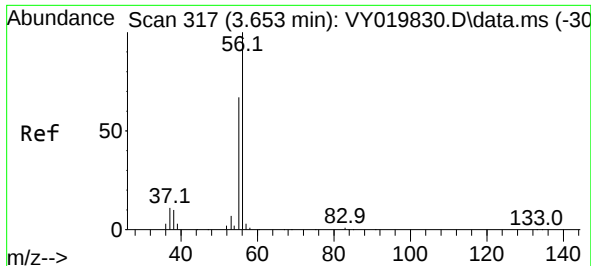
Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 99.4 73.6 110.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.878 min Scan# 518
Delta R.T. 0.024 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

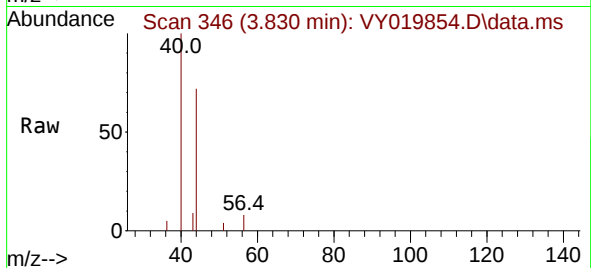
Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



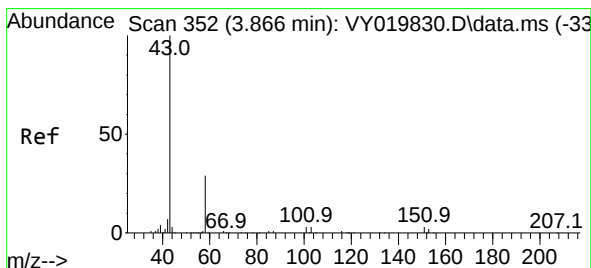
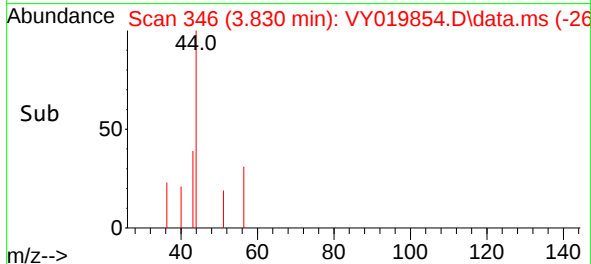
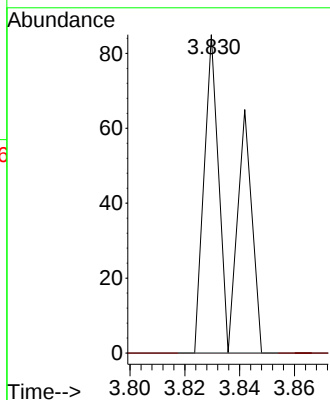


#13
Acrolein
Concen: 7.131 ug/l
RT: 3.830 min Scan# 346
Delta R.T. 0.177 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

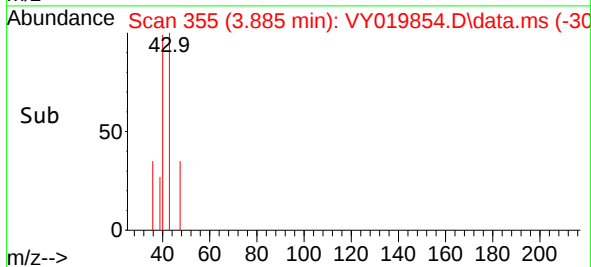
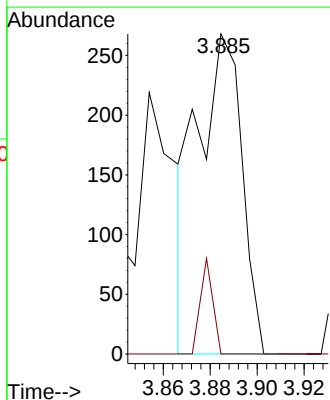
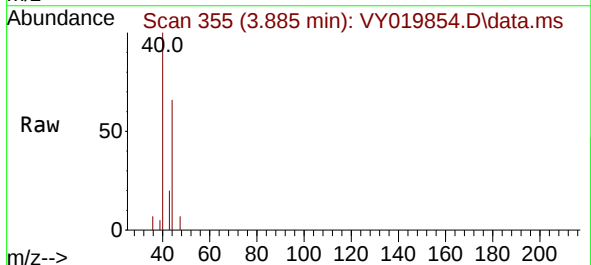


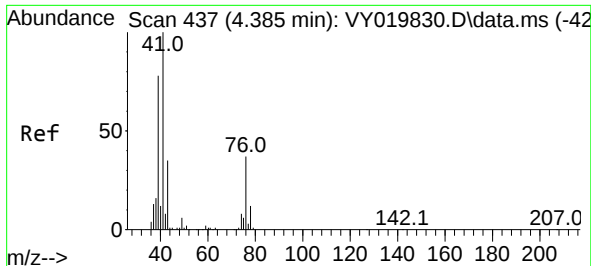
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 12.809 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

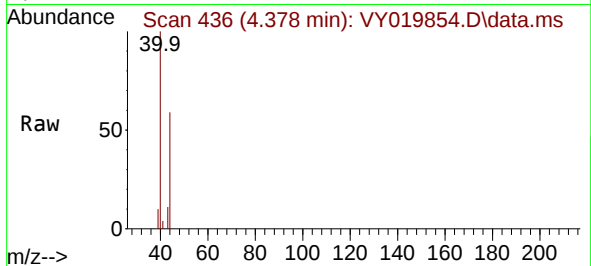
Tgt Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



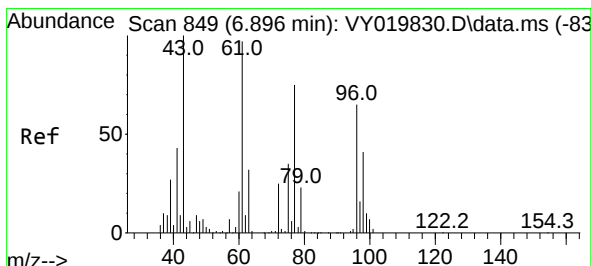
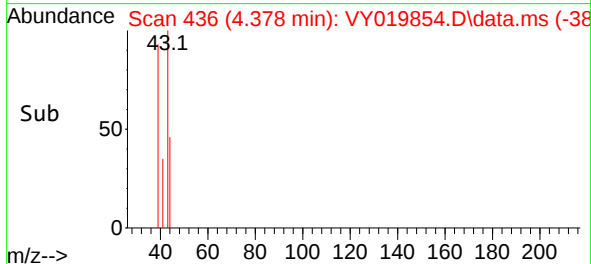
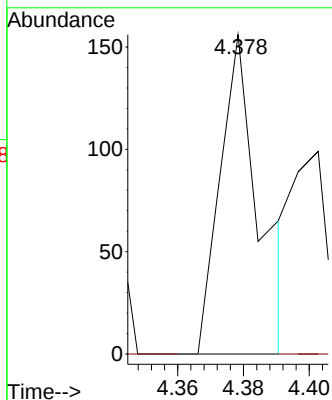


#18
Methyl Acetate
Concen: 2.209 ug/l
RT: 4.378 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

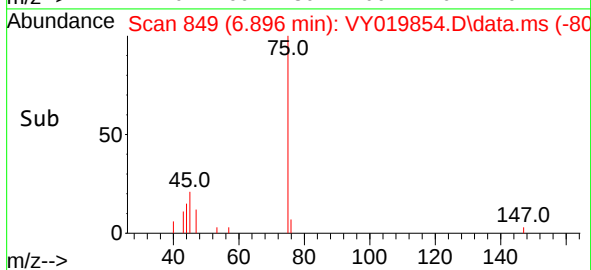
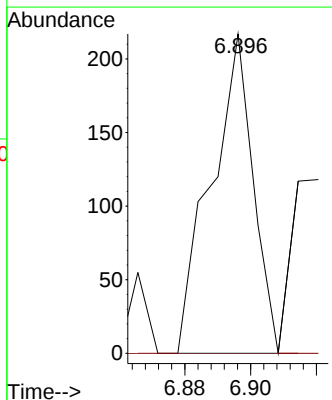
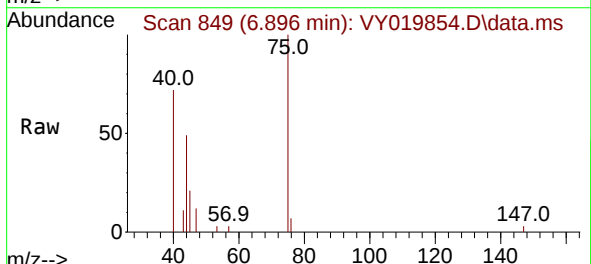


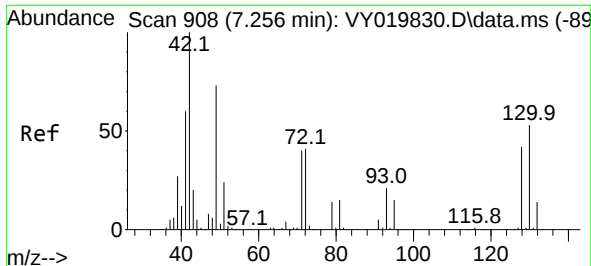
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#25
2-Butanone
Concen: 5.277 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#





#29

Tetrahydrofuran

Concen: 3.112 ug/l

RT: 7.219 min Scan# 90

Delta R.T. -0.037 min

Lab File: VY019854.D

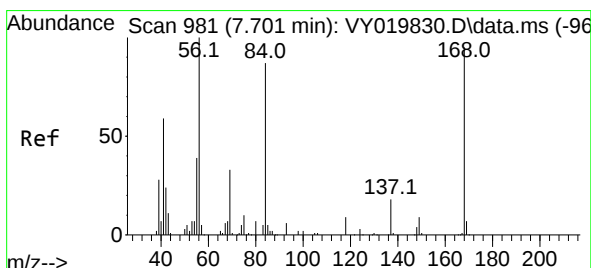
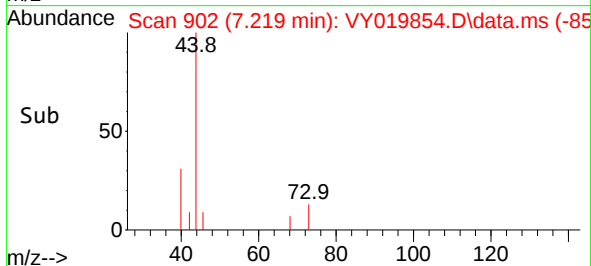
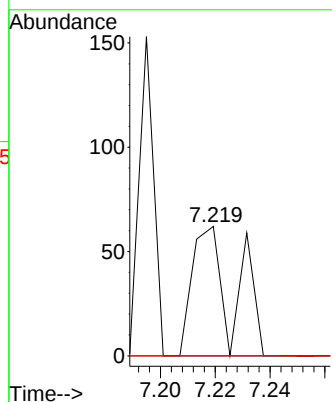
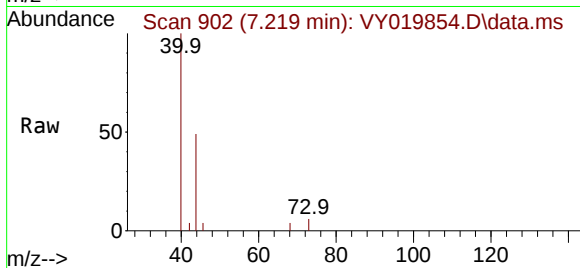
Acq: 10 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	65
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.6	47.4#



#31

Cyclohexane

Concen: 2.161 ug/l

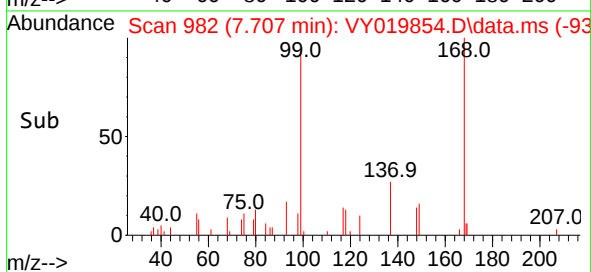
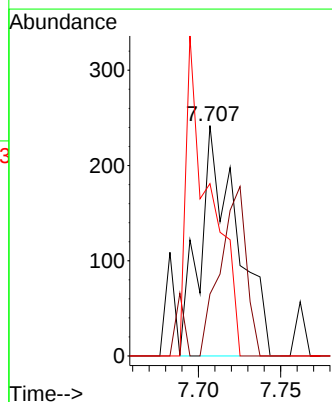
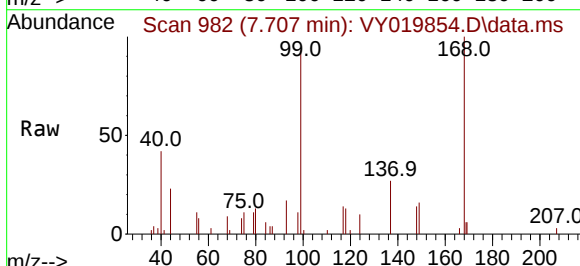
RT: 7.707 min Scan# 982

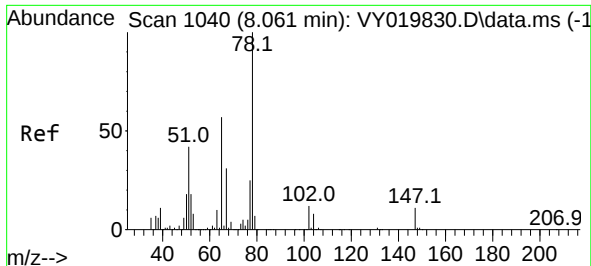
Delta R.T. 0.006 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Tgt Ion:	56	Resp:	379
Ion	Ratio	Lower	Upper
56	100		
69	26.9	26.6	39.8
84	74.8	69.6	104.4





#33

1,2-Dichloroethane-d4

Concen: 37.821 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Instrument :

MSVOA_Y

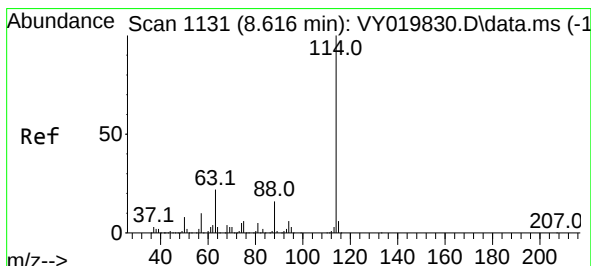
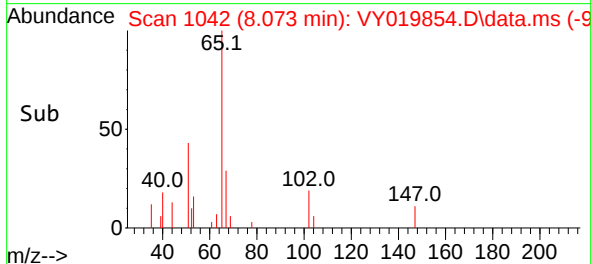
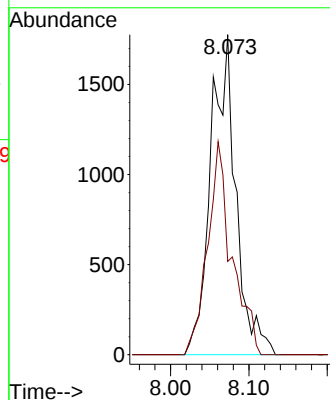
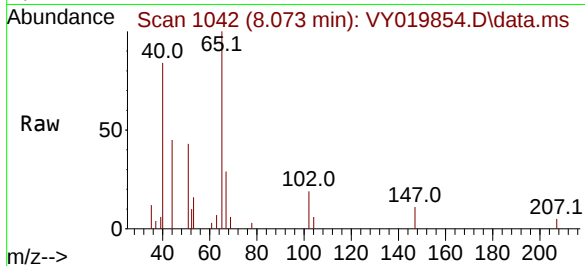
ClientSampleId :

Tgt Ion: 65 Resp: 3970

Ion Ratio Lower Upper

65 100

67 63.9 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

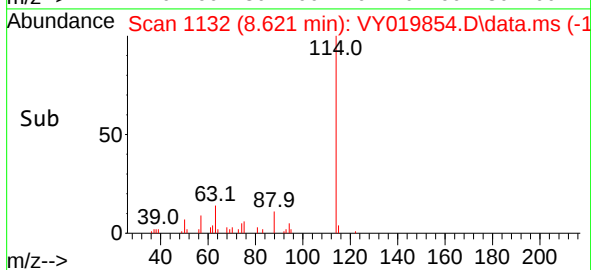
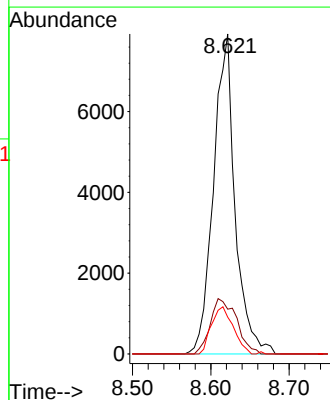
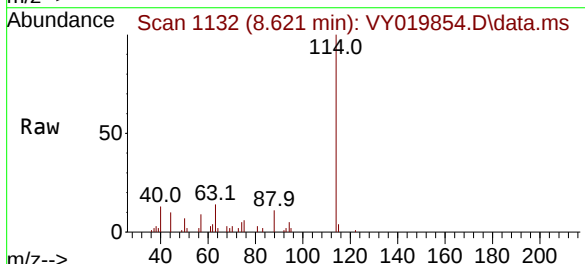
Tgt Ion: 114 Resp: 15146

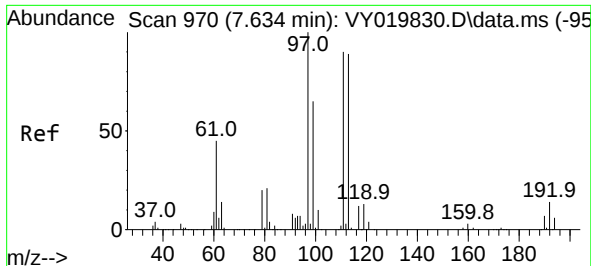
Ion Ratio Lower Upper

114 100

63 14.0 0.0 43.8

88 11.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 43.643 ug/l

RT: 7.622 min Scan# 90

Delta R.T. -0.012 min

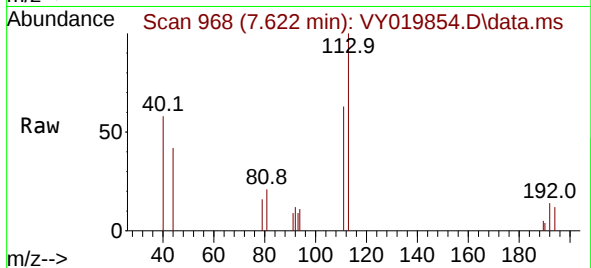
Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

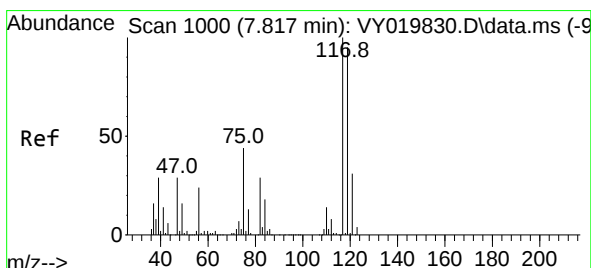
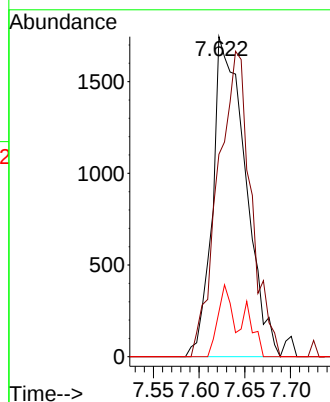
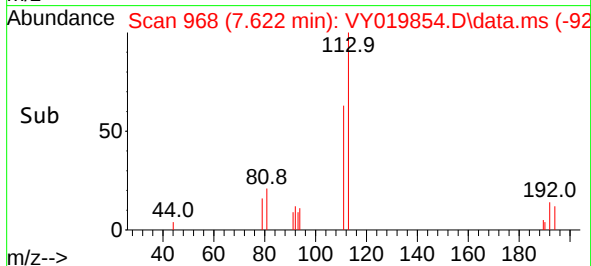
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	4362
Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.9	124.3#
192	9.7	13.6	20.4#



#38

Carbon Tetrachloride

Concen: 7.152 ug/l

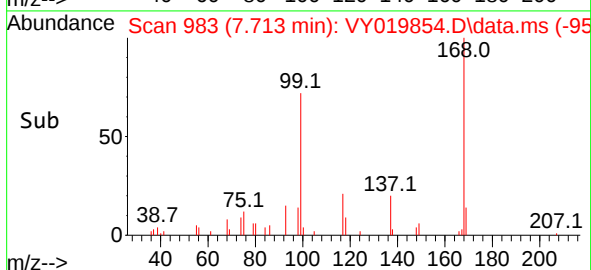
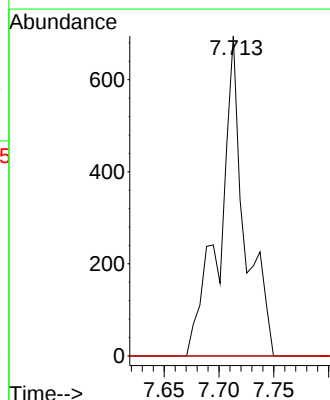
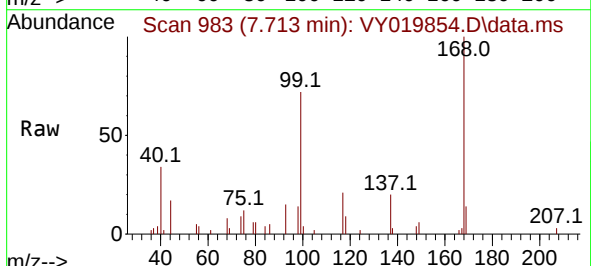
RT: 7.713 min Scan# 983

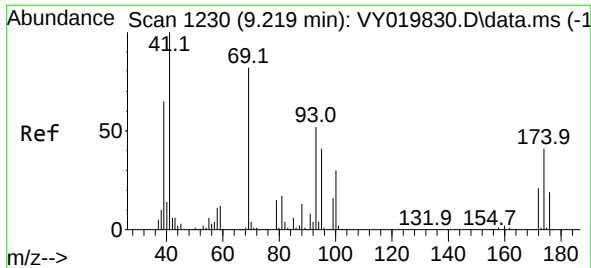
Delta R.T. -0.104 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Tgt Ion:	117	Resp:	1104
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.4#
121	0.0	25.0	37.4#

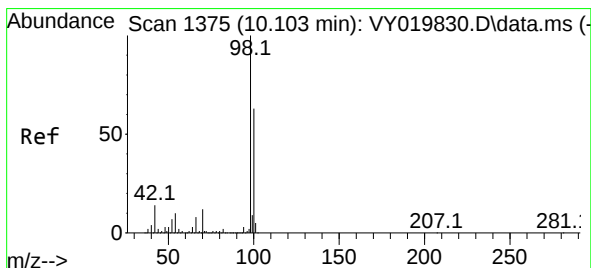
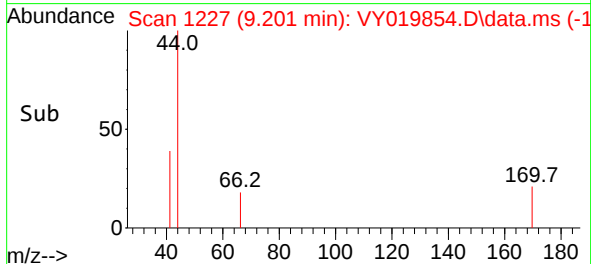
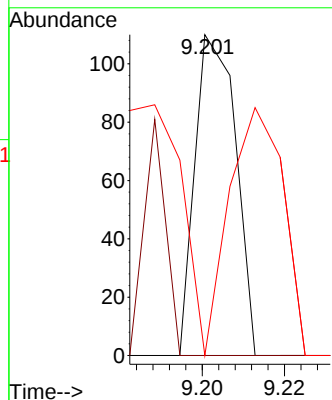
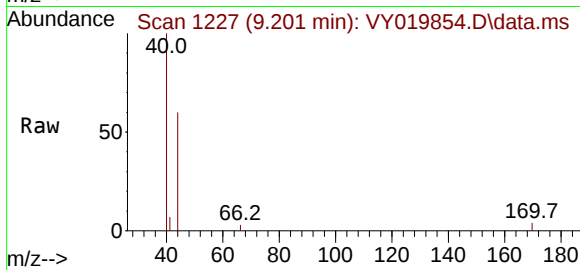




#48
Methyl methacrylate
Concen: 1.113 ug/l
RT: 9.201 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

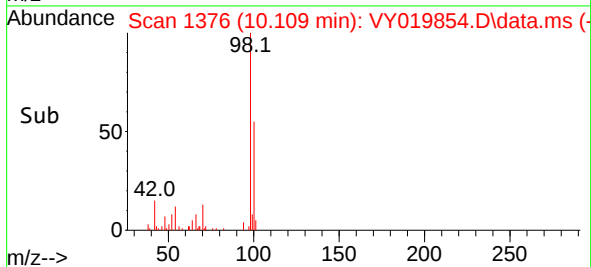
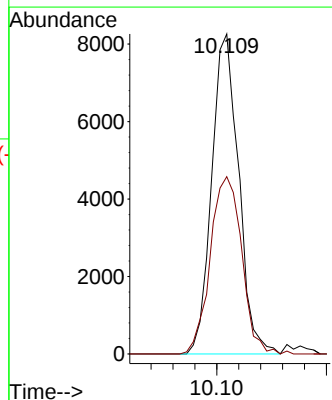
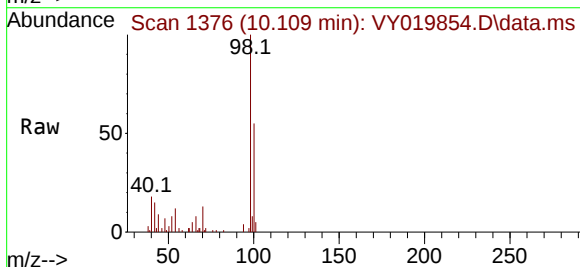
Instrument :
MSVOA_Y
ClientSampleId :

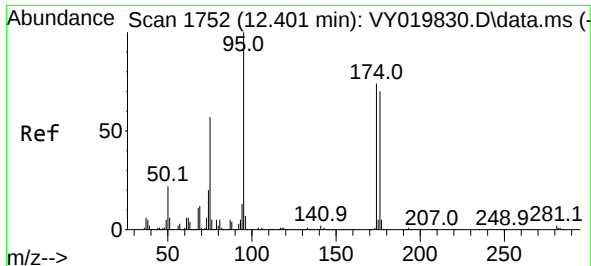
Tgt Ion: 41 Resp: 75
Ion Ratio Lower Upper
41 100
69 40.0 66.3 99.5#
39 116.0 50.2 75.4#



#50
Toluene-d8
Concen: 38.167 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Tgt Ion: 98 Resp: 14087
Ion Ratio Lower Upper
98 100
100 64.7 51.1 76.7

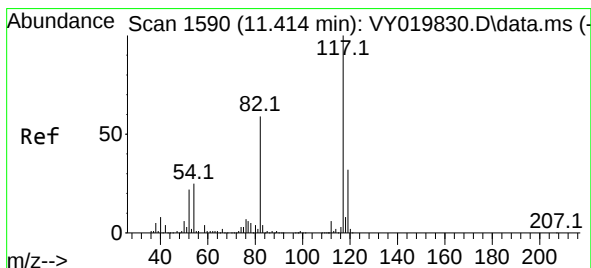
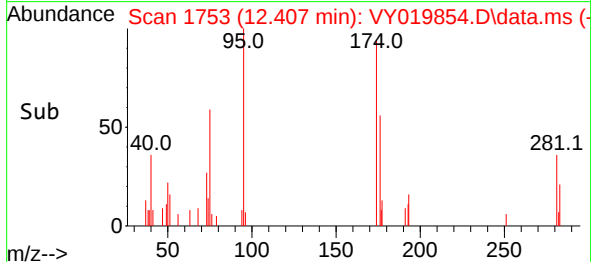
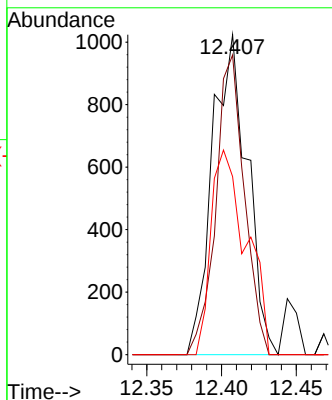
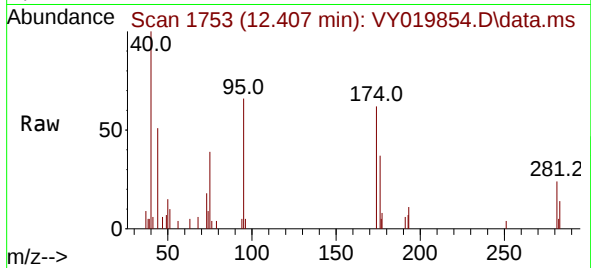




#62
4-Bromofluorobenzene
Concen: 12.432 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

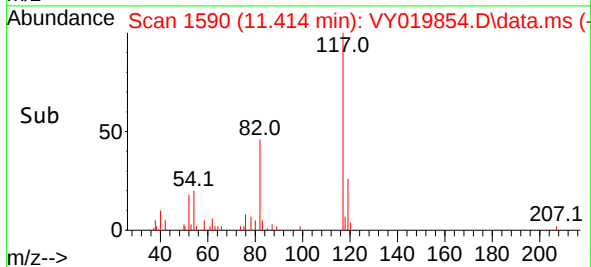
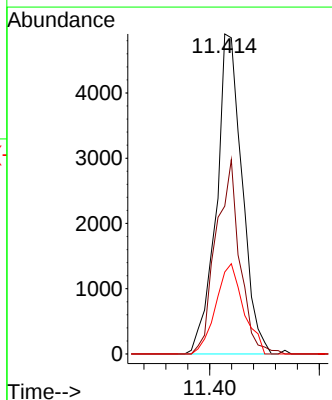
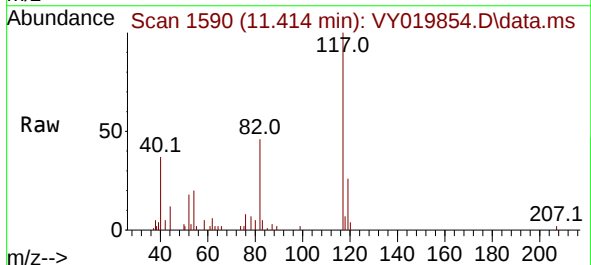
Instrument :
MSVOA_Y
ClientSampleId :

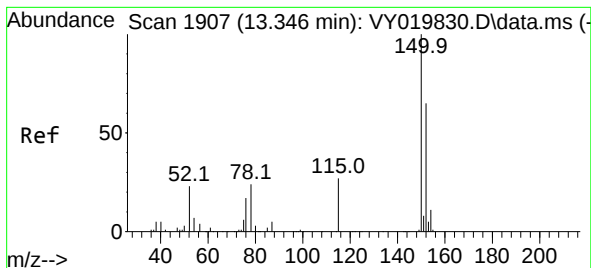
Tgt Ion:	95	Resp:	1658
Ion Ratio	Lower	Upper	
95	100		
174	76.8	0.0	148.0
176	64.7	0.0	142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

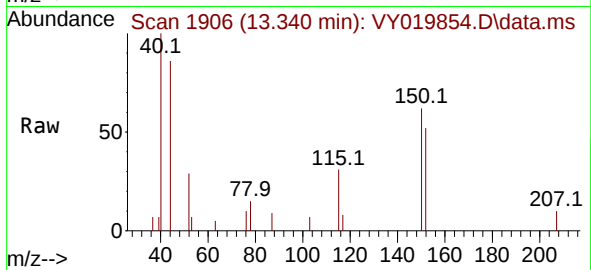
Tgt Ion:	117	Resp:	8002
Ion Ratio	Lower	Upper	
117	100		
82	46.2	46.9	70.3
119	25.6	25.4	38.2



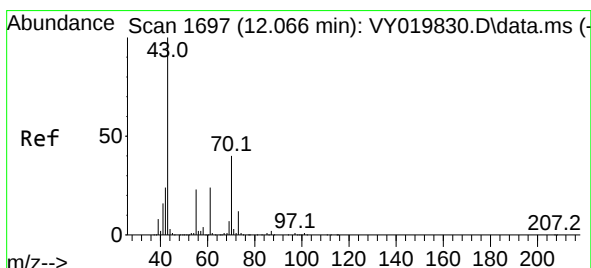
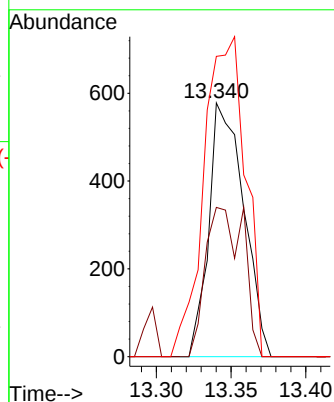
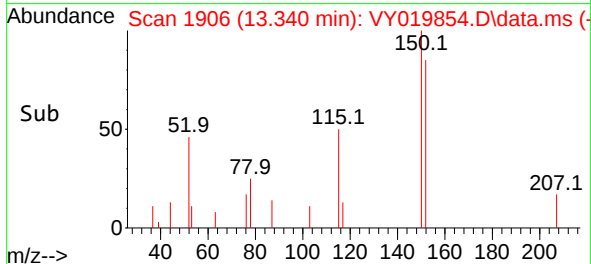


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

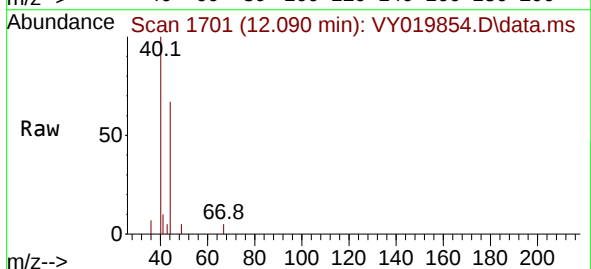
Instrument :
MSVOA_Y
ClientSampleId :



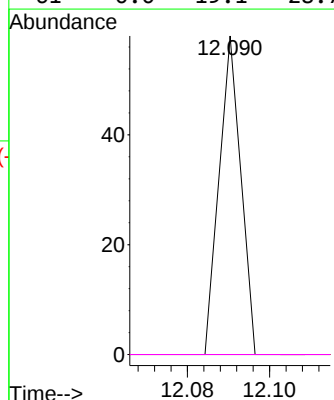
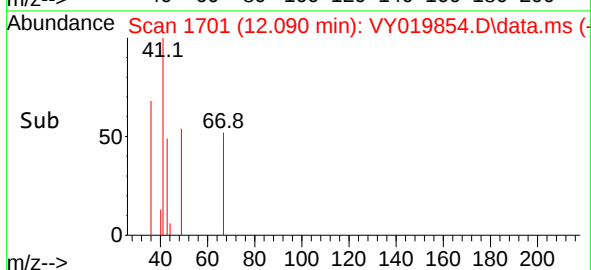
Tgt Ion:152 Resp: 938
Ion Ratio Lower Upper
152 100
115 63.8 30.8 92.3
150 149.3 0.0 352.8

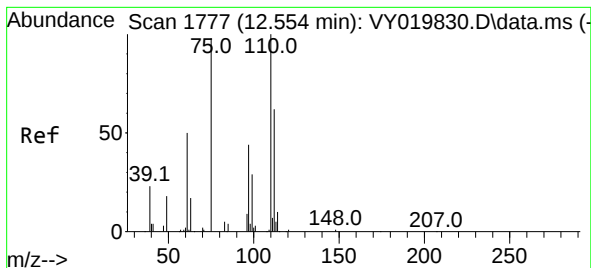


#74
N-ethyl acetate
Concen: 1.005 ug/l
RT: 12.090 min Scan# 1701
Delta R.T. 0.024 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17



Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
70 0.0 32.8 49.2#
55 0.0 19.3 28.9#
61 0.0 19.1 28.7#





#76

1,2,3-Trichloropropane

Concen: 110.062 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Instrument :

MSVOA_Y

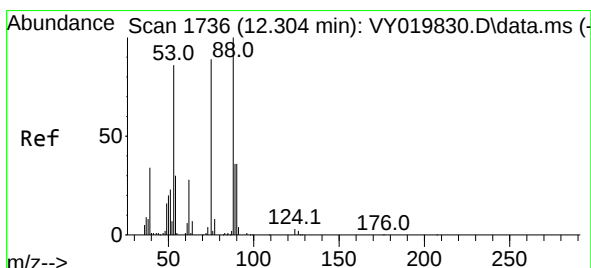
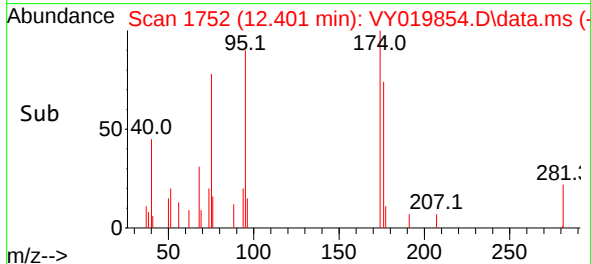
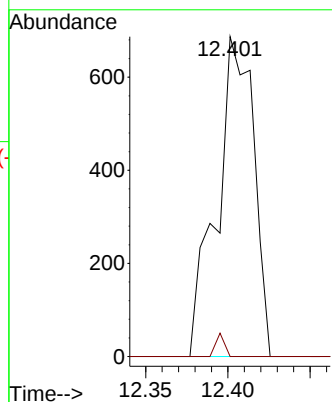
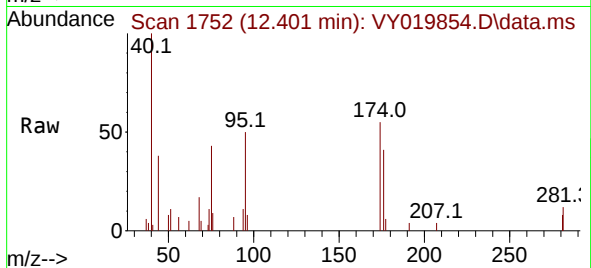
ClientSampleId :

Tgt Ion: 75 Resp: 1075

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 236.138 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

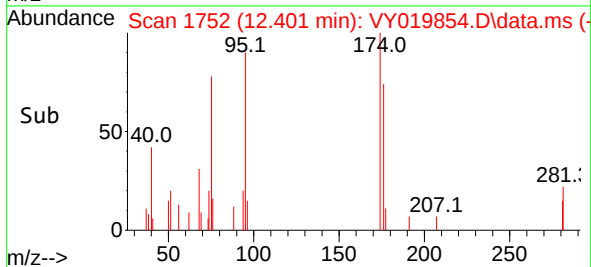
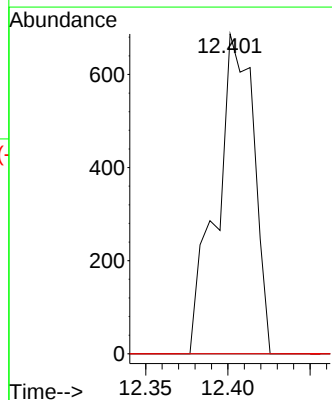
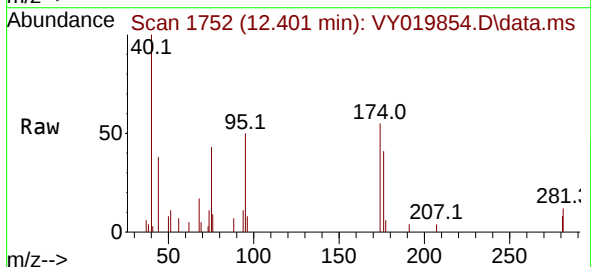
Tgt Ion: 75 Resp: 1075

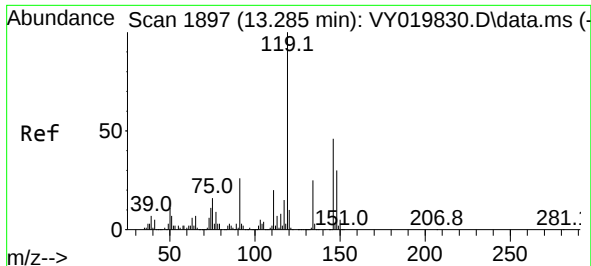
Ion Ratio Lower Upper

75 100

53 0.0 84.7 127.1#

89 0.0 35.4 53.2#





#87

1,3-Dichlorobenzene

Concen: 1.508 ug/l

RT: 13.297 min Scan# 1899

Delta R.T. 0.012 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

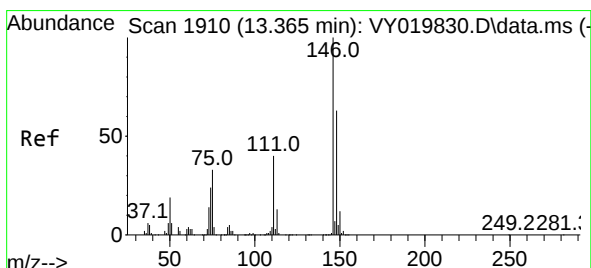
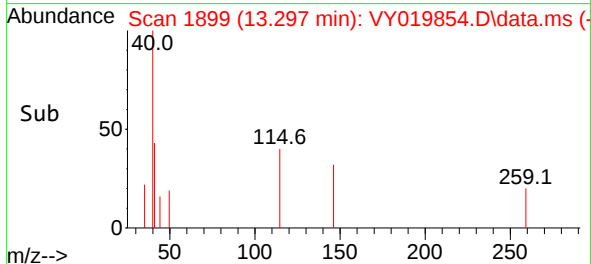
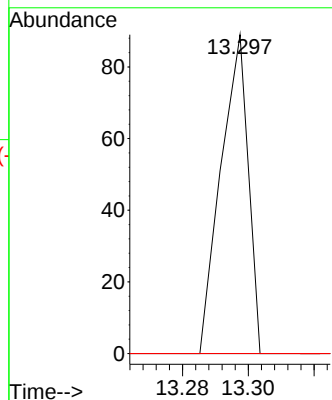
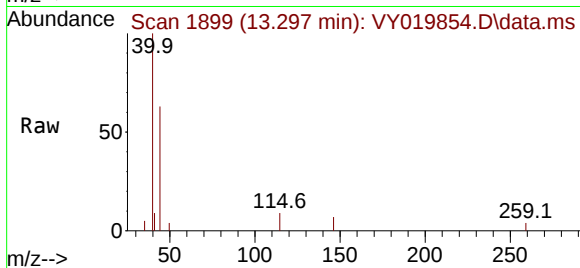
Tgt Ion:146 Resp: 51

Ion Ratio Lower Upper

146 100

111 0.0 21.1 63.1#

148 0.0 32.0 96.2#



#88

1,4-Dichlorobenzene

Concen: 1.535 ug/l

RT: 13.297 min Scan# 1899

Delta R.T. -0.067 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

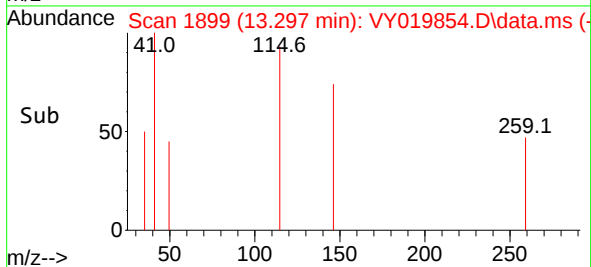
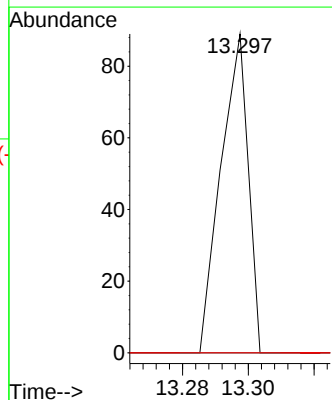
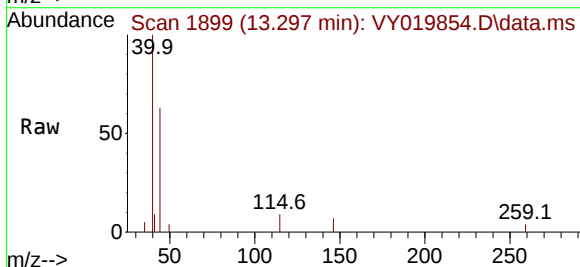
Tgt Ion:146 Resp: 51

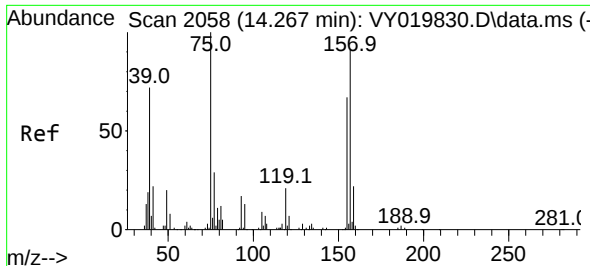
Ion Ratio Lower Upper

146 100

111 0.0 20.3 61.0#

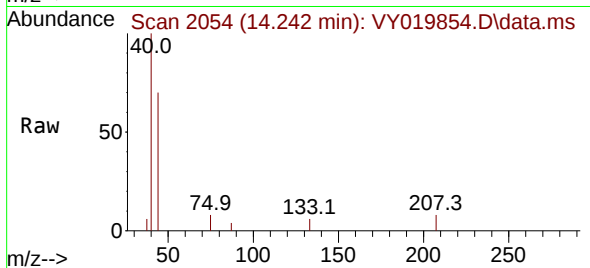
148 0.0 32.0 96.0#



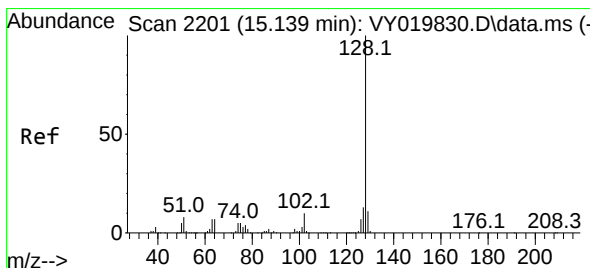
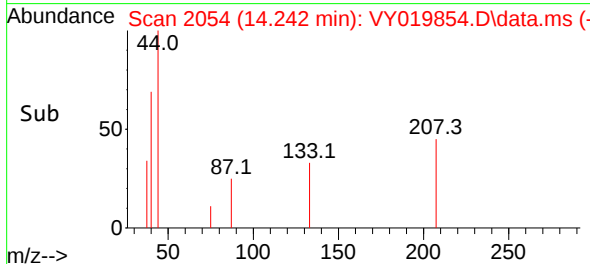
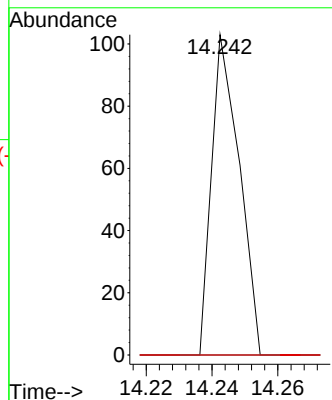


#92
1,2-Dibromo-3-Chloropropane
Concen: 26.817 ug/l
RT: 14.242 min Scan# 2054
Delta R.T. -0.025 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

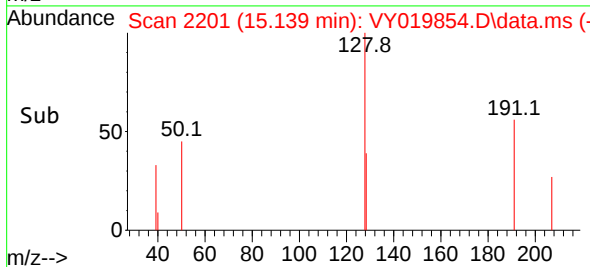
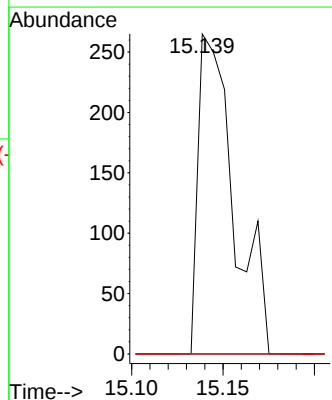
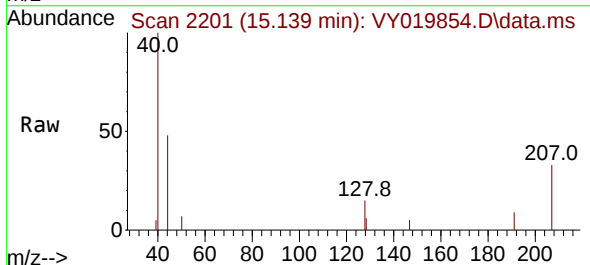


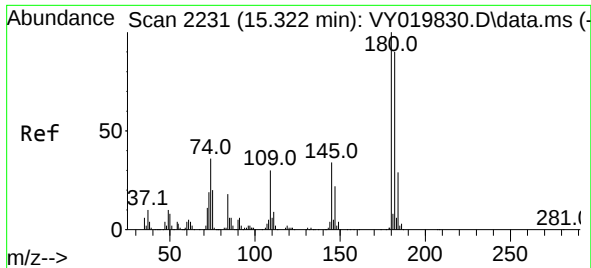
Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 38.5 115.5#
157 0.0 49.9 149.7#



#95
Naphthalene
Concen: 11.458 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

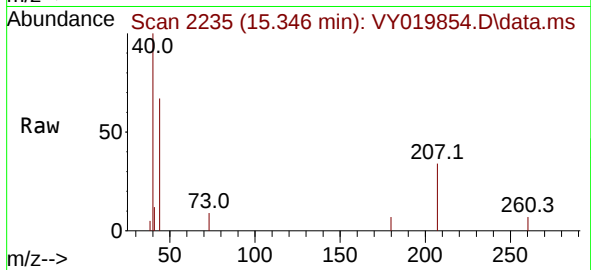
Tgt Ion: 128 Resp: 360
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.622 ug/l
 RT: 15.346 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY019854.D
 Acq: 10 Oct 2024 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.8	140.4#
145	0.0	16.9	50.6#

