

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019852.D
 Acq On : 10 Oct 2024 14:30
 Operator : SY/MD
 Sample : P4364-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:42:58 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)

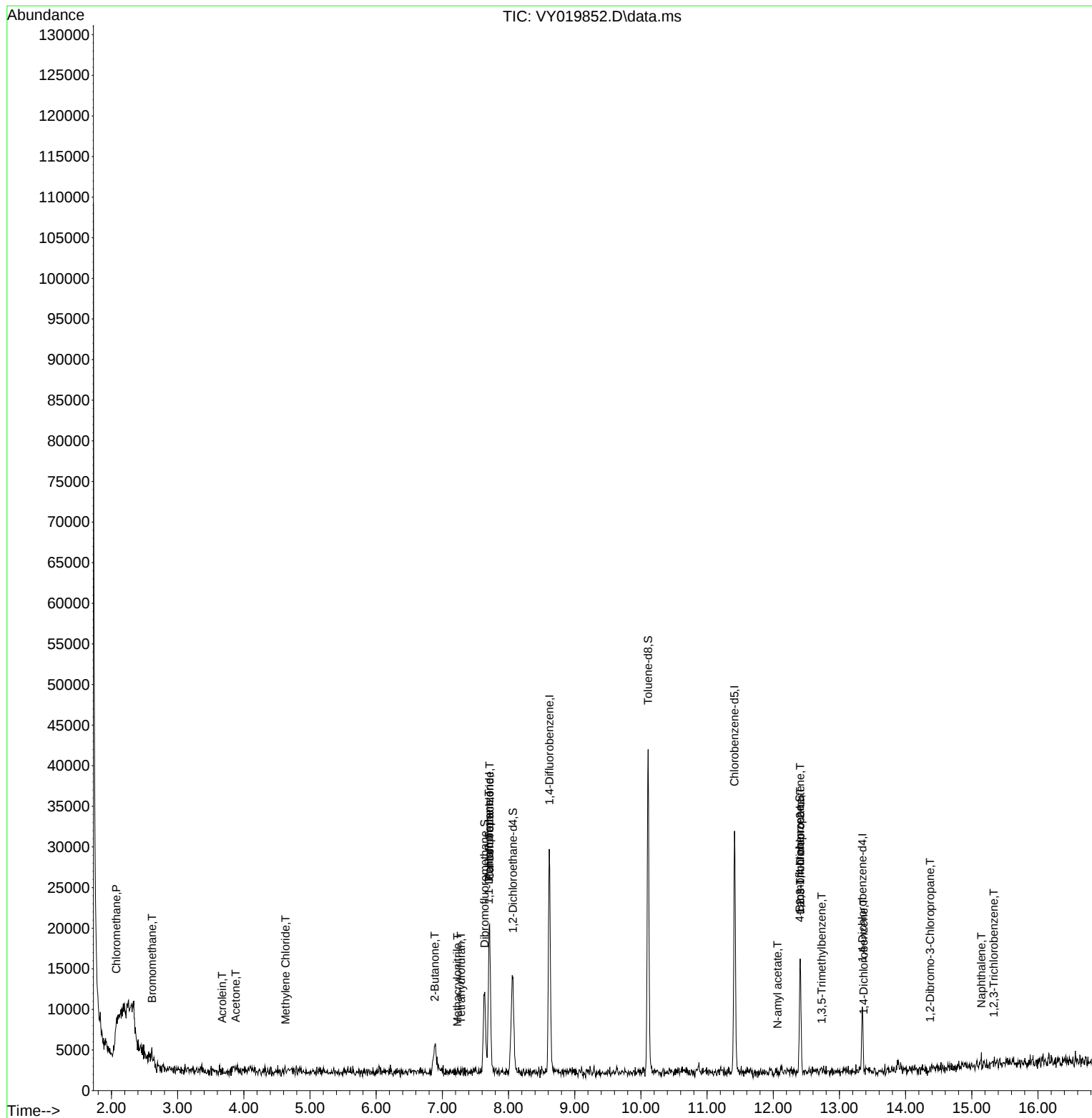
Internal Standards						
1) Pentafluorobenzene	7.707	168	13654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	23051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	14978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	7620	45.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.640%
35) Dibromofluoromethane	7.640	113	7362	48.399	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.800%
50) Toluene-d8	10.109	98	25117	44.714	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.420%
62) 4-Bromofluorobenzene	12.402	95	4382	21.590	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	43.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	338	2.043	ug/l #	43
5) Bromomethane	2.611	94	404	3.506	ug/l #	31
11) Tert butyl alcohol	4.817	59	132	Below Cal	#	79
13) Acrolein	3.671	56	57	4.614	ug/l #	14
16) Acetone	3.879	43	1465	33.475	ug/l #	45
20) Methylene Chloride	4.629	84	279	1.580	ug/l #	29
25) 2-Butanone	6.884	43	126	2.151	ug/l #	51
29) Tetrahydrofuran	7.280	42	69	2.063	ug/l #	35
36) 1,1-Dichloropropene	7.701	75	1356	6.188	ug/l #	44
38) Carbon Tetrachloride	7.713	117	1386	5.900	ug/l #	12
41) Methacrylonitrile	7.226	41	90	1.455	ug/l #	44
74) N-amyl acetate	12.066	43	67	1.819	ug/l #	44
76) 1,2,3-Trichloropropane	12.408	75	2705	157.155	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.731	105	126	1.122	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.408	75	2705	337.174	ug/l #	8
88) 1,4-Dichlorobenzene	13.365	146	79	1.350	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.371	75	18	4.565	ug/l #	5
95) Naphthalene	15.145	128	536	9.681	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.334	180	140	5.642	ug/l #	72

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

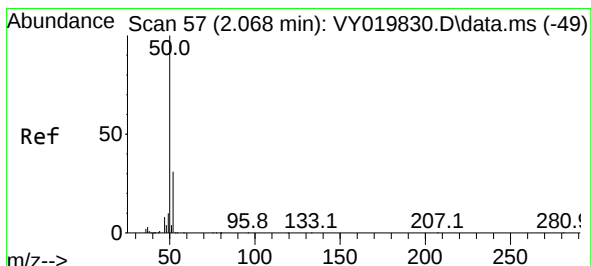
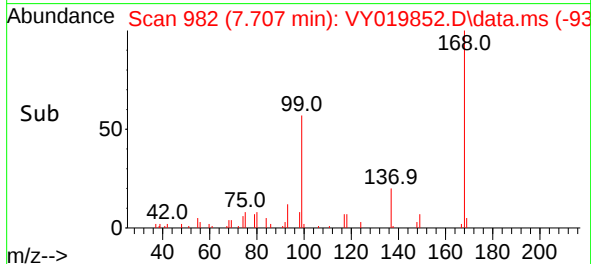
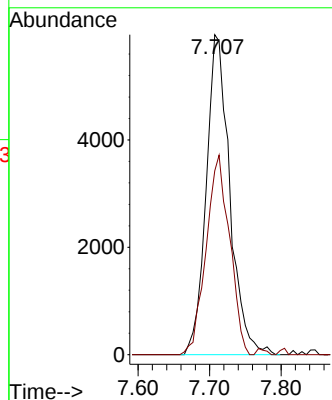
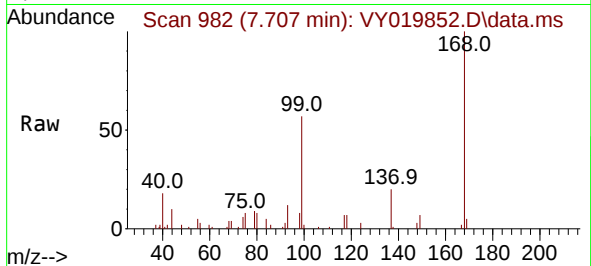




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

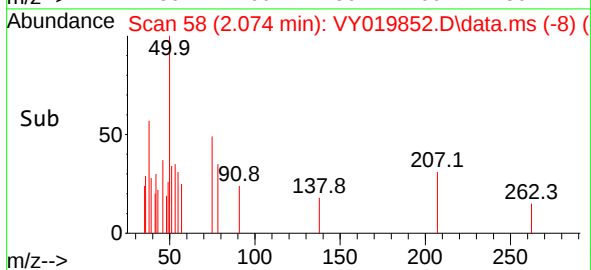
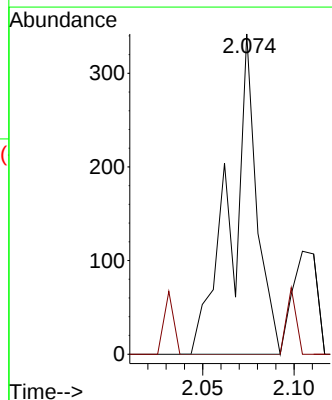
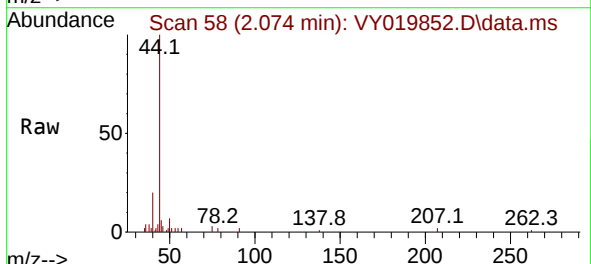
Instrument :
MSVOA_Y
ClientSampleId :

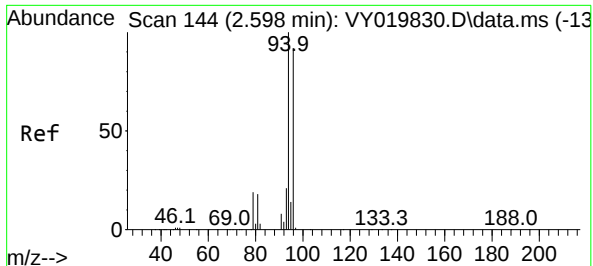
Tgt Ion:168 Resp: 13654
Ion Ratio Lower Upper
168 100
99 57.5 52.6 78.8



#3
Chloromethane
Concen: 2.043 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Tgt Ion: 50 Resp: 338
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

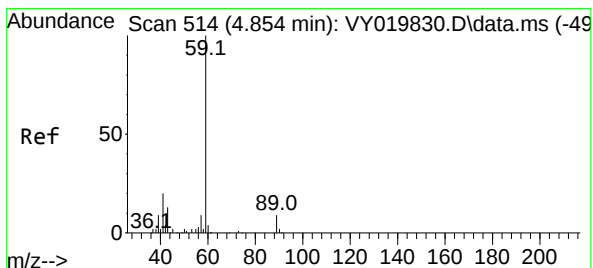
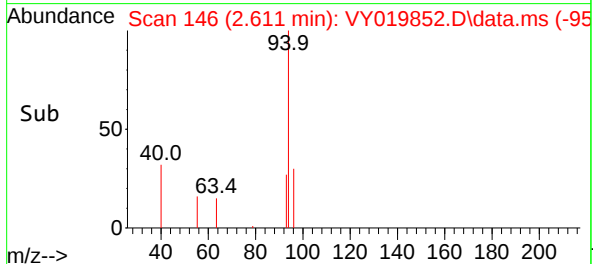
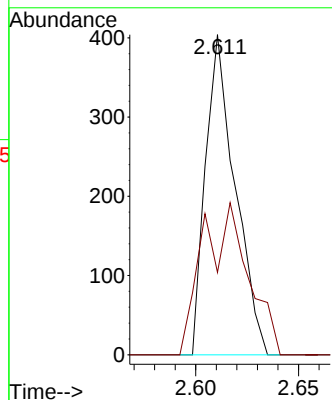
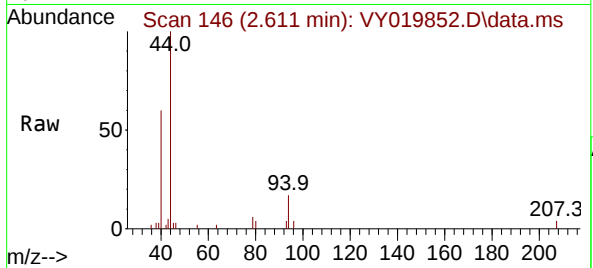




#5
Bromomethane
Concen: 3.506 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

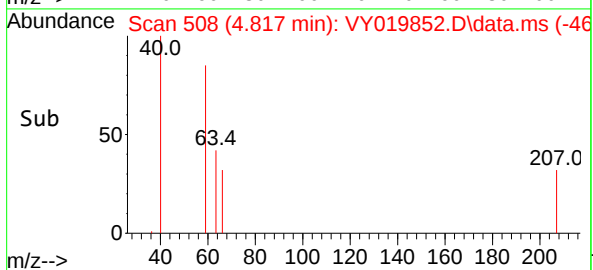
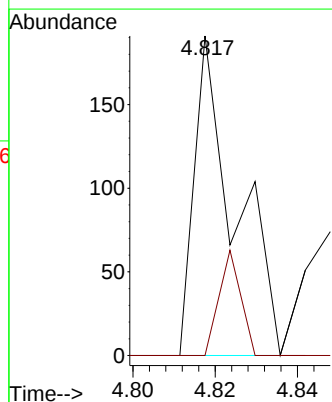
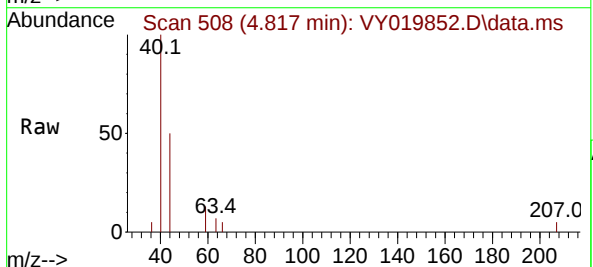
Instrument :
MSVOA_Y
ClientSampleId :

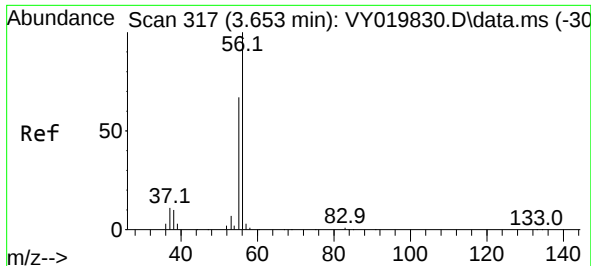
Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 25.7 73.6 110.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.817 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

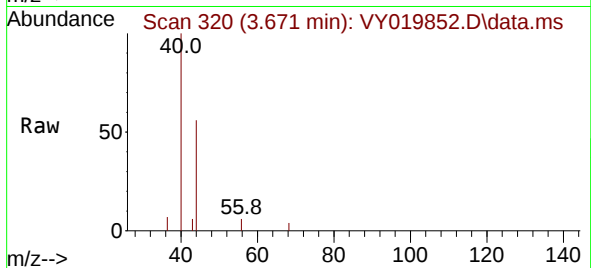
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 17.4 7.7 11.5#



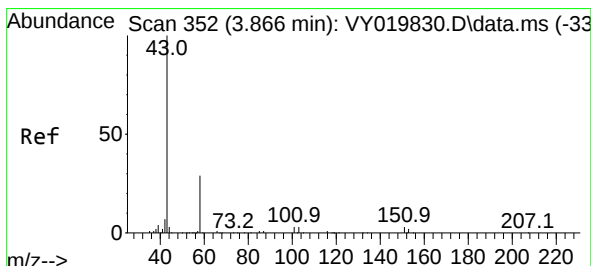
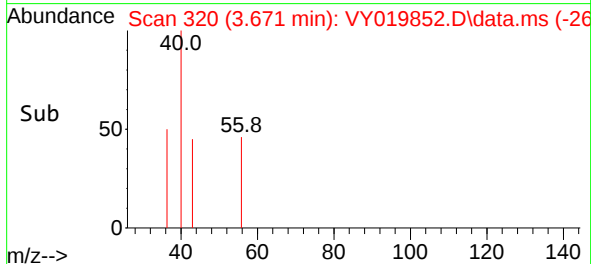
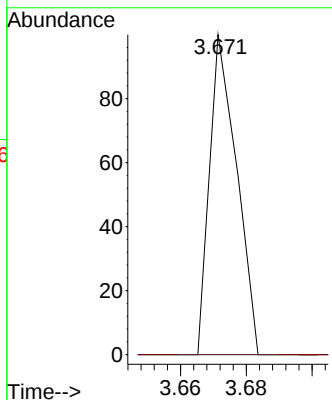


#13
Acrolein
Concen: 4.614 ug/l
RT: 3.671 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

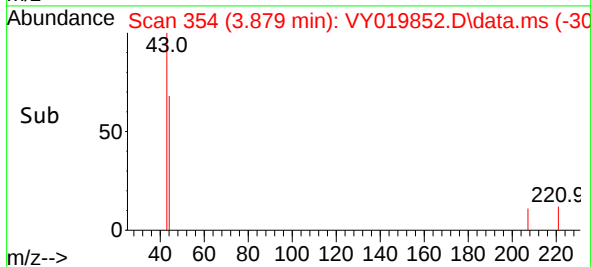
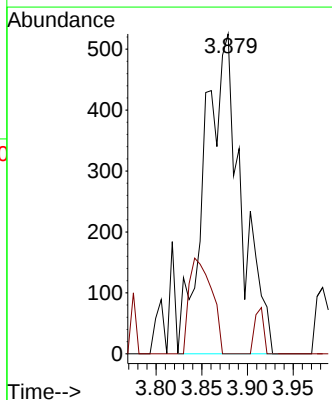
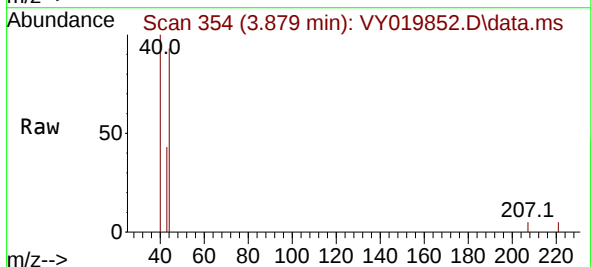


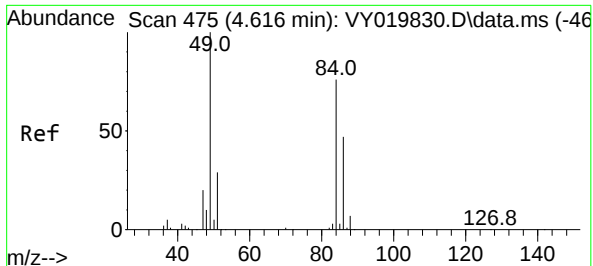
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 33.475 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

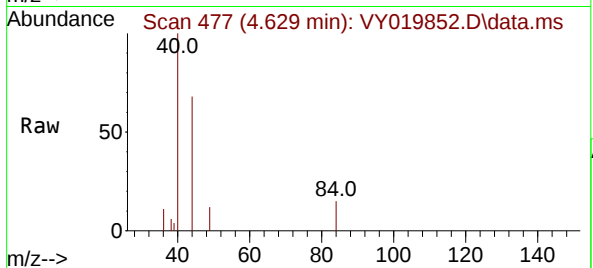
Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



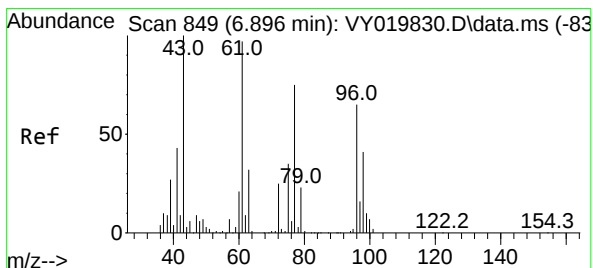
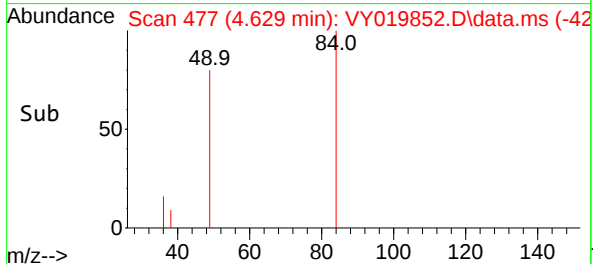
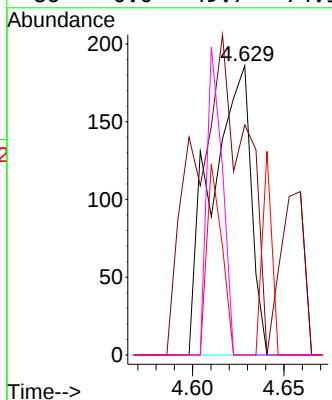


#20
Methylene Chloride
Concen: 1.580 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

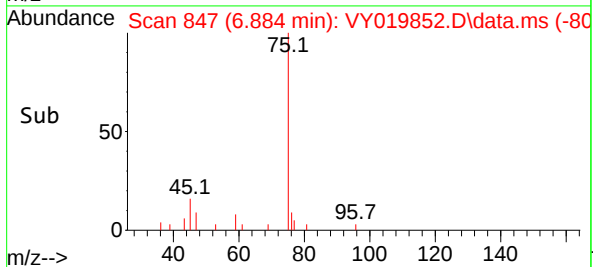
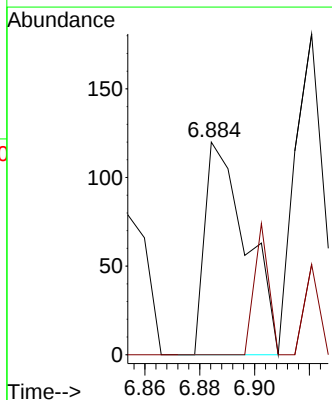
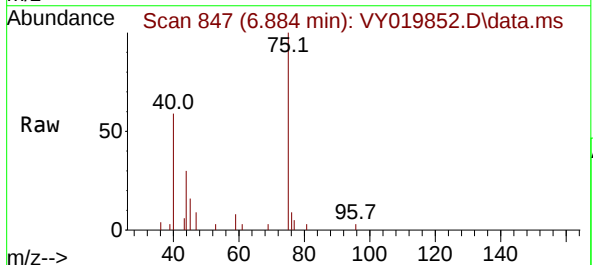


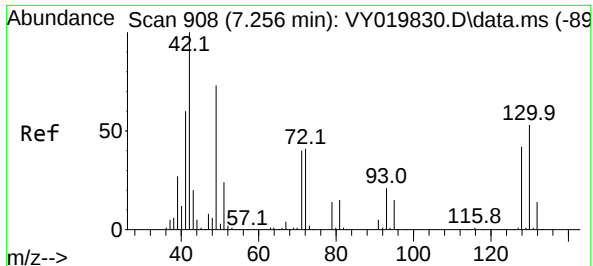
Tgt Ion: 84 Resp: 279
Ion Ratio Lower Upper
84 100
49 50.5 104.8 157.2#
51 0.0 30.4 45.6#
86 0.0 49.7 74.5#



#25
2-Butanone
Concen: 2.151 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#





#29

Tetrahydrofuran

Concen: 2.063 ug/l

RT: 7.280 min Scan# 91

Delta R.T. 0.024 min

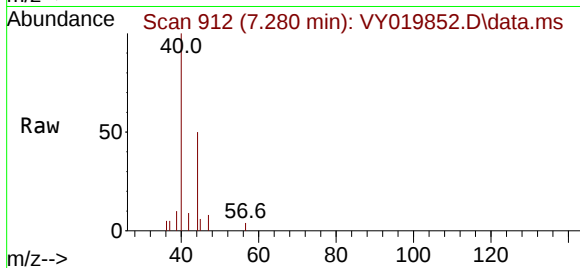
Lab File: VY019852.D

Acq: 10 Oct 2024 14:30

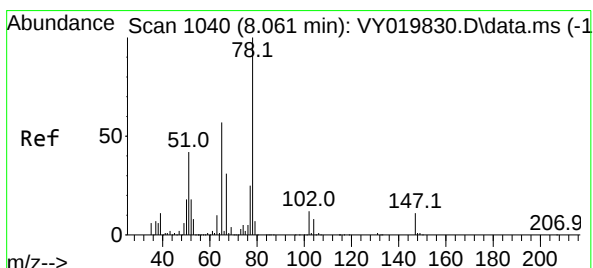
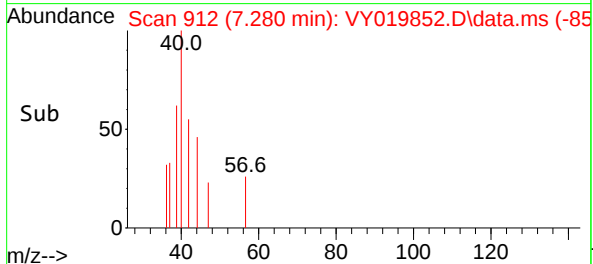
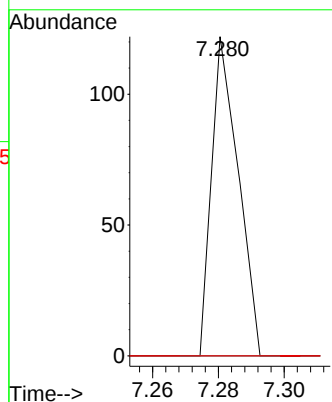
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	69
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.6	47.4#



#33

1,2-Dichloroethane-d4

Concen: 45.324 ug/l

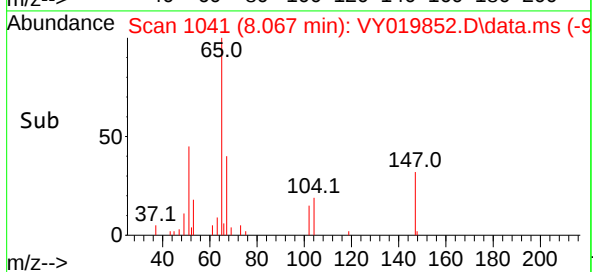
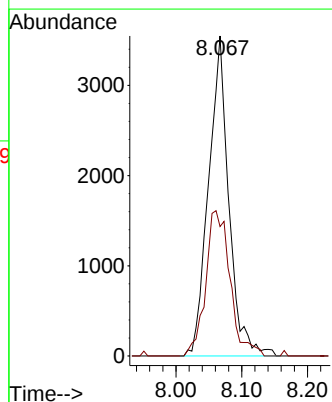
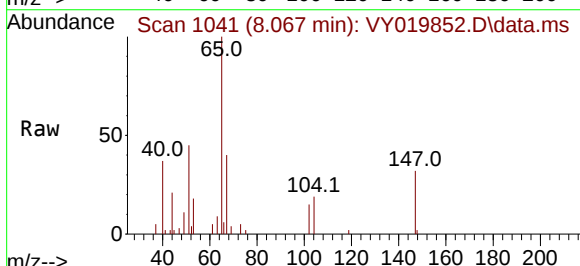
RT: 8.067 min Scan# 1041

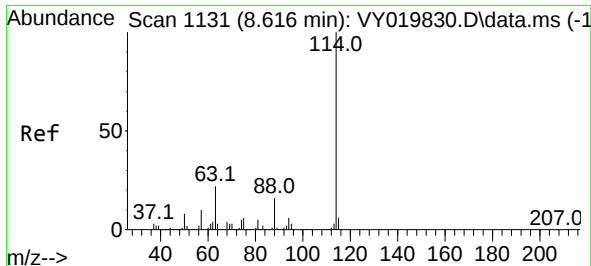
Delta R.T. 0.006 min

Lab File: VY019852.D

Acq: 10 Oct 2024 14:30

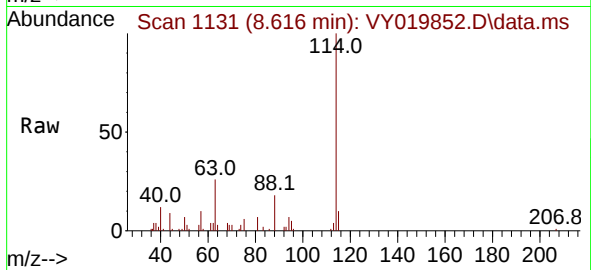
Tgt Ion:	65	Resp:	7620
Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.0



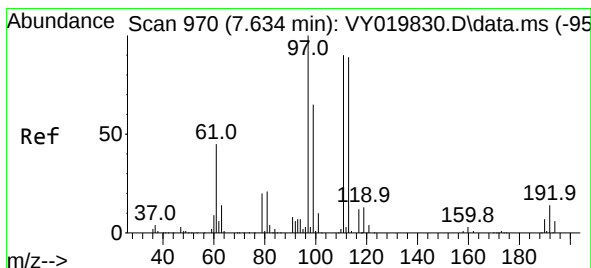
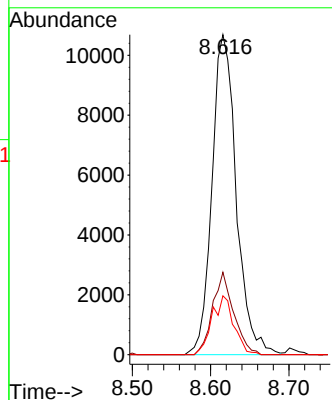
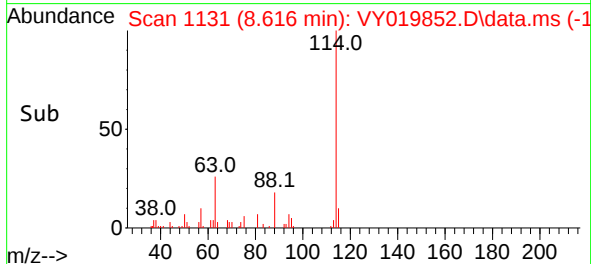


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

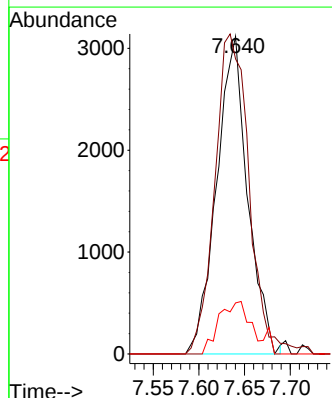
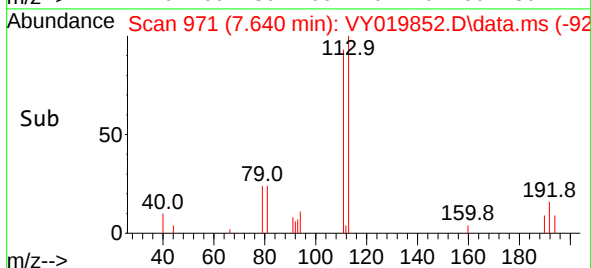
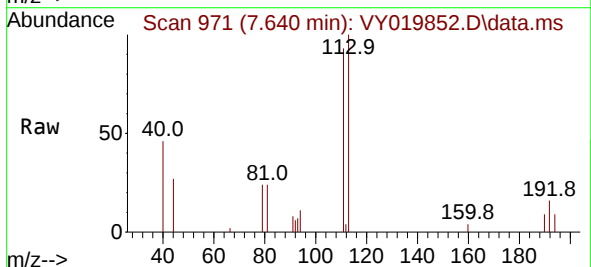


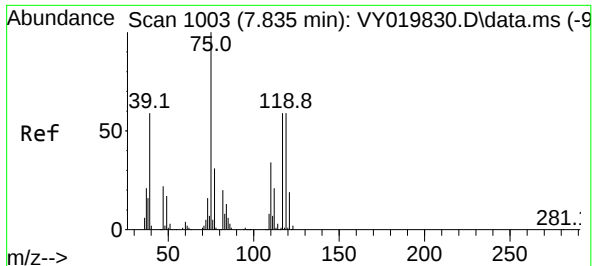
Tgt Ion:	114	Resp:	23051
Ion Ratio	Lower	Upper	
114	100		
63	25.8	0.0	43.8
88	18.4	0.0	32.0



#35
Dibromofluoromethane
Concen: 48.399 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Tgt Ion:	113	Resp:	7362
Ion Ratio	Lower	Upper	
113	100		
111	111.3	82.9	124.3
192	18.3	13.6	20.4





#36

1,1-Dichloropropene

Concen: 6.188 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

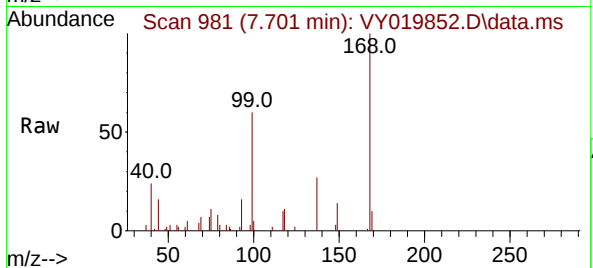
Lab File: VY019852.D

Acq: 10 Oct 2024 14:30

Instrument :

MSVOA_Y

ClientSampleId :



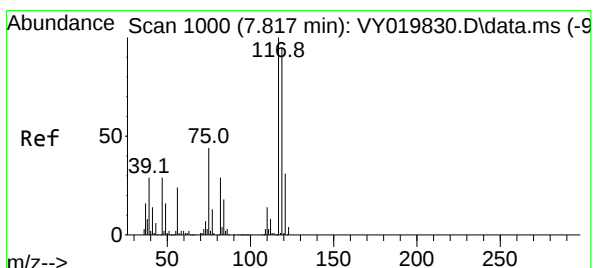
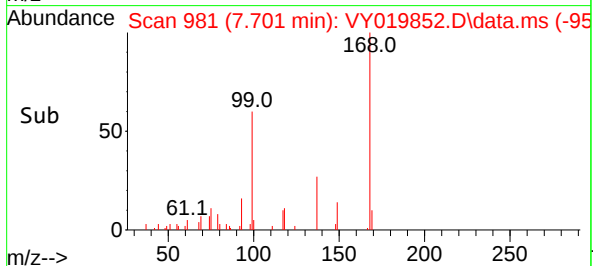
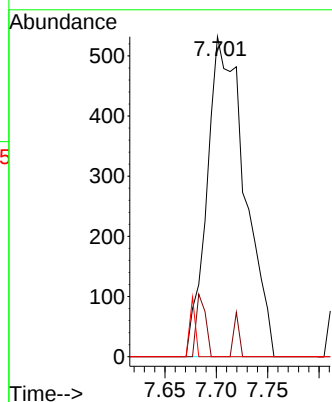
Tgt Ion: 75 Resp: 1356

Ion Ratio Lower Upper

75 100

110 2.0 16.6 49.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.900 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY019852.D

Acq: 10 Oct 2024 14:30

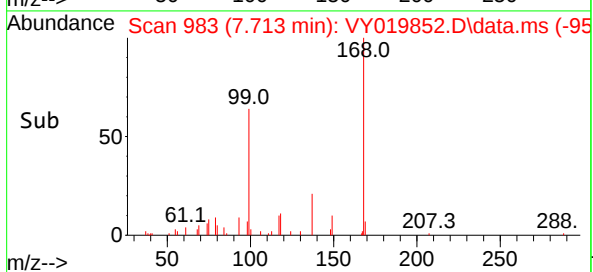
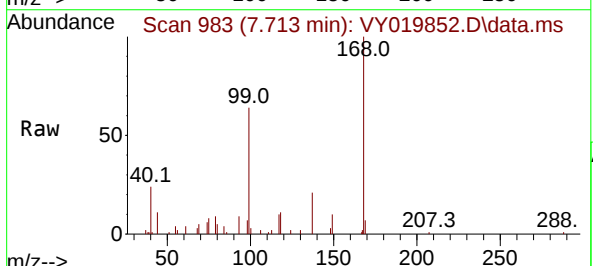
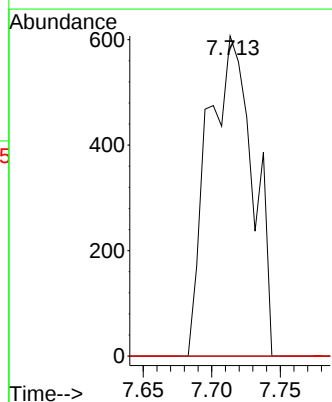
Tgt Ion: 117 Resp: 1386

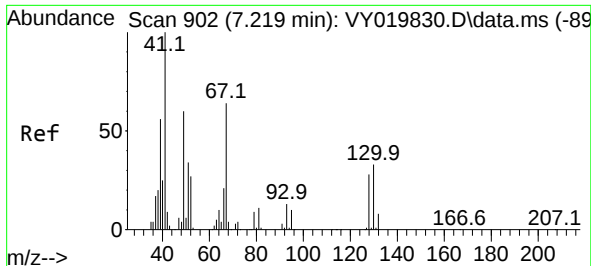
Ion Ratio Lower Upper

117 100

119 0.0 76.2 114.4#

121 0.0 25.0 37.4#

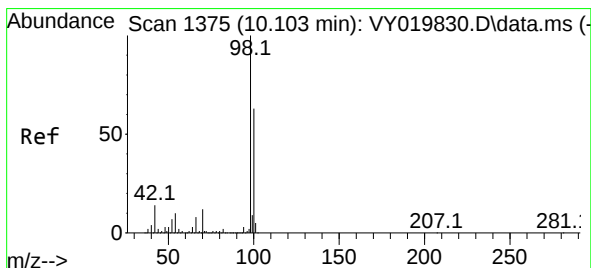
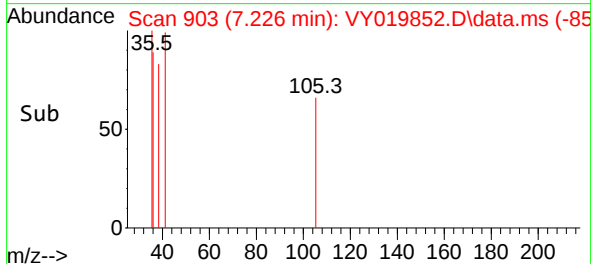
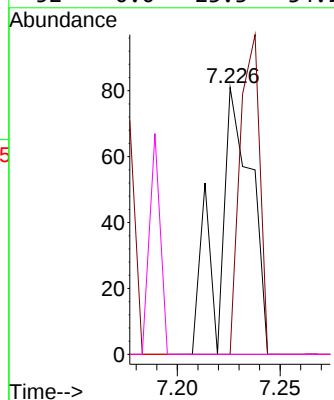
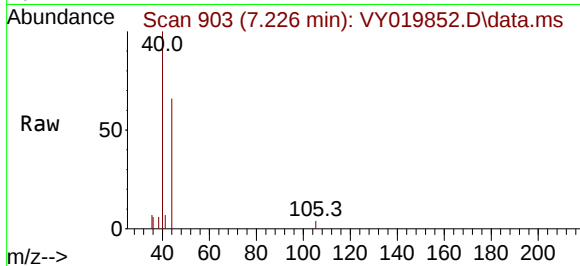




#41
Methacrylonitrile
Concen: 1.455 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

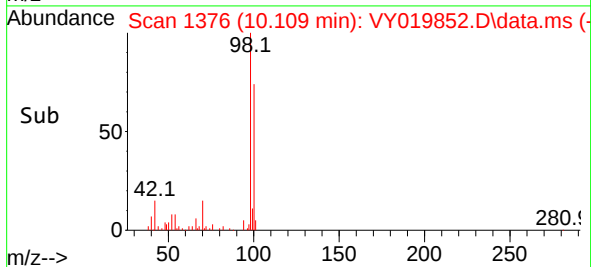
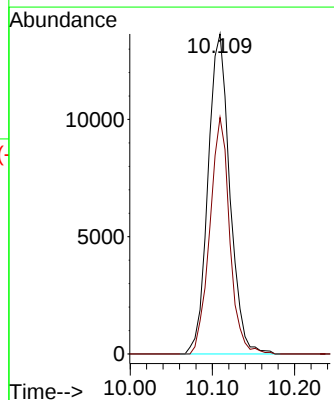
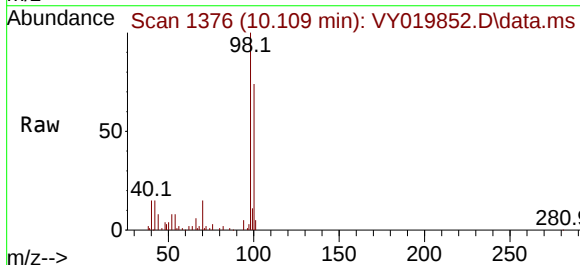
Instrument :
MSVOA_Y
ClientSampleId :

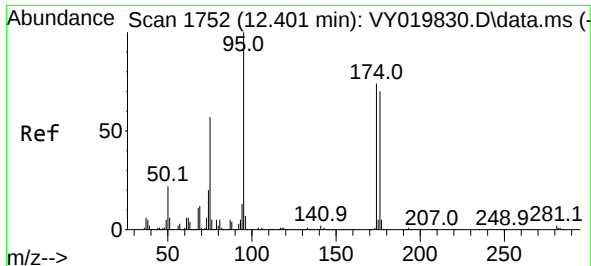
Tgt Ion:	41	Resp:	90
Ion	Ratio	Lower	Upper
41	100		
39	71.1	43.9	65.9#
67	0.0	53.2	79.8#
52	0.0	23.3	34.9#



#50
Toluene-d8
Concen: 44.714 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Tgt Ion:	98	Resp:	25117
Ion	Ratio	Lower	Upper
98	100		
100	67.5	51.1	76.7





#62

4-Bromofluorobenzene

Concen: 21.590 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY019852.D

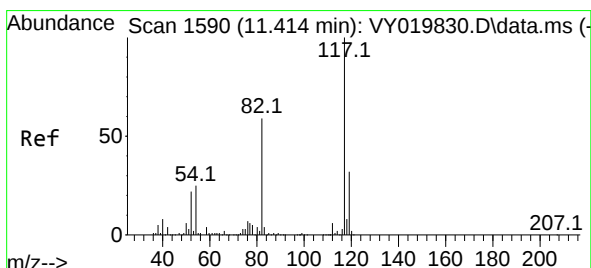
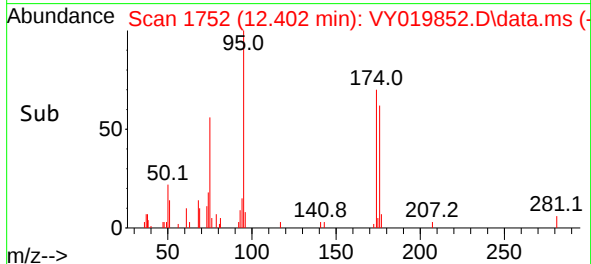
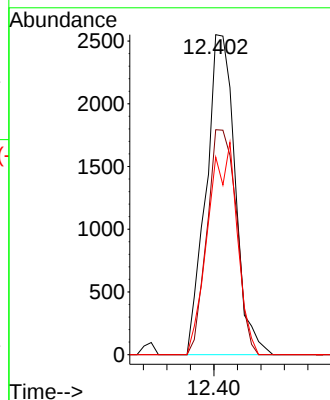
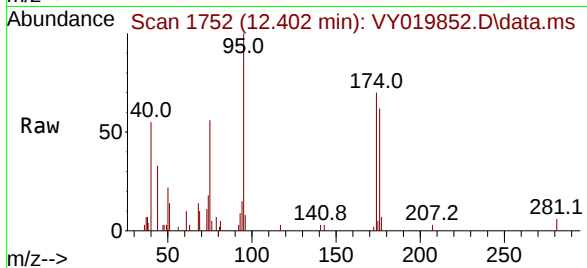
Acq: 10 Oct 2024 14:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	95	Resp:	4382
Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	148.0
176	66.2	0.0	142.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

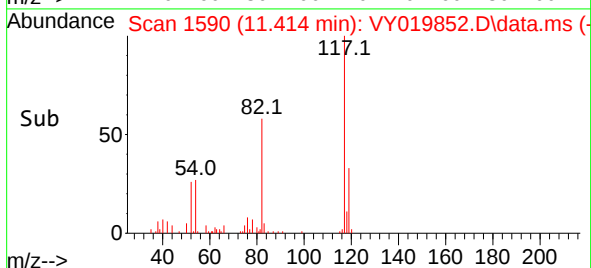
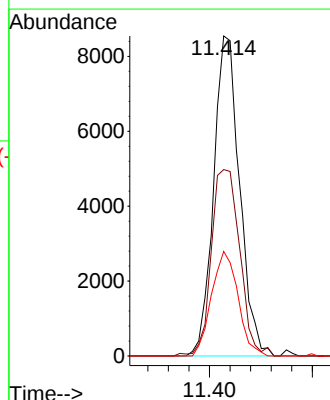
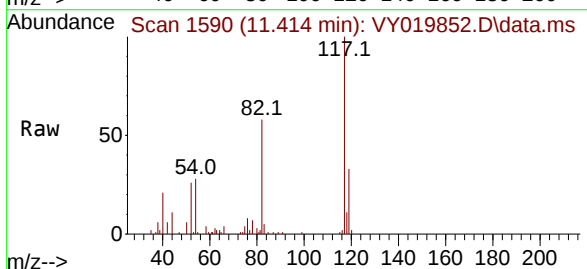
RT: 11.414 min Scan# 1590

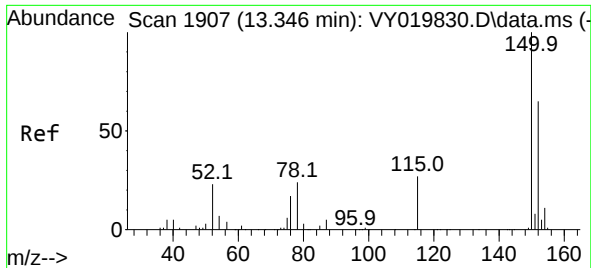
Delta R.T. 0.000 min

Lab File: VY019852.D

Acq: 10 Oct 2024 14:30

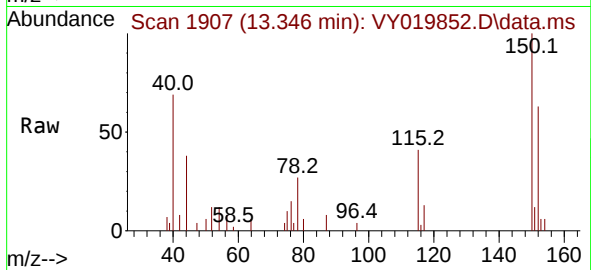
Tgt Ion:	117	Resp:	14978
Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.9	70.3
119	32.7	25.4	38.2



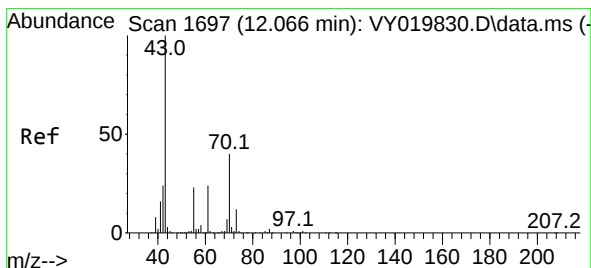
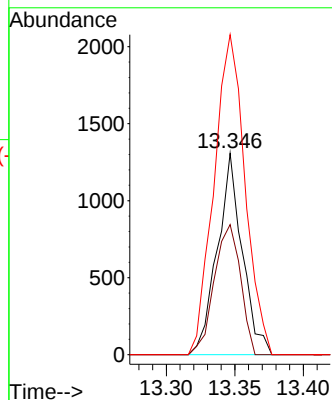
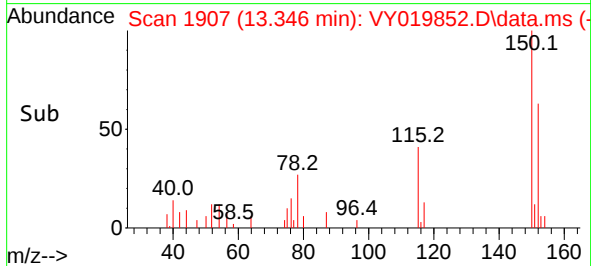


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019852.D
 Acq: 10 Oct 2024 14:30

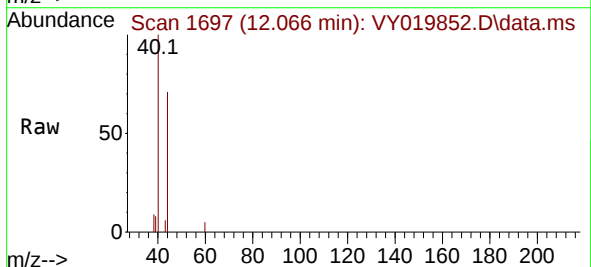
Instrument :
 MSVOA_Y
 ClientSampleId :



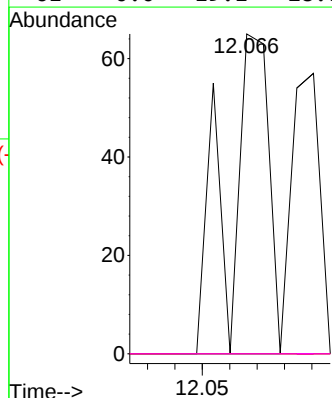
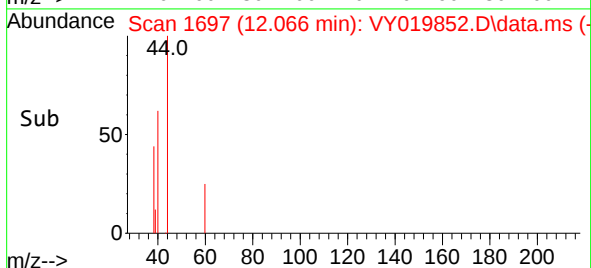
Tgt Ion:152 Resp: 1653
 Ion Ratio Lower Upper
 152 100
 115 67.9 30.8 92.3
 150 197.9 0.0 352.8

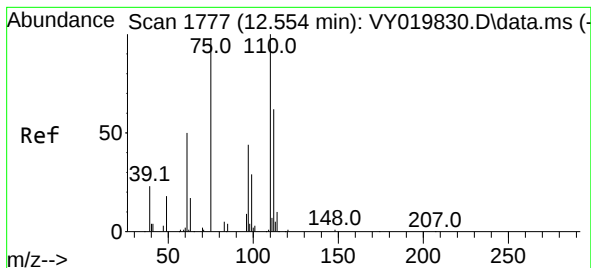


#74
 N-ethyl acetate
 Concen: 1.819 ug/l
 RT: 12.066 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: VY019852.D
 Acq: 10 Oct 2024 14:30



Tgt Ion: 43 Resp: 67
 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#

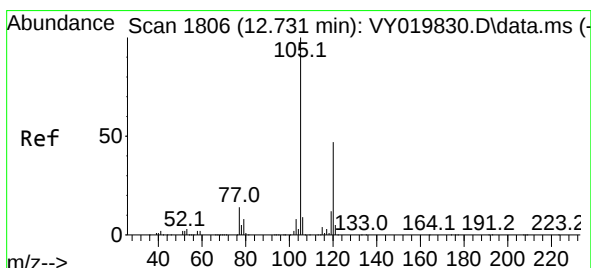
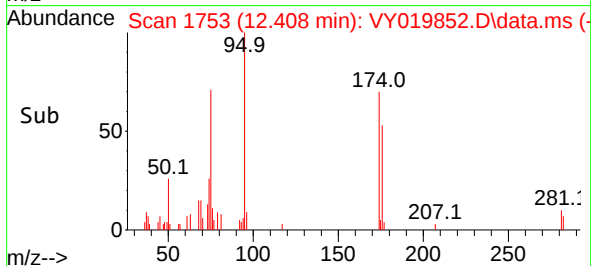
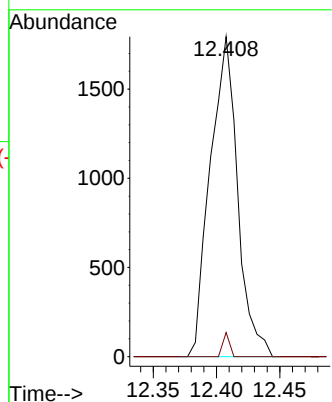
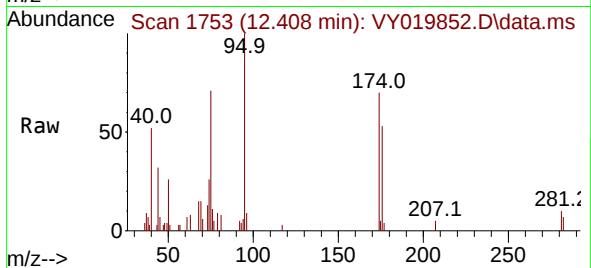




#76
 1,2,3-Trichloropropane
 Concen: 157.155 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. -0.146 min
 Lab File: VY019852.D
 Acq: 10 Oct 2024 14:30

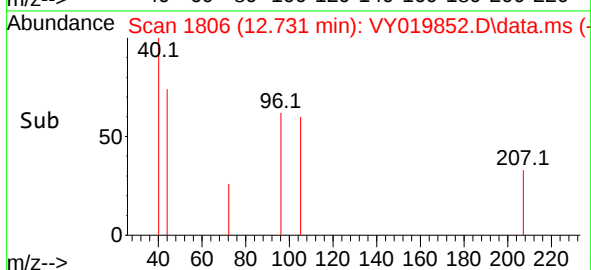
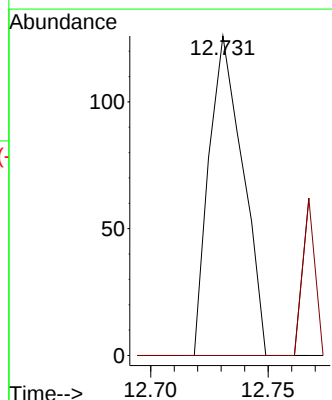
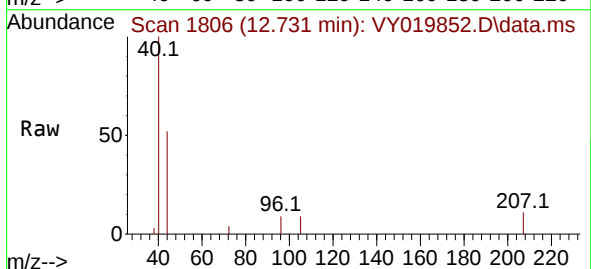
Instrument :
 MSVOA_Y
 ClientSampleId :

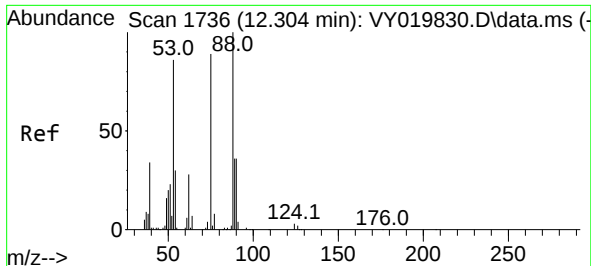
Tgt Ion: 75 Resp: 2705
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.122 ug/l
 RT: 12.731 min Scan# 1806
 Delta R.T. 0.000 min
 Lab File: VY019852.D
 Acq: 10 Oct 2024 14:30

Tgt Ion: 105 Resp: 126
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 71.5#

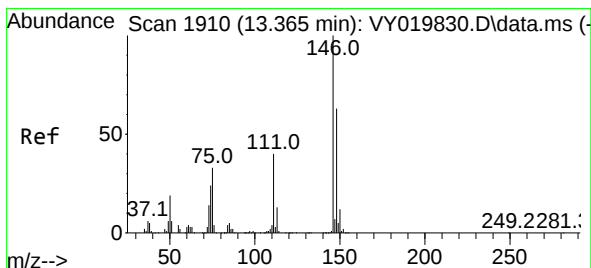
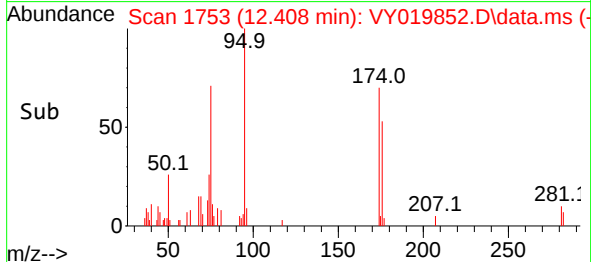
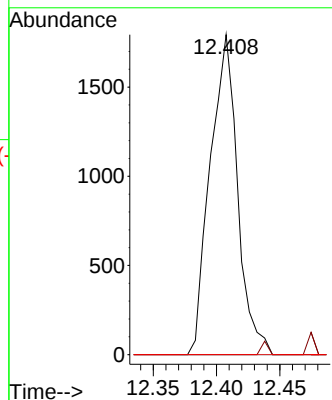
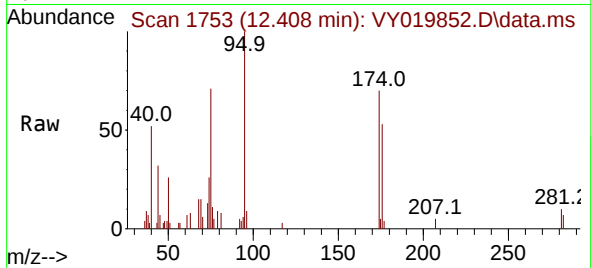




#81
trans-1,4-Dichloro-2-butene
Concen: 337.174 ug/l
RT: 12.408 min Scan# 1736
Delta R.T. 0.104 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

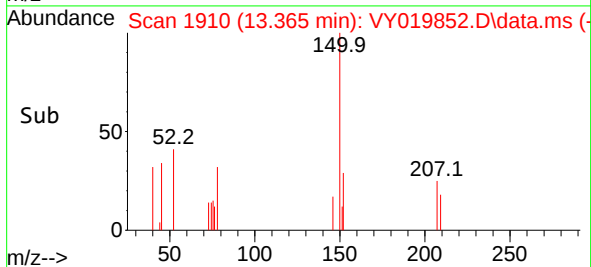
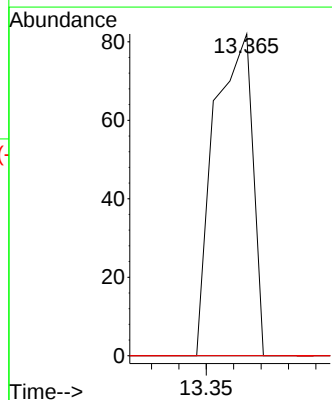
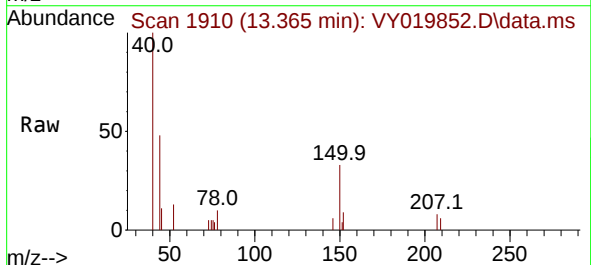
Instrument :
MSVOA_Y
ClientSampleId :

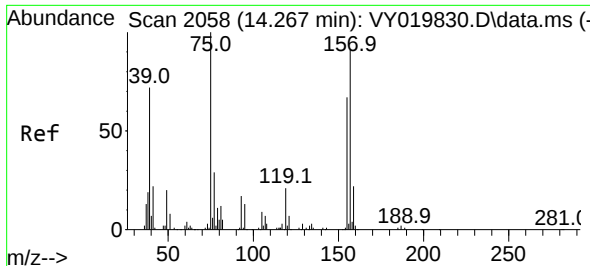
Tgt Ion: 75 Resp: 2705
Ion Ratio Lower Upper
75 100
53 0.0 84.7 127.1#
89 0.0 35.4 53.2#



#88
1,4-Dichlorobenzene
Concen: 1.350 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

Tgt Ion:146 Resp: 79
Ion Ratio Lower Upper
146 100
111 0.0 20.3 61.0#
148 0.0 32.0 96.0#

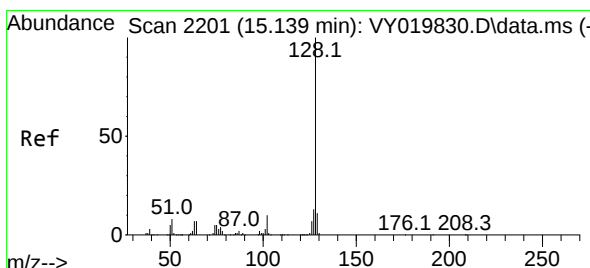
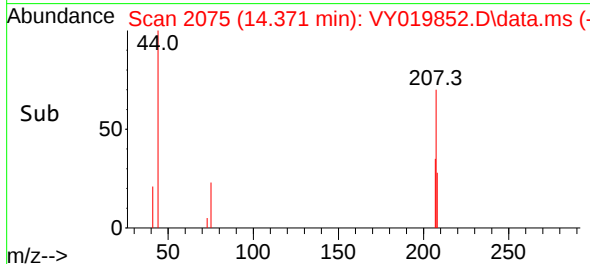
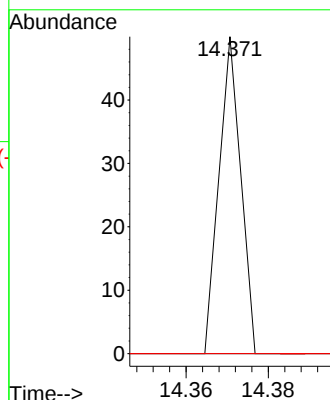
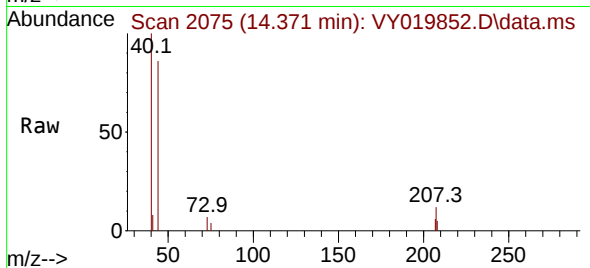




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.565 ug/l
RT: 14.371 min Scan# 2058
Delta R.T. 0.104 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

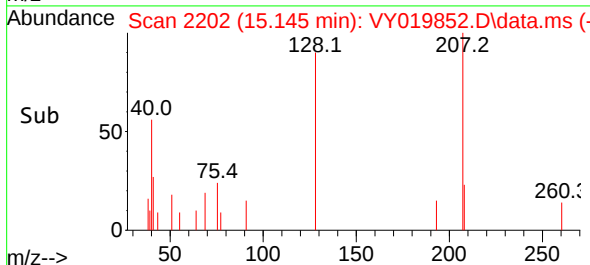
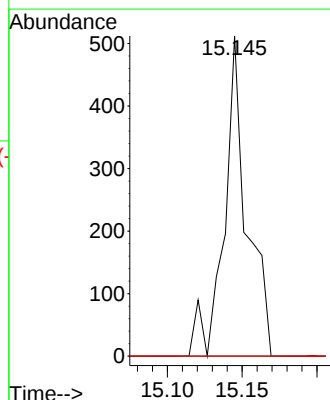
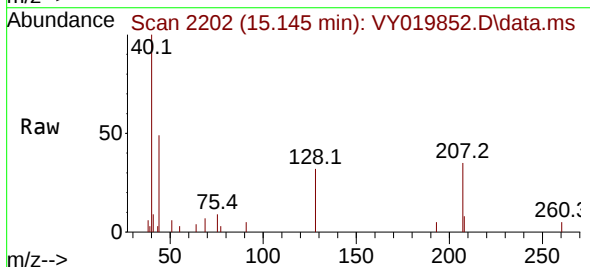
Instrument :
MSVOA_Y
ClientSampleId :

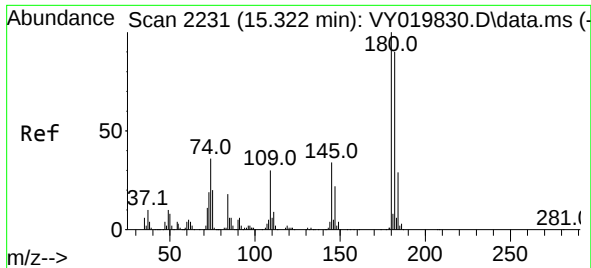
Tgt Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
155 0.0 38.5 115.5#
157 0.0 49.9 149.7#



#95
Naphthalene
Concen: 9.681 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY019852.D
Acq: 10 Oct 2024 14:30

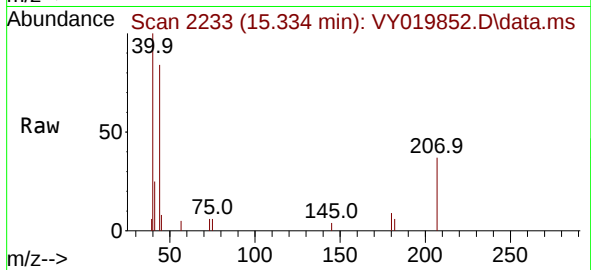
Tgt Ion:128 Resp: 536
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 5.642 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY019852.D
 Acq: 10 Oct 2024 14:30

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	69.3	46.8	140.4
145	13.6	16.9	50.6

