

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100424\
 Data File : VY019798.D
 Acq On : 04 Oct 2024 14:30
 Operator : SY/MD
 Sample : P4273-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 23:32:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

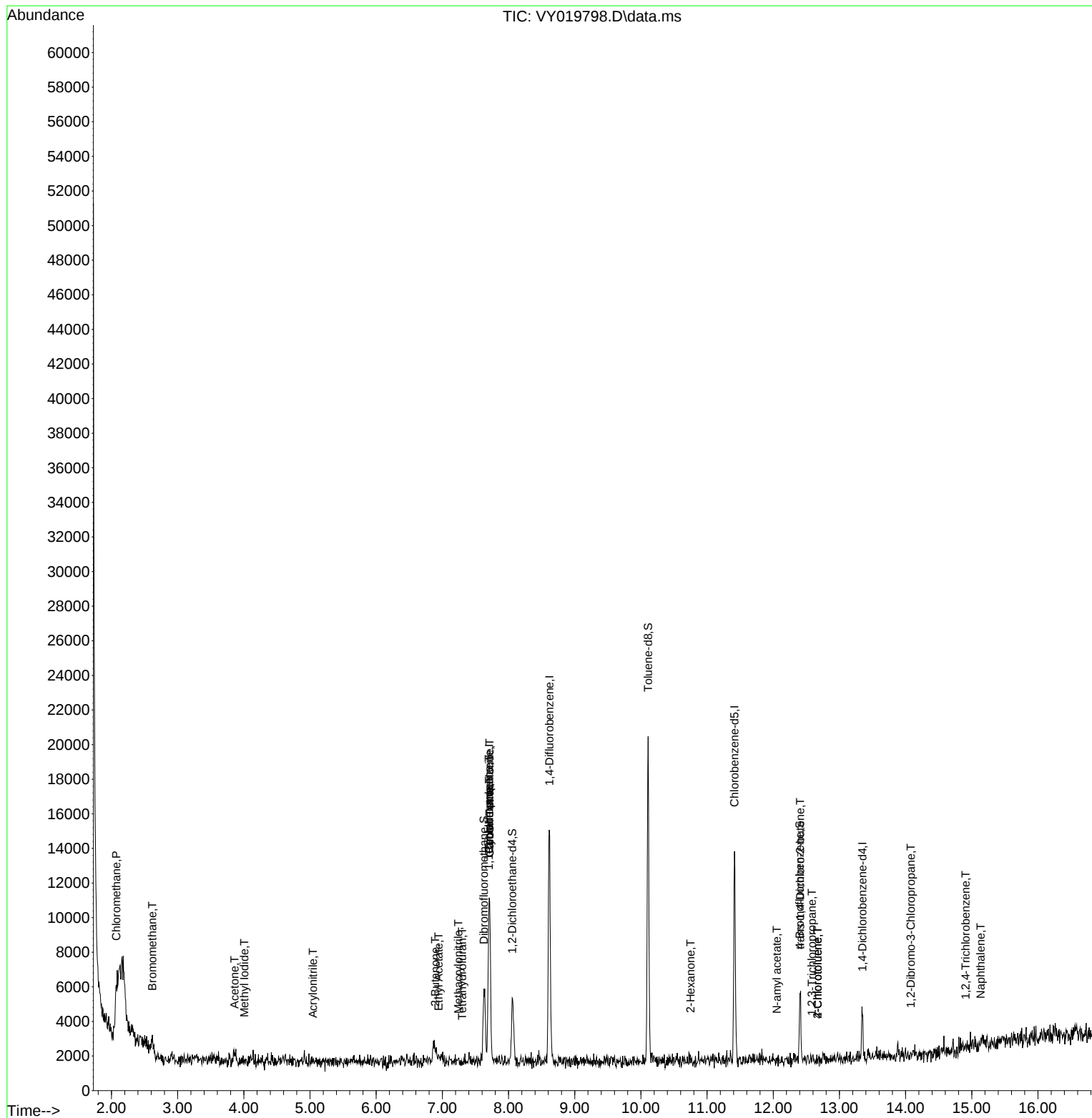
Internal Standards						
1) Pentafluorobenzene	7.707	168	7487	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	12021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	3290	47.456	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.920%
35) Dibromofluoromethane	7.628	113	3110	45.630	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.260%
50) Toluene-d8	10.109	98	12110	48.037	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.402	95	1524	15.722	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	31.440%
Target Compounds						
						Qvalue
3) Chloromethane	2.074	50	219	3.535	ug/l	# 43
5) Bromomethane	2.617	94	266	6.465	ug/l	# 53
10) Methyl Iodide	4.007	142	131	1.479	ug/l	# 42
13) Acrolein	3.738	56	19	Below Cal	#	15
15) Acrylonitrile	5.043	53	25	1.547	ug/l	# 1
16) Acetone	3.860	43	793	48.013	ug/l	# 90
25) 2-Butanone	6.890	43	140	5.960	ug/l	# 41
29) Tetrahydrofuran	7.299	42	20	1.400	ug/l	# 26
31) Cyclohexane	7.707	56	218	1.757	ug/l	# 35
36) 1,1-Dichloropropene	7.701	75	738	7.958	ug/l	# 40
37) Ethyl Acetate	6.945	43	58	1.221	ug/l	# 67
38) Carbon Tetrachloride	7.713	117	864	8.261	ug/l	# 13
41) Methacrylonitrile	7.244	41	45	1.625	ug/l	# 15
59) 2-Hexanone	10.749	43	81	2.200	ug/l	# 19
74) N-amyl acetate	12.054	43	86	5.996	ug/l	# 37
76) 1,2,3-Trichloropropane	12.584	75	25	3.669	ug/l	# 100
79) 2-Chlorotoluene	12.670	91	61	1.674	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	12.408	75	782	220.310	ug/l	# 16
82) 4-Chlorotoluene	12.670	91	61	1.629	ug/l	# 39
92) 1,2-Dibromo-3-Chloropr...	14.078	75	35	22.433	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.907	180	42	3.405	ug/l	# 12
95) Naphthalene	15.133	128	321	12.994	ug/l	# 69

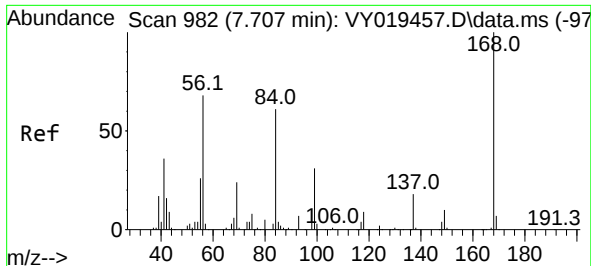
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
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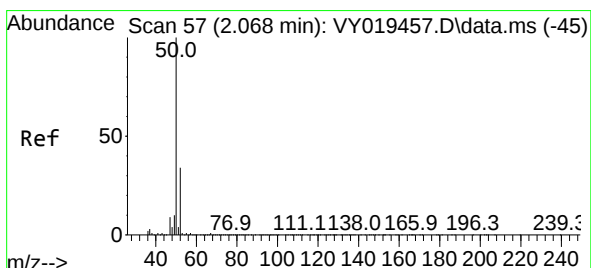
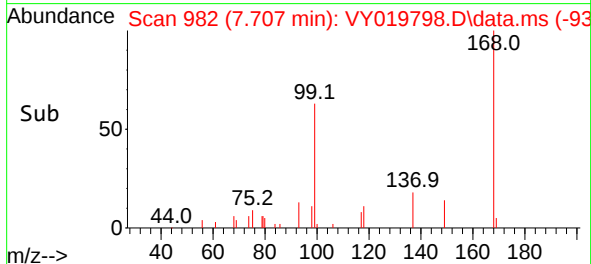
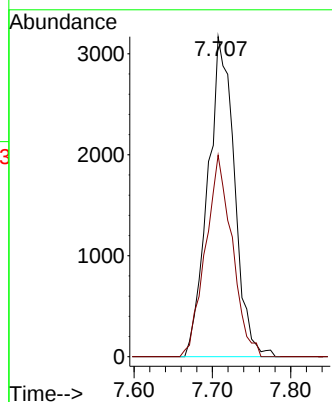
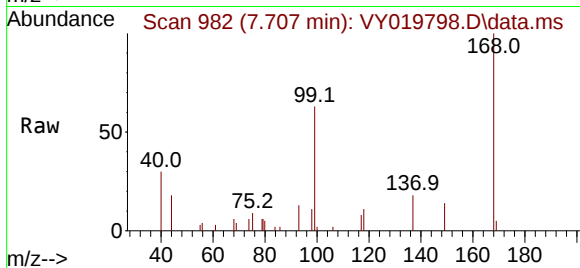




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

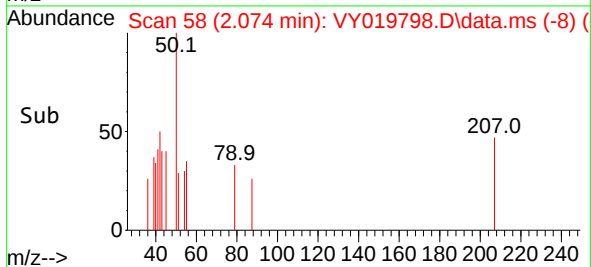
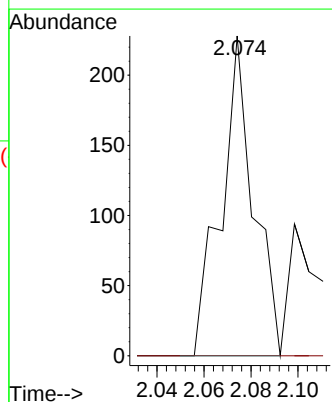
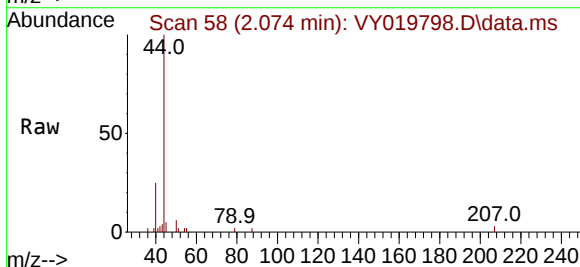
Instrument :
MSVOA_Y
ClientSampleId :

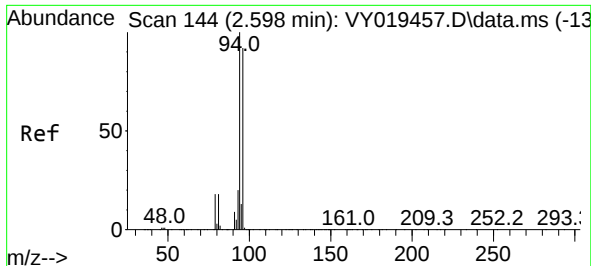
Tgt Ion:168 Resp: 7487
Ion Ratio Lower Upper
168 100
99 62.9 39.1 58.7#



#3
Chloromethane
Concen: 3.535 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 50 Resp: 219
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

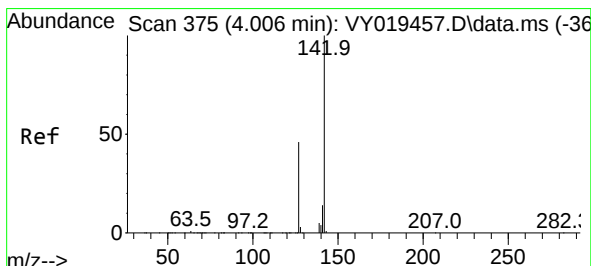
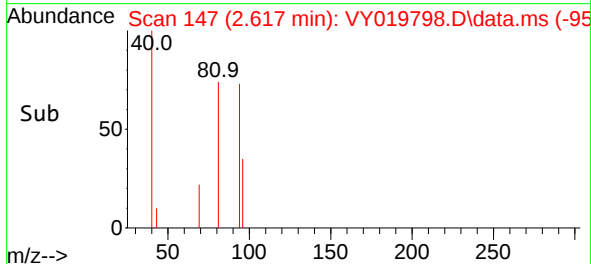
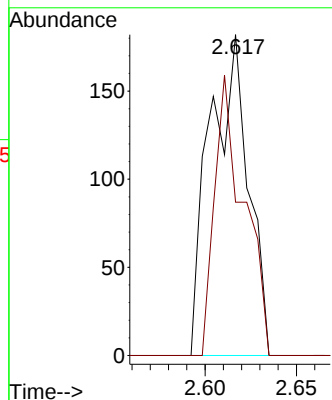
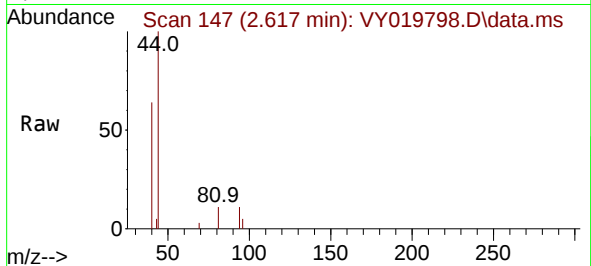




#5
Bromomethane
Concen: 6.465 ug/l
RT: 2.617 min Scan# 144
Delta R.T. 0.019 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

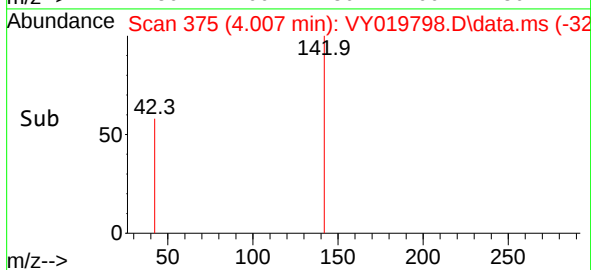
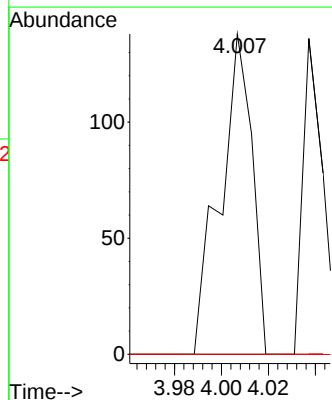
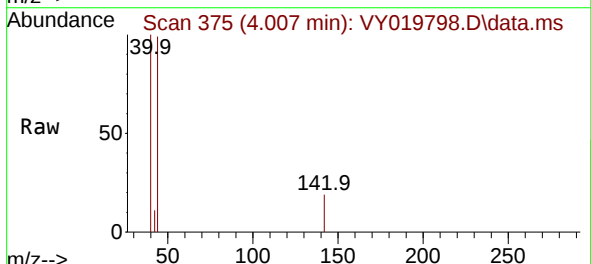
Instrument :
MSVOA_Y
ClientSampleId :

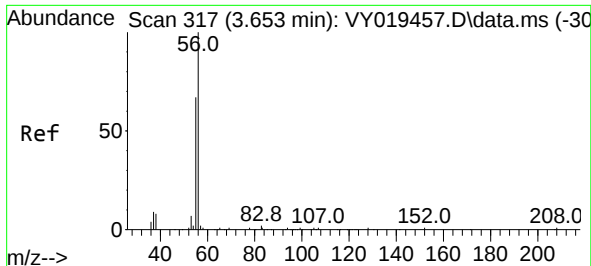
Tgt Ion: 94 Resp: 266
Ion Ratio Lower Upper
94 100
96 47.8 74.1 111.1#



#10
Methyl Iodide
Concen: 1.479 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

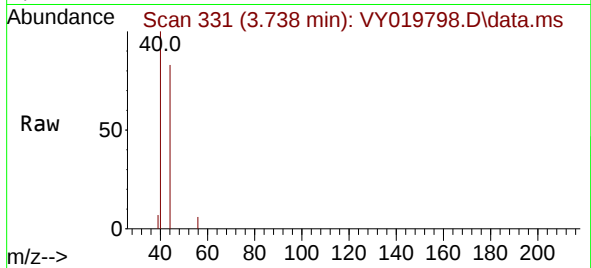
Tgt Ion: 142 Resp: 131
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



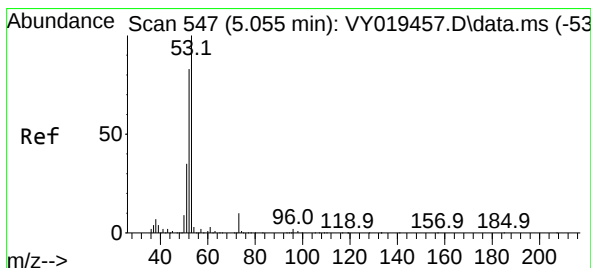
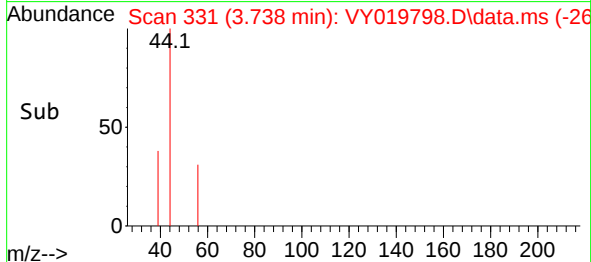
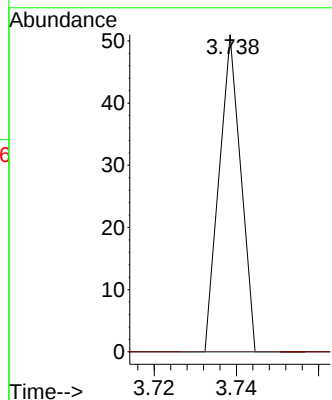


#13
Acrolein
Concen: Below Cal
RT: 3.738 min Scan# 317
Delta R.T. 0.085 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

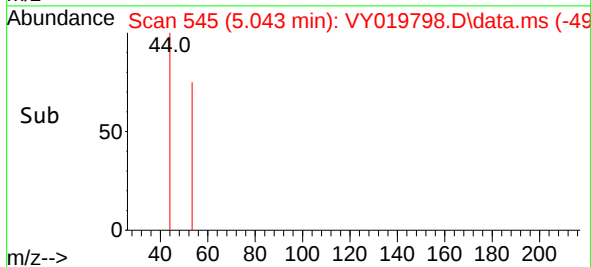
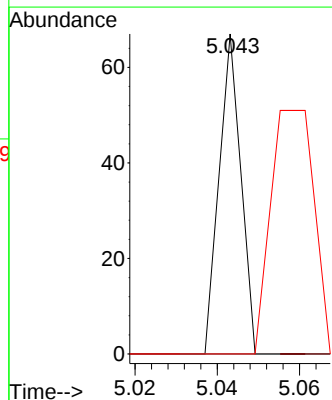
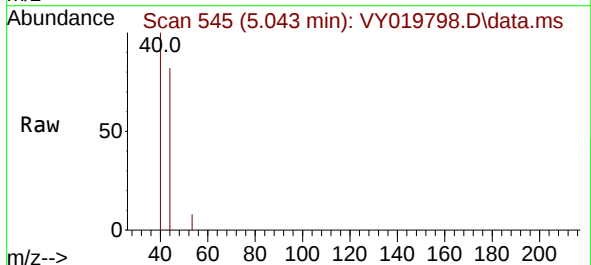


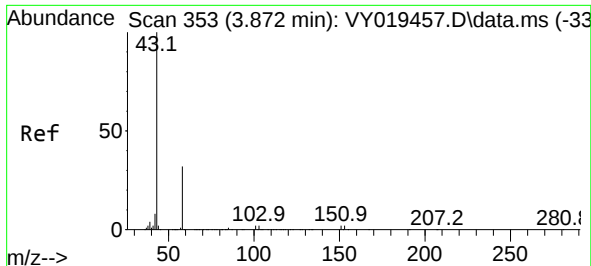
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 1.547 ug/l
RT: 5.043 min Scan# 545
Delta R.T. -0.012 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 53 Resp: 25
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 148.0 28.4 42.6#

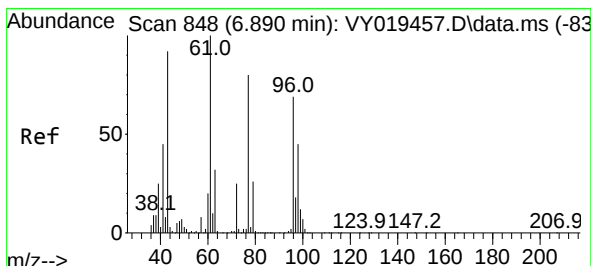
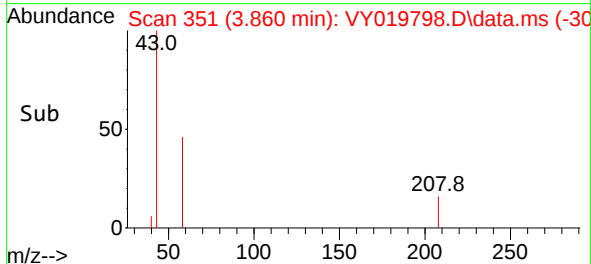
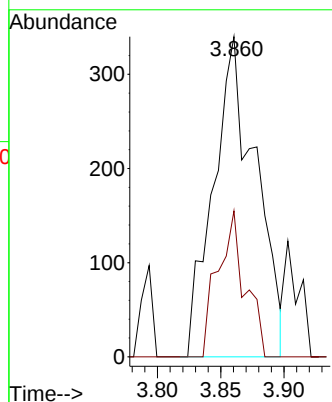
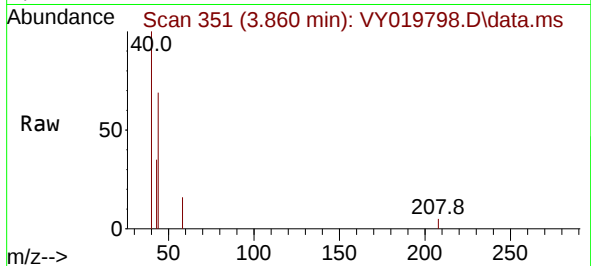




#16
Acetone
Concen: 48.013 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

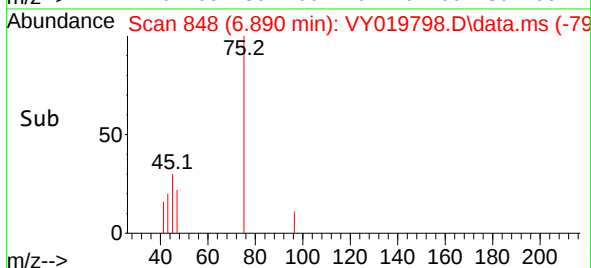
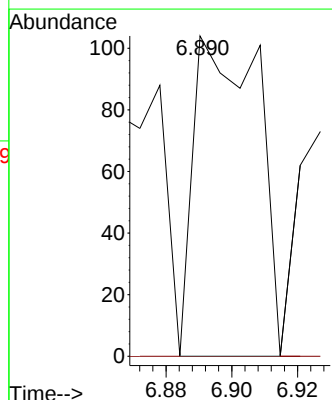
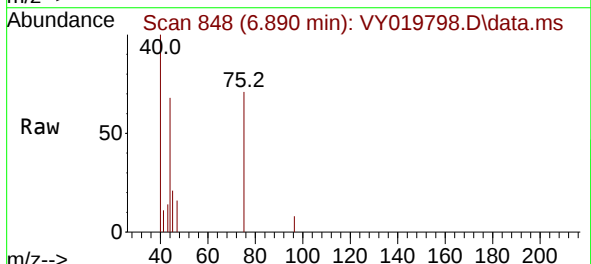
Instrument :
MSVOA_Y
ClientSampleId :

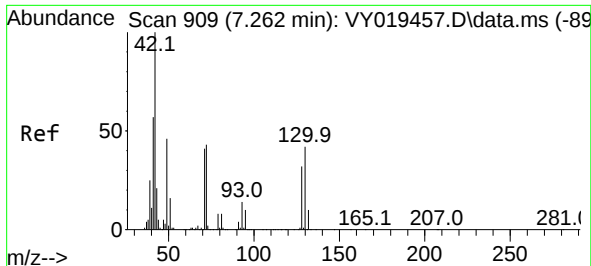
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
58 45.6 31.7 47.5



#25
2-Butanone
Concen: 5.960 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 1.400 ug/l

RT: 7.299 min Scan# 915

Delta R.T. 0.037 min

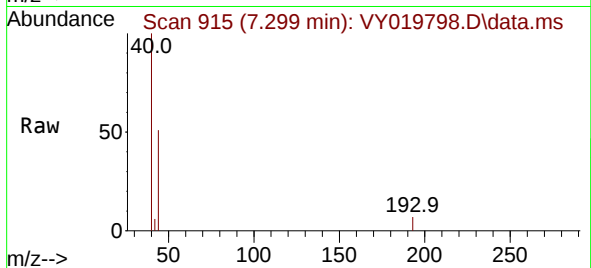
Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

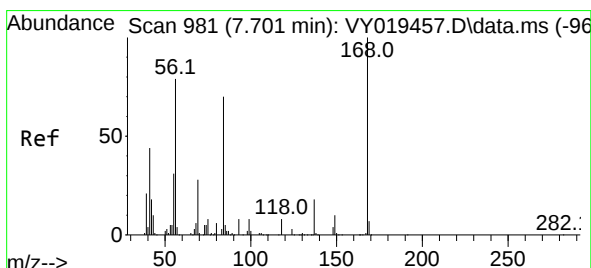
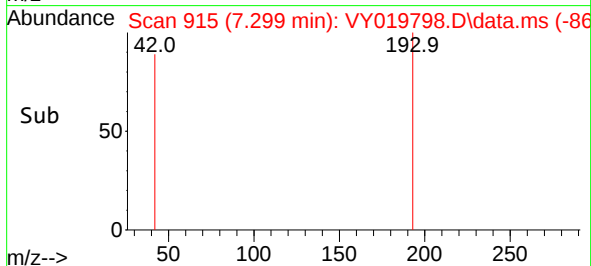
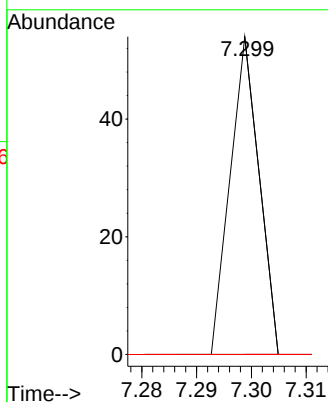
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	20
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: 1.757 ug/l

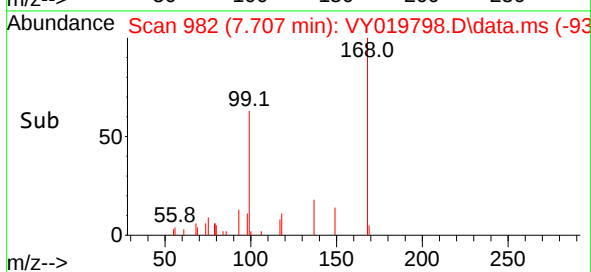
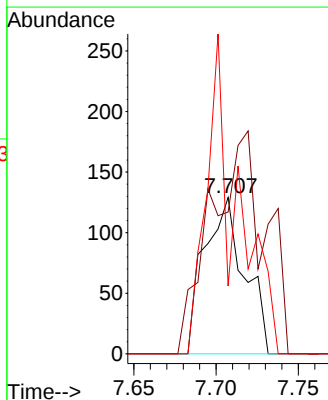
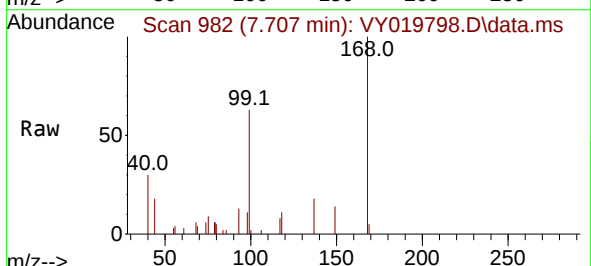
RT: 7.707 min Scan# 982

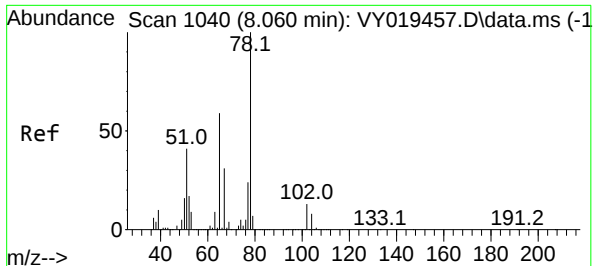
Delta R.T. 0.006 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

Tgt Ion:	56	Resp:	218
Ion	Ratio	Lower	Upper
56	100		
69	90.7	28.7	43.1#
84	43.4	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 47.456 ug/l

RT: 8.055 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

Instrument :

MSVOA_Y

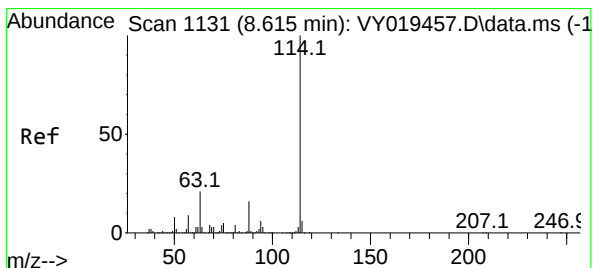
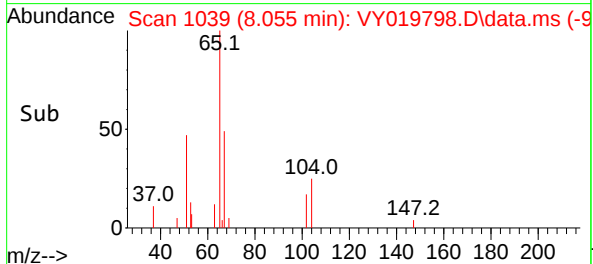
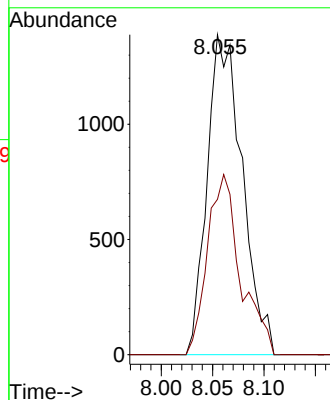
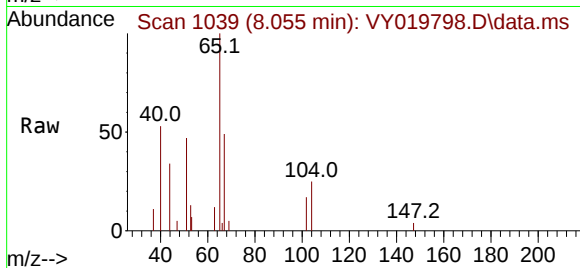
ClientSampleId :

Tgt Ion: 65 Resp: 3290

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

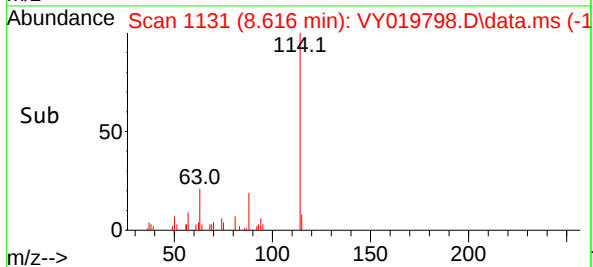
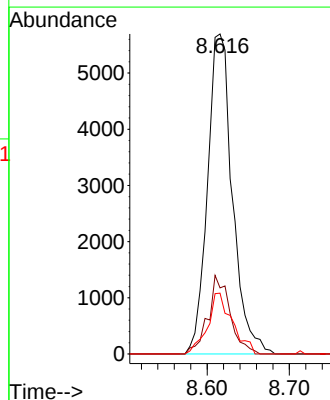
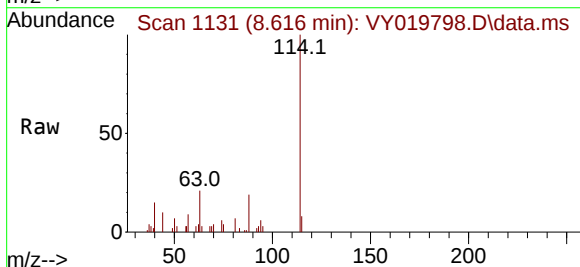
Tgt Ion: 114 Resp: 12021

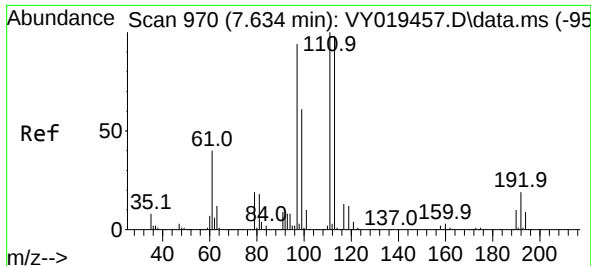
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

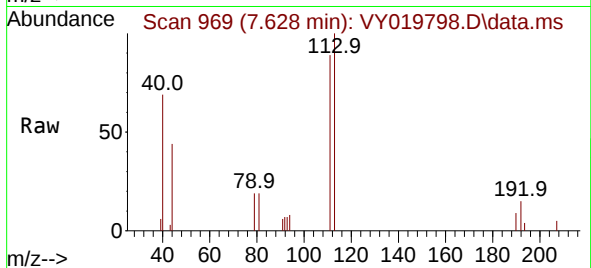
88 19.0 0.0 27.2



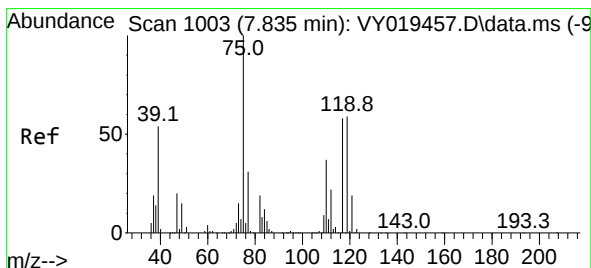
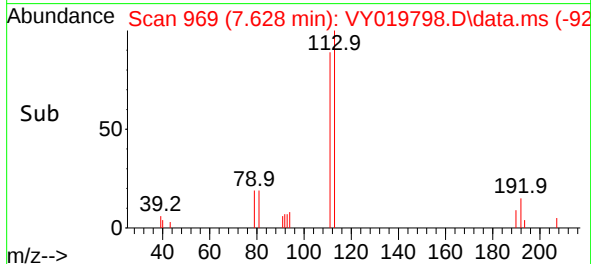
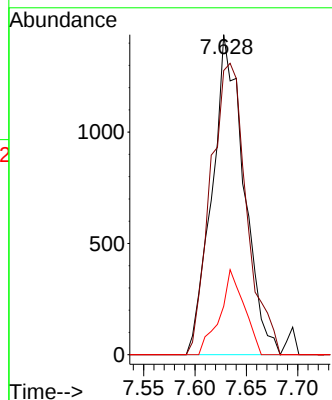


#35
Dibromofluoromethane
Concen: 45.630 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

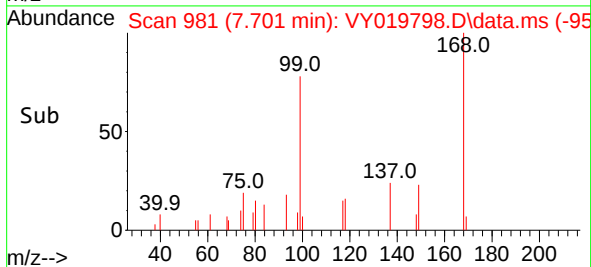
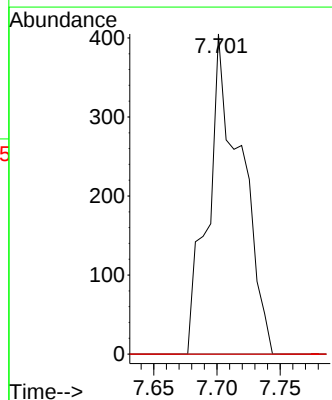
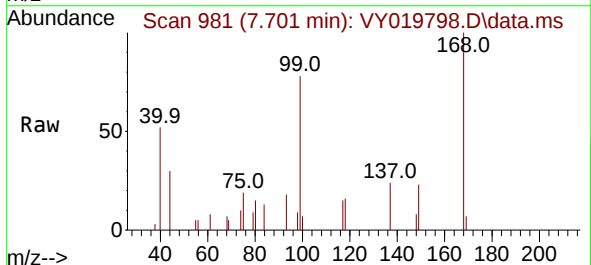


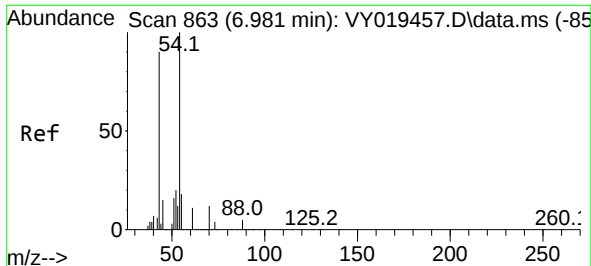
Tgt Ion:113 Resp: 3110
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 20.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.958 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 75 Resp: 738
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.221 ug/l

RT: 6.945 min Scan# 81

Delta R.T. -0.036 min

Lab File: VY019798.D

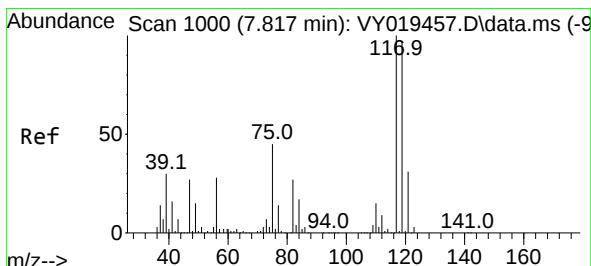
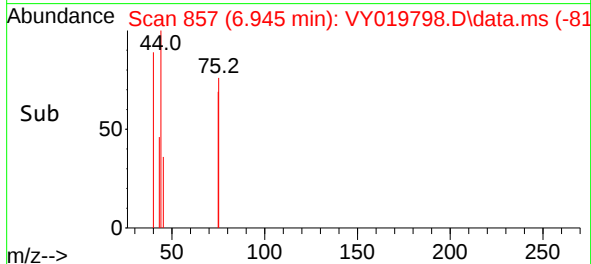
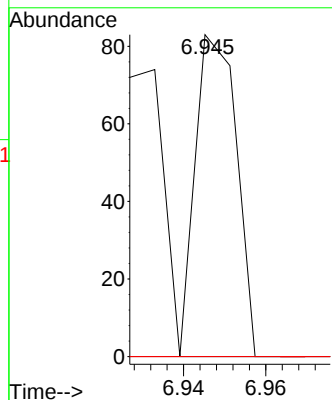
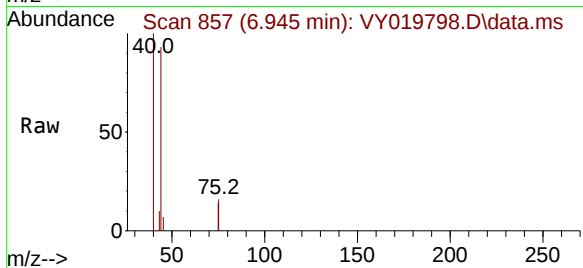
Acq: 04 Oct 2024 14:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43	Resp: 58
Ion Ratio	Lower Upper
43 100	
61 0.0	12.6 19.0#
70 0.0	7.8 11.8#



#38

Carbon Tetrachloride

Concen: 8.261 ug/l

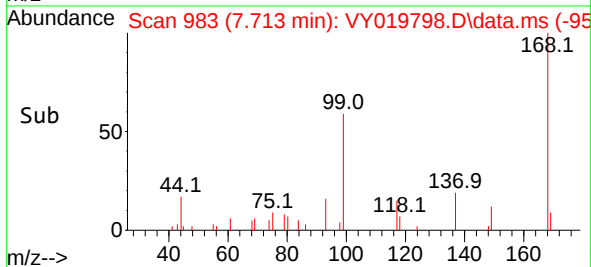
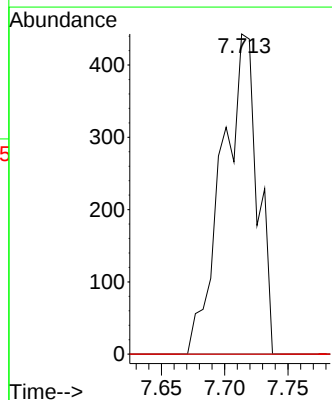
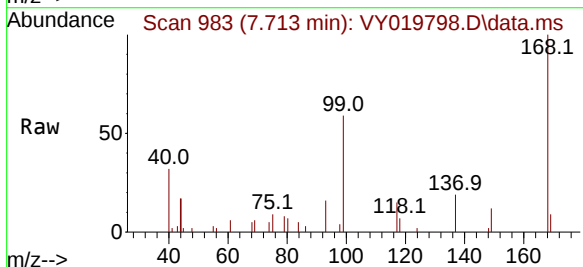
RT: 7.713 min Scan# 983

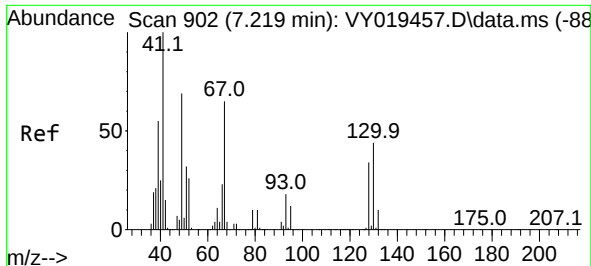
Delta R.T. -0.103 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

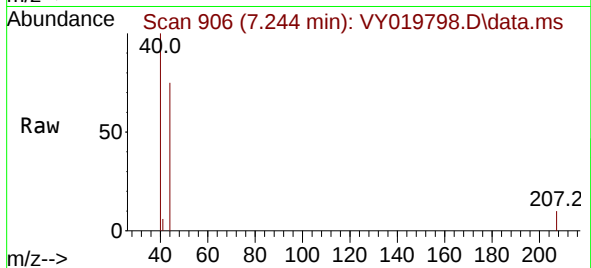
Tgt Ion: 117	Resp: 864
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	24.0 36.0#



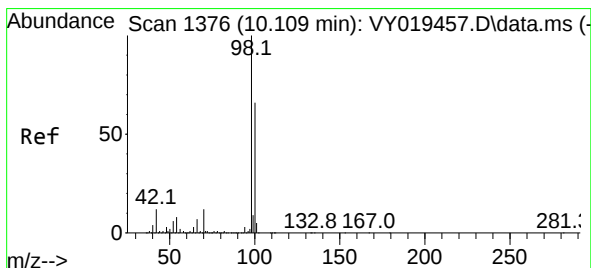
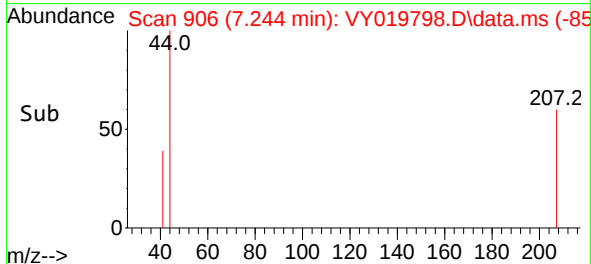
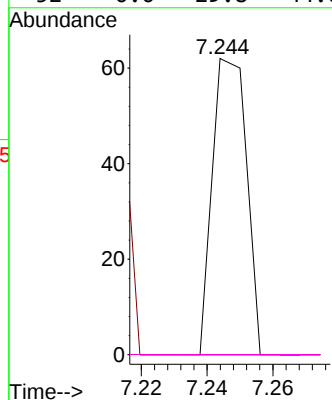


#41
Methacrylonitrile
Concen: 1.625 ug/l
RT: 7.244 min Scan# 902
Delta R.T. 0.025 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

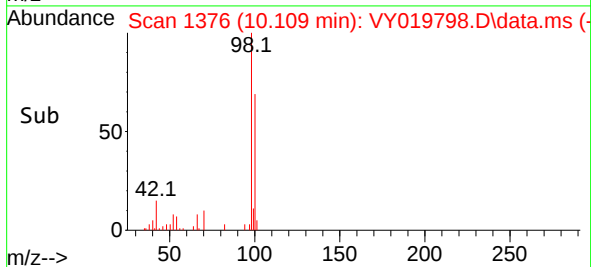
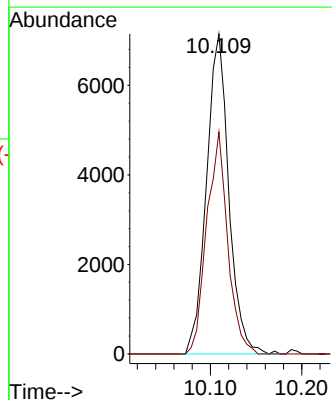
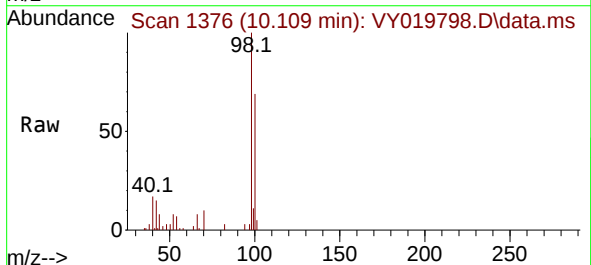


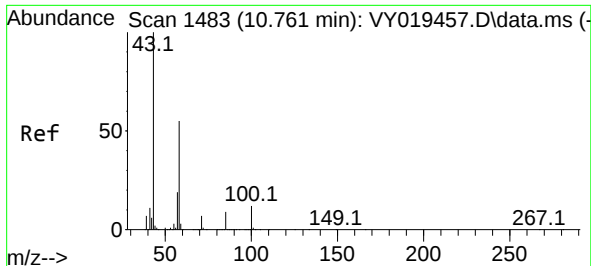
Tgt Ion: 41	Resp: 45
Ion Ratio	Lower Upper
41 100	
39 0.0	48.0 72.0#
67 0.0	75.1 112.7#
52 0.0	29.8 44.6#



#50
Toluene-d8
Concen: 48.037 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 98	Resp: 12110
Ion Ratio	Lower Upper
98 100	
100 65.3	52.0 78.0

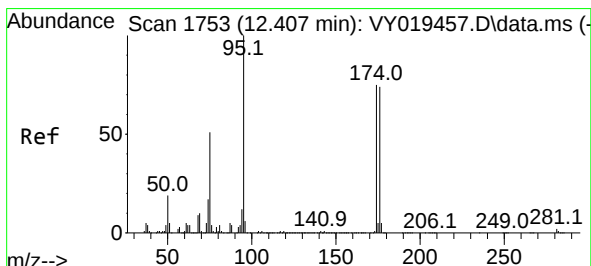
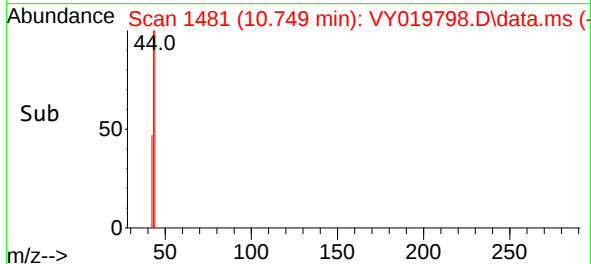
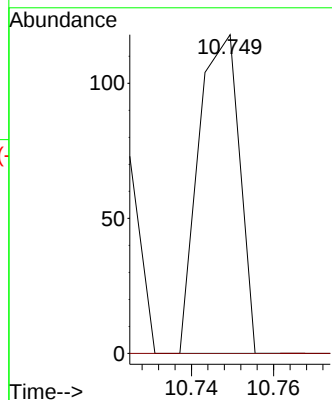
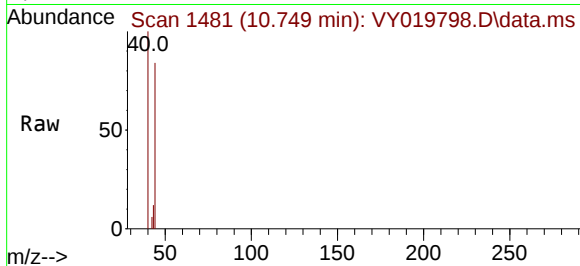




#59
2-Hexanone
Concen: 2.200 ug/l
RT: 10.749 min Scan# 1481
Delta R.T. -0.012 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

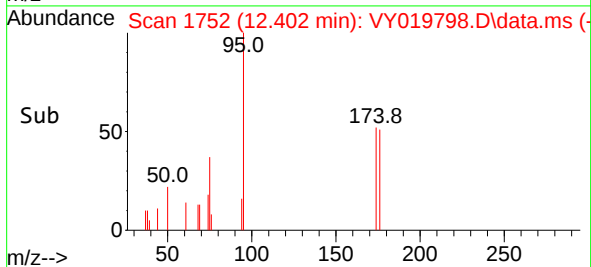
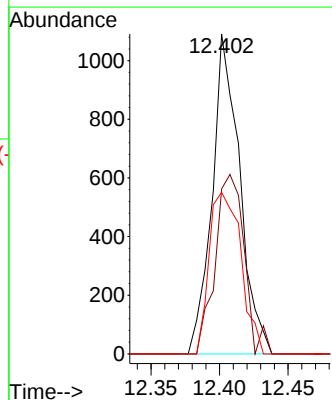
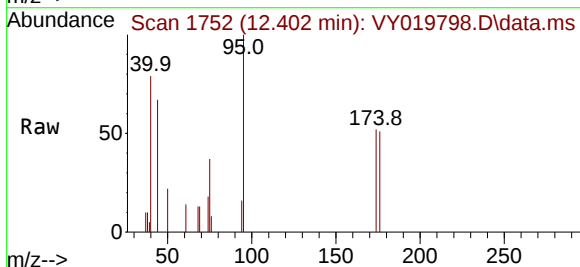
Instrument :
MSVOA_Y
ClientSampleId :

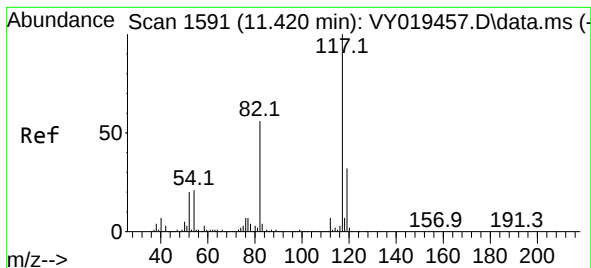
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 15.722 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 95 Resp: 1524
Ion Ratio Lower Upper
95 100
174 59.1 0.0 175.6
176 58.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019798.D

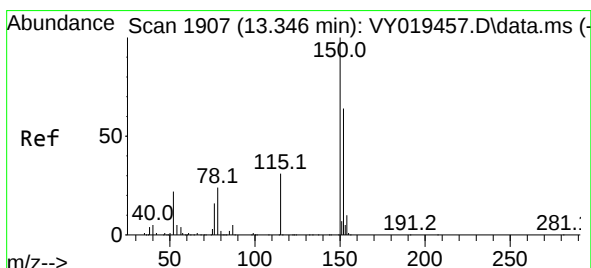
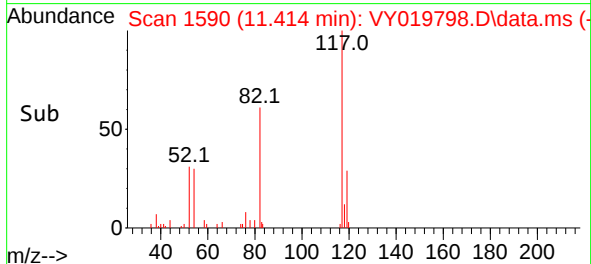
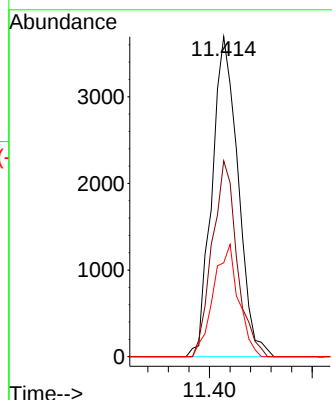
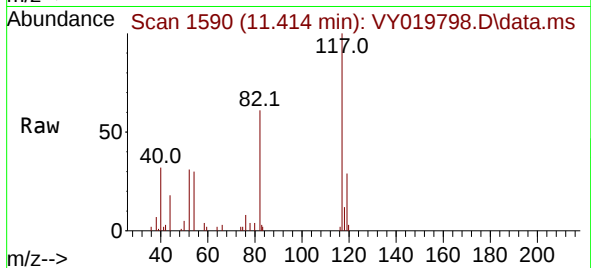
Acq: 04 Oct 2024 14:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	6515
Ion	Ratio	Lower Upper
117	100	
82	61.2	42.4 63.6
119	29.3	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

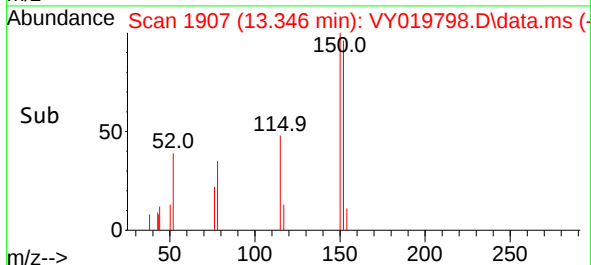
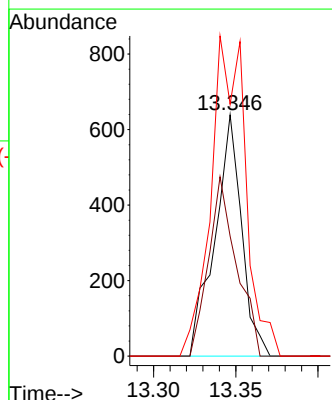
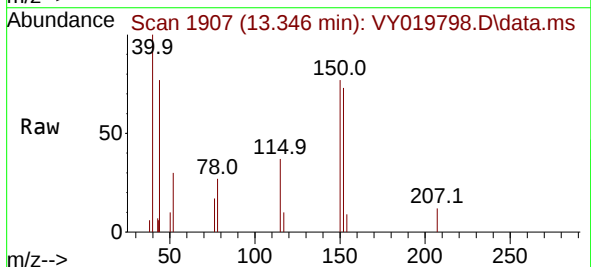
RT: 13.346 min Scan# 1907

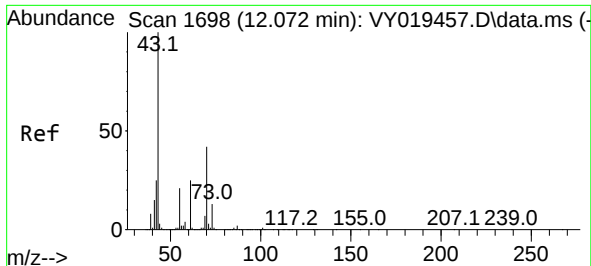
Delta R.T. 0.000 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

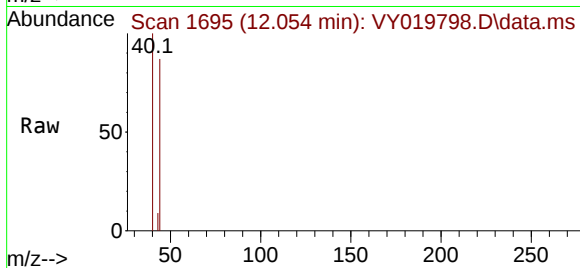
Tgt Ion:152	Resp:	727
Ion	Ratio	Lower Upper
152	100	
115	77.3	28.2 84.7
150	169.7	0.0 345.6



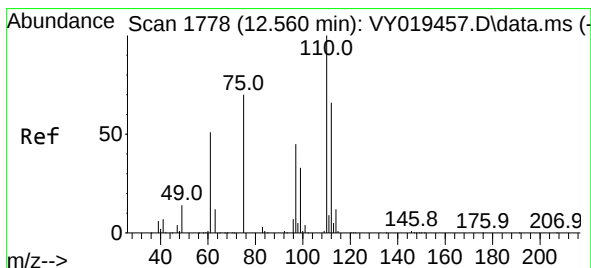
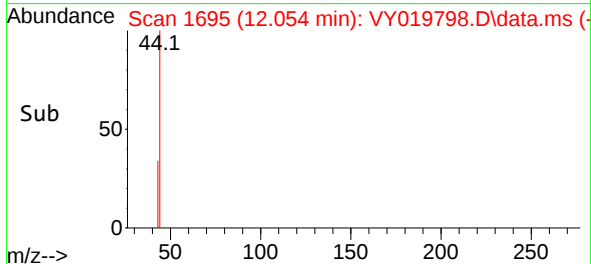
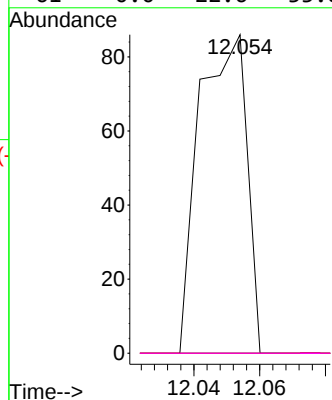


#74
N-amy1 acetate
Concen: 5.996 ug/l
RT: 12.054 min Scan# 1782
Delta R.T. -0.018 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Instrument :
MSVOA_Y
ClientSampleId :

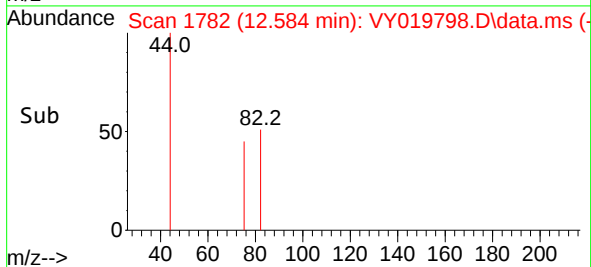
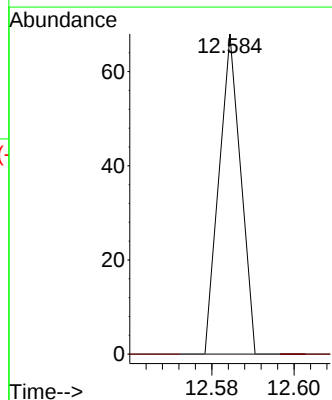
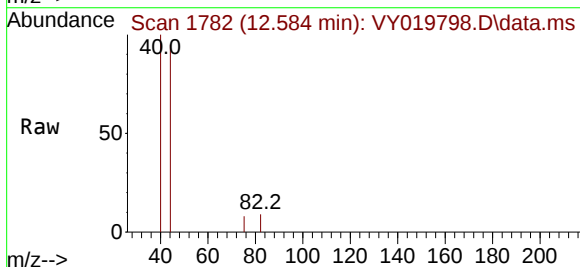


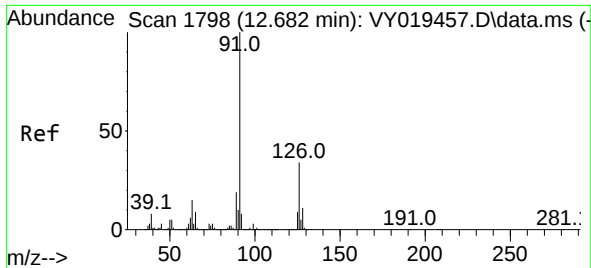
Tgt Ion: 43	Resp: 86
Ion Ratio	Lower Upper
43	100
70	0.0 41.4 62.2#
55	0.0 23.3 34.9#
61	0.0 22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 3.669 ug/l
RT: 12.584 min Scan# 1782
Delta R.T. 0.025 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 75	Resp: 25
Ion Ratio	Lower Upper
75	100
77	0.0 0.0 0.0

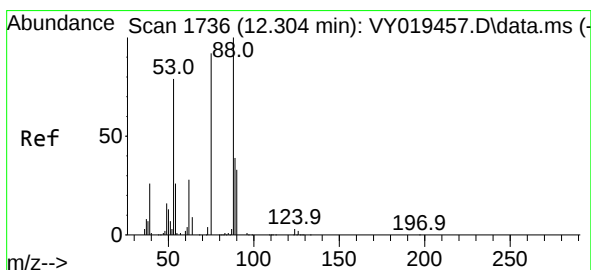
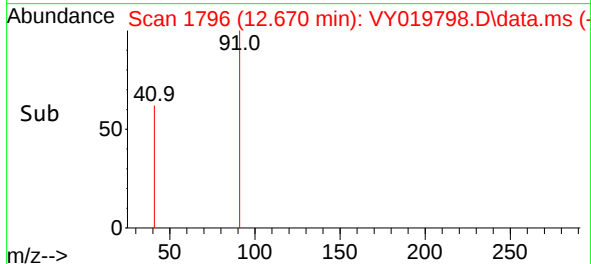
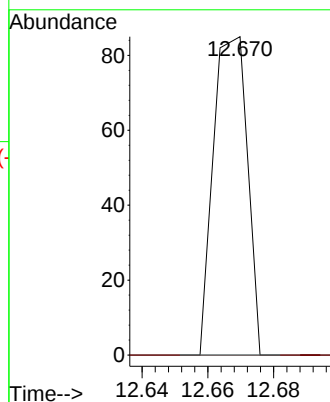
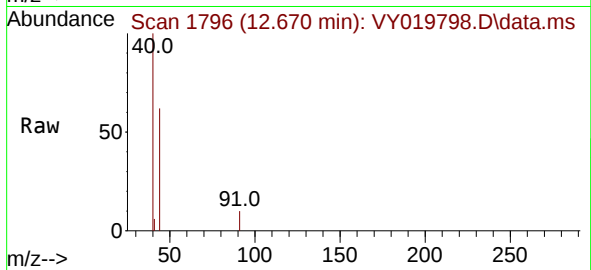




#79
2-Chlorotoluene
Concen: 1.674 ug/l
RT: 12.670 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

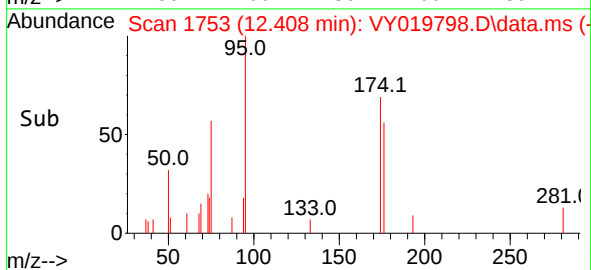
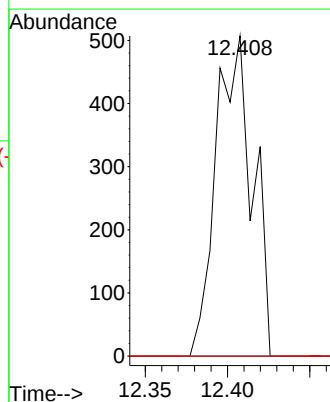
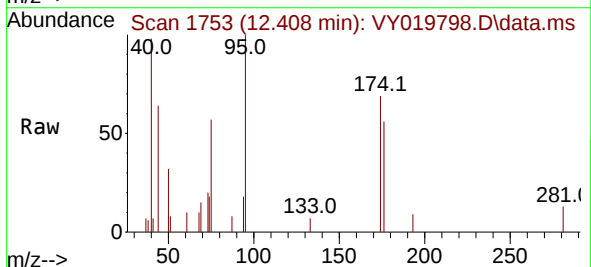
Instrument :
MSVOA_Y
ClientSampleId :

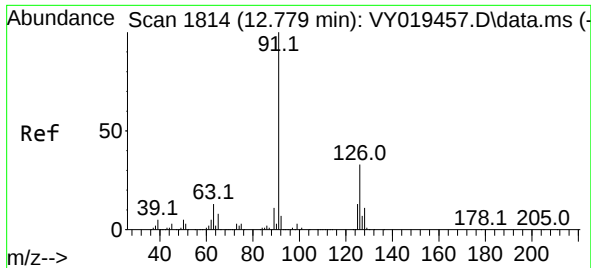
Tgt Ion: 91 Resp: 61
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 220.310 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 75 Resp: 782
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

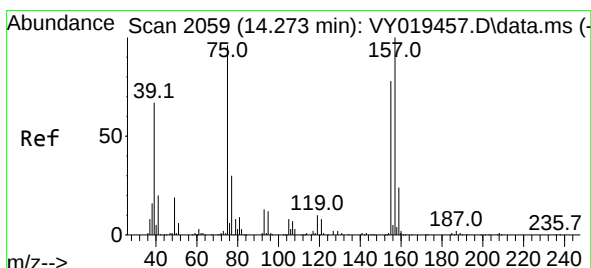
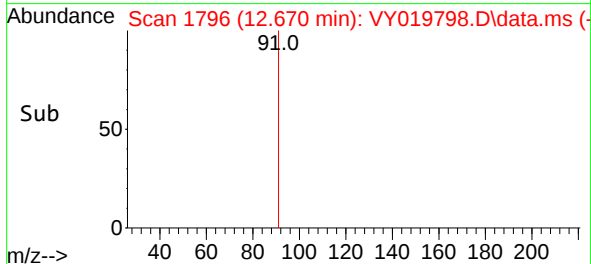
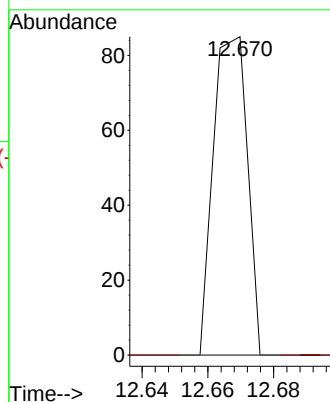
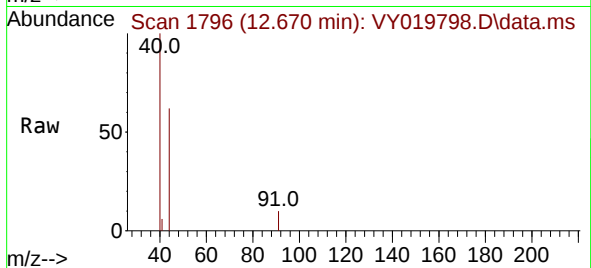




#82
4-Chlorotoluene
Concen: 1.629 ug/l
RT: 12.670 min Scan# 11
Delta R.T. -0.109 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

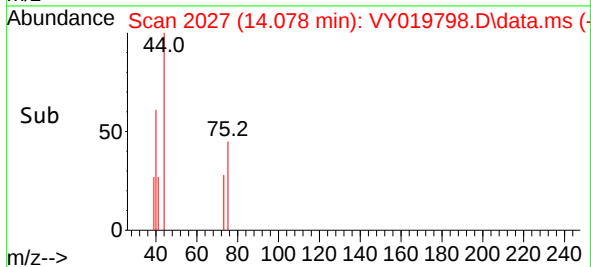
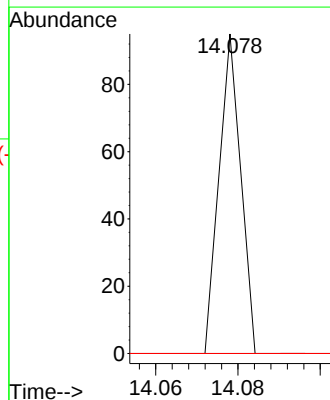
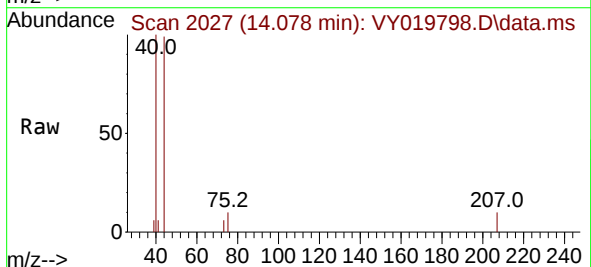
Instrument :
MSVOA_Y
ClientSampleId :

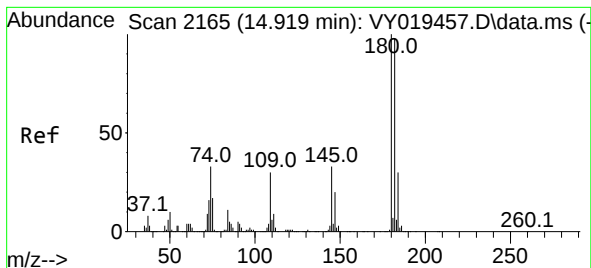
Tgt Ion: 91 Resp: 61
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.433 ug/l
RT: 14.078 min Scan# 2027
Delta R.T. -0.195 min
Lab File: VY019798.D
Acq: 04 Oct 2024 14:30

Tgt Ion: 75 Resp: 35
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.405 ug/l

RT: 14.907 min Scan# 2163

Delta R.T. -0.012 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

Instrument :

MSVOA_Y

ClientSampleId :

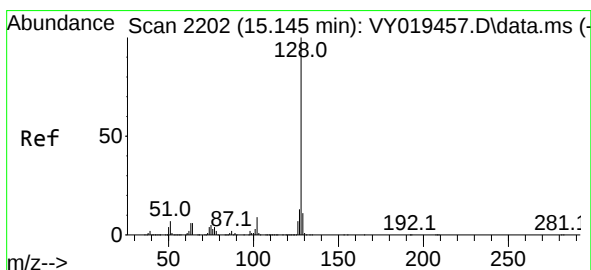
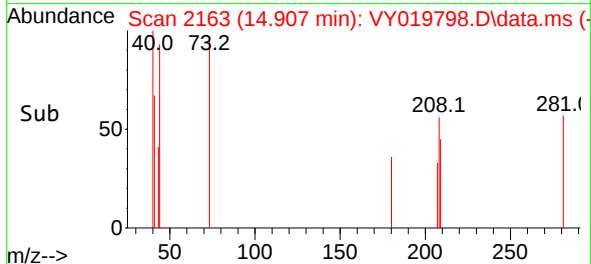
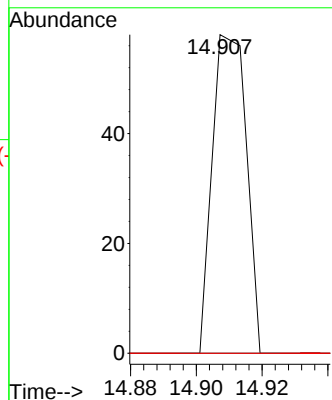
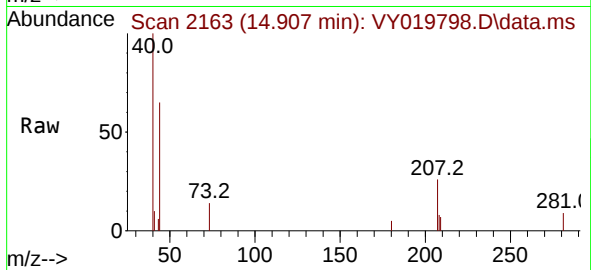
Tgt Ion:180 Resp: 42

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 14.2 42.6#



#95

Naphthalene

Concen: 12.994 ug/l

RT: 15.133 min Scan# 2200

Delta R.T. -0.012 min

Lab File: VY019798.D

Acq: 04 Oct 2024 14:30

Tgt Ion:128 Resp: 321

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

