

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
 Data File : VY020006.D
 Acq On : 24 Oct 2024 12:59
 Operator : SY/MD
 Sample : P4486-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-102224

Quant Time: Oct 24 14:36:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

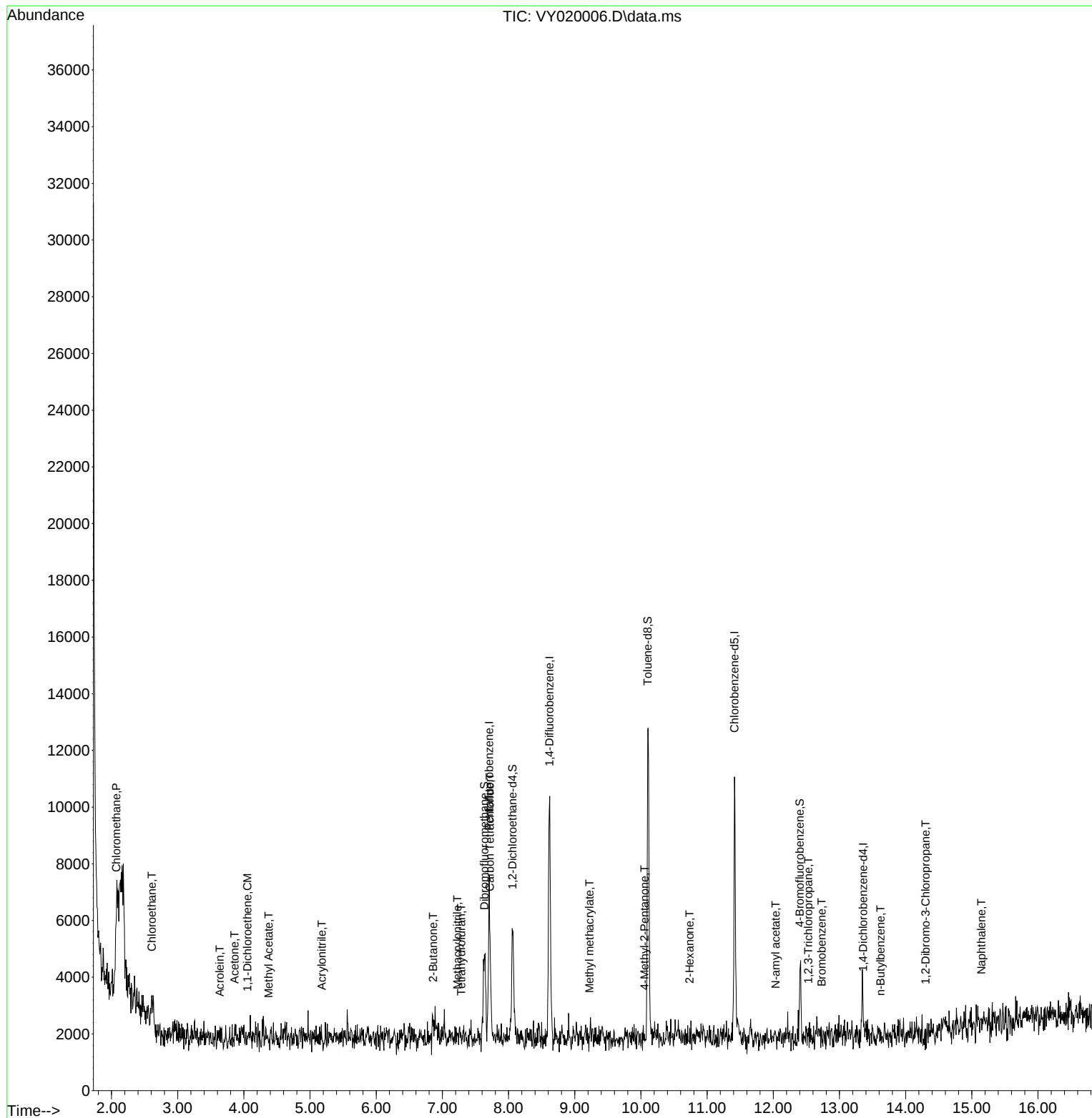
Internal Standards						
1) Pentafluorobenzene	7.707	168	4158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	7001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	3842	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	585	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2909	56.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.640%	
35) Dibromofluoromethane	7.634	113	2624	56.798	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.600%	
50) Toluene-d8	10.103	98	7772	45.555	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.120%	
62) 4-Bromofluorobenzene	12.401	95	1015	16.465	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 32.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	130	2.580	ug/l #	43
6) Chloroethane	2.610	64	68	1.826	ug/l #	42
11) Tert butyl alcohol	4.817	59	56	Below Cal	#	88
12) 1,1-Dichloroethene	4.055	96	91	2.040	ug/l #	1
13) Acrolein	3.635	56	26	6.911	ug/l	96
15) Acrylonitrile	5.177	53	32	2.791	ug/l #	18
16) Acetone	3.860	43	59	4.427	ug/l #	36
18) Methyl Acetate	4.372	43	40	1.393	ug/l #	46
25) 2-Butanone	6.860	43	23	1.289	ug/l #	41
29) Tetrahydrofuran	7.286	42	65	6.381	ug/l #	52
38) Carbon Tetrachloride	7.719	117	358	5.017	ug/l #	13
41) Methacrylonitrile	7.225	41	82	4.365	ug/l #	1
48) Methyl methacrylate	9.225	41	73	2.345	ug/l #	1
51) 4-Methyl-2-Pentanone	10.054	43	43	1.191	ug/l #	31
59) 2-Hexanone	10.737	43	110	4.266	ug/l	73
74) N-amyl acetate	12.035	43	23	1.765	ug/l #	37
76) 1,2,3-Trichloropropane	12.529	75	20	1.745	ug/l #	100
77) Bromobenzene	12.730	156	56	5.363	ug/l #	1
89) n-Butylbenzene	13.621	91	72	1.707	ug/l #	66
92) 1,2-Dibromo-3-Chloropr...	14.303	75	26	18.633	ug/l #	1
95) Naphthalene	15.145	128	189	9.645	ug/l #	69

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

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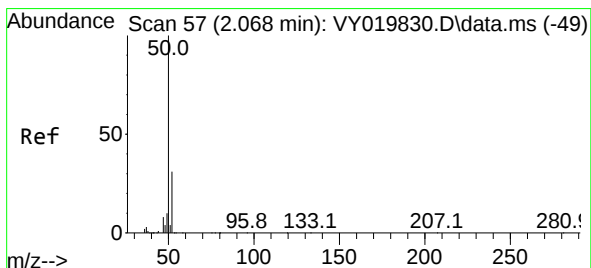
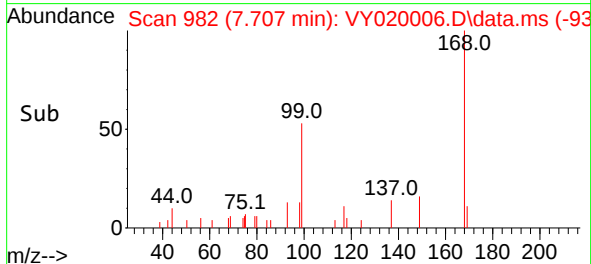
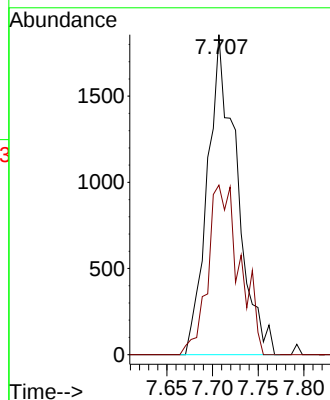
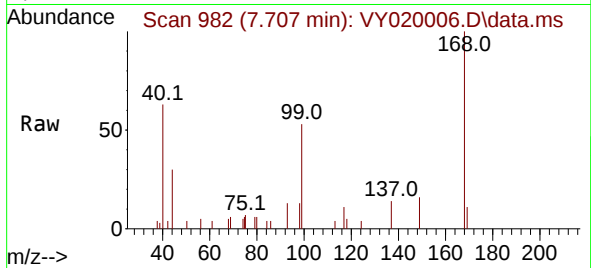




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

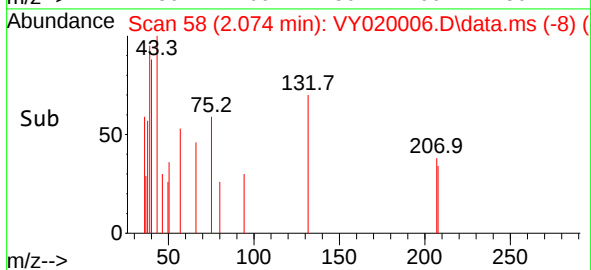
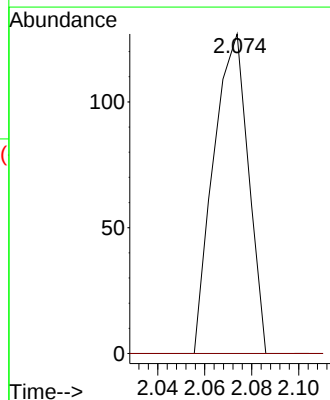
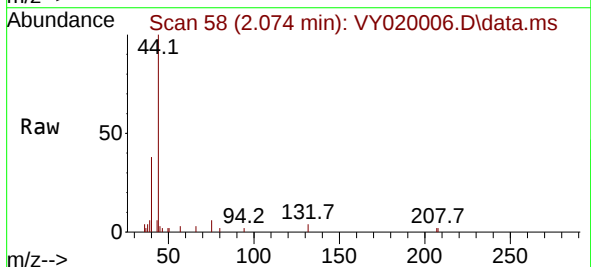
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

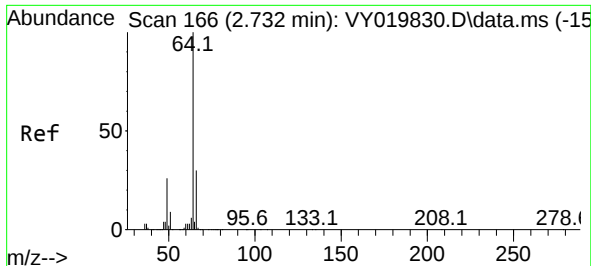
Tgt Ion:168 Resp: 4158
Ion Ratio Lower Upper
168 100
99 53.0 39.1 58.7



#3
Chloromethane
Concen: 2.580 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

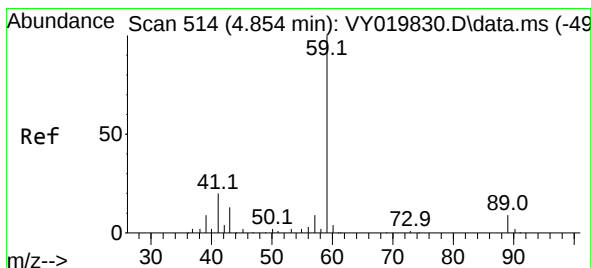
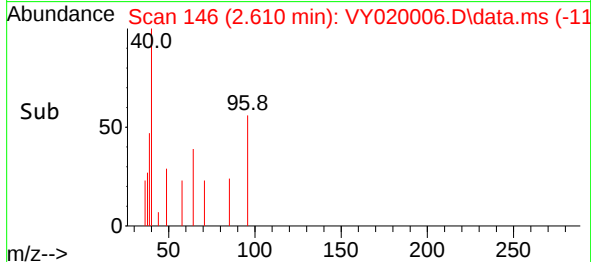
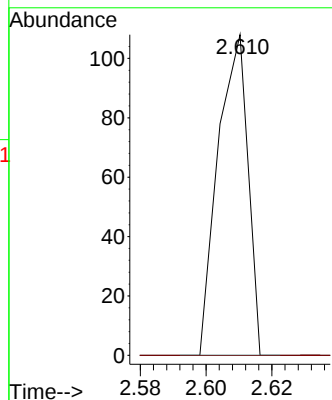
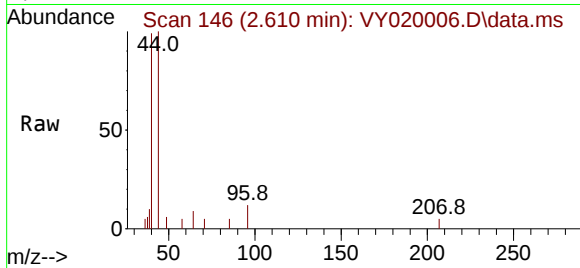




#6
Chloroethane
Concen: 1.826 ug/l
RT: 2.610 min Scan# 14
Delta R.T. -0.128 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

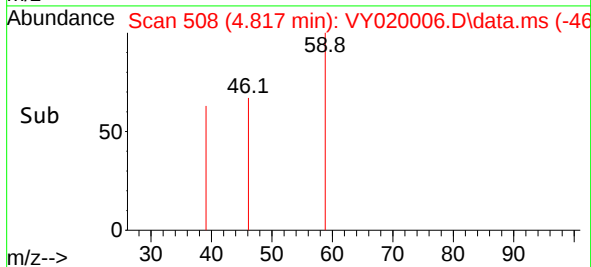
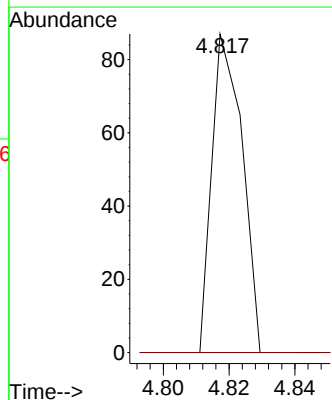
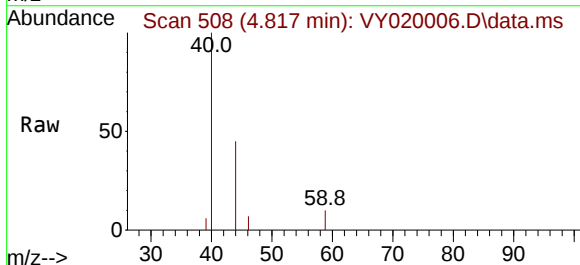
Instrument :
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ClientSampleId :
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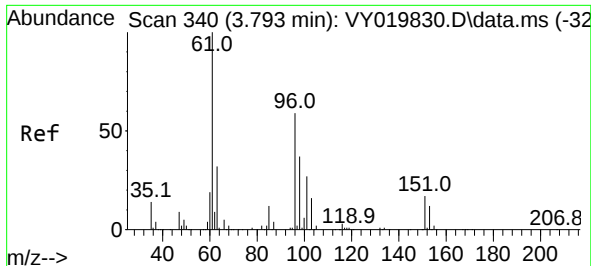
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.817 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

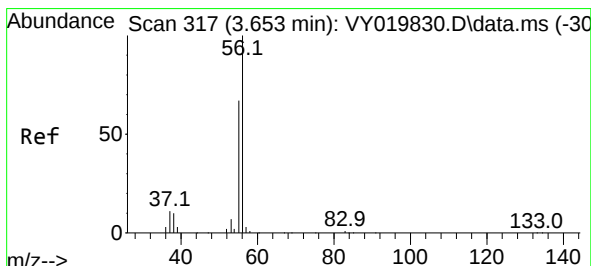
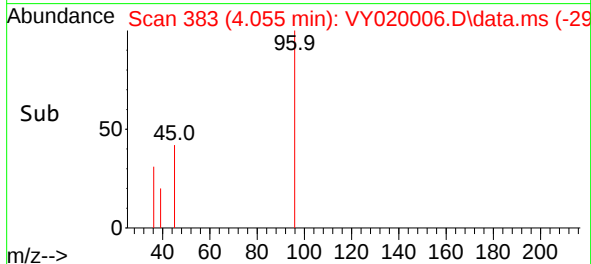
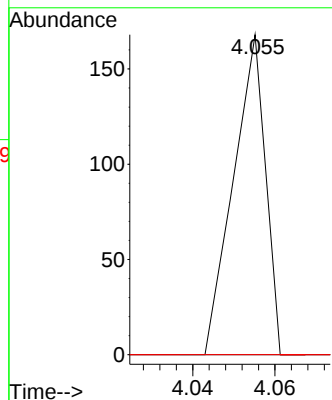
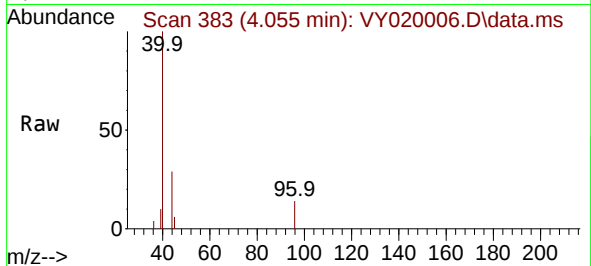




#12
1,1-Dichloroethene
Concen: 2.040 ug/l
RT: 4.055 min Scan# 314
Delta R.T. 0.268 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

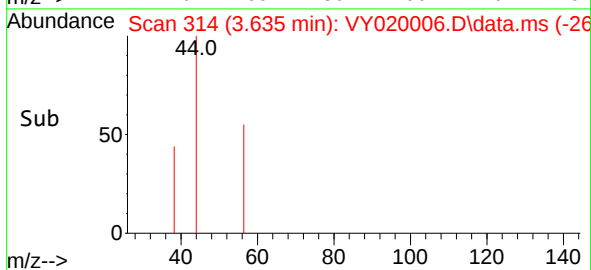
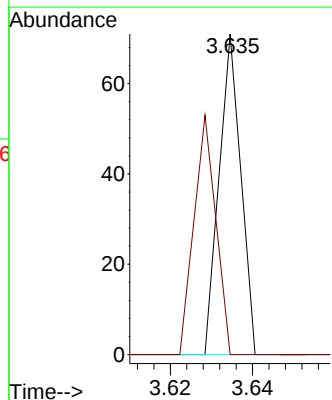
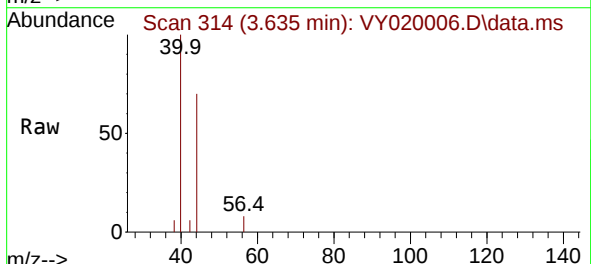
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

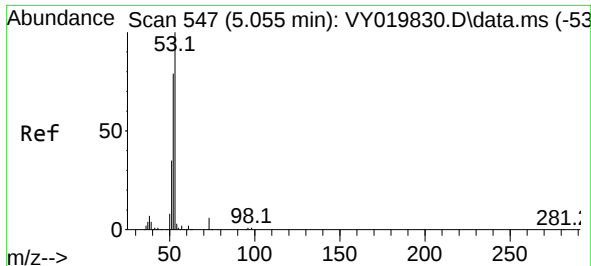
Tgt Ion: 96 Resp: 91
Ion Ratio Lower Upper
96 100
61 0.0 114.6 171.8#
98 0.0 50.8 76.2#



#13
Acrolein
Concen: 6.911 ug/l
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 73.1 55.7 83.5

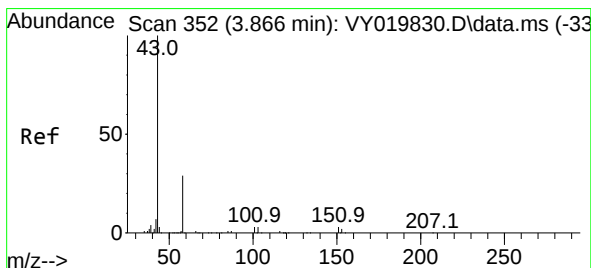
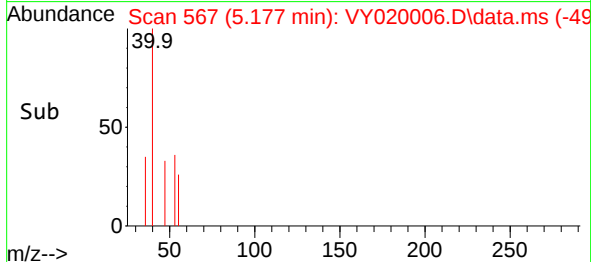
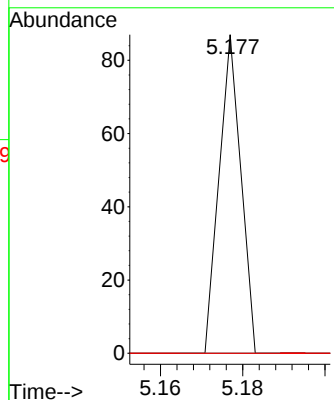
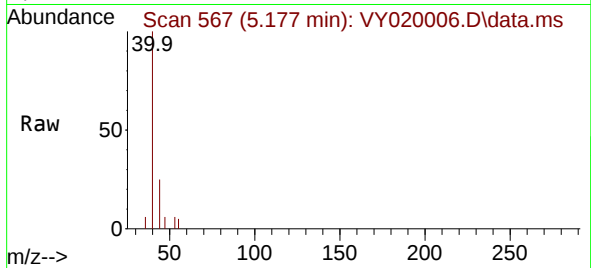




#15
Acrylonitrile
Concen: 2.791 ug/l
RT: 5.177 min Scan# 50
Delta R.T. 0.122 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

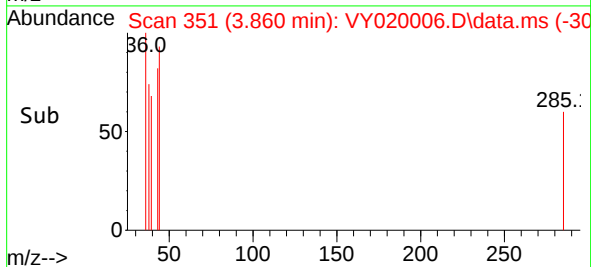
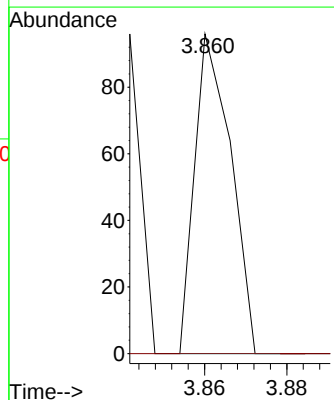
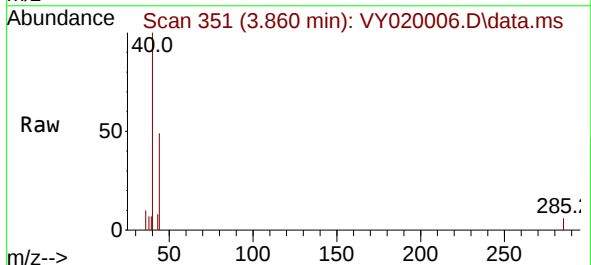
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

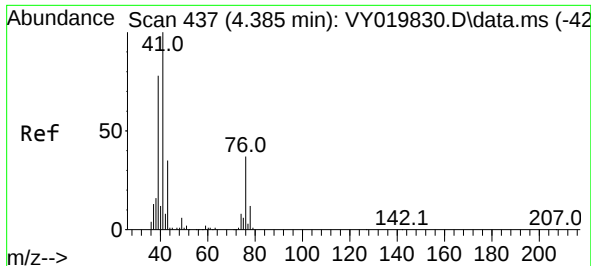
Tgt Ion: 53 Resp: 32
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 4.427 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

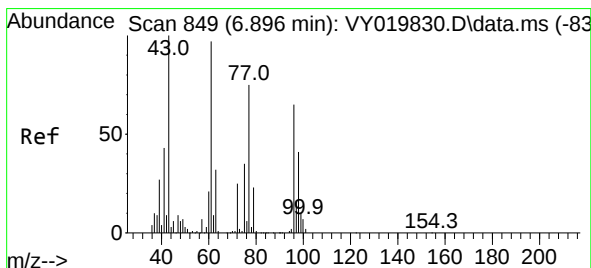
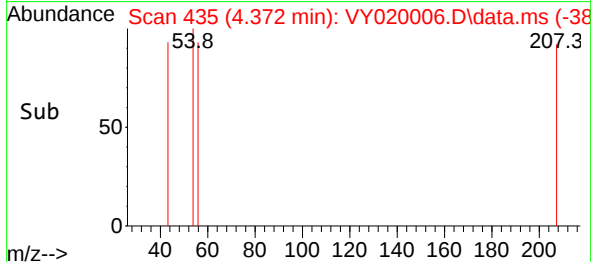
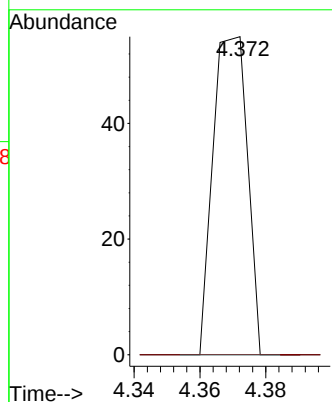
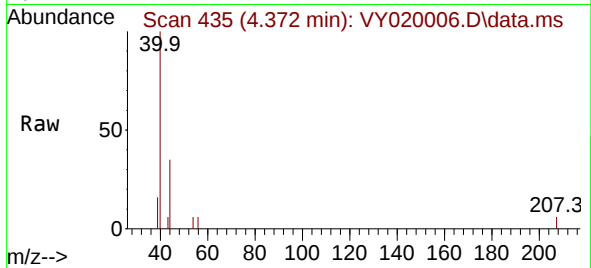




#18
Methyl Acetate
Concen: 1.393 ug/l
RT: 4.372 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

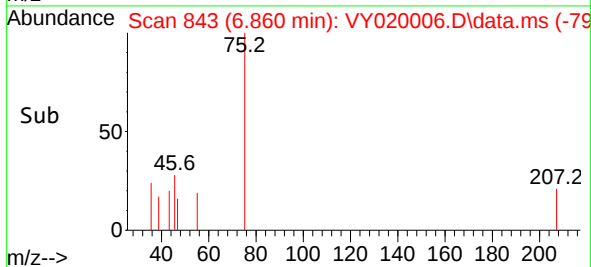
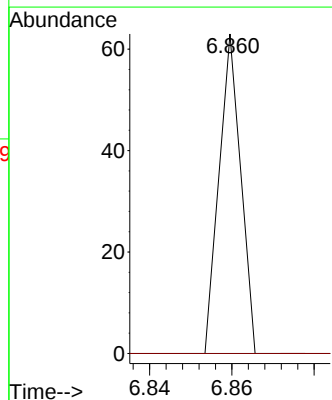
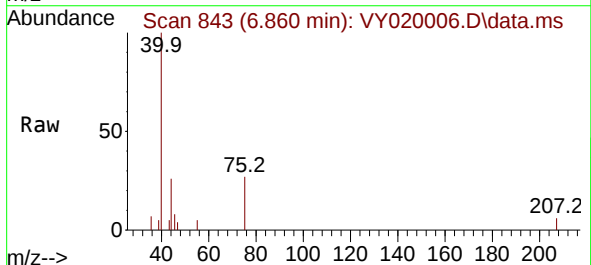
Instrument :
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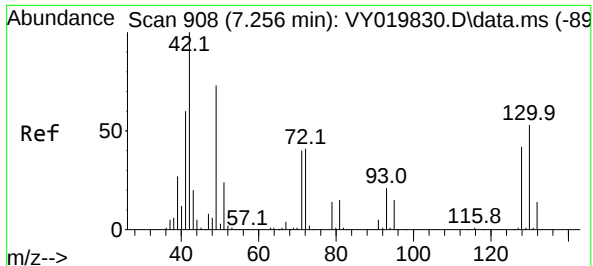
Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#25
2-Butanone
Concen: 1.289 ug/l
RT: 6.860 min Scan# 843
Delta R.T. -0.030 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 6.381 ug/l

RT: 7.286 min Scan# 91

Delta R.T. 0.024 min

Lab File: VY020006.D

Acq: 24 Oct 2024 12:59

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-102224

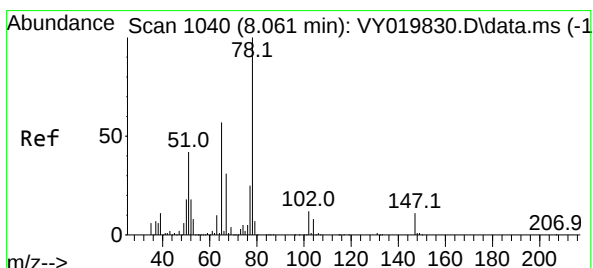
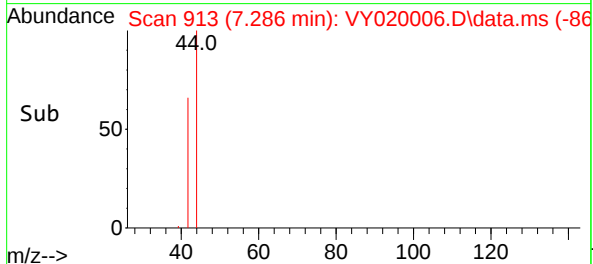
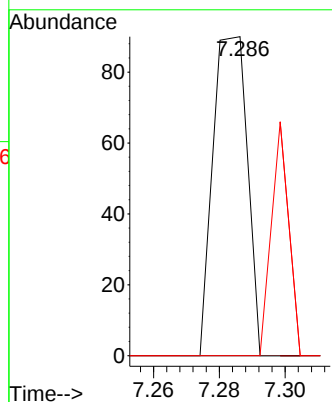
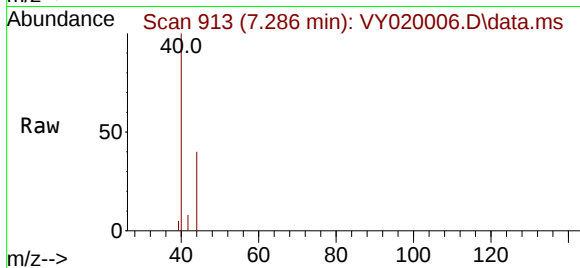
Tgt Ion: 42 Resp: 65

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 36.9 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 56.819 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY020006.D

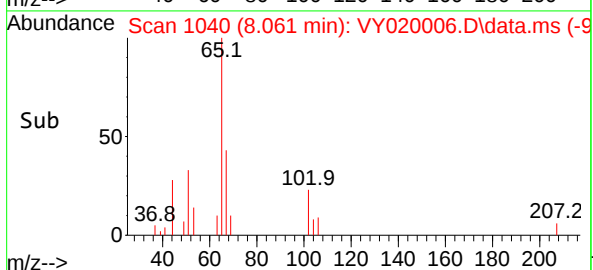
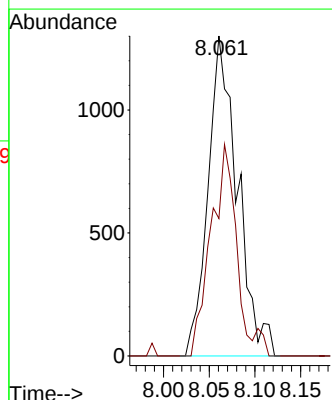
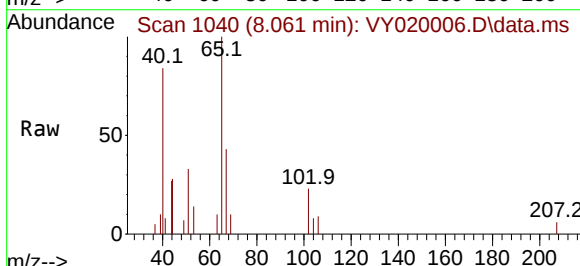
Acq: 24 Oct 2024 12:59

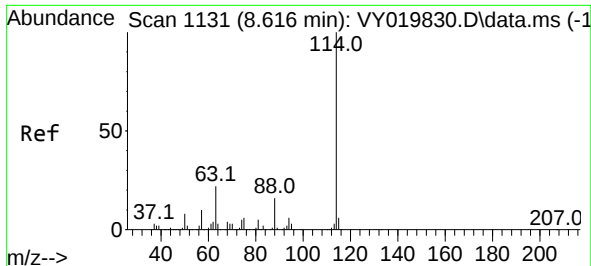
Tgt Ion: 65 Resp: 2909

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6

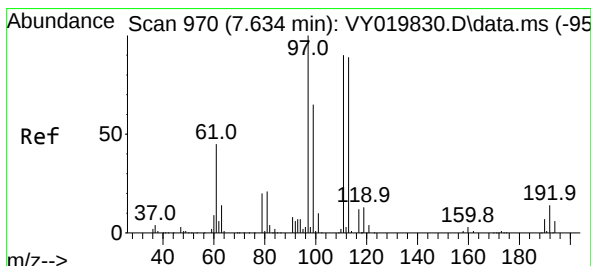
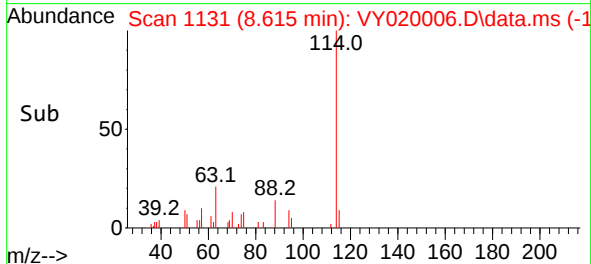
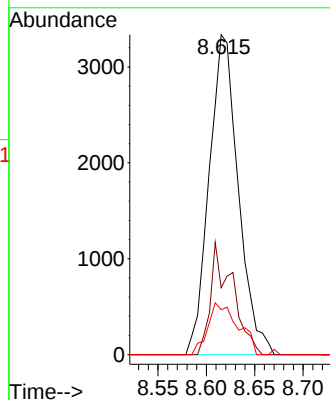
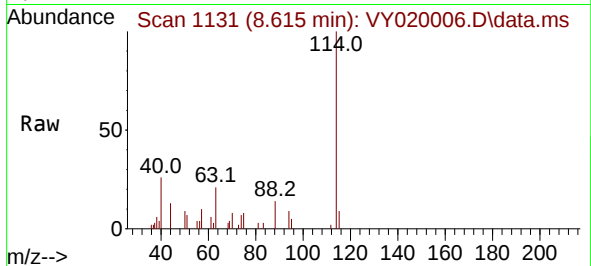




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

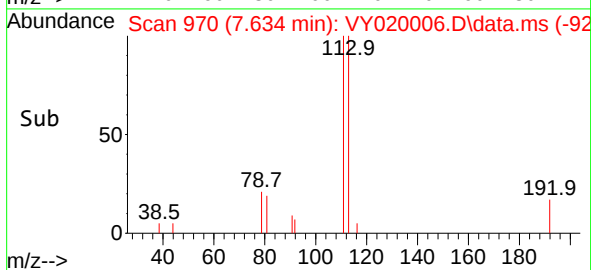
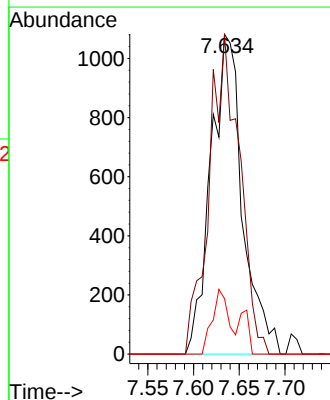
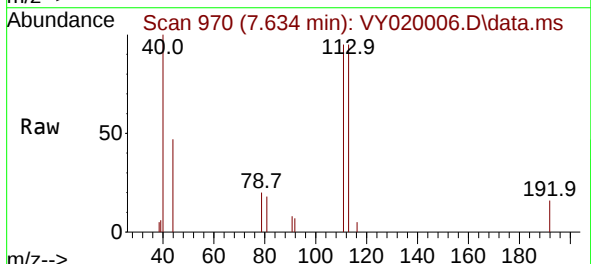
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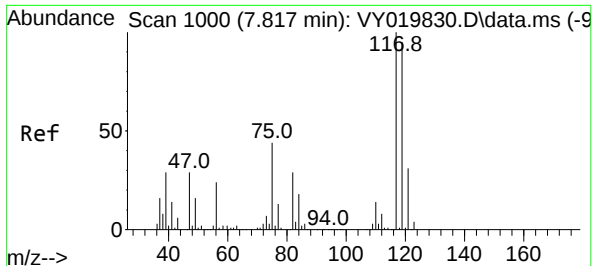
Tgt Ion:	114	Resp:	7001
Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	35.0
88	14.1	0.0	27.2



#35
Dibromofluoromethane
Concen: 56.798 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

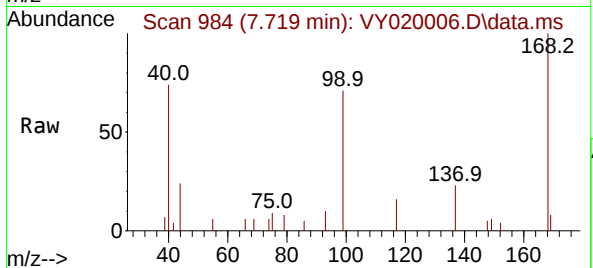
Tgt Ion:	113	Resp:	2624
Ion	Ratio	Lower	Upper
113	100		
111	95.7	82.2	123.4
192	10.7	15.9	23.9



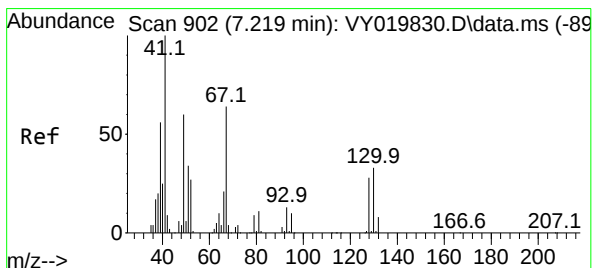
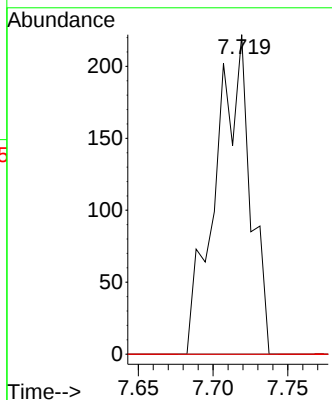
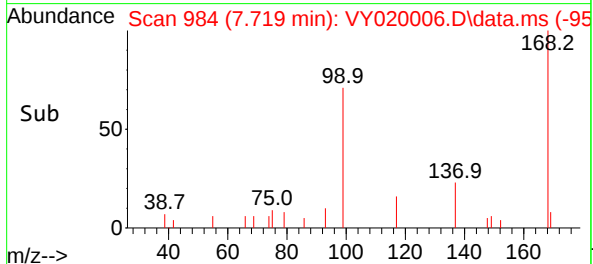


#38
Carbon Tetrachloride
Concen: 5.017 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

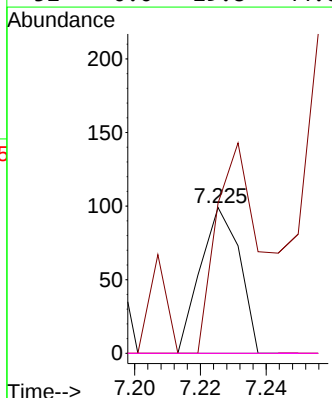
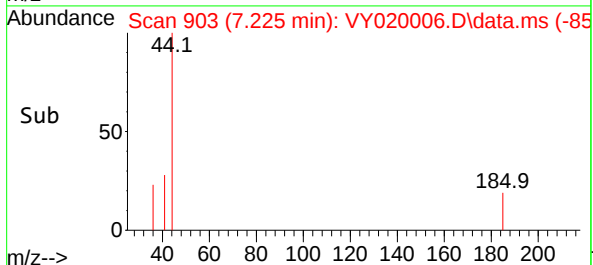
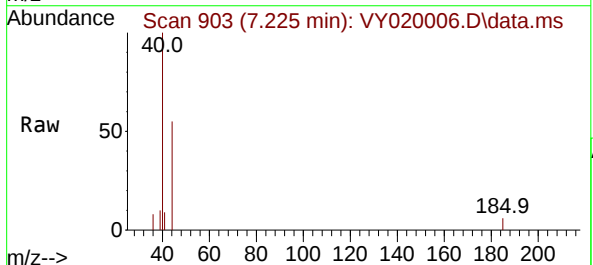


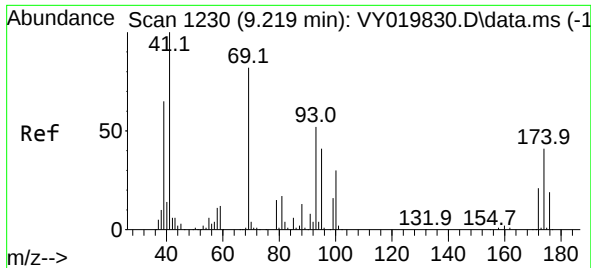
Tgt Ion:117 Resp: 358
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 4.365 ug/l
RT: 7.225 min Scan# 903
Delta R.T. 0.006 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 41 Resp: 82
Ion Ratio Lower Upper
41 100
39 170.7 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

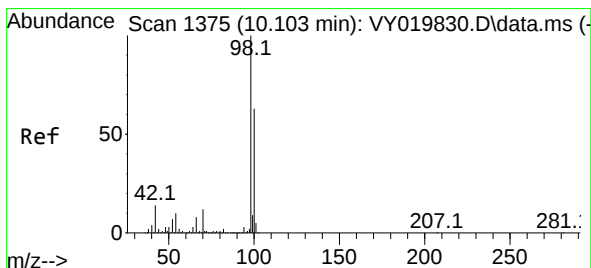
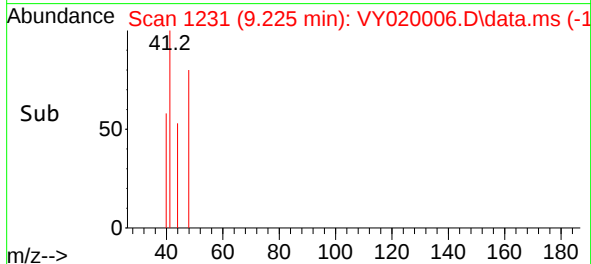
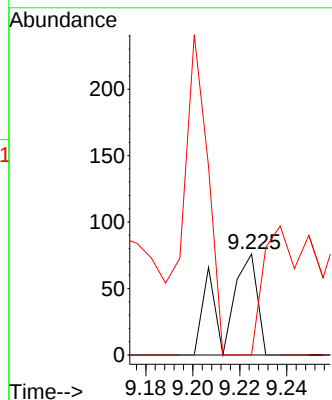
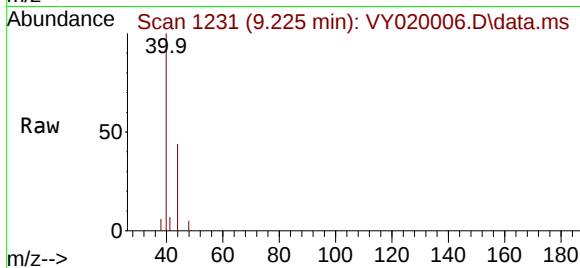




#48
Methyl methacrylate
Concen: 2.345 ug/l
RT: 9.225 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

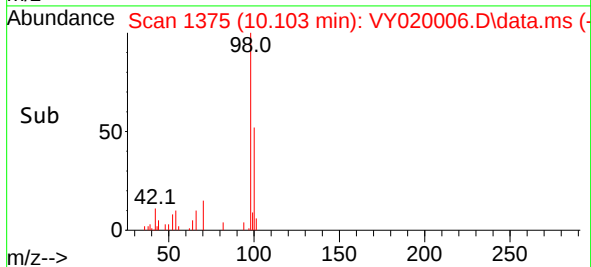
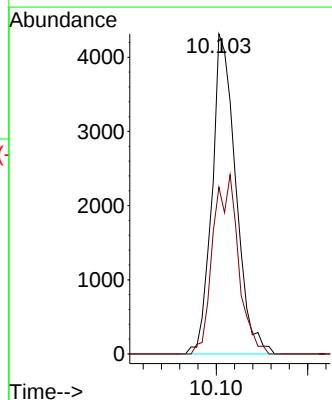
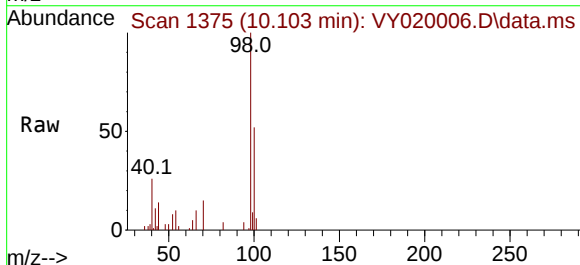
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

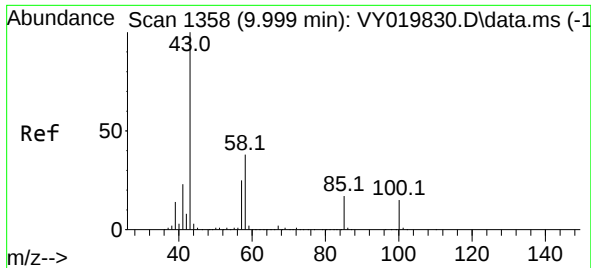
Tgt Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 121.9 43.6 65.4#



#50
Toluene-d8
Concen: 45.555 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 98 Resp: 7772
Ion Ratio Lower Upper
98 100
100 60.0 52.0 78.0

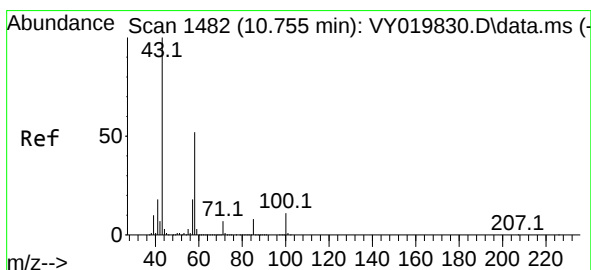
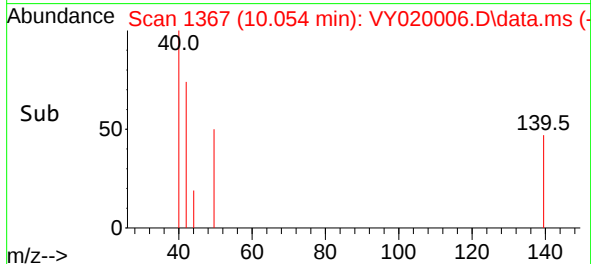
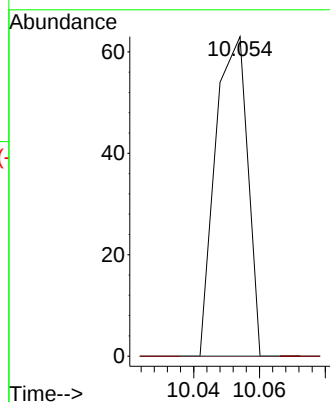
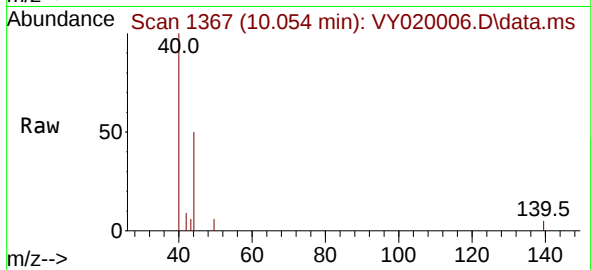




#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 10.054 min Scan# 11
Delta R.T. 0.055 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

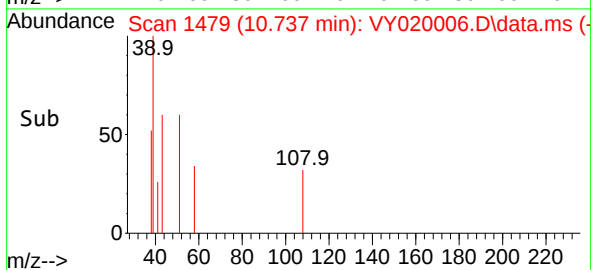
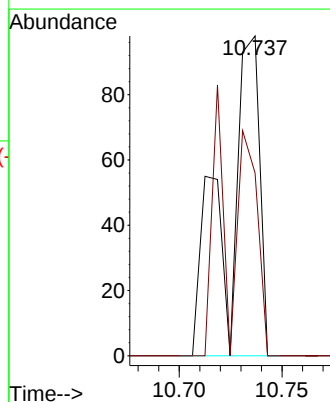
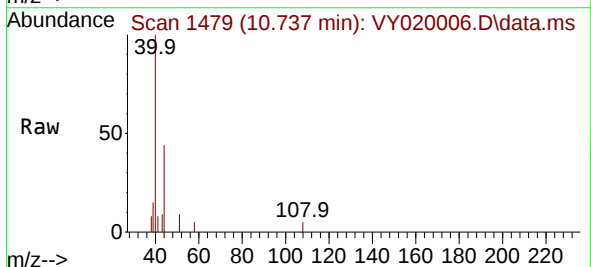
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

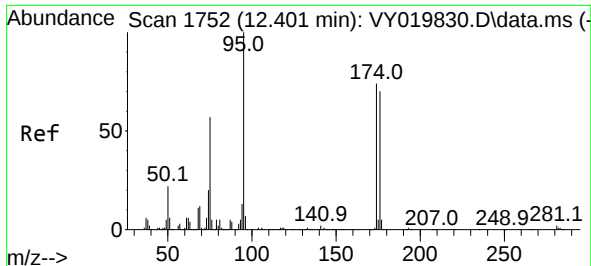
Tgt Ion: 43 Resp: 43
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#59
2-Hexanone
Concen: 4.266 ug/l
RT: 10.737 min Scan# 1479
Delta R.T. -0.024 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 41.8 31.4 94.0





#62

4-Bromofluorobenzene

Concen: 16.465 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020006.D

Acq: 24 Oct 2024 12:59

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-102224

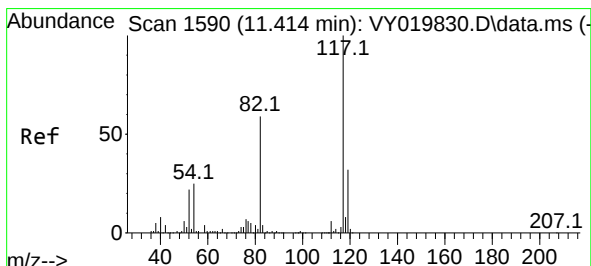
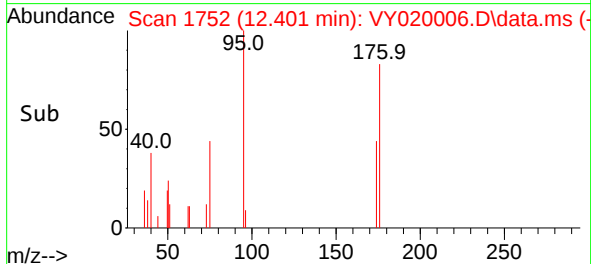
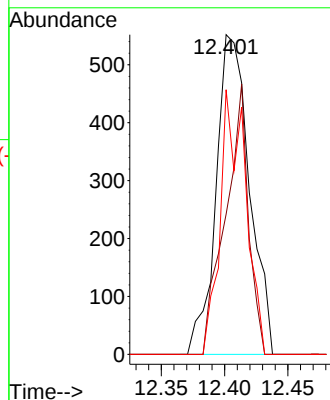
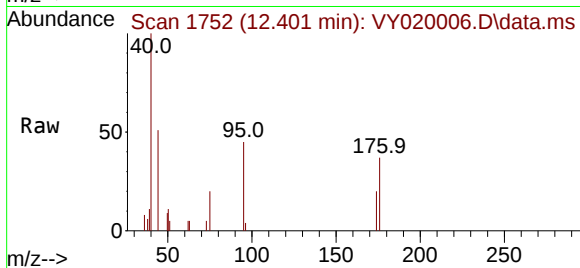
Tgt Ion: 95 Resp: 1015

Ion Ratio Lower Upper

95 100

174 58.1 0.0 175.6

176 63.1 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020006.D

Acq: 24 Oct 2024 12:59

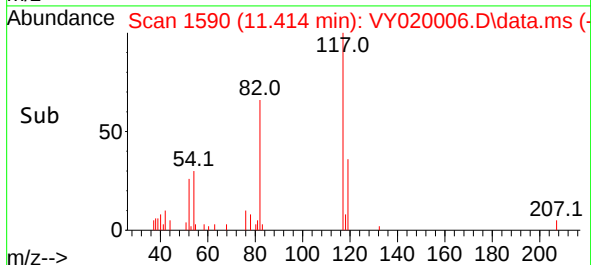
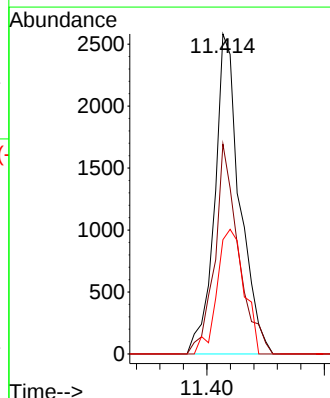
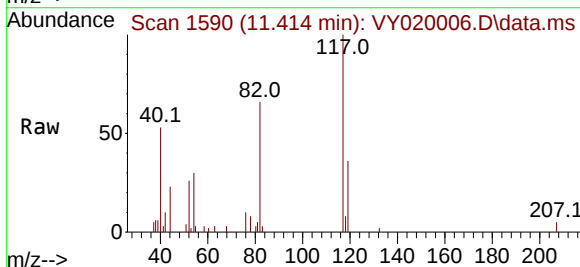
Tgt Ion: 117 Resp: 3842

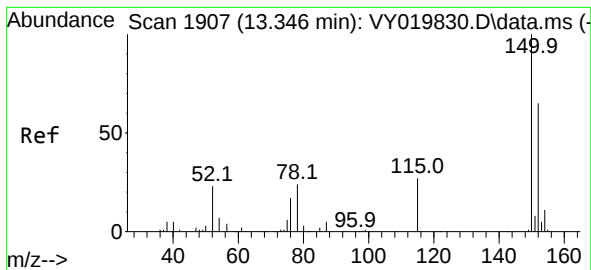
Ion Ratio Lower Upper

117 100

82 65.6 42.4 63.6#

119 35.7 25.9 38.9

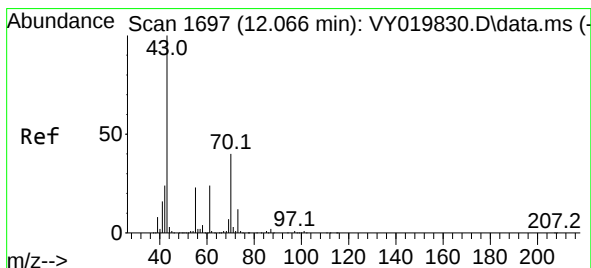
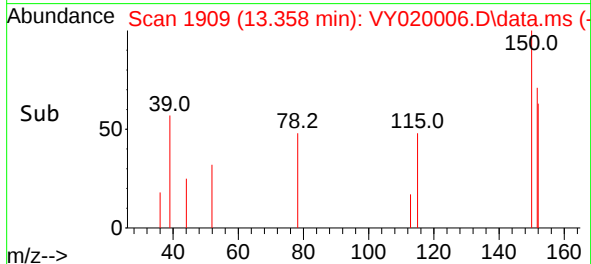
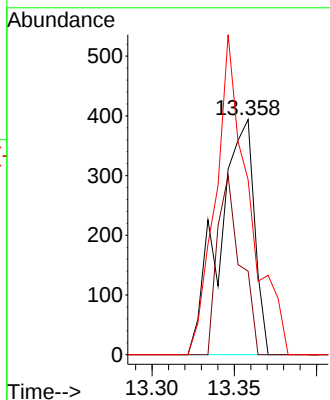
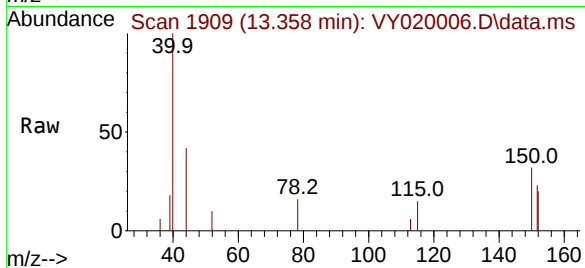




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.358 min Scan# 1909
 Delta R.T. 0.012 min
 Lab File: VY020006.D
 Acq: 24 Oct 2024 12:59

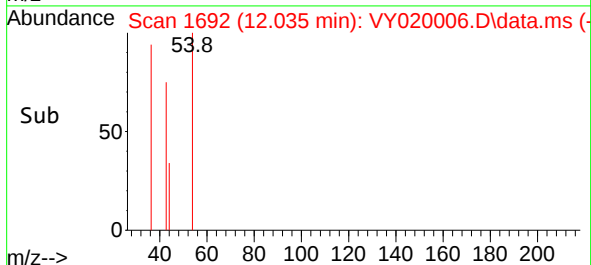
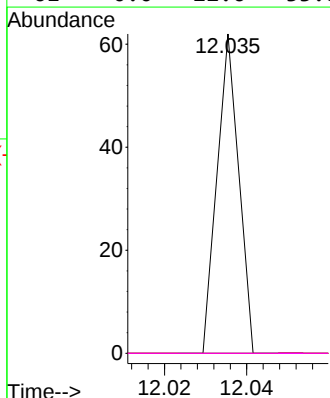
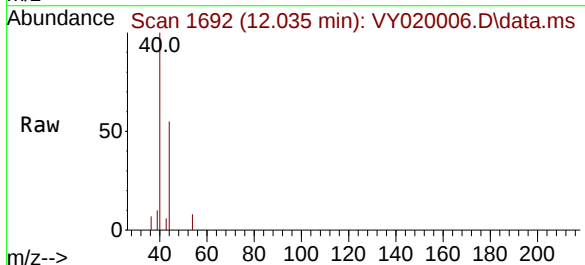
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-102224

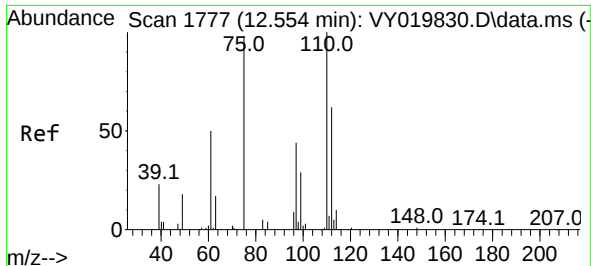
Tgt Ion:152 Resp: 585
 Ion Ratio Lower Upper
 152 100
 115 50.4 28.2 84.7
 150 128.5 0.0 345.6



#74
 N-ethyl acetate
 Concen: 1.765 ug/l
 RT: 12.035 min Scan# 1692
 Delta R.T. -0.037 min
 Lab File: VY020006.D
 Acq: 24 Oct 2024 12:59

Tgt Ion: 43 Resp: 23
 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#

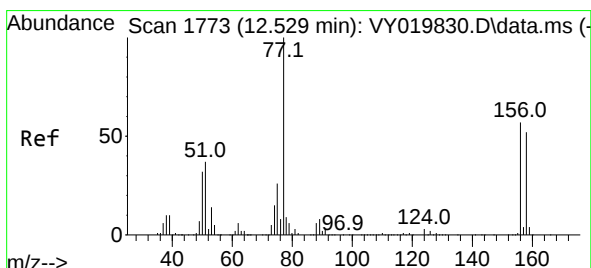
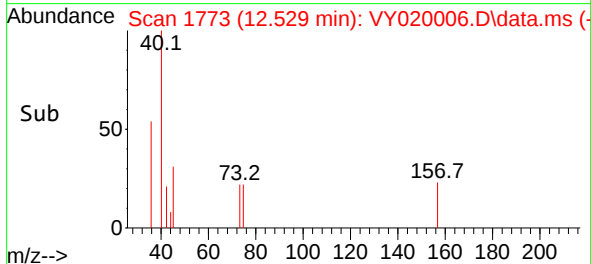
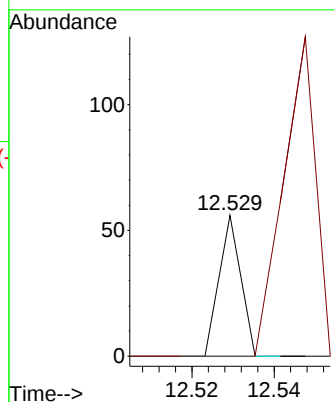
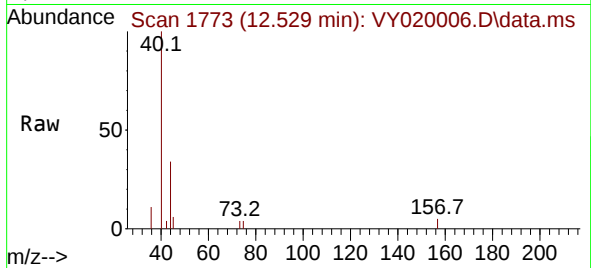




#76
1,2,3-Trichloropropane
Concen: 1.745 ug/l
RT: 12.529 min Scan# 11
Delta R.T. -0.030 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

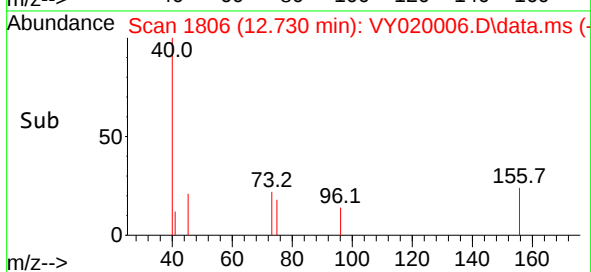
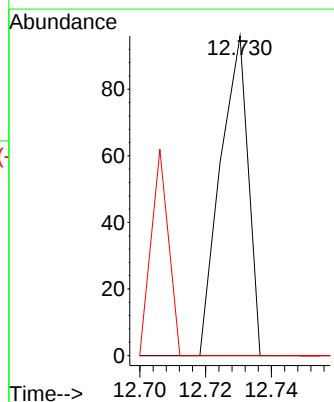
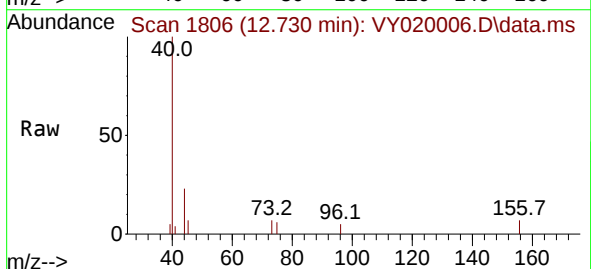
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

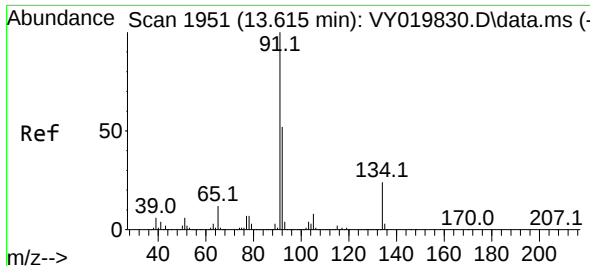
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 345.0 0.0 0.0#



#77
Bromobenzene
Concen: 5.363 ug/l
RT: 12.730 min Scan# 1806
Delta R.T. 0.195 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion:156 Resp: 56
Ion Ratio Lower Upper
156 100
77 0.0 87.1 261.3#
158 0.0 48.6 145.9#

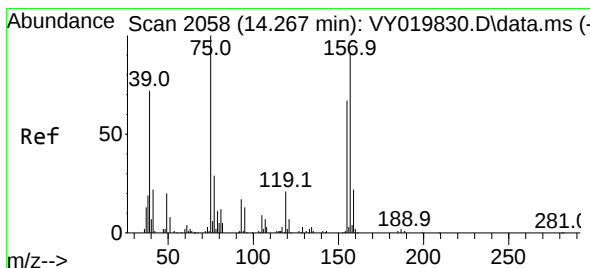
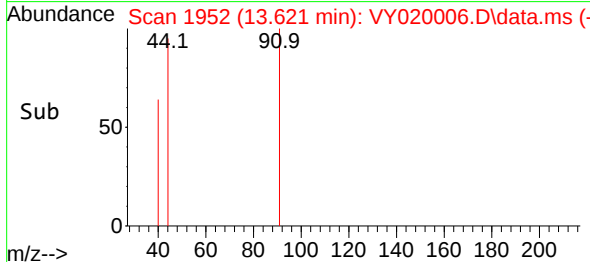
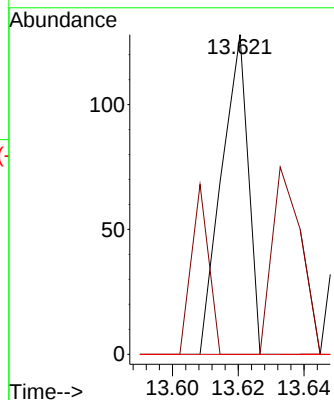
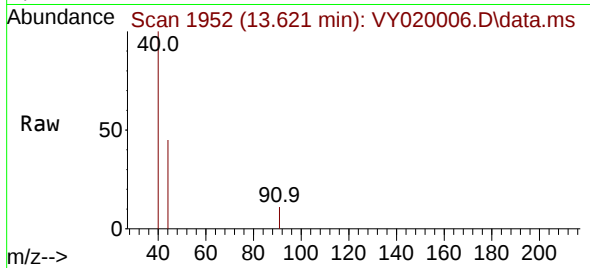




#89
n-Butylbenzene
Concen: 1.707 ug/l
RT: 13.621 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

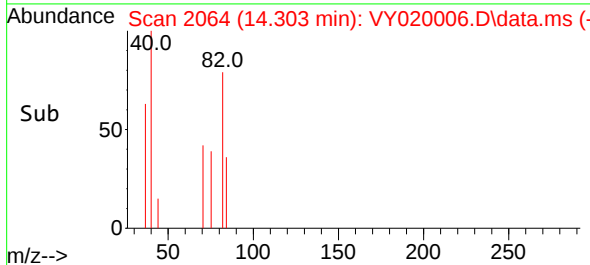
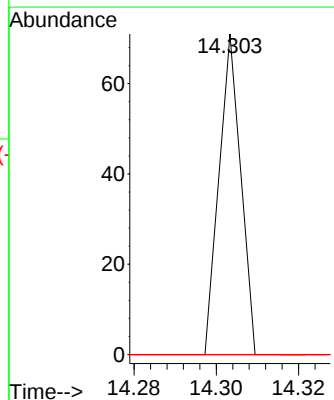
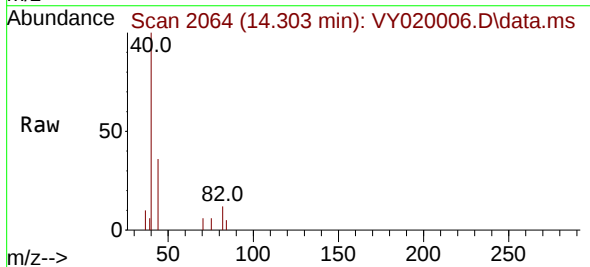
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

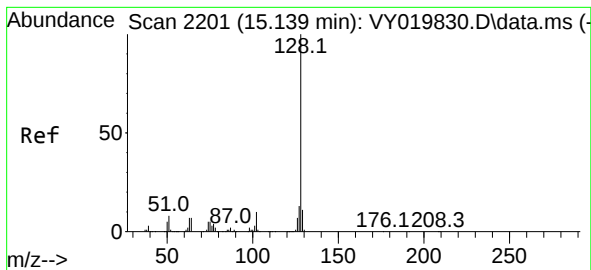
Tgt Ion: 91	Resp:	72
Ion Ratio	Lower	Upper
91	100	
92	34.7	26.6 79.7
134	0.0	12.9 38.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.633 ug/l
RT: 14.303 min Scan# 2064
Delta R.T. 0.031 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Tgt Ion: 75	Resp:	26
Ion Ratio	Lower	Upper
75	100	
155	0.0	48.6 145.8#
157	0.0	62.7 188.2#





#95
Naphthalene
Concen: 9.645 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020006.D
Acq: 24 Oct 2024 12:59

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-102224

Tgt Ion:128 Resp: 189
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

