

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013985.D
 Acq On : 02 Jun 2023 13:23
 Operator : KP/MD
 Sample : 03002-06
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB03

Quant Time: Jun 03 04:59:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

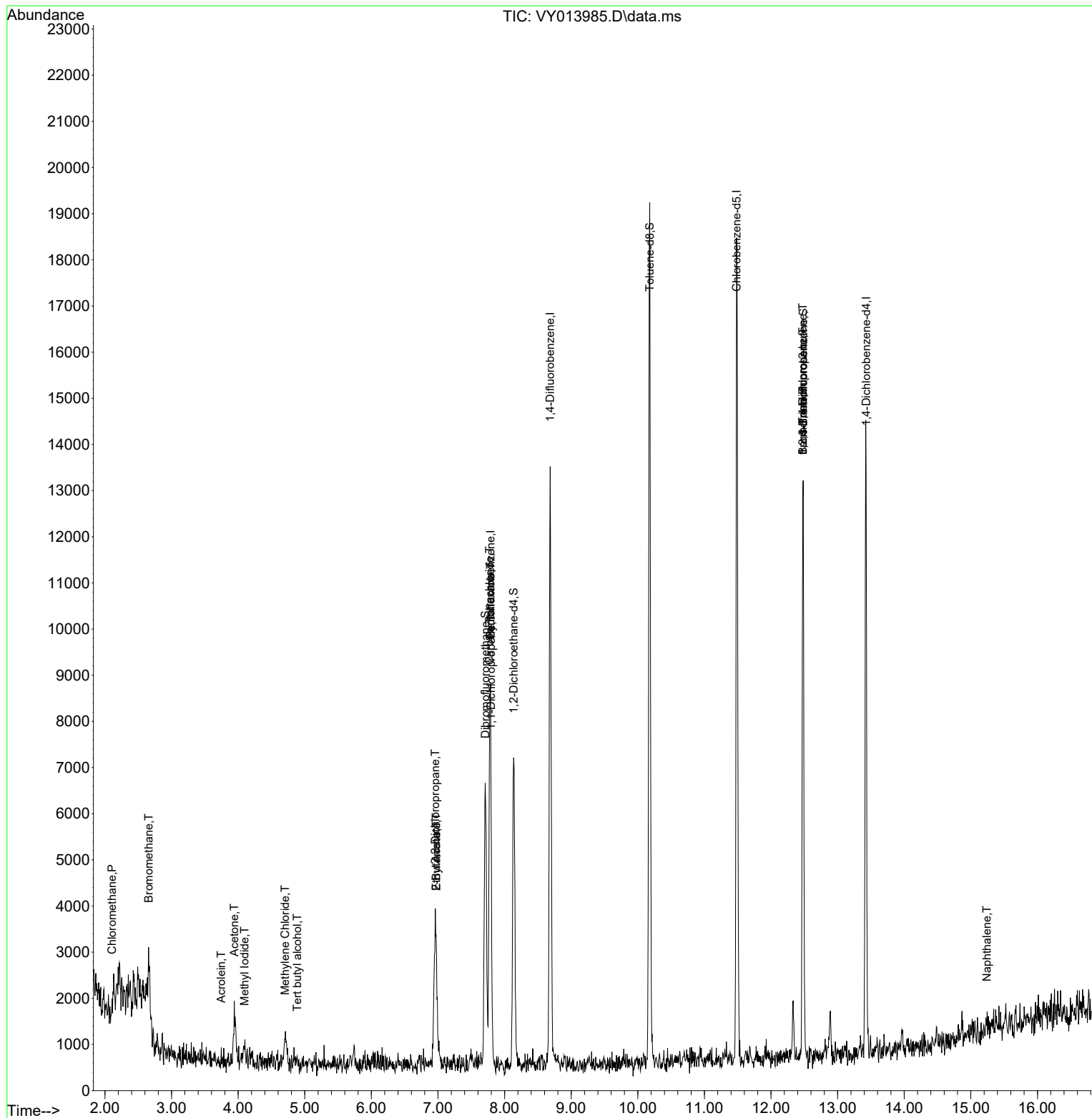
Internal Standards						
1) Pentafluorobenzene	7.789	168	7200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	11581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	10557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5875	61.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.280%
35) Dibromofluoromethane	7.710	113	4255	57.814	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.620%
50) Toluene-d8	10.179	98	12987	46.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.520%
62) 4-Bromofluorobenzene	12.483	95	3788	39.579	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	254	2.895	ug/l	90
5) Bromomethane	2.656	94	533	7.531	ug/l #	76
10) Methyl Iodide	4.094	142	566	6.222	ug/l #	65
11) Tert butyl alcohol	4.887	59	20	1.021	ug/l #	89
13) Acrolein	3.747	56	28	3.121	ug/l #	14
16) Acetone	3.942	43	2106	64.583	ug/l #	72
20) Methylene Chloride	4.704	84	444	1.130	ug/l #	70
25) 2-Butanone	6.972	43	122	3.003	ug/l #	49
26) 2,2-Dichloropropane	6.960	77	135	1.024	ug/l #	54
31) Cyclohexane	7.789	56	141	1.229	ug/l #	20
36) 1,1-Dichloropropene	7.795	75	624	5.951	ug/l #	41
37) Ethyl Acetate	6.972	43	122	1.335	ug/l #	1
38) Carbon Tetrachloride	7.777	117	561	4.775	ug/l #	12
71) Bromoform	12.477	173	75	1.207	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	1989	37.821	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1989	80.238	ug/l #	10
95) Naphthalene	15.239	128	113	4.452	ug/l #	69

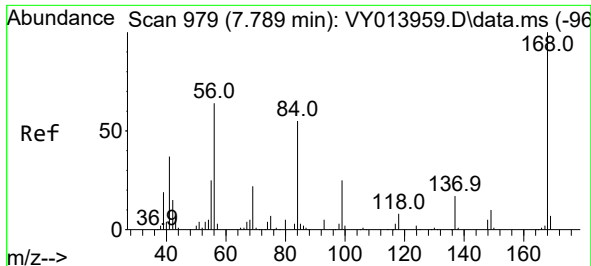
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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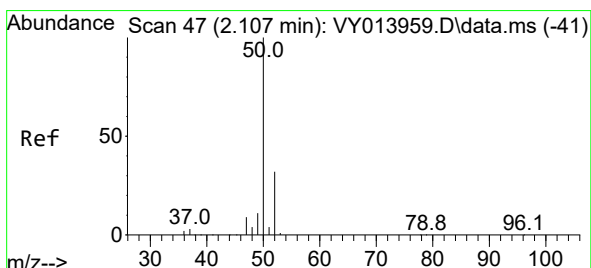
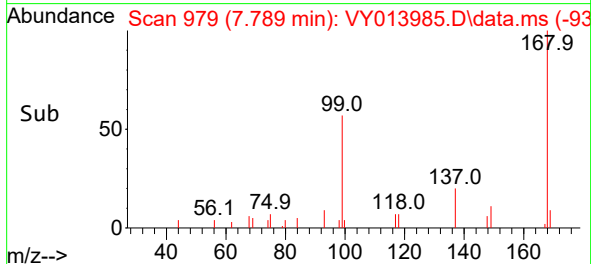
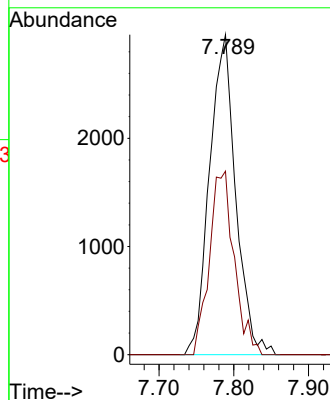
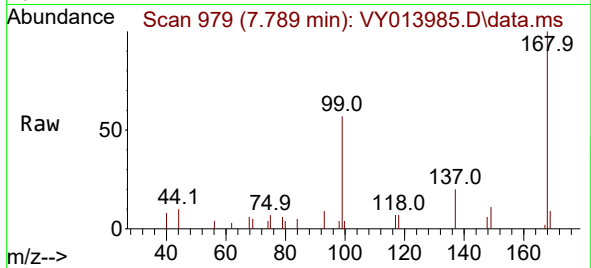




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

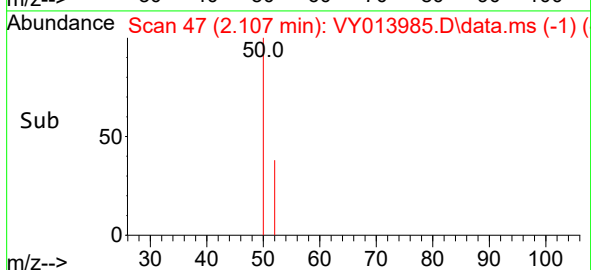
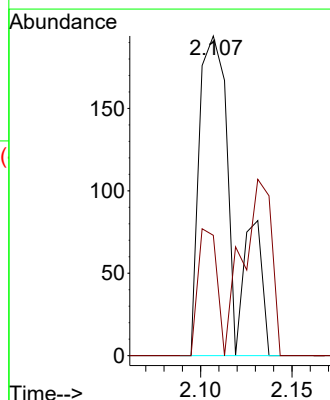
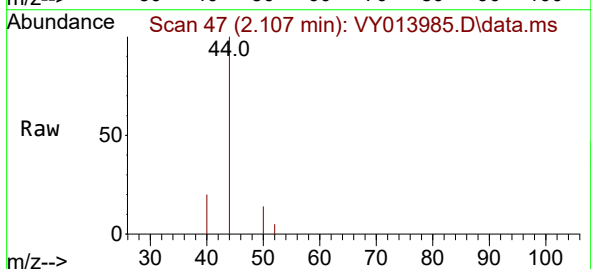
Instrument :
MSVOA_Y
ClientSampleId :
SB03

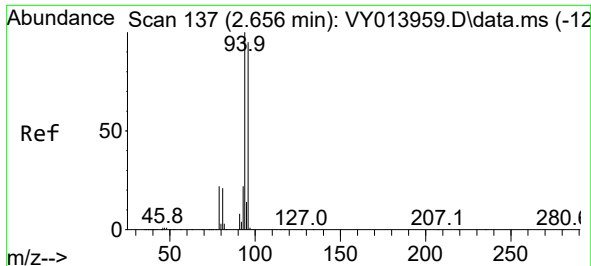
Tgt Ion:168 Resp: 7200
Ion Ratio Lower Upper
168 100
99 57.4 43.4 65.0



#3
Chloromethane
Concen: 2.895 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 50 Resp: 254
Ion Ratio Lower Upper
50 100
52 37.6 25.4 38.2

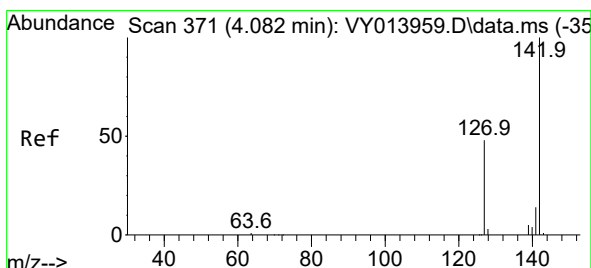
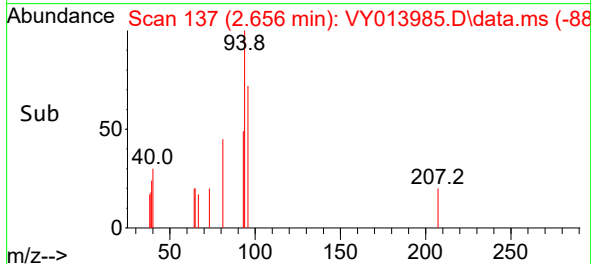
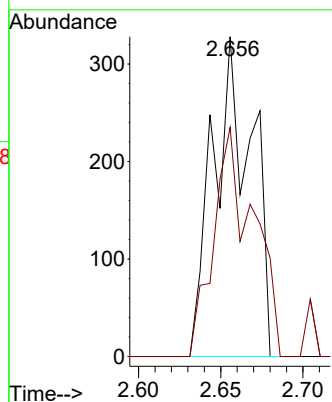
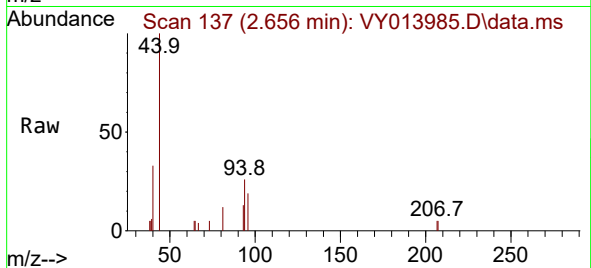




#5
Bromomethane
Concen: 7.531 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

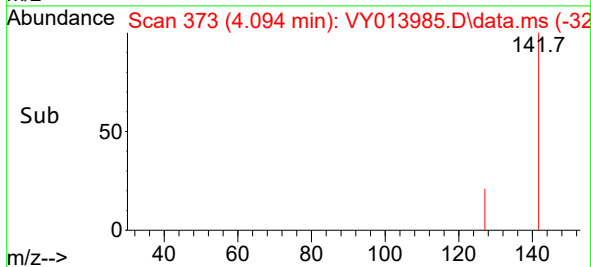
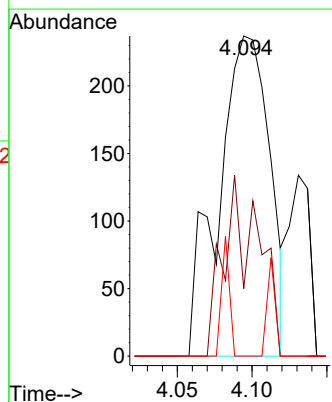
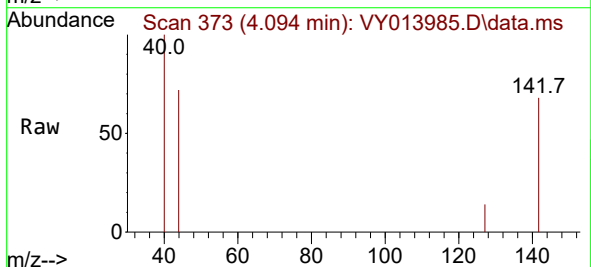
Instrument :
MSVOA_Y
ClientSampleId :
SB03

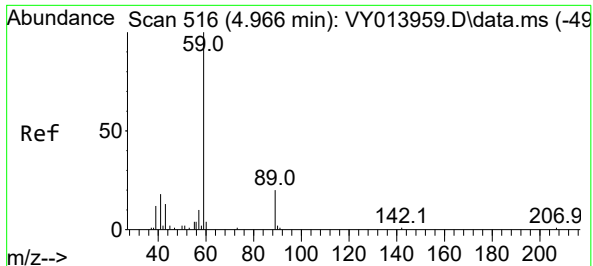
Tgt Ion: 94 Resp: 533
Ion Ratio Lower Upper
94 100
96 71.6 75.8 113.6#



#10
Methyl Iodide
Concen: 6.222 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 142 Resp: 566
Ion Ratio Lower Upper
142 100
127 20.8 37.6 56.4#
141 5.8 11.8 17.8#





#11

Tert butyl alcohol

Concen: 1.021 ug/l

RT: 4.887 min Scan# 50

Delta R.T. -0.079 min

Lab File: VY013985.D

Acq: 02 Jun 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

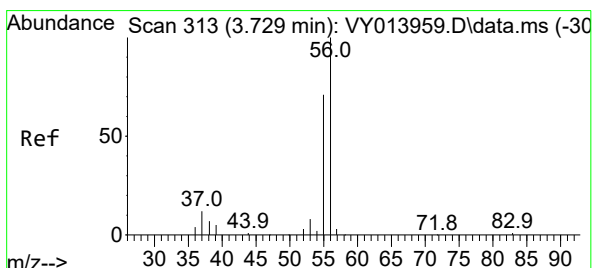
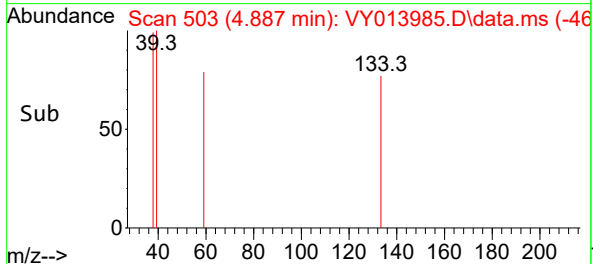
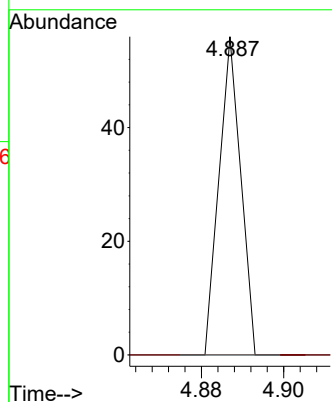
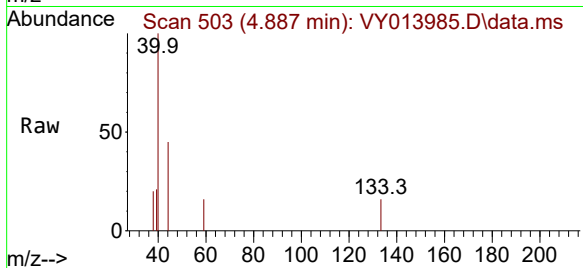
SB03

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: 3.121 ug/l

RT: 3.747 min Scan# 316

Delta R.T. 0.018 min

Lab File: VY013985.D

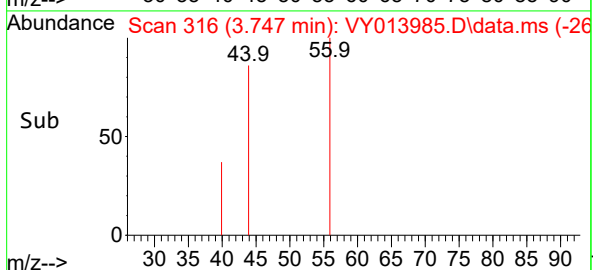
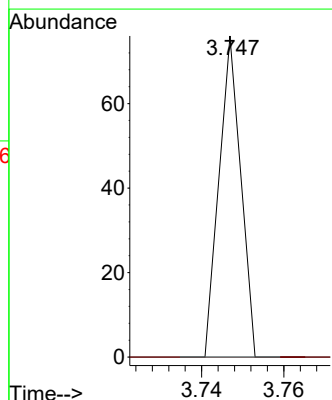
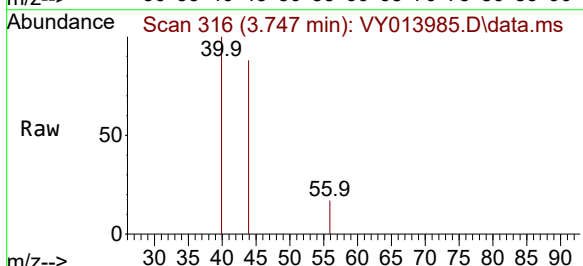
Acq: 02 Jun 2023 13:23

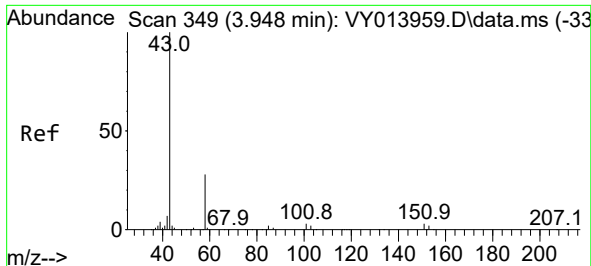
Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#

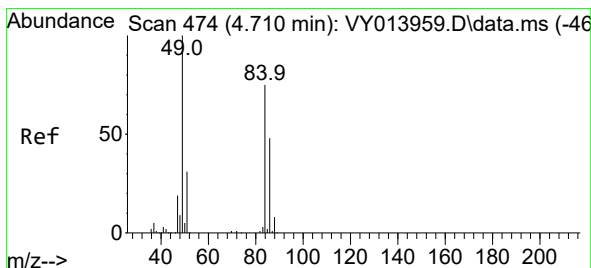
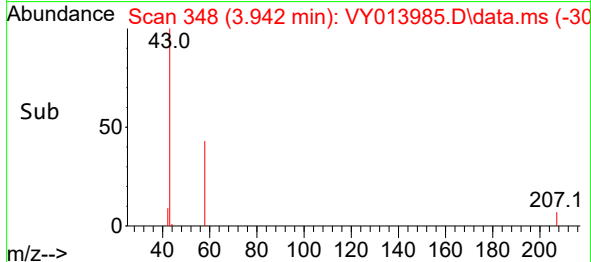
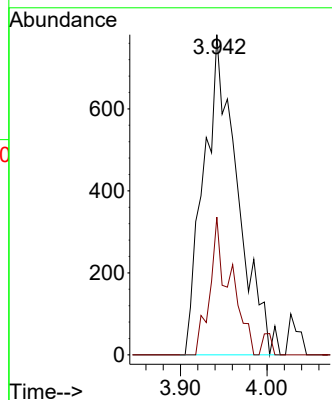
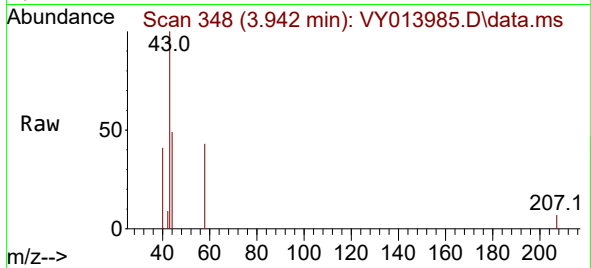




#16
Acetone
Concen: 64.583 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

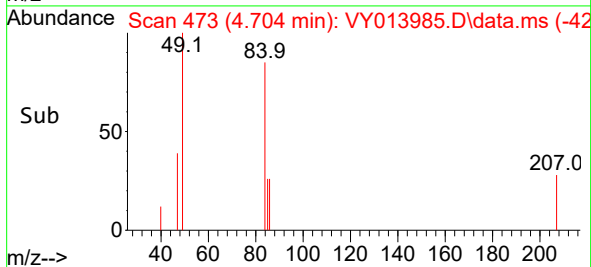
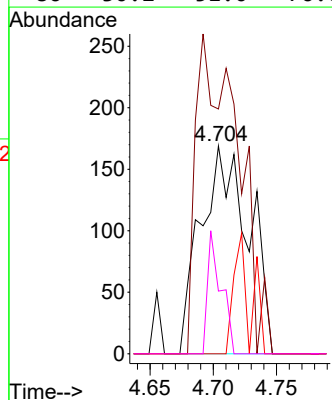
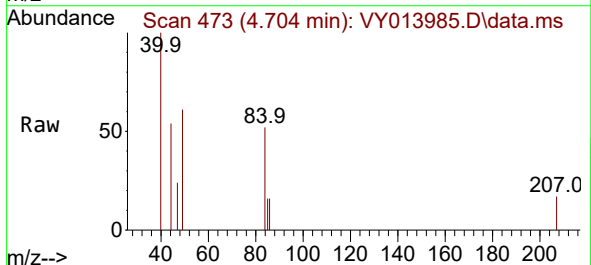
Instrument :
MSVOA_Y
ClientSampleId :
SB03

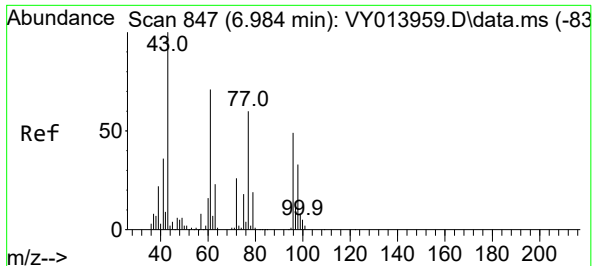
Tgt Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
58 43.0 22.7 34.1#



#20
Methylene Chloride
Concen: 1.130 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 84 Resp: 444
Ion Ratio Lower Upper
84 100
49 117.8 106.9 160.3
51 0.0 33.2 49.8#
86 30.2 51.0 76.6#





#25

2-Butanone

Concen: 3.003 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013985.D

Acq: 02 Jun 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

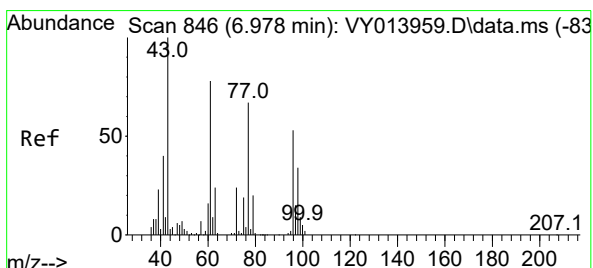
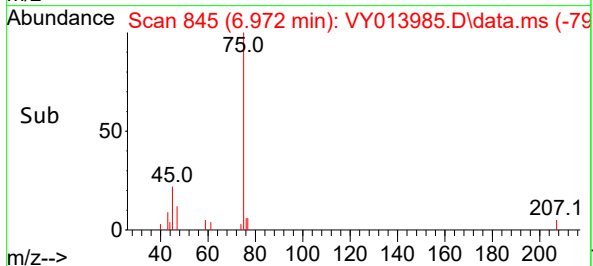
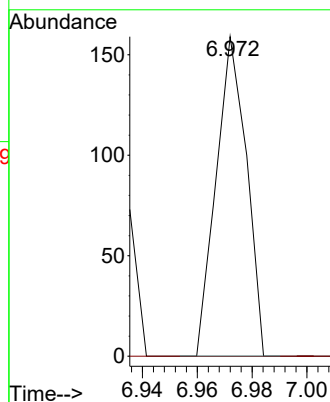
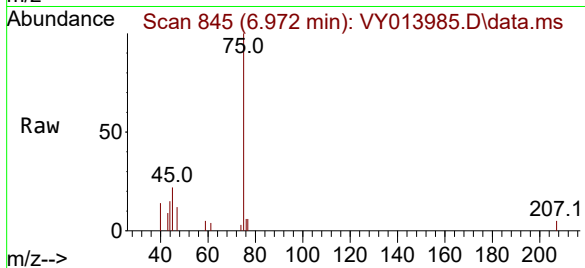
SB03

Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.024 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY013985.D

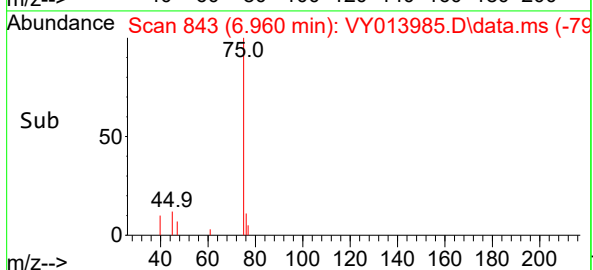
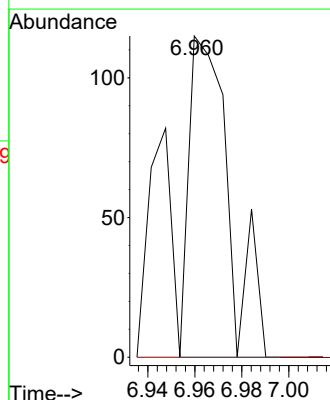
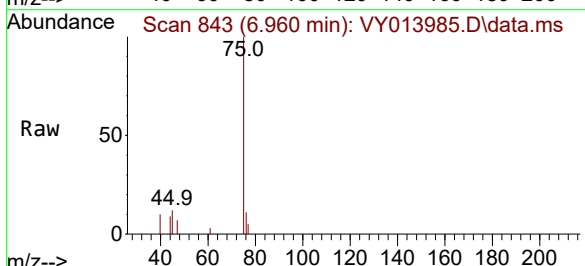
Acq: 02 Jun 2023 13:23

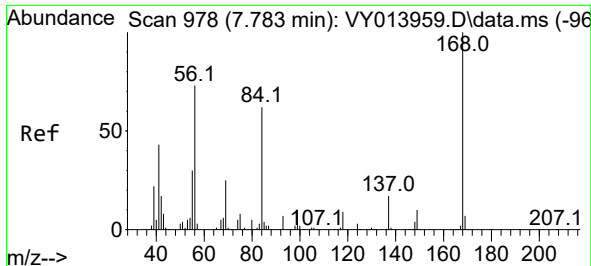
Tgt Ion: 77 Resp: 135

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

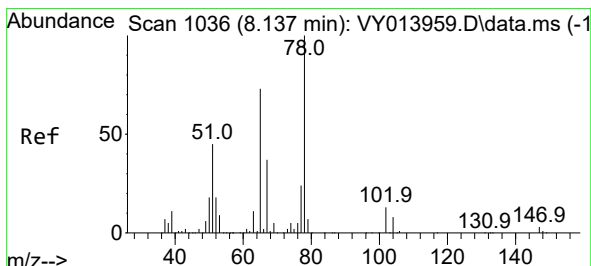
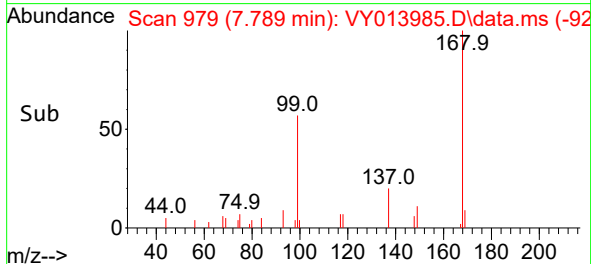
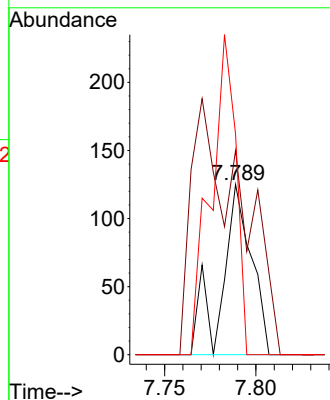
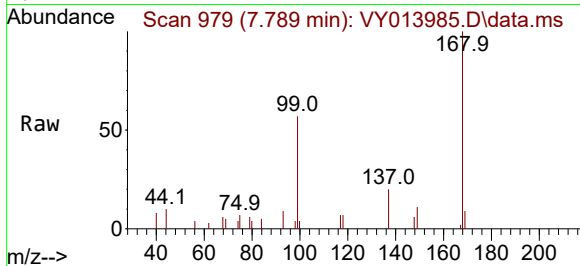




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

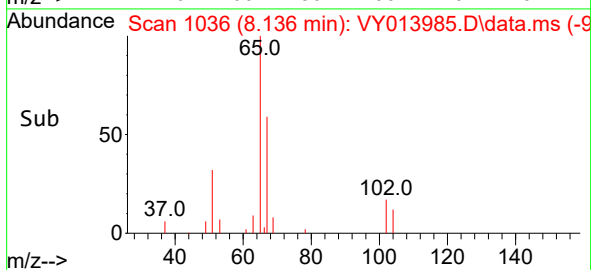
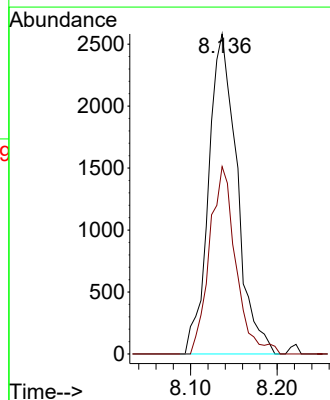
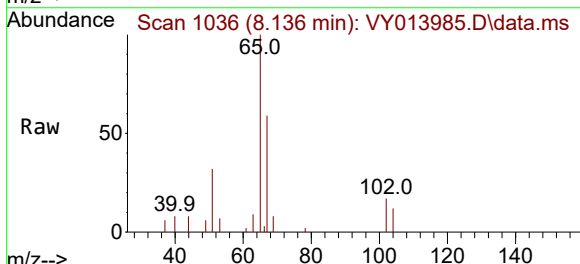
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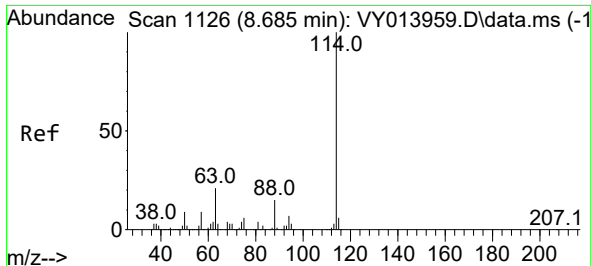
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
69 120.0 27.8 41.6#
84 129.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.640 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 65 Resp: 5875
Ion Ratio Lower Upper
65 100
67 54.2 0.0 101.8

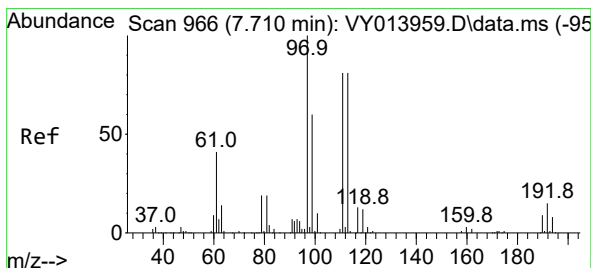
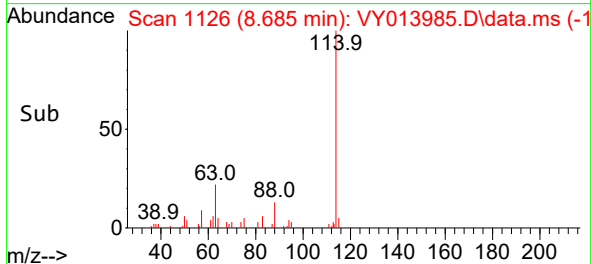
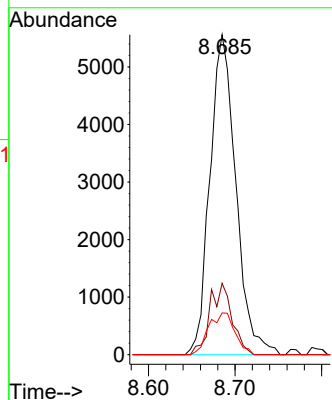
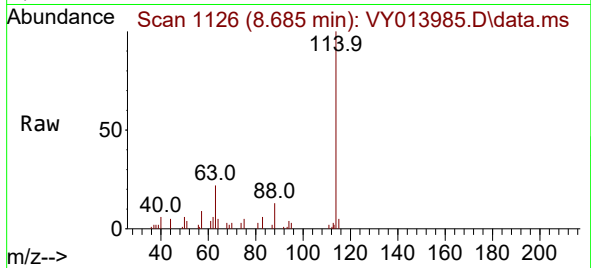




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

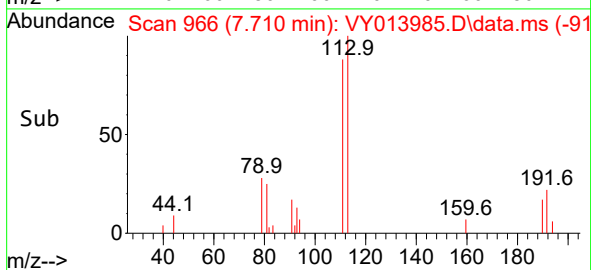
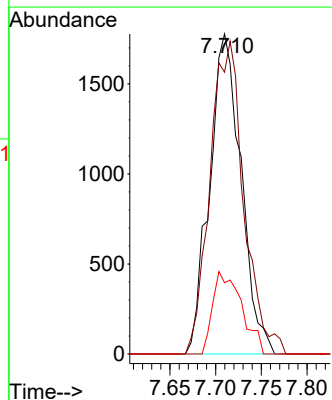
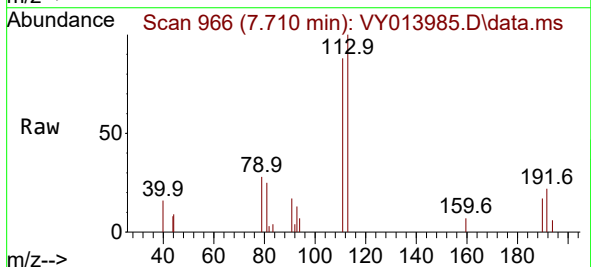
Instrument :
MSVOA_Y
ClientSampleId :
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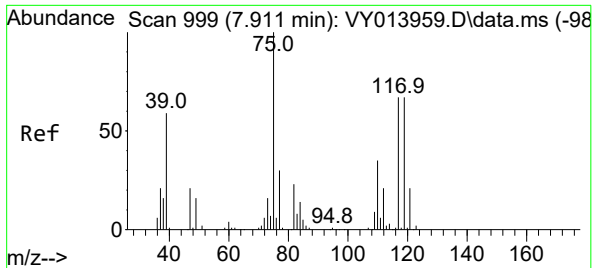
Tgt Ion:	114	Resp:	11581
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	42.4
88	13.1	0.0	30.6



#35
Dibromofluoromethane
Concen: 57.814 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion:	113	Resp:	4255
Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.3	121.9
192	23.6	16.9	25.3

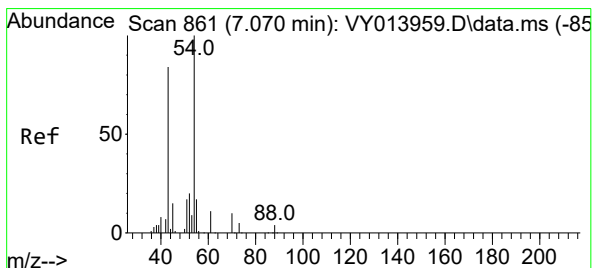
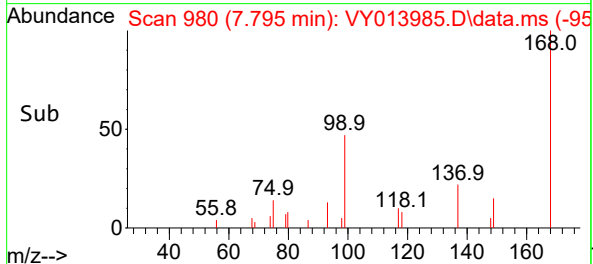
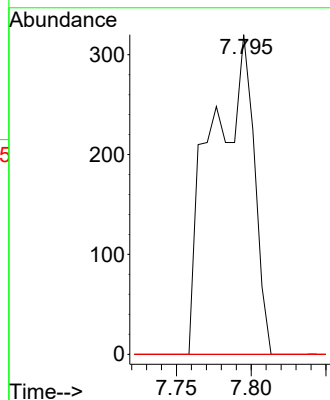
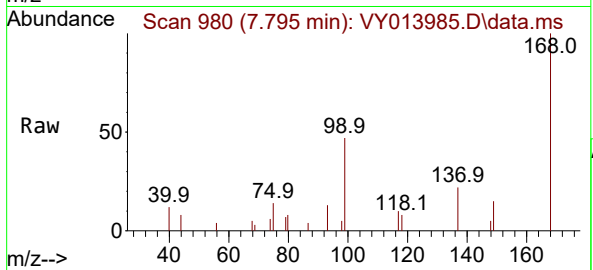




#36
 1,1-Dichloropropene
 Concen: 5.951 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.116 min
 Lab File: VY013985.D
 Acq: 02 Jun 2023 13:23

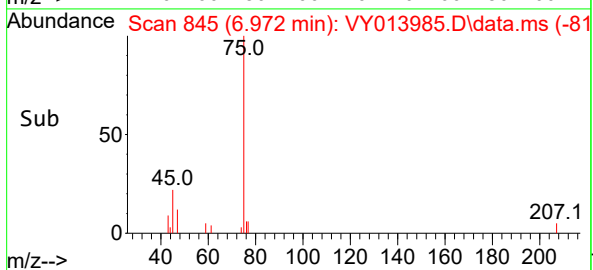
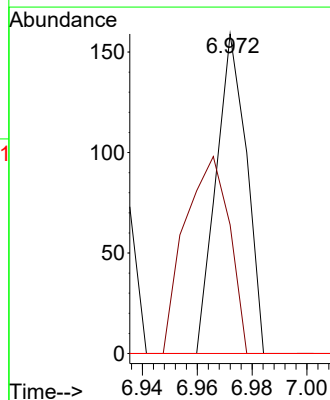
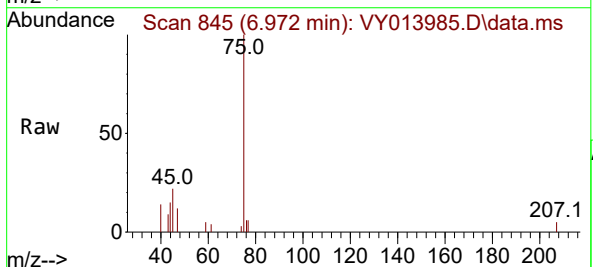
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB03

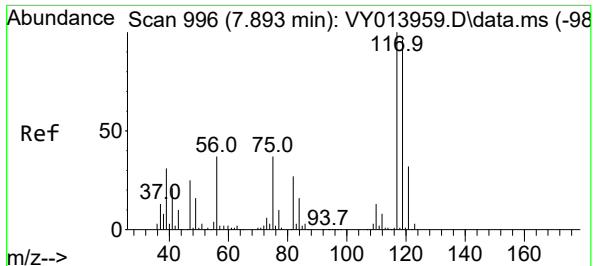
Tgt Ion: 75 Resp: 624
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.335 ug/l
 RT: 6.972 min Scan# 845
 Delta R.T. -0.098 min
 Lab File: VY013985.D
 Acq: 02 Jun 2023 13:23

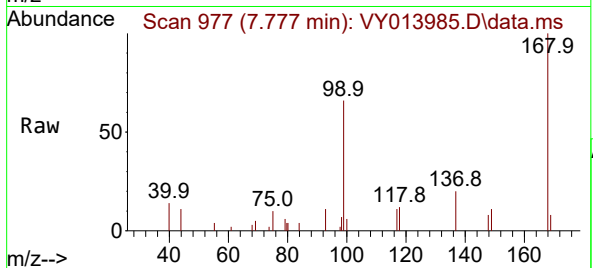
Tgt Ion: 43 Resp: 122
 Ion Ratio Lower Upper
 43 100
 61 90.2 10.1 15.1#
 70 0.0 7.1 10.7#



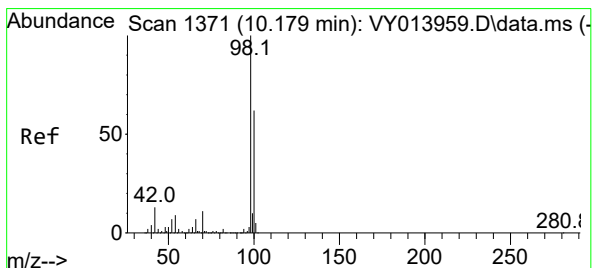
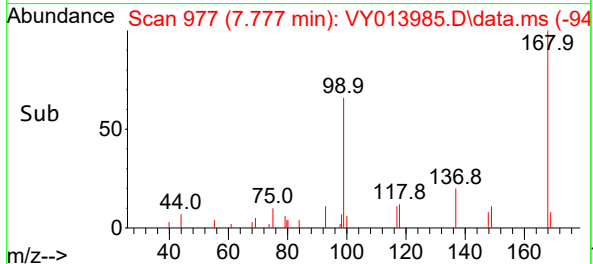
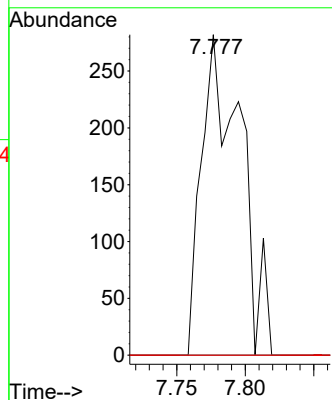


#38
Carbon Tetrachloride
Concen: 4.775 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
SB03

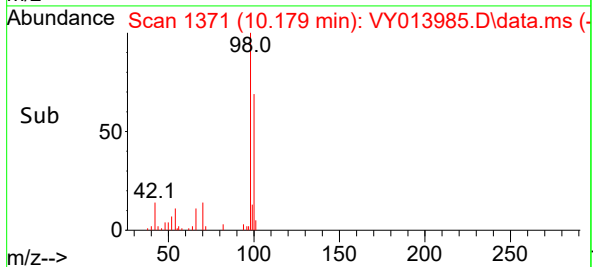
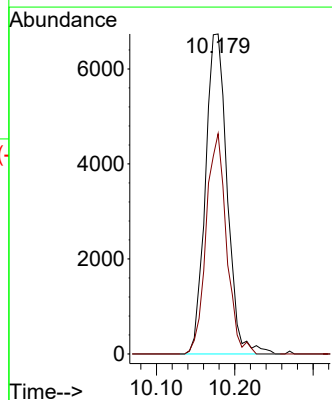
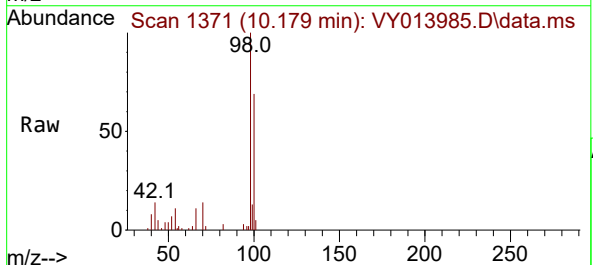


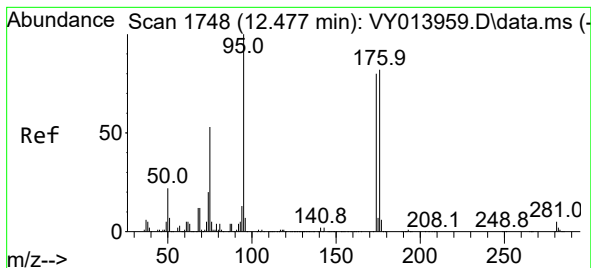
Tgt Ion:117 Resp: 561
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.261 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 98 Resp: 12987
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1

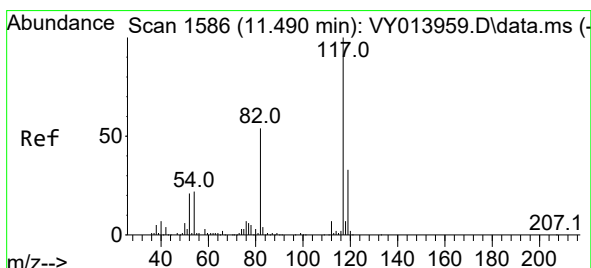
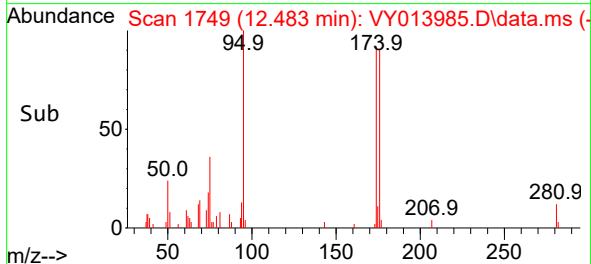
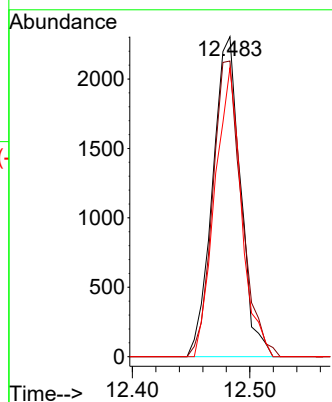
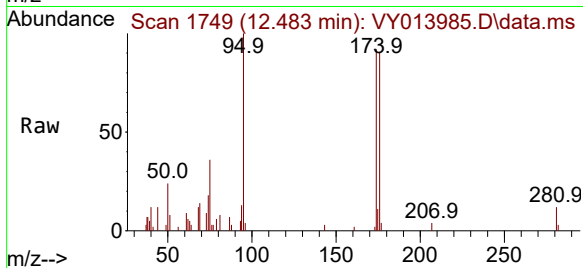




#62
4-Bromofluorobenzene
Concen: 39.579 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

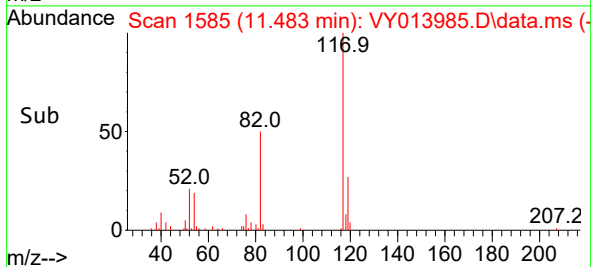
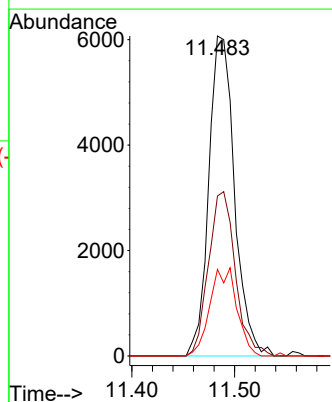
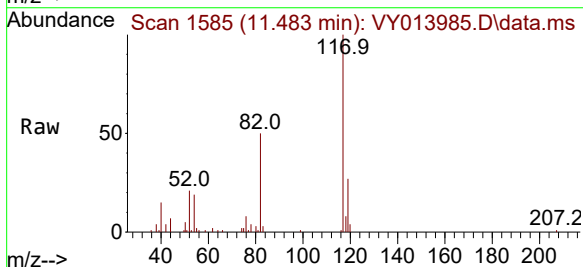
Instrument :
MSVOA_Y
ClientSampleId :
SB03

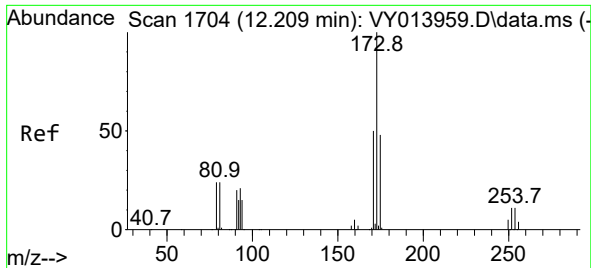
Tgt Ion: 95 Resp: 3788
Ion Ratio Lower Upper
95 100
174 96.1 0.0 178.2
176 86.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 117 Resp: 10557
Ion Ratio Lower Upper
117 100
82 50.0 43.4 65.0
119 27.0 26.3 39.5

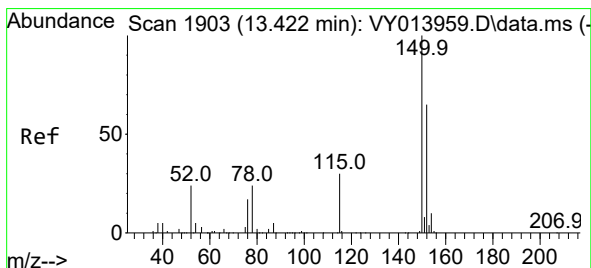
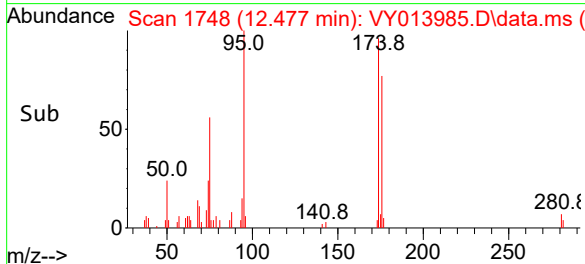
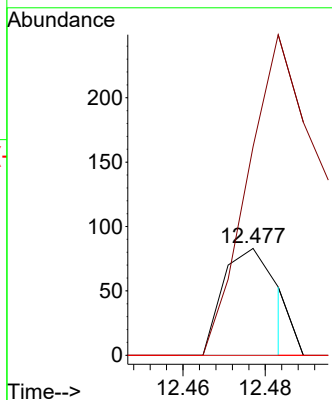
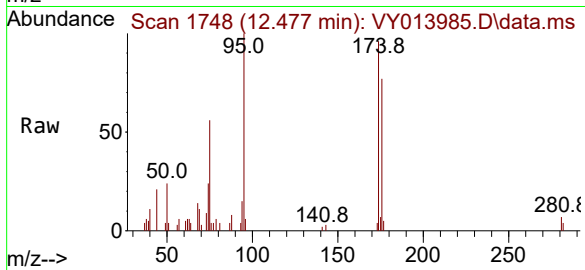




#71
Bromoform
Concen: 1.207 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.268 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

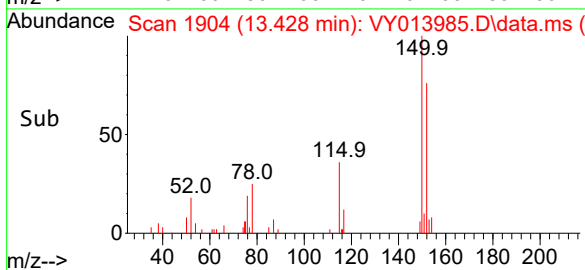
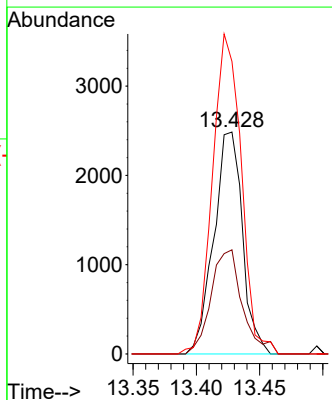
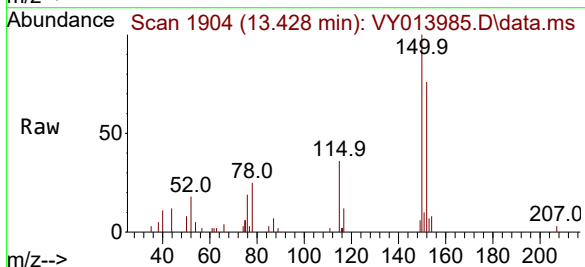
Instrument :
MSVOA_Y
ClientSampleId :
SB03

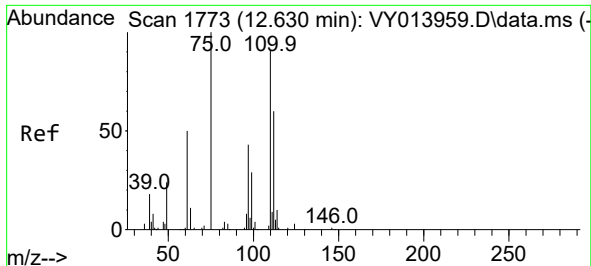
Tgt Ion:173 Resp: 75
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion:152 Resp: 3908
Ion Ratio Lower Upper
152 100
115 51.4 28.8 86.5
150 144.5 0.0 348.8

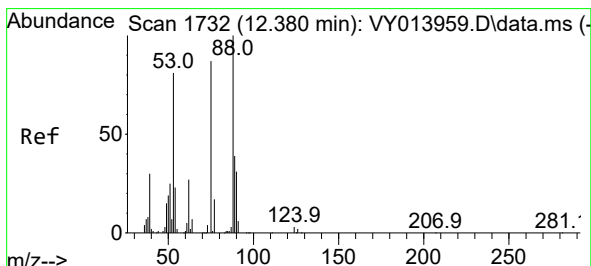
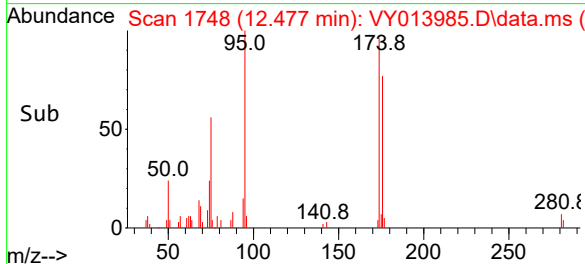
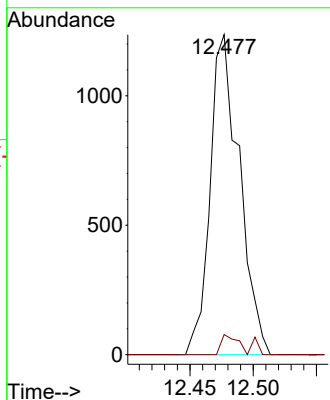
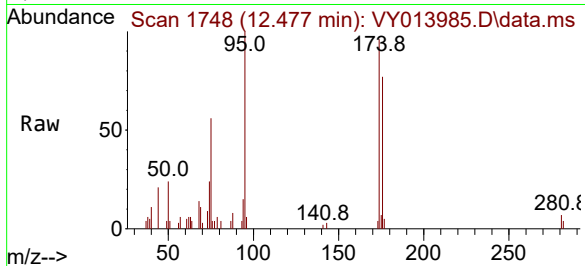




#76
1,2,3-Trichloropropane
Concen: 37.821 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

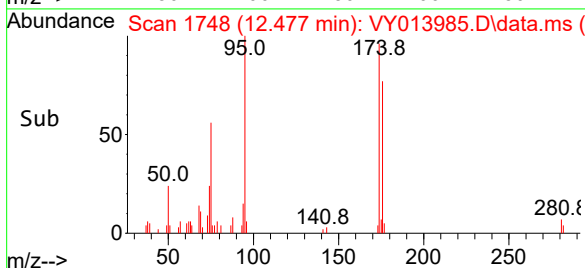
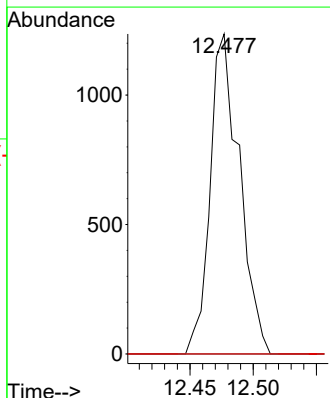
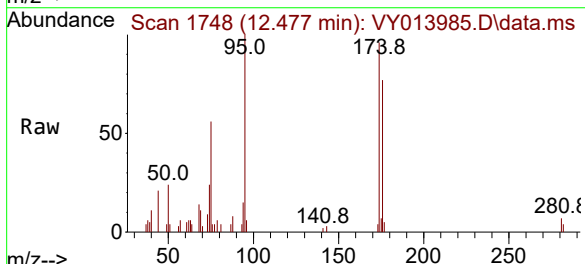
Instrument :
MSVOA_Y
ClientSampleId :
SB03

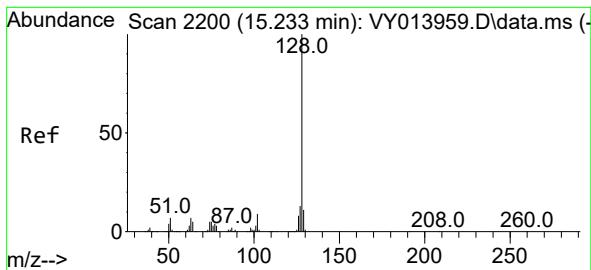
Tgt Ion: 75 Resp: 1989
Ion Ratio Lower Upper
75 100
77 3.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.238 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Tgt Ion: 75 Resp: 1989
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 4.452 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013985.D
Acq: 02 Jun 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
SB03

Tgt Ion:128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

