

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015831.D
 Acq On : 04 Oct 2023 16:36
 Operator : SY/MD
 Sample : 04685-12
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

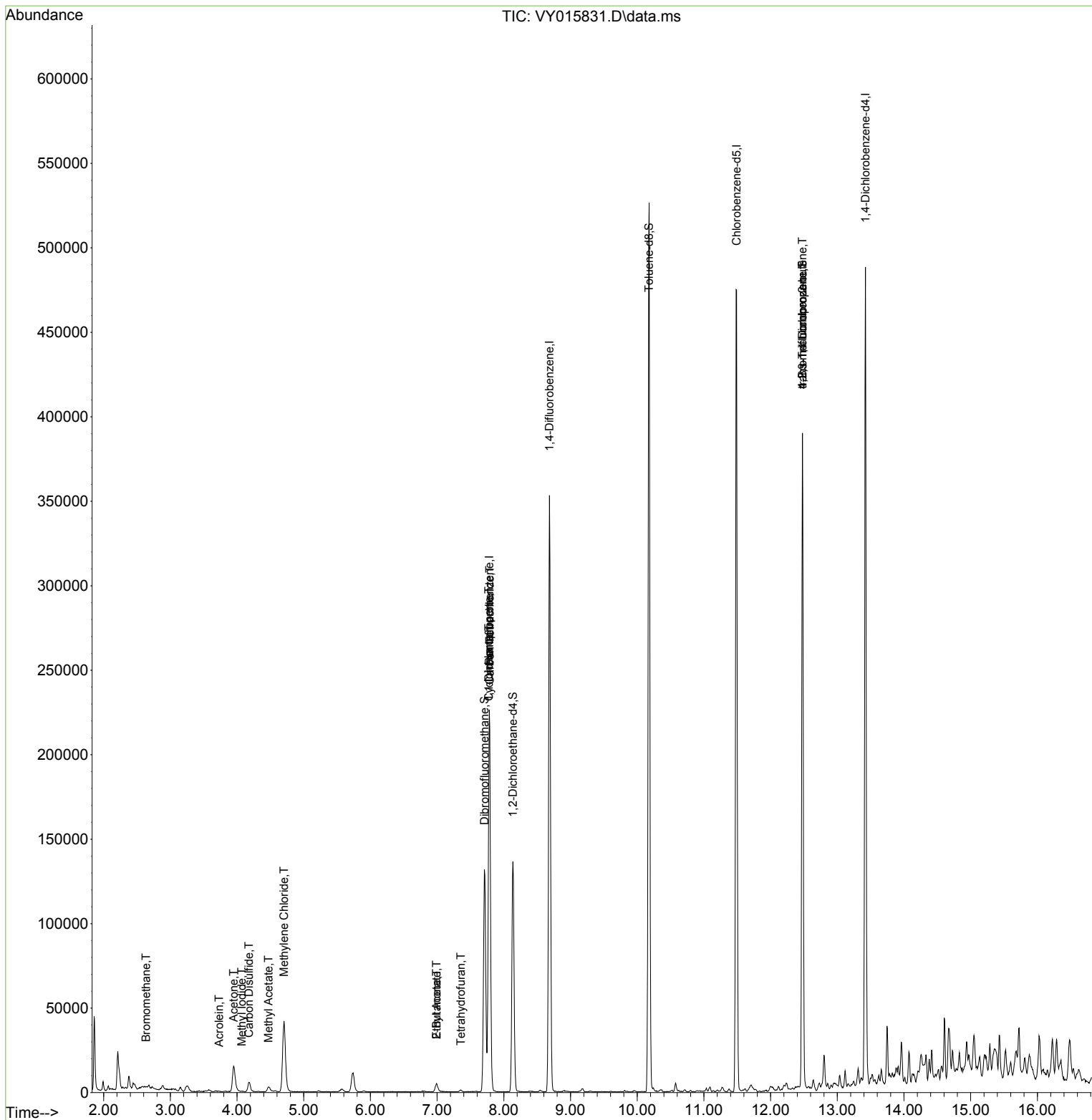
Quant Time: Oct 05 06:56:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

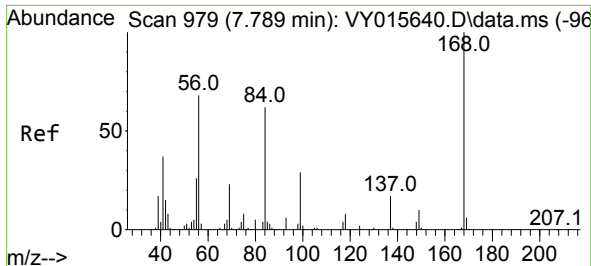
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	177055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	299867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106347	54.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.180%	
35) Dibromofluoromethane	7.710	113	92553	51.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.140%	
50) Toluene-d8	10.179	98	348614	57.286	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.580%	
62) 4-Bromofluorobenzene	12.477	95	116441	48.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.637	94	311	2.733	ug/l #	61
10) Methyl Iodide	4.070	142	101	2.775	ug/l #	91
11) Tert butyl alcohol	4.960	59	74	Below Cal	#	89
13) Acrolein	3.729	56	345	1.156	ug/l #	80
16) Acetone	3.948	43	29161	27.971	ug/l #	85
17) Carbon Disulfide	4.180	76	12170	4.022	ug/l	98
18) Methyl Acetate	4.472	43	6079	1.738	ug/l	97
20) Methylene Chloride	4.704	84	31074	9.710	ug/l	93
25) 2-Butanone	6.990	43	8768	5.950	ug/l	98
29) Tetrahydrofuran	7.356	42	839	1.007	ug/l #	65
31) Cyclohexane	7.777	56	3877	1.437	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13633	5.137	ug/l #	49
37) Ethyl Acetate	6.990	43	8768	3.312	ug/l #	71
38) Carbon Tetrachloride	7.789	117	17105	5.938	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	60893	31.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60893	70.739	ug/l #	11

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

Quant Time: Oct 05 06:56:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

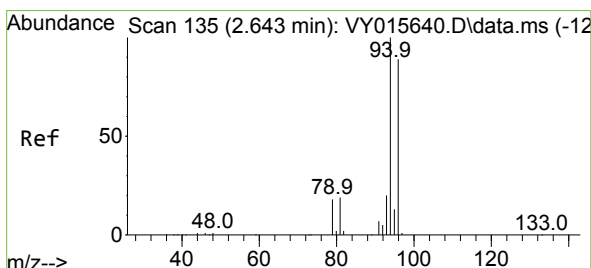
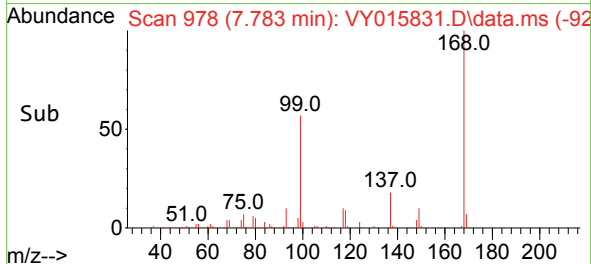
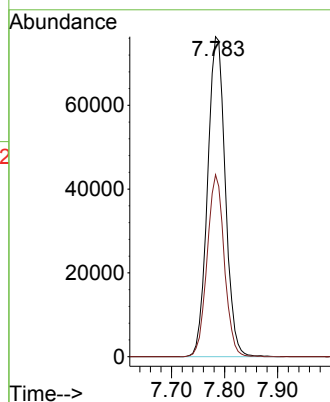
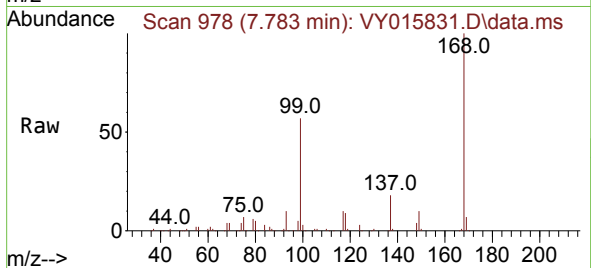




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

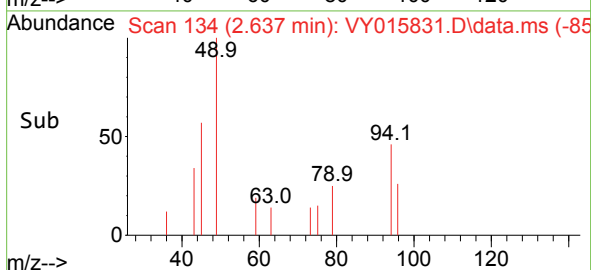
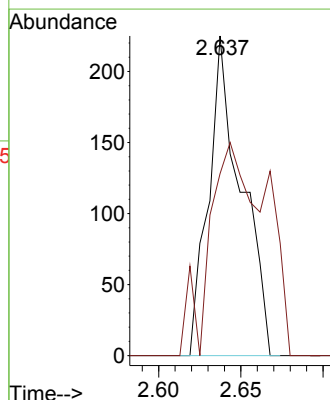
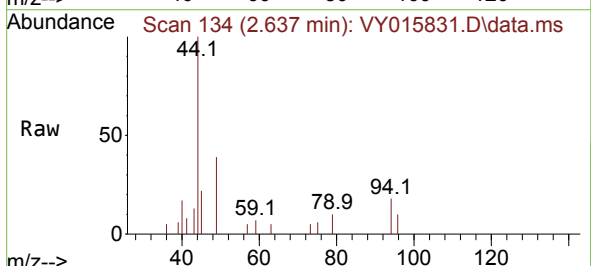
Instrument :
MSVOA_Y
ClientSampleId :

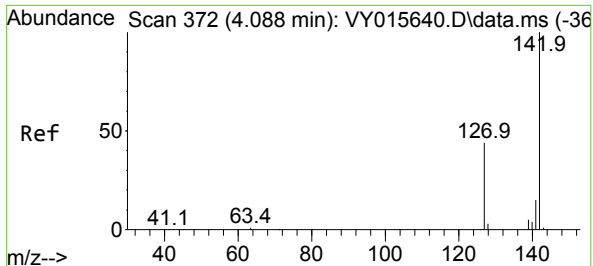
Tgt Ion:168 Resp: 177055
Ion Ratio Lower Upper
168 100
99 56.8 43.4 65.0



#5
Bromomethane
Concen: 2.733 ug/l
RT: 2.637 min Scan# 134
Delta R.T. 0.000 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 56.9 75.8 113.6#

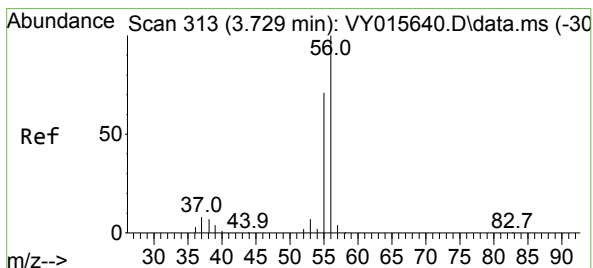
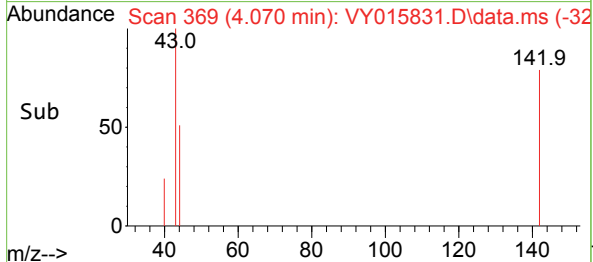
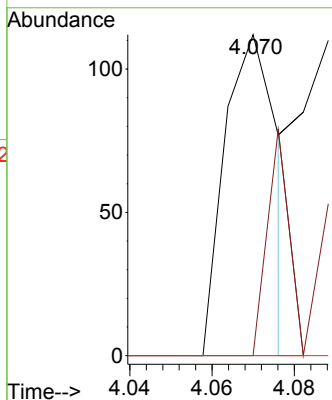
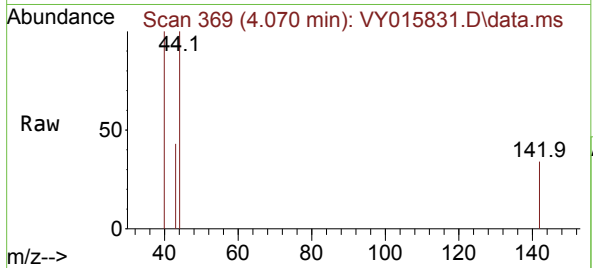




#10
Methyl Iodide
Concen: 2.775 ug/l
RT: 4.070 min Scan# 30
Delta R.T. -0.012 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

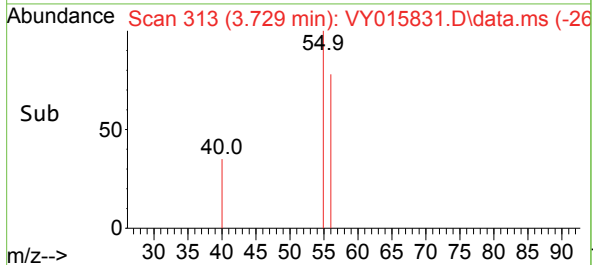
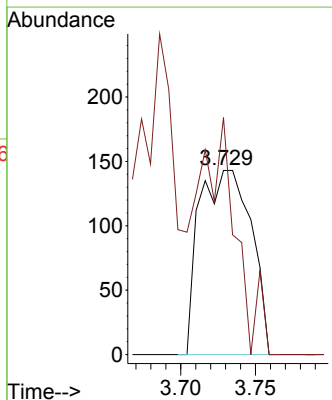
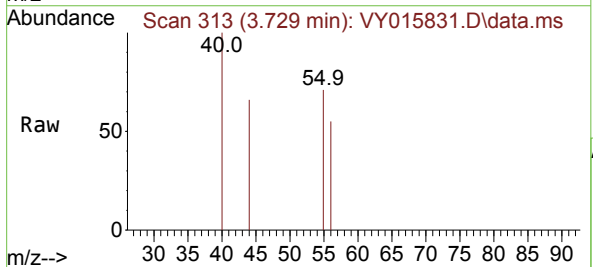
Instrument :
MSVOA_Y
ClientSampleId :

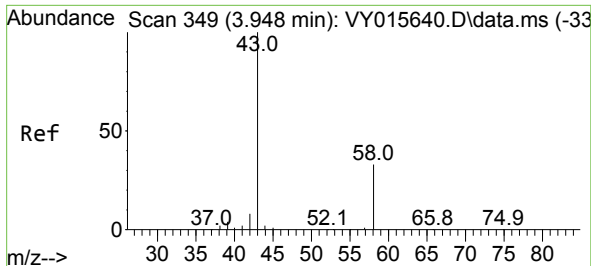
Tgt Ion:142 Resp: 101
Ion Ratio Lower Upper
142 100
127 47.5 37.6 56.4
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 1.156 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Tgt Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
55 88.1 57.0 85.4#





#16

Acetone

Concen: 27.971 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015831.D

Acq: 04 Oct 2023 16:36

Instrument :

MSVOA_Y

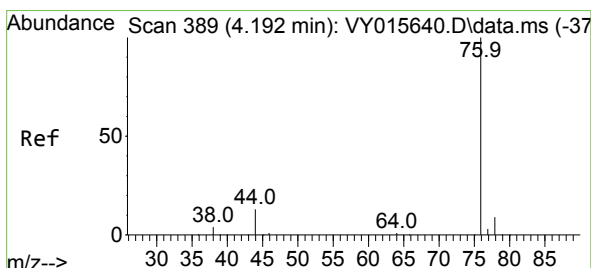
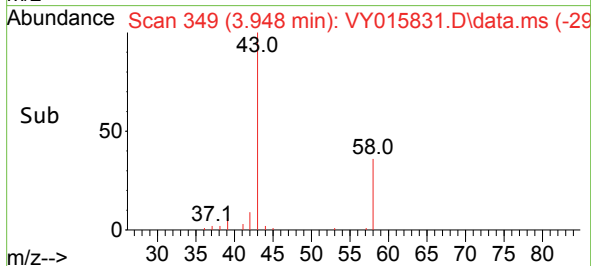
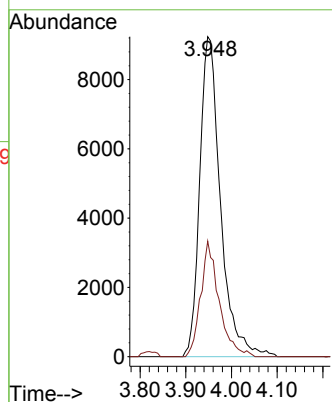
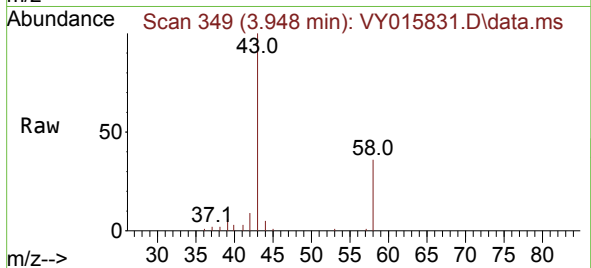
ClientSampleId :

Tgt Ion: 43 Resp: 29161

Ion Ratio Lower Upper

43 100

58 36.1 22.7 34.1#



#17

Carbon Disulfide

Concen: 4.022 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY015831.D

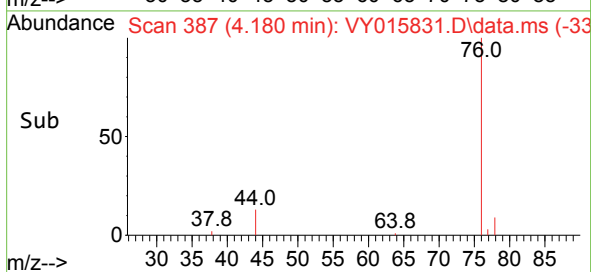
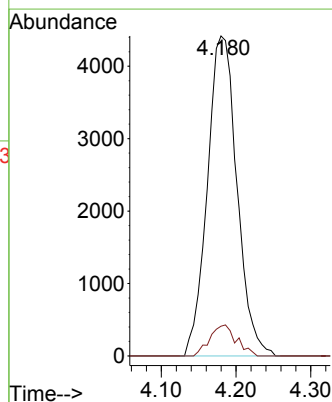
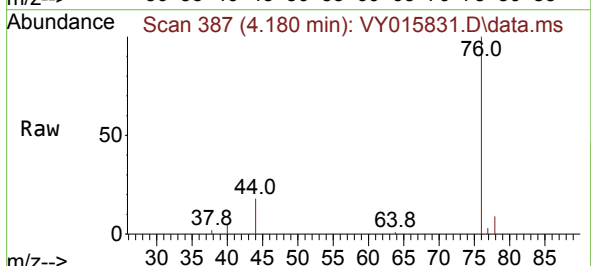
Acq: 04 Oct 2023 16:36

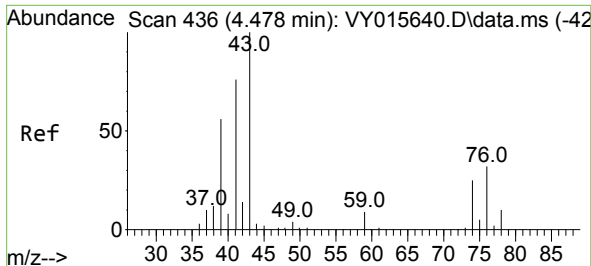
Tgt Ion: 76 Resp: 12170

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4





#18

Methyl Acetate

Concen: 1.738 ug/l

RT: 4.472 min Scan# 41

Delta R.T. 0.000 min

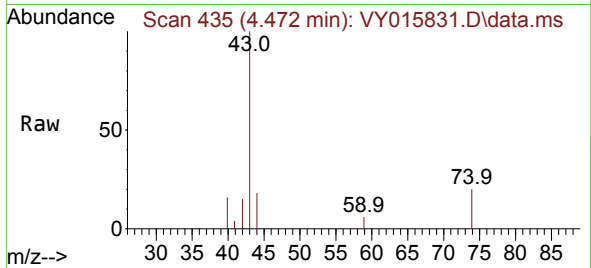
Lab File: VY015831.D

Acq: 04 Oct 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

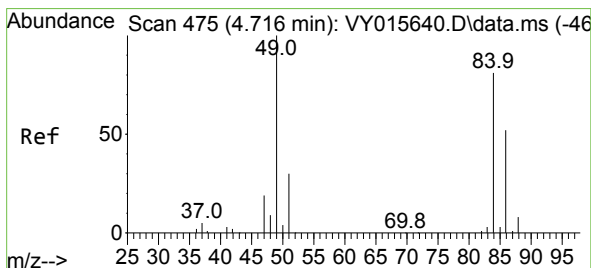
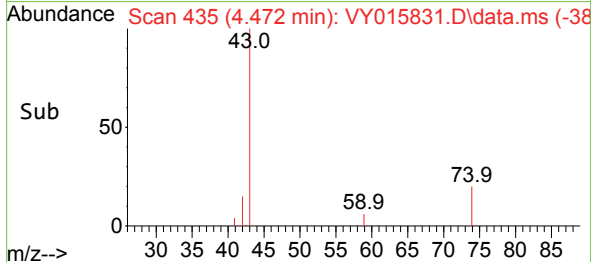
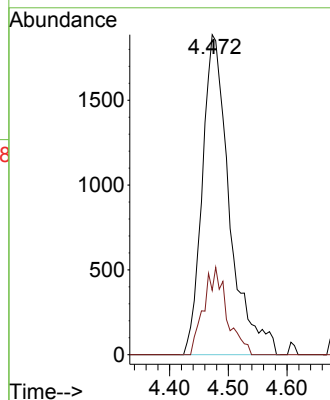


Tgt Ion: 43 Resp: 6079

Ion Ratio Lower Upper

43 100

74 23.1 17.4 26.0



#20

Methylene Chloride

Concen: 9.710 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY015831.D

Acq: 04 Oct 2023 16:36

Tgt Ion: 84 Resp: 31074

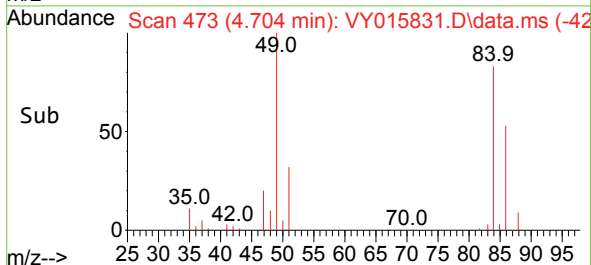
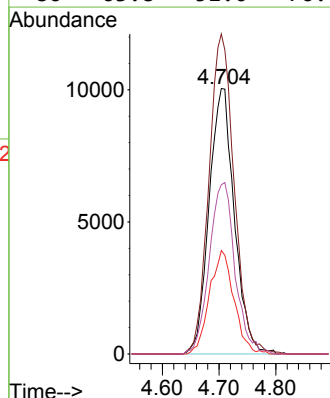
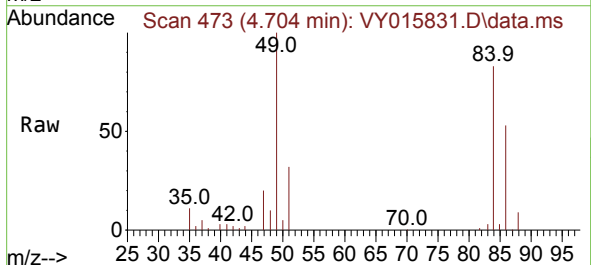
Ion Ratio Lower Upper

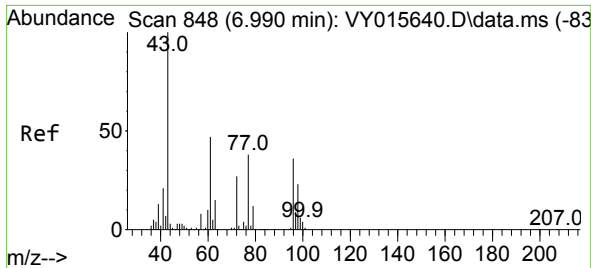
84 100

49 120.5 106.9 160.3

51 39.0 33.2 49.8

86 63.8 51.0 76.6

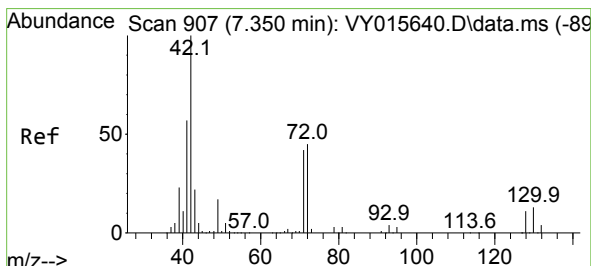
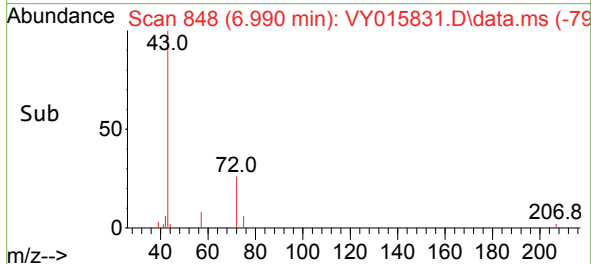
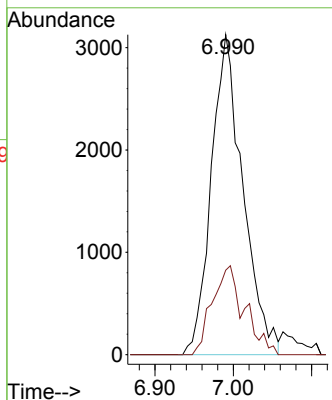
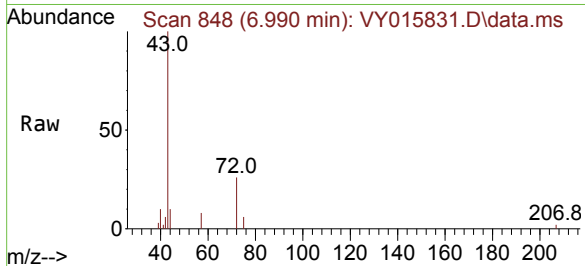




#25
2-Butanone
Concen: 5.950 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

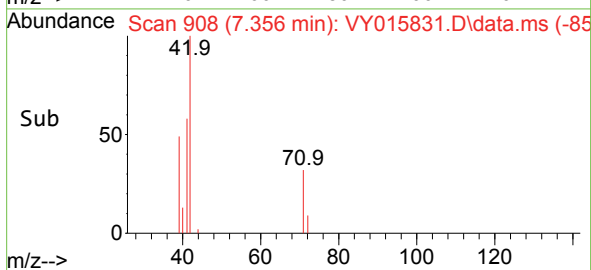
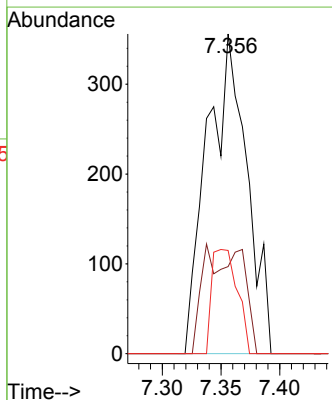
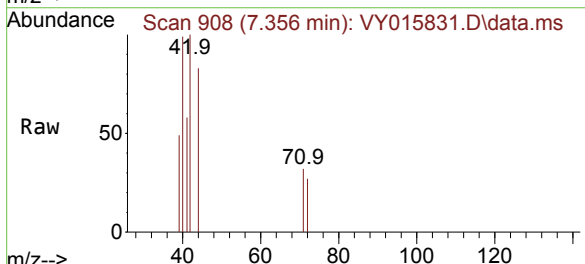
Instrument :
MSVOA_Y
ClientSampleId :

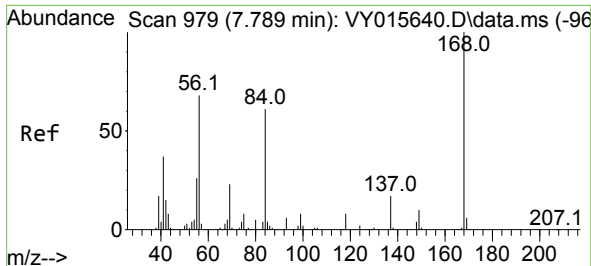
Tgt Ion: 43 Resp: 8768
Ion Ratio Lower Upper
43 100
72 26.4 20.5 30.7



#29
Tetrahydrofuran
Concen: 1.007 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

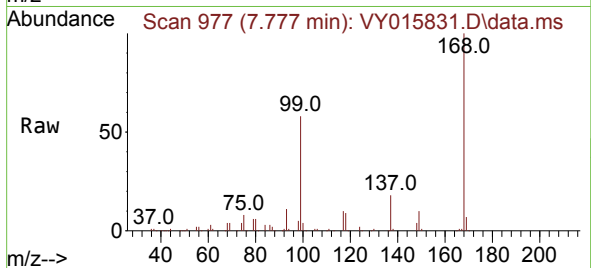
Tgt Ion: 42 Resp: 839
Ion Ratio Lower Upper
42 100
72 16.2 32.8 49.2#
71 20.7 31.0 46.4#



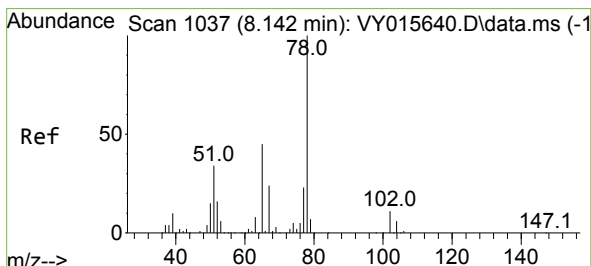
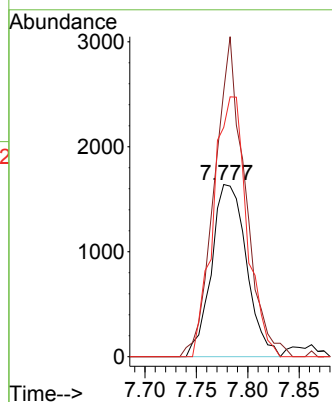
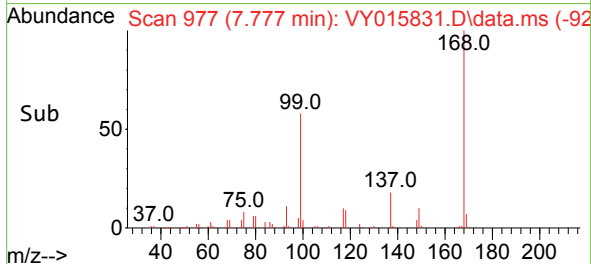


#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :

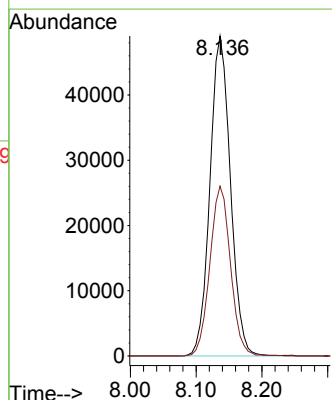
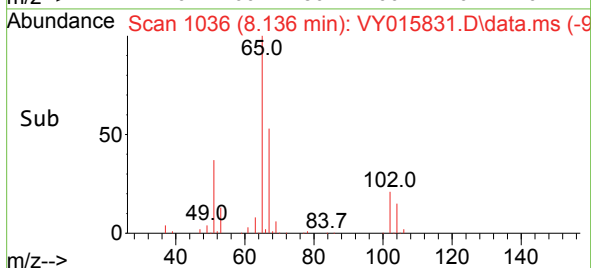
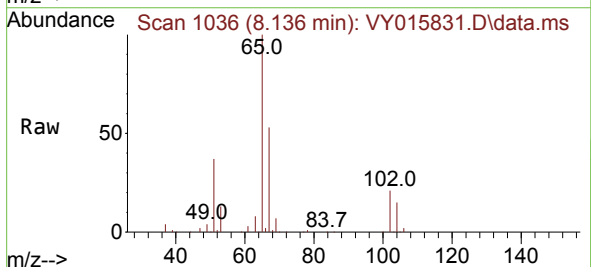


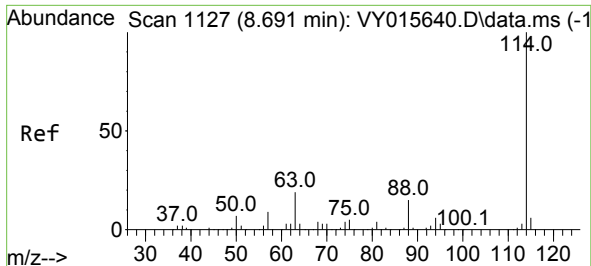
Tgt Ion: 56 Resp: 3877
Ion Ratio Lower Upper
56 100
69 154.3 27.8 41.6#
84 133.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.590 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Tgt Ion: 65 Resp: 106347
Ion Ratio Lower Upper
65 100
67 53.4 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: VY015831.D

Acq: 04 Oct 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

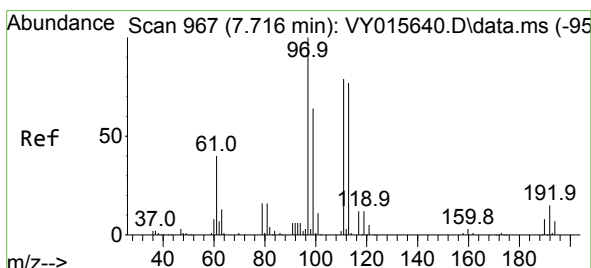
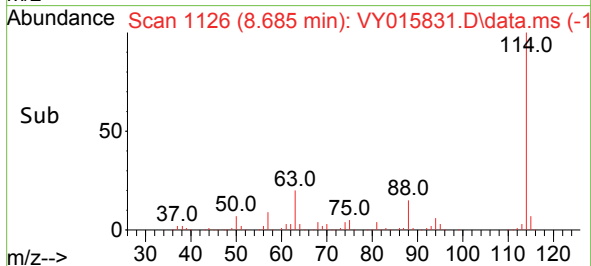
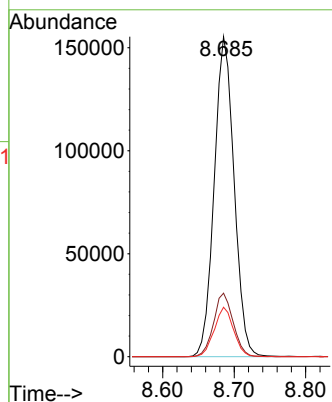
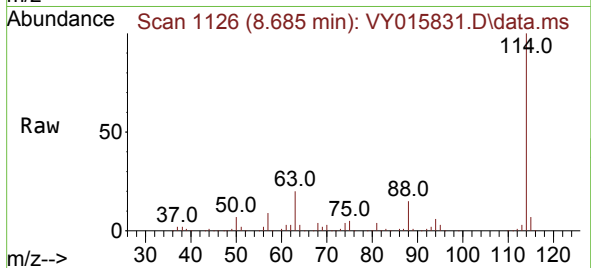
Tgt Ion:114 Resp: 299867

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.567 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015831.D

Acq: 04 Oct 2023 16:36

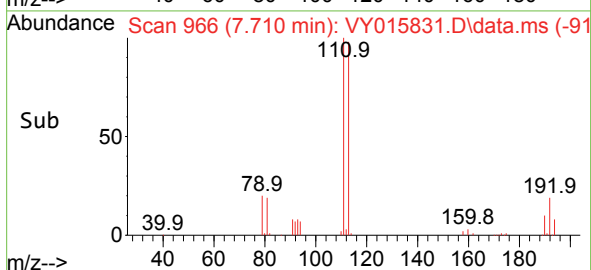
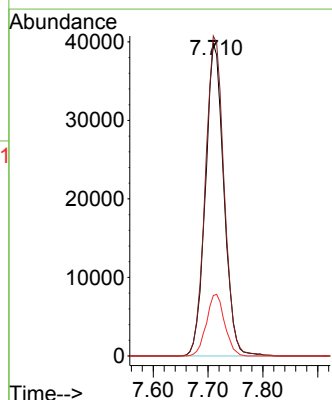
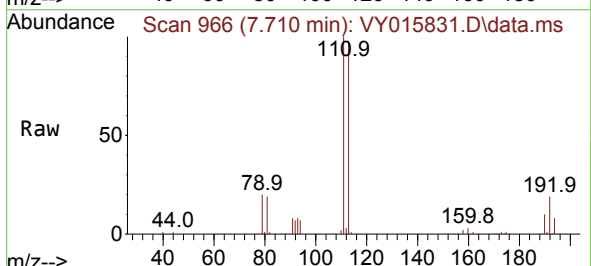
Tgt Ion:113 Resp: 92553

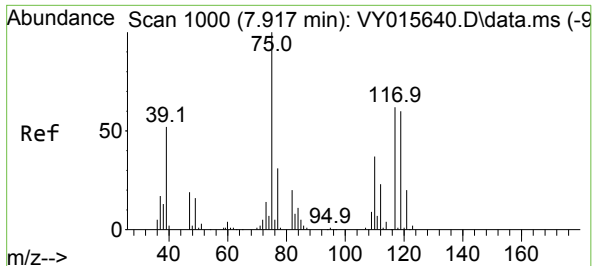
Ion Ratio Lower Upper

113 100

111 104.5 81.3 121.9

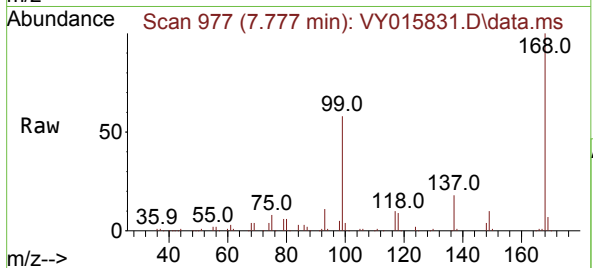
192 19.6 16.9 25.3



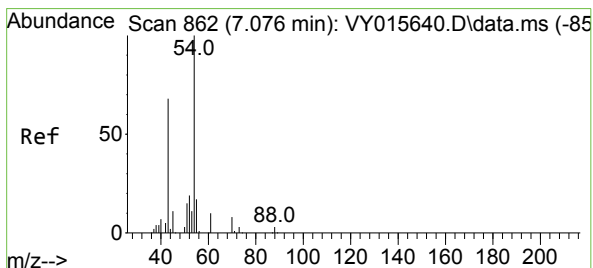
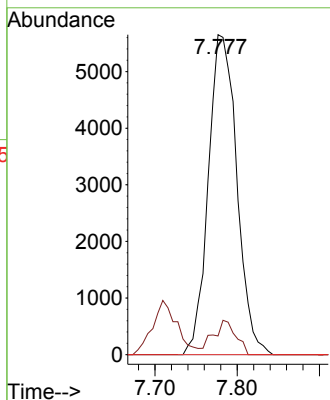
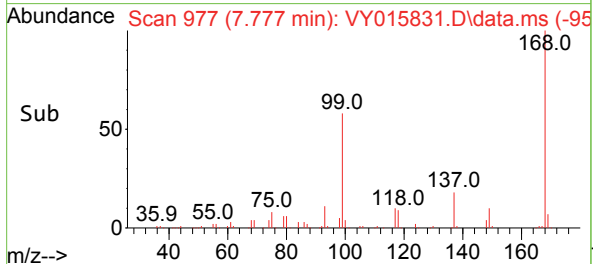


#36
1,1-Dichloropropene
Concen: 5.137 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :

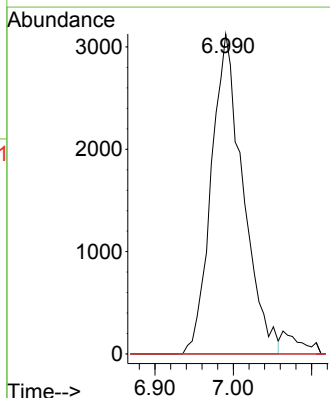
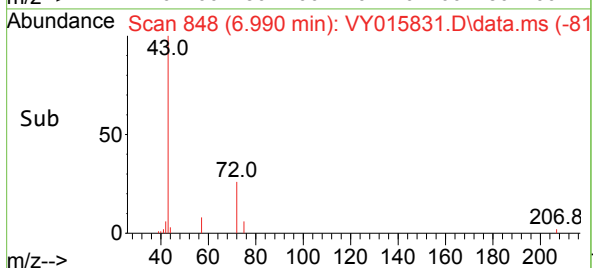
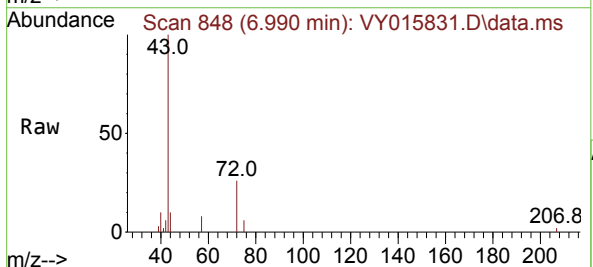


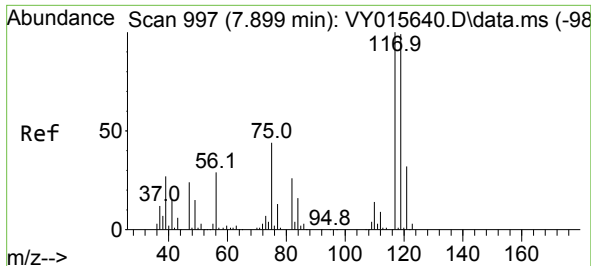
Tgt Ion: 75 Resp: 13633
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.312 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.073 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

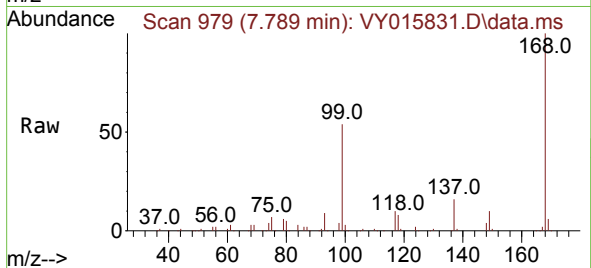
Tgt Ion: 43 Resp: 8768
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



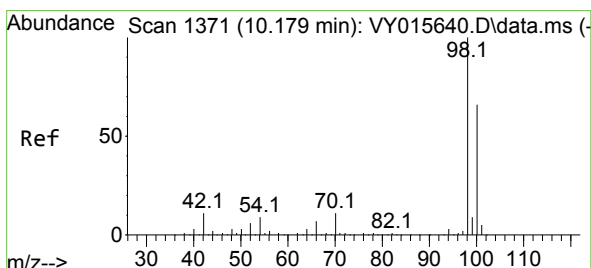
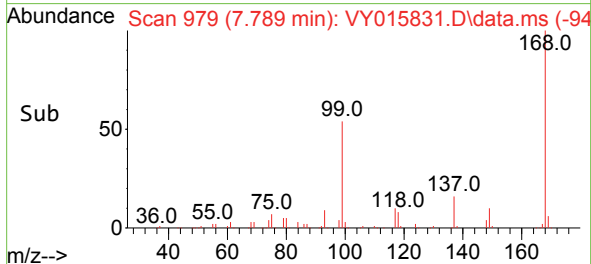
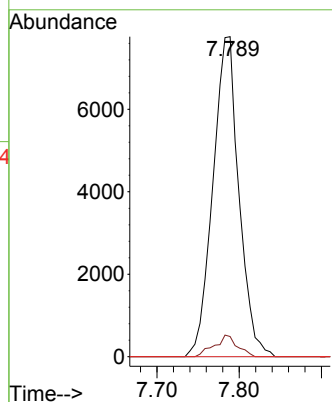


#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :

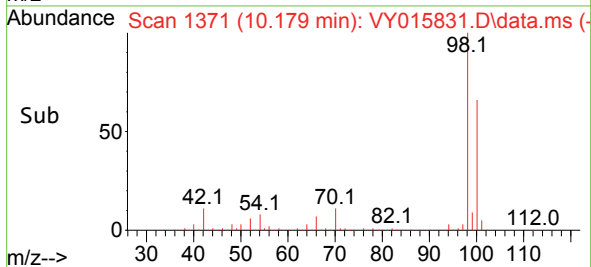
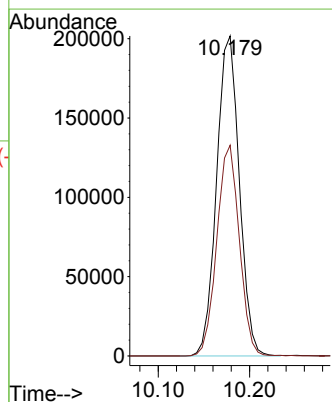
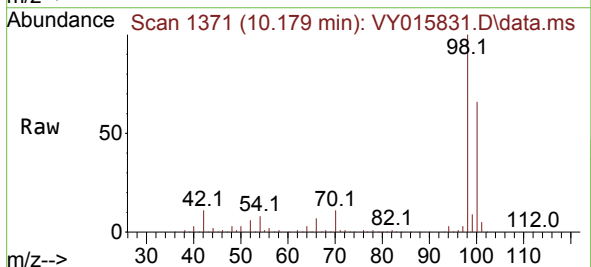


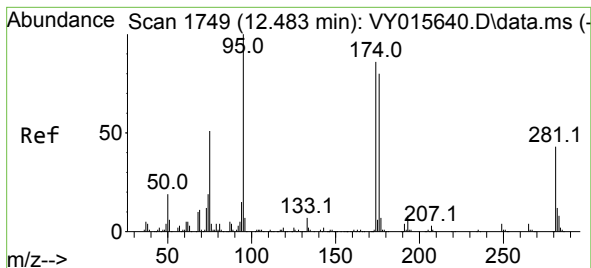
Tgt Ion:117 Resp: 17105
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 57.286 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Tgt Ion: 98 Resp: 348614
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

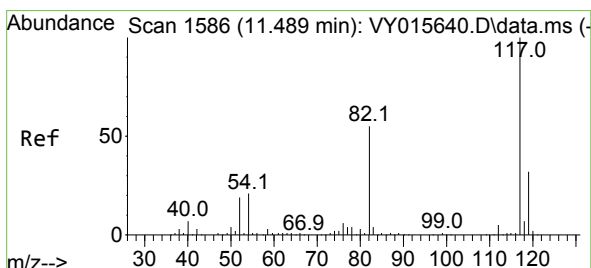
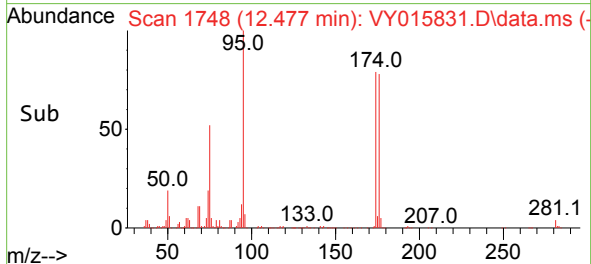
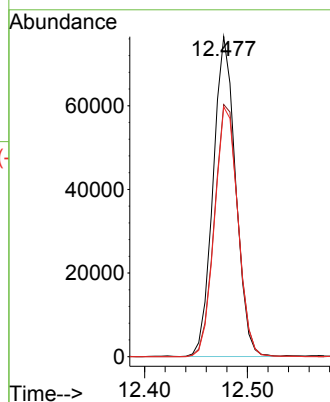
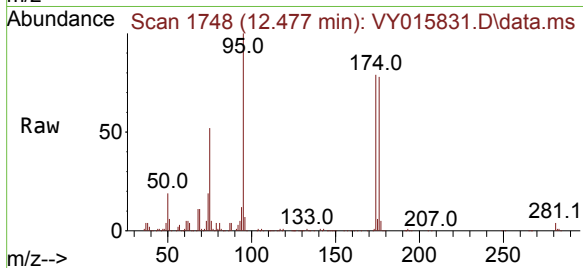




#62
4-Bromofluorobenzene
Concen: 48.757 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

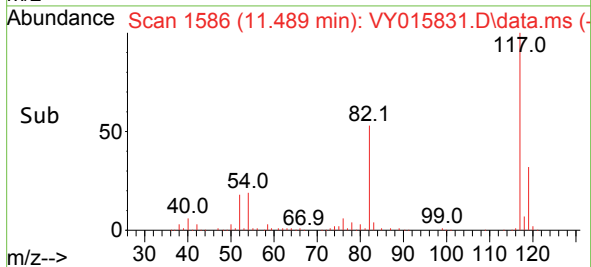
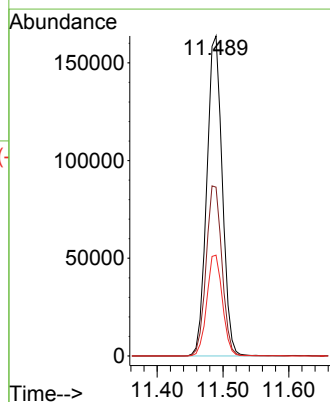
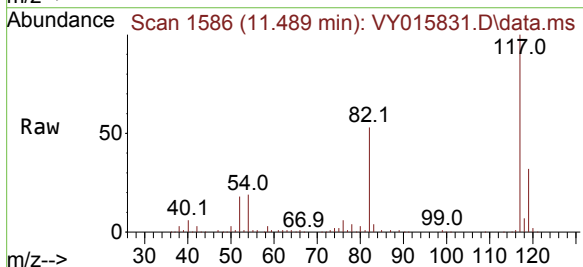
Instrument :
MSVOA_Y
ClientSampleId :

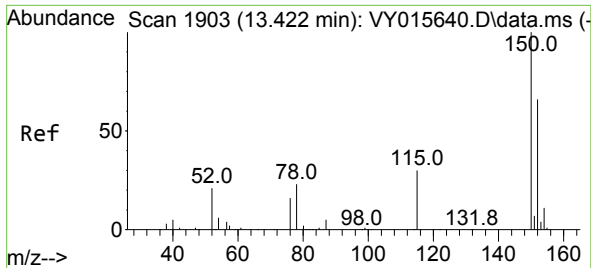
Tgt Ion: 95 Resp: 116441
Ion Ratio Lower Upper
95 100
174 82.7 0.0 178.2
176 81.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015831.D
Acq: 04 Oct 2023 16:36

Tgt Ion: 117 Resp: 268180
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.5 26.3 39.5

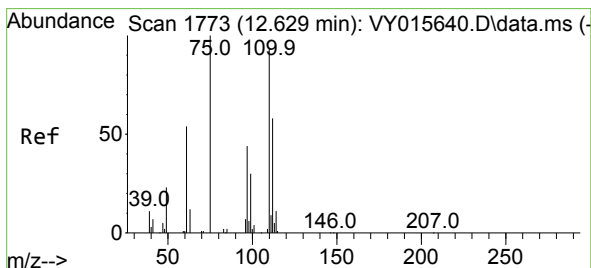
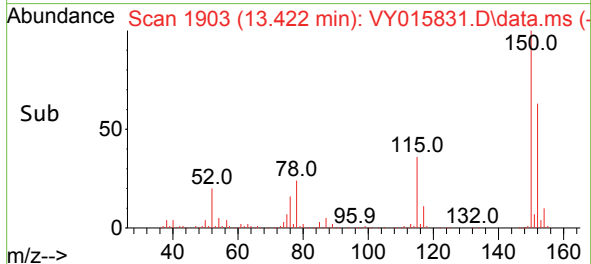
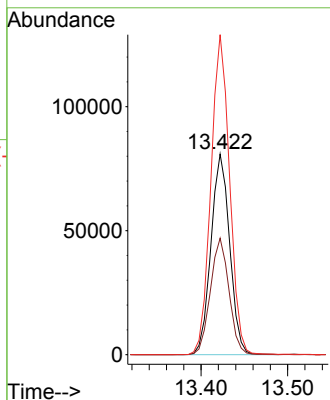
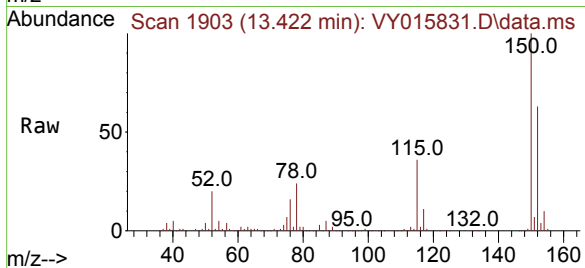




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015831.D
 Acq: 04 Oct 2023 16:36

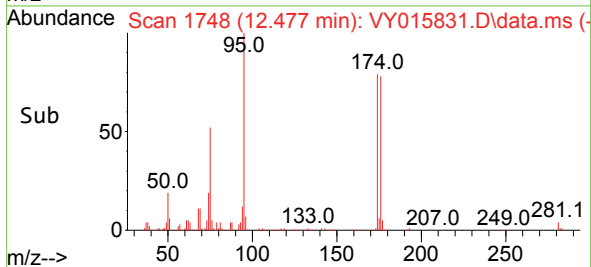
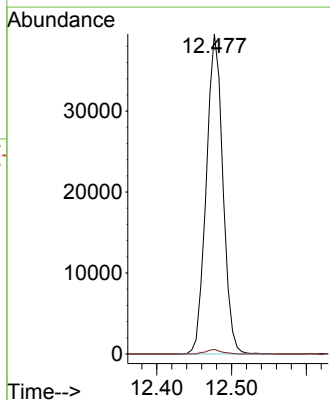
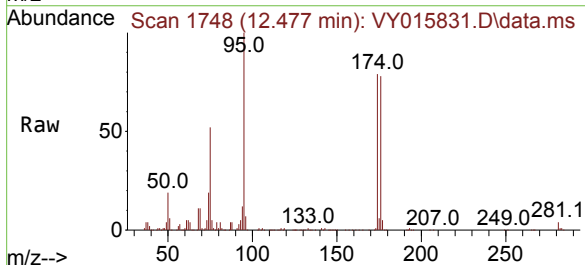
Instrument :
 MSVOA_Y
 ClientSampleId :

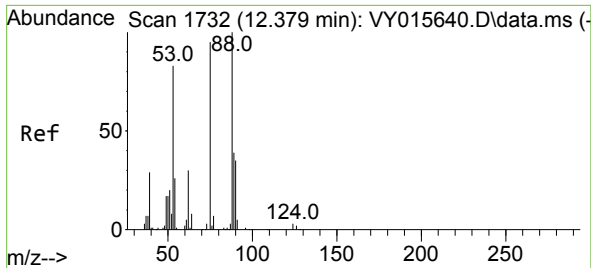
Tgt Ion:152 Resp: 121508
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 159.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 31.413 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015831.D
 Acq: 04 Oct 2023 16:36

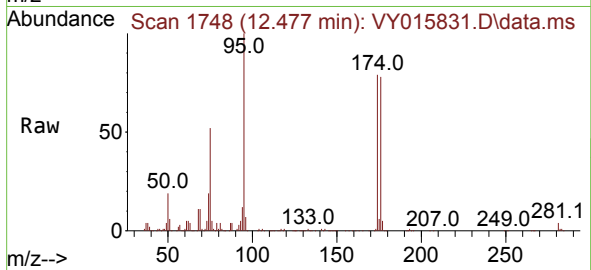
Tgt Ion: 75 Resp: 60893
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.739 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015831.D
 Acq: 04 Oct 2023 16:36

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 60893
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.1 37.4 56.0#

