

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015828.D
 Acq On : 04 Oct 2023 15:25
 Operator : SY/MD
 Sample : 04714-07
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:55:04 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)

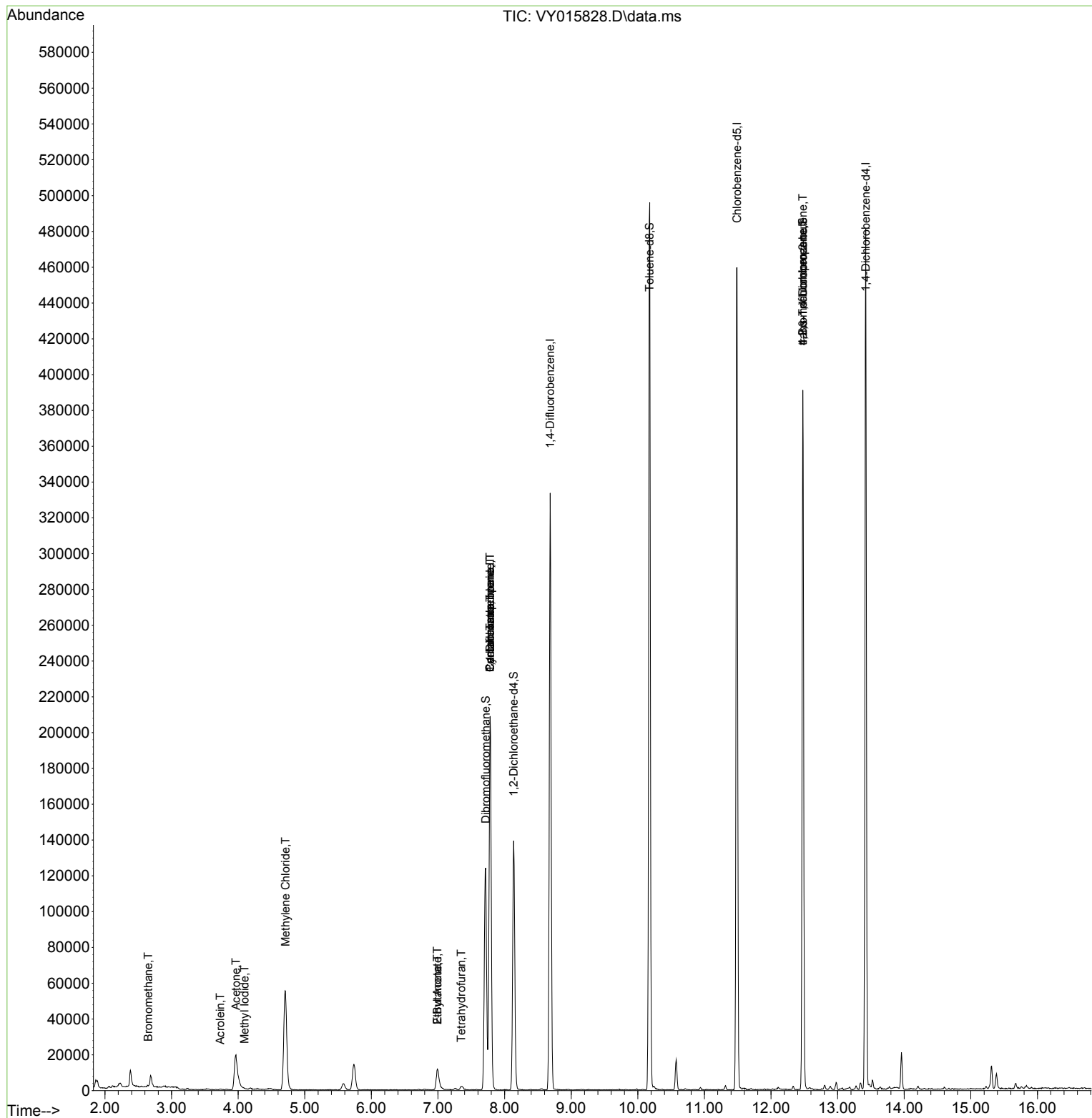
Internal Standards						
1) Pentafluorobenzene	7.783	168	161722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	279813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	258767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108867	61.182	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.360%	
35) Dibromofluoromethane	7.716	113	89199	53.260	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.520%	
50) Toluene-d8	10.179	98	329051	57.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.900%	
62) 4-Bromofluorobenzene	12.477	95	112698	50.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	202	2.682	ug/l #	42
10) Methyl Iodide	4.095	142	72	2.765	ug/l #	38
11) Tert butyl alcohol	4.966	59	26	Below Cal	#	89
13) Acrolein	3.729	56	275	1.009	ug/l #	69
16) Acetone	3.966	43	48070	50.480	ug/l	93
20) Methylene Chloride	4.710	84	43270	17.614	ug/l	91
25) 2-Butanone	6.990	43	22202	16.495	ug/l	98
29) Tetrahydrofuran	7.350	42	1742	2.290	ug/l	92
31) Cyclohexane	7.783	56	3400	1.379	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12448	5.027	ug/l #	50
37) Ethyl Acetate	6.990	43	22202	8.989	ug/l #	71
38) Carbon Tetrachloride	7.783	117	16307	6.067	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	60100	31.459	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60100	70.844	ug/l #	11

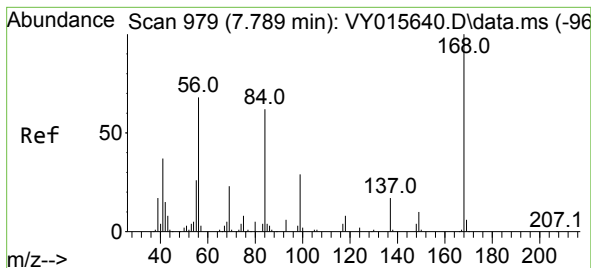
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015828.D

Acq: 04 Oct 2023 15:25

Instrument :

MSVOA_Y

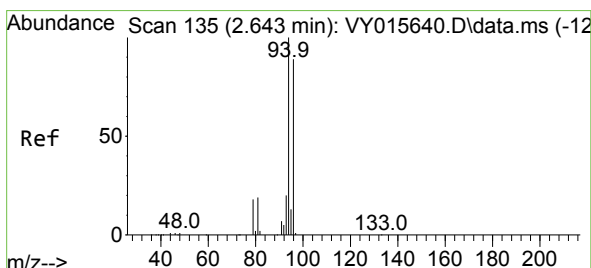
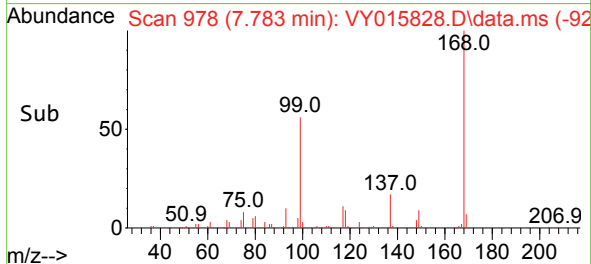
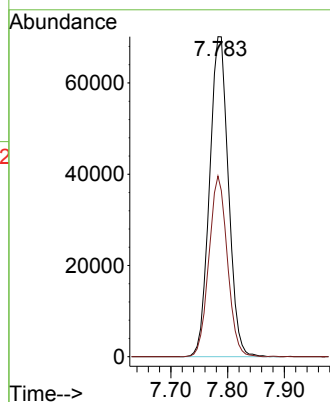
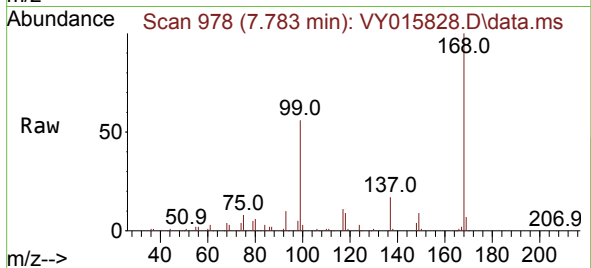
ClientSampleId :

Tgt Ion:168 Resp: 161722

Ion Ratio Lower Upper

168 100

99 56.4 43.4 65.0



#5

Bromomethane

Concen: 2.682 ug/l

RT: 2.650 min Scan# 136

Delta R.T. 0.013 min

Lab File: VY015828.D

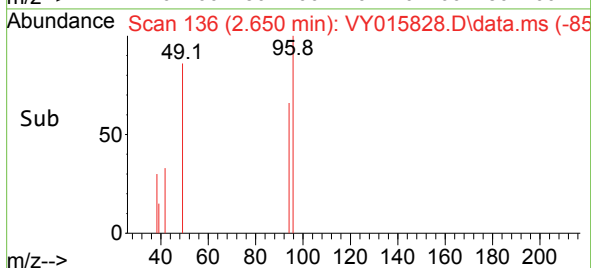
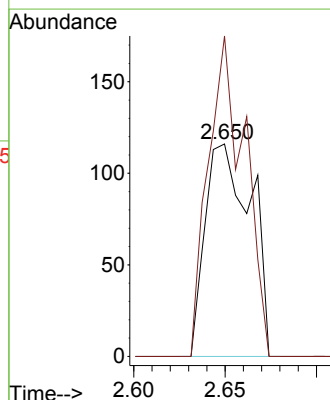
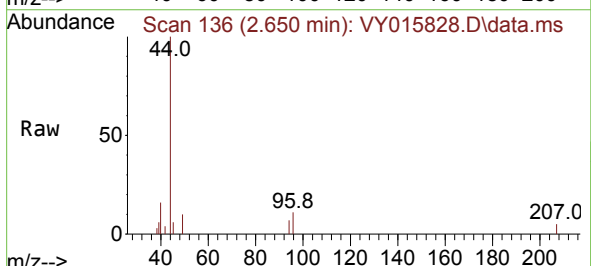
Acq: 04 Oct 2023 15:25

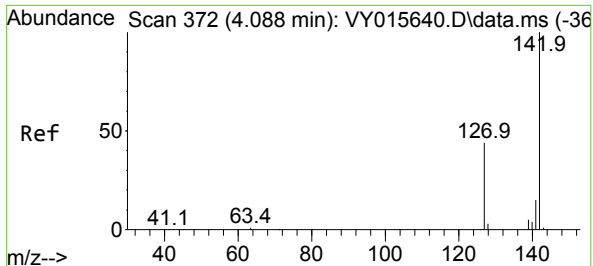
Tgt Ion: 94 Resp: 202

Ion Ratio Lower Upper

94 100

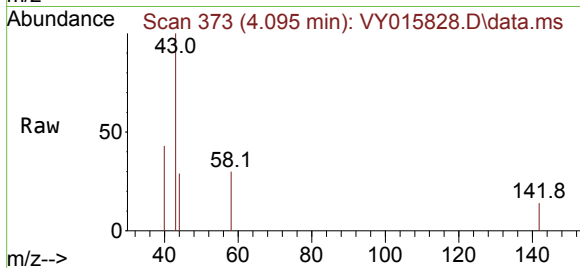
96 150.9 75.8 113.6#



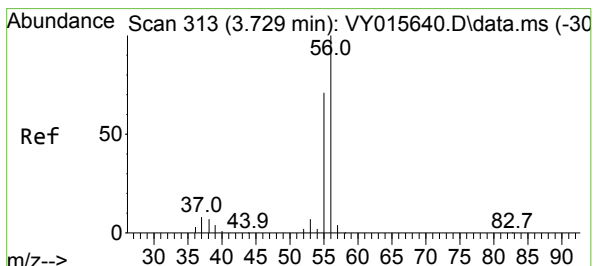
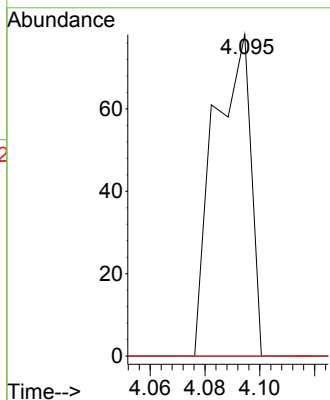
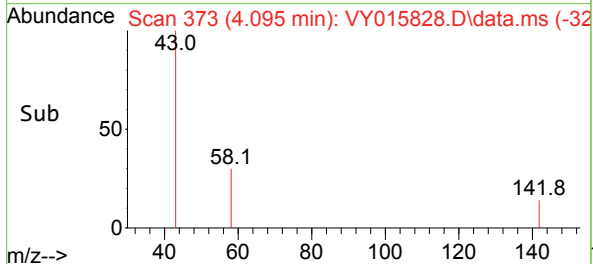


#10
Methyl Iodide
Concen: 2.765 ug/l
RT: 4.095 min Scan# 313
Delta R.T. 0.013 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Instrument :
MSVOA_Y
ClientSampleId :

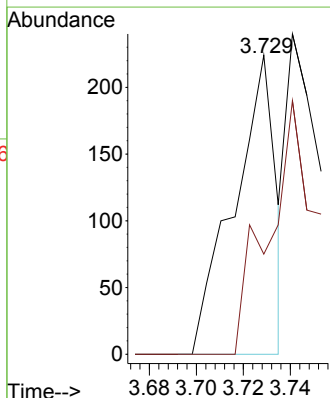
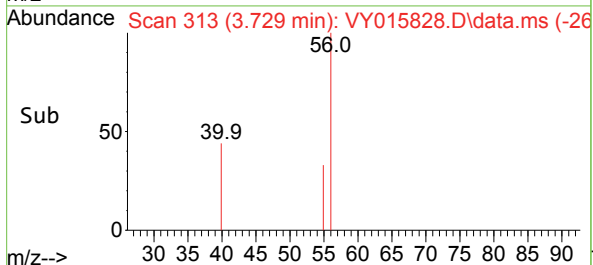
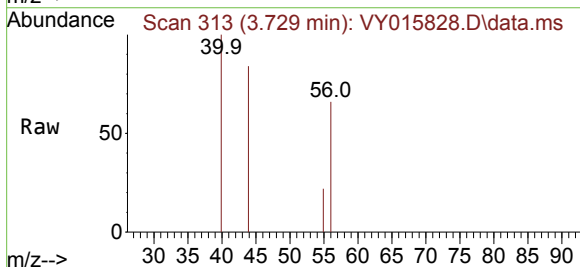


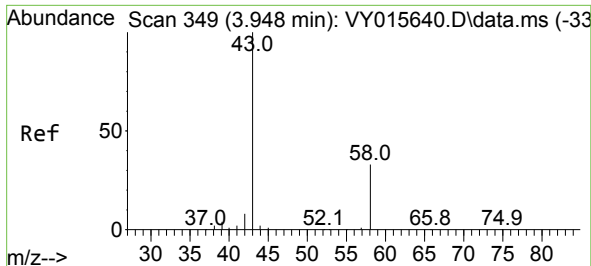
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 1.009 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 96.7 57.0 85.4#

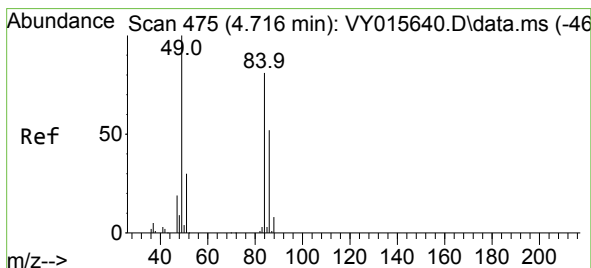
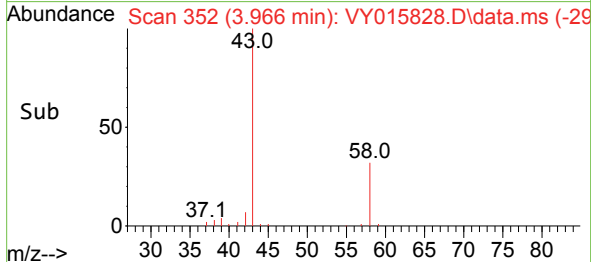
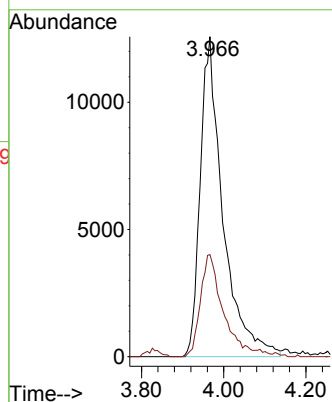
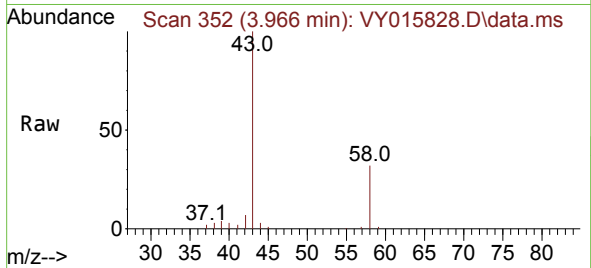




#16
Acetone
Concen: 50.480 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

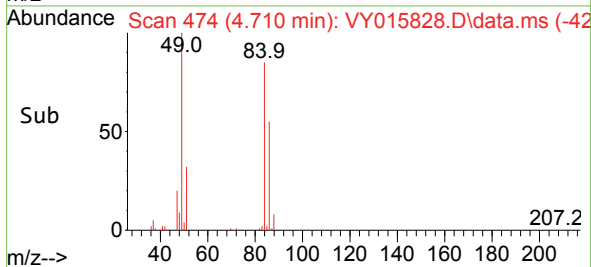
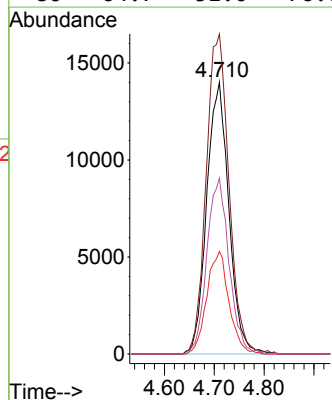
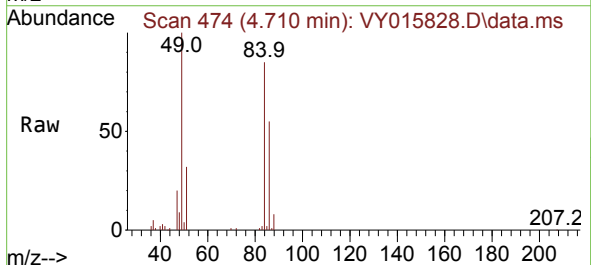
Instrument :
MSVOA_Y
ClientSampleId :

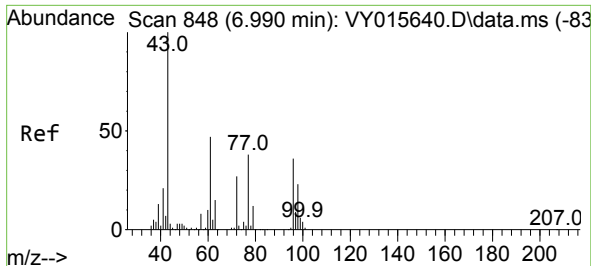
Tgt Ion: 43 Resp: 48070
Ion Ratio Lower Upper
43 100
58 31.9 22.7 34.1



#20
Methylene Chloride
Concen: 17.614 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

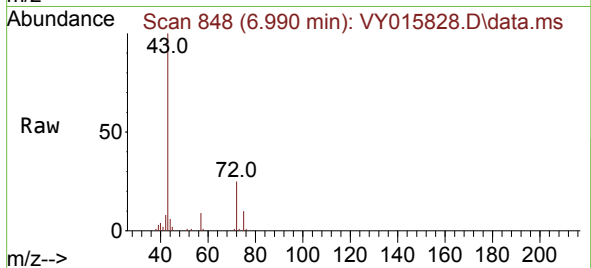
Tgt Ion: 84 Resp: 43270
Ion Ratio Lower Upper
84 100
49 117.8 106.9 160.3
51 37.7 33.2 49.8
86 64.7 51.0 76.6



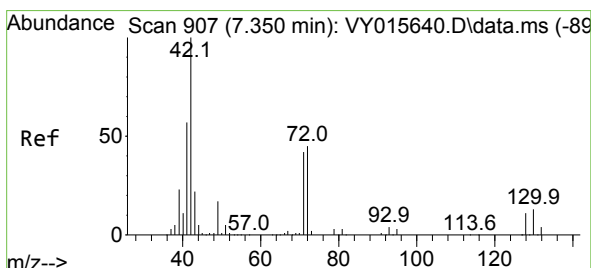
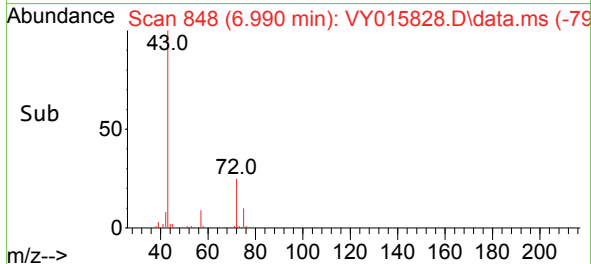
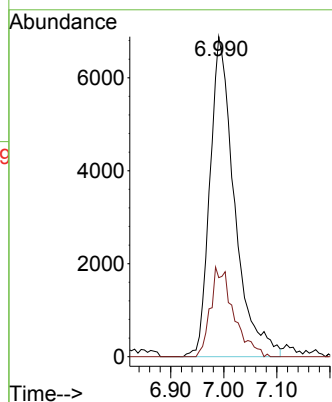


#25
2-Butanone
Concen: 16.495 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Instrument :
MSVOA_Y
ClientSampleId :

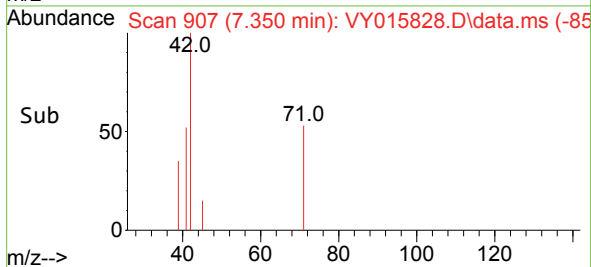
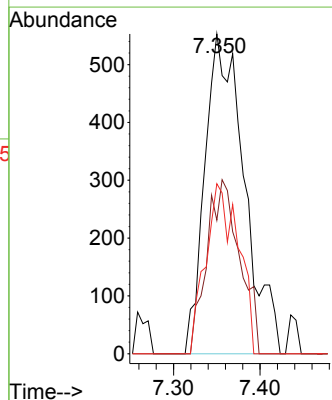
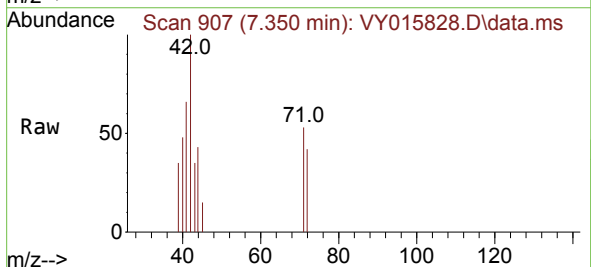


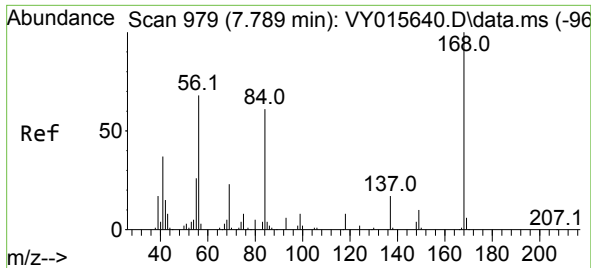
Tgt Ion: 43 Resp: 22202
Ion Ratio Lower Upper
43 100
72 24.7 20.5 30.7



#29
Tetrahydrofuran
Concen: 2.290 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

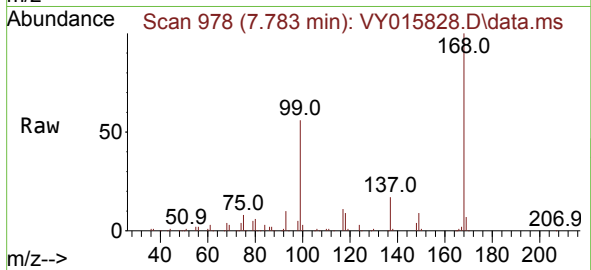
Tgt Ion: 42 Resp: 1742
Ion Ratio Lower Upper
42 100
72 45.5 32.8 49.2
71 44.4 31.0 46.4



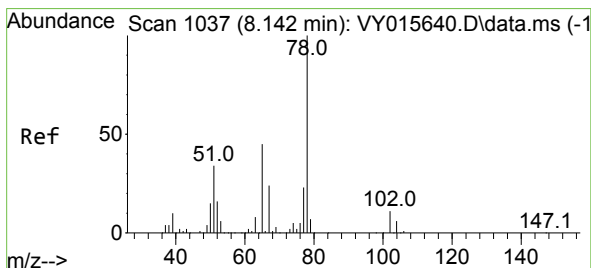
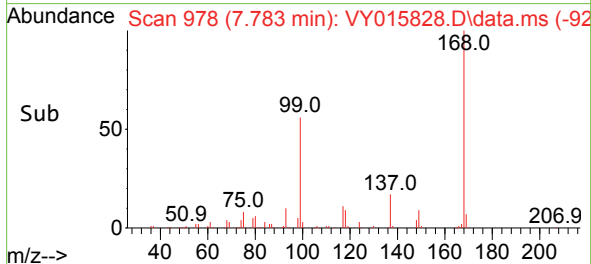
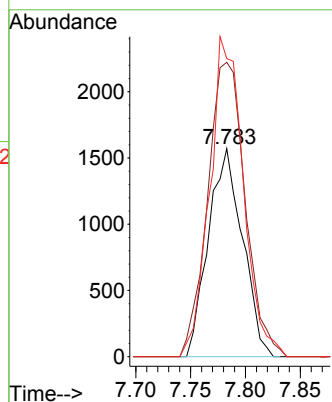


#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Instrument :
MSVOA_Y
ClientSampleId :

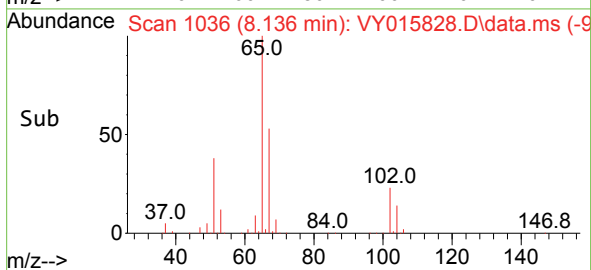
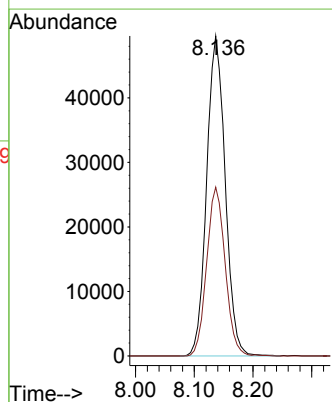
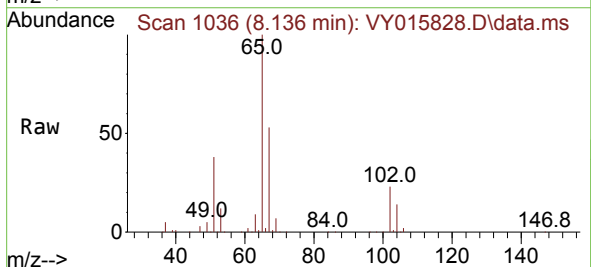


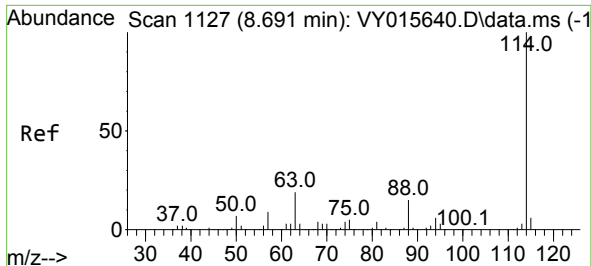
Tgt Ion	Ratio	Lower	Upper
56	100		
69	141.6	27.8	41.6#
84	143.4	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.182 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	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: VY015828.D

Acq: 04 Oct 2023 15:25

Instrument :

MSVOA_Y

ClientSampleId :

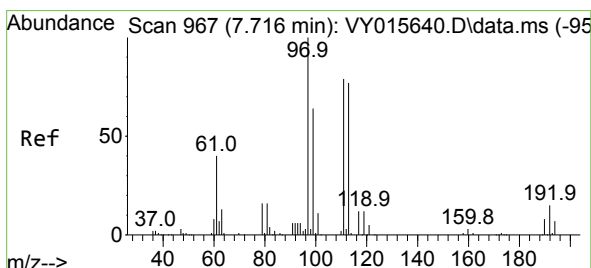
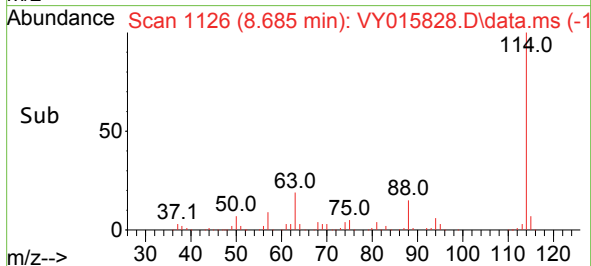
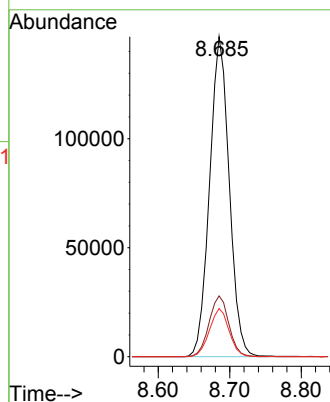
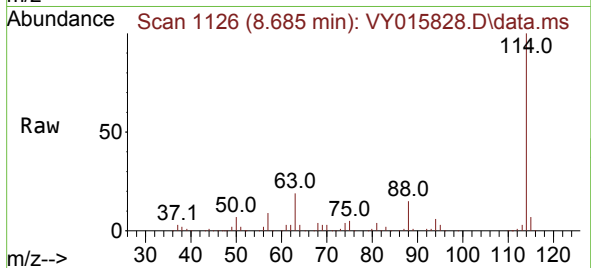
Tgt Ion:114 Resp: 279813

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.260 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015828.D

Acq: 04 Oct 2023 15:25

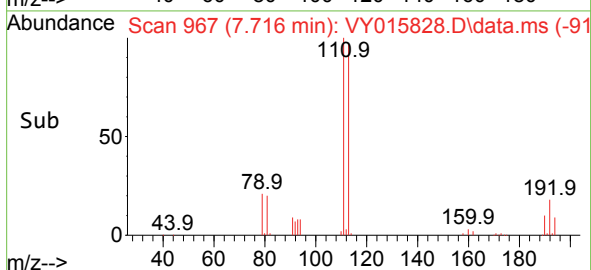
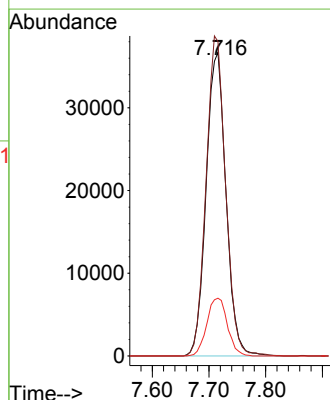
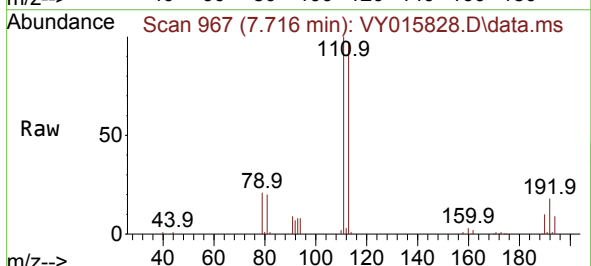
Tgt Ion:113 Resp: 89199

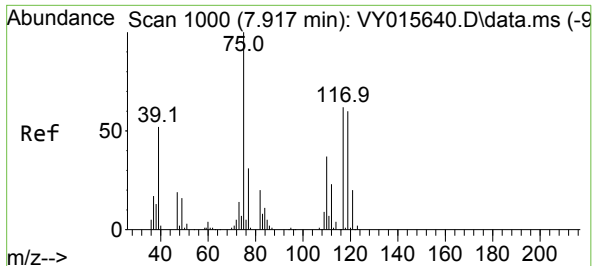
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

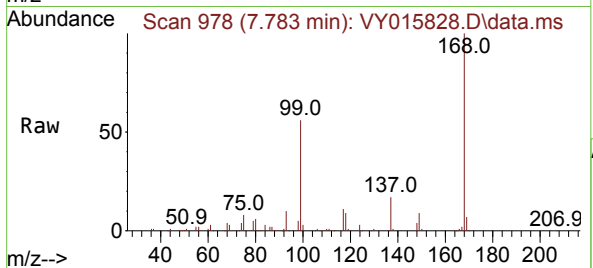
192 19.7 16.9 25.3



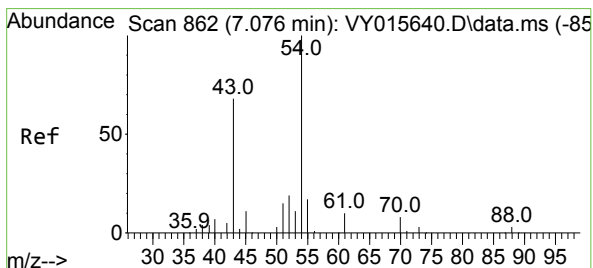
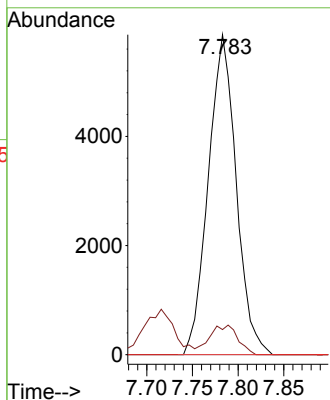
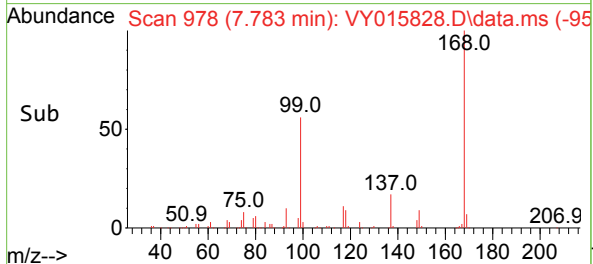


#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015828.D
 Acq: 04 Oct 2023 15:25

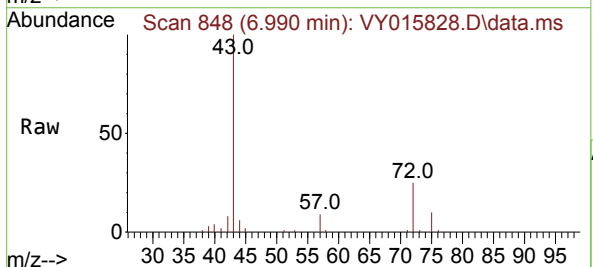
Instrument :
 MSVOA_Y
 ClientSampleId :



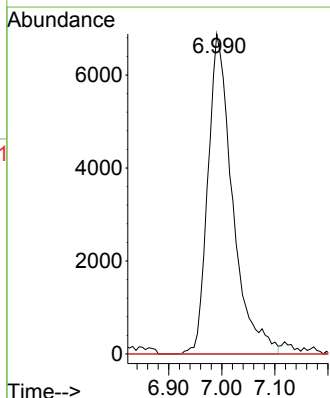
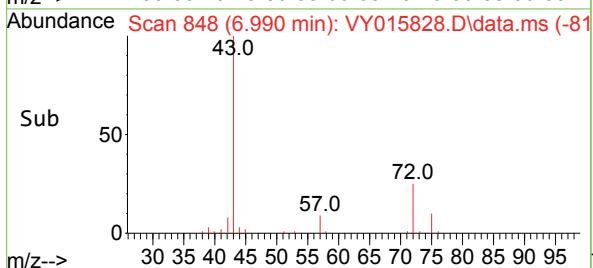
Tgt Ion: 75 Resp: 12448
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.8 53.5#
 77 0.0 24.4 36.6#

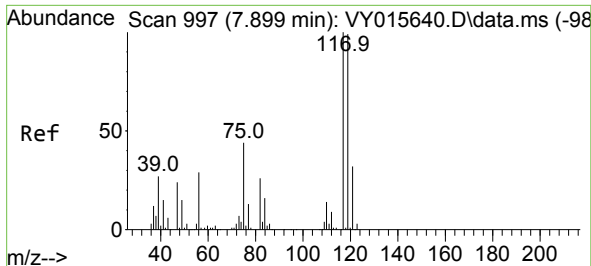


#37
 Ethyl Acetate
 Concen: 8.989 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. -0.073 min
 Lab File: VY015828.D
 Acq: 04 Oct 2023 15:25



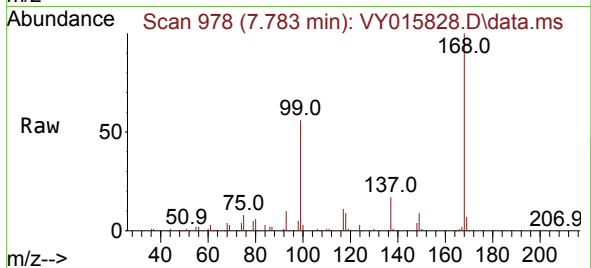
Tgt Ion: 43 Resp: 22202
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



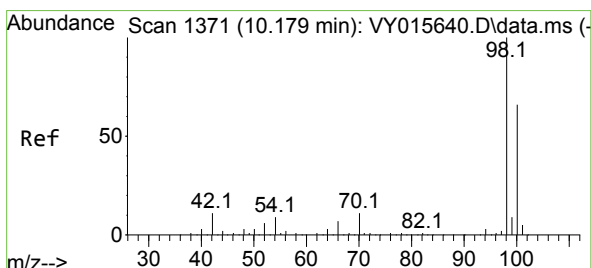
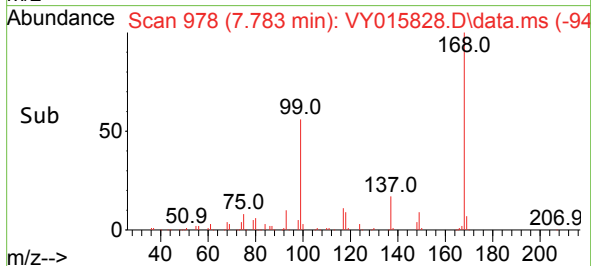
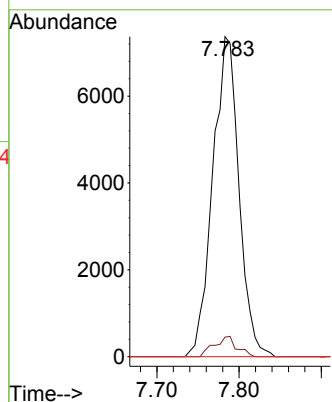


#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Instrument :
MSVOA_Y
ClientSampleId :

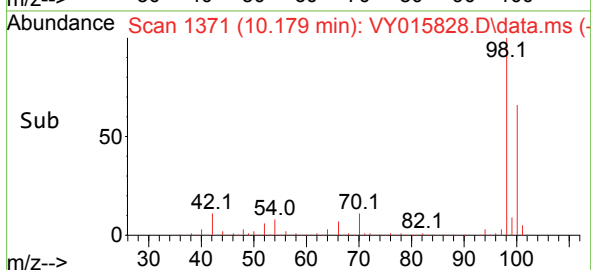
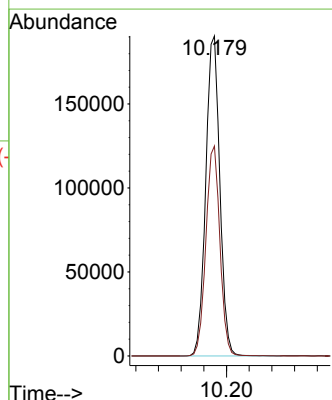
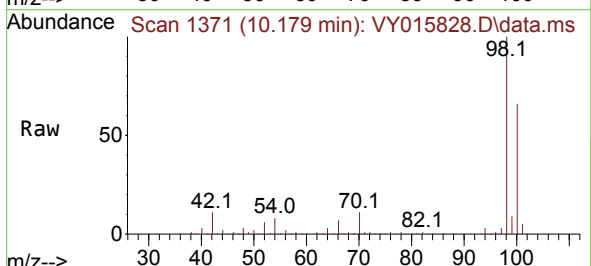


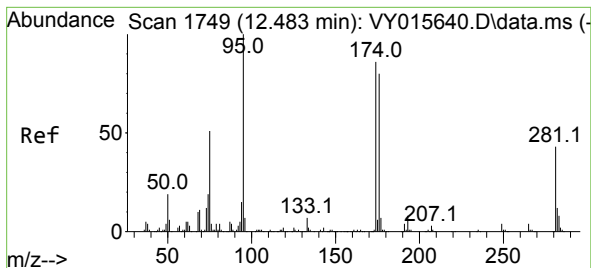
Tgt Ion:117 Resp: 16307
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 57.946 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Tgt Ion: 98 Resp: 329051
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

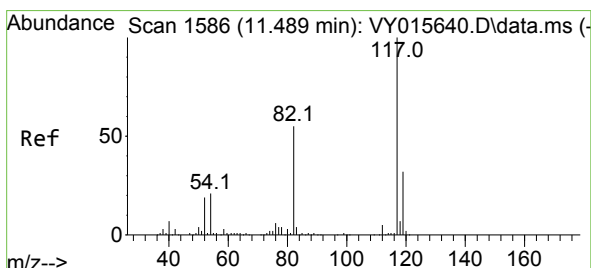
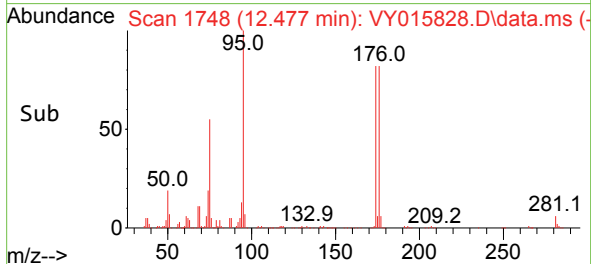
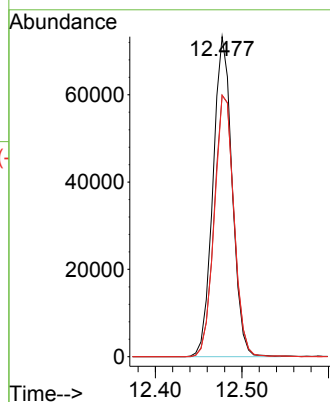
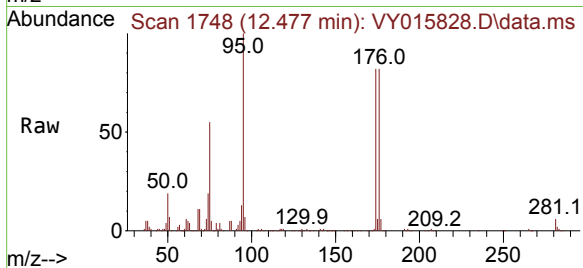




#62
4-Bromofluorobenzene
Concen: 50.572 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

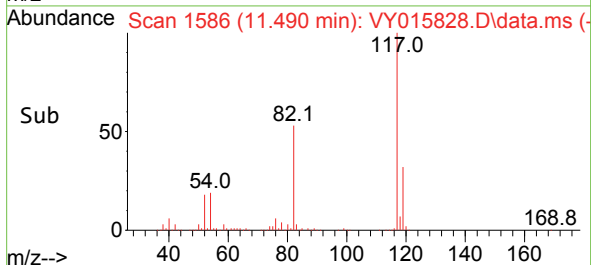
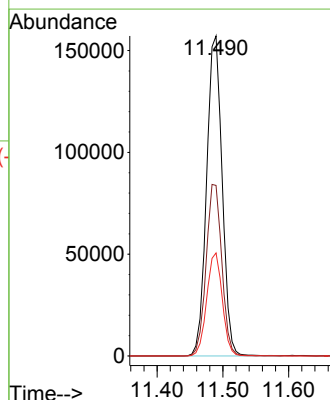
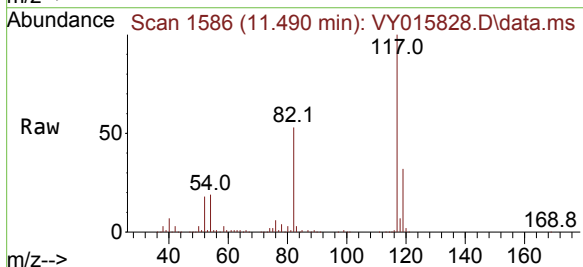
Instrument :
MSVOA_Y
ClientSampleId :

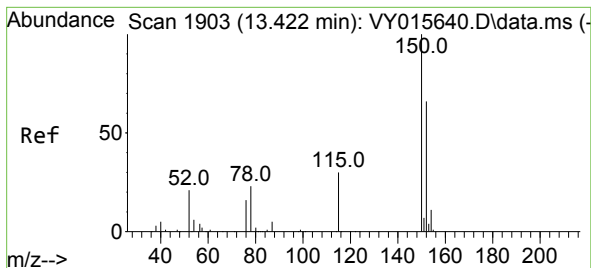
Tgt Ion: 95 Resp: 112698
Ion Ratio Lower Upper
95 100
174 84.0 0.0 178.2
176 83.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015828.D
Acq: 04 Oct 2023 15:25

Tgt Ion:117 Resp: 258767
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.2 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: VY015828.D

Acq: 04 Oct 2023 15:25

Instrument :

MSVOA_Y

ClientSampleId :

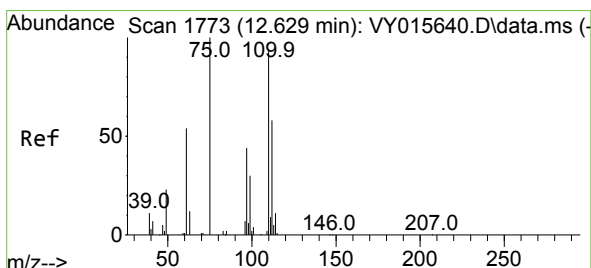
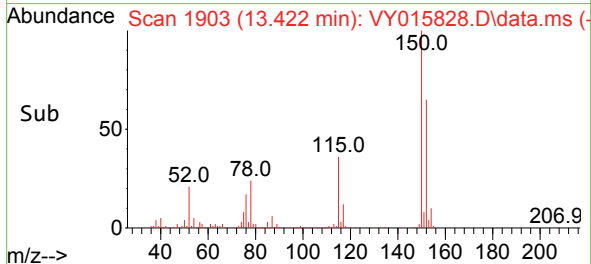
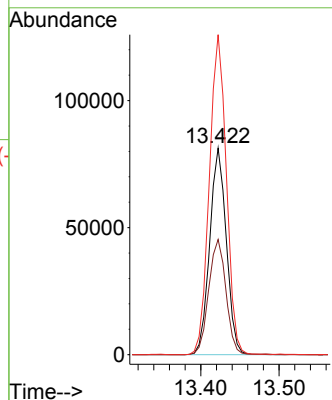
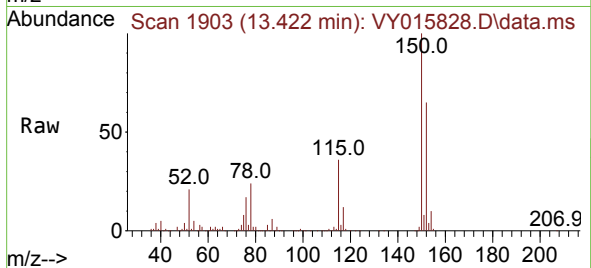
Tgt Ion:152 Resp: 119749

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 158.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.459 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015828.D

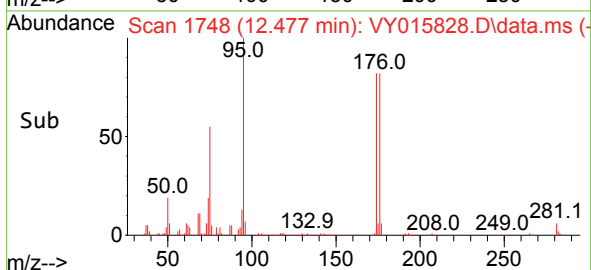
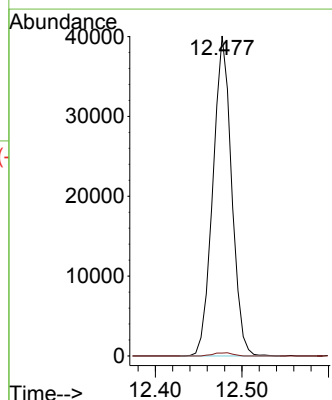
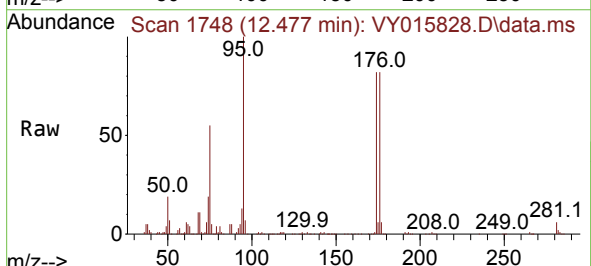
Acq: 04 Oct 2023 15:25

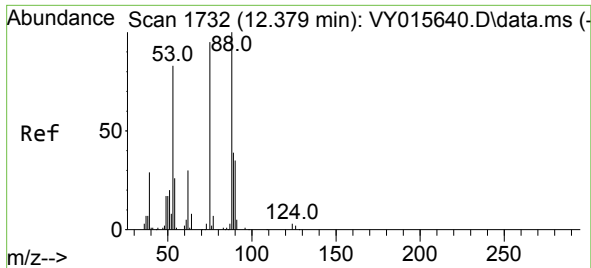
Tgt Ion: 75 Resp: 60100

Ion Ratio Lower Upper

75 100

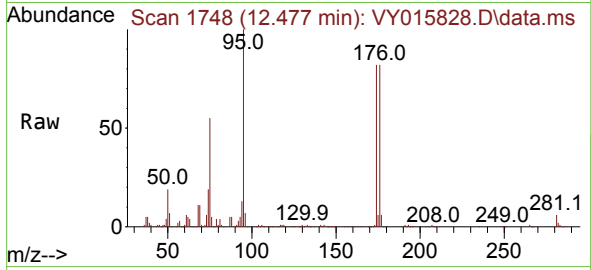
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.844 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015828.D
 Acq: 04 Oct 2023 15:25

Instrument :
 MSVOA_Y
 ClientSampleId :



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

