

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015830.D
 Acq On : 04 Oct 2023 16:13
 Operator : SY/MD
 Sample : 04714-04
 Misc : 3.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:55:48 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)

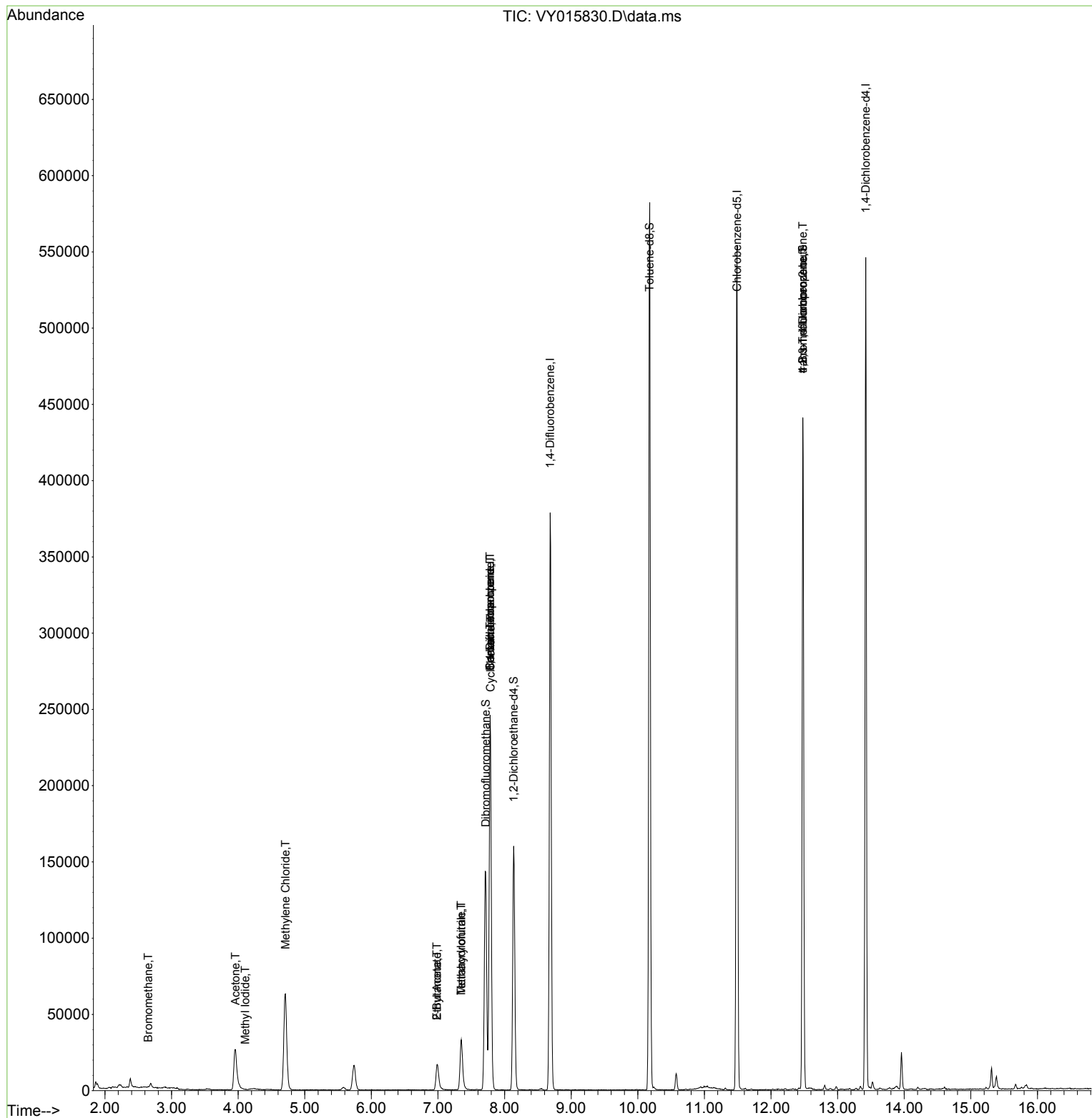
Internal Standards						
1) Pentafluorobenzene	7.783	168	188742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	302198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124250	59.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.660%	
35) Dibromofluoromethane	7.715	113	104976	54.062	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.120%	
50) Toluene-d8	10.178	98	385292	58.521	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.040%	
62) 4-Bromofluorobenzene	12.477	95	130434	50.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.649	94	105	2.613	ug/l	91
10) Methyl Iodide	4.106	142	100	2.771	ug/l #	38
16) Acetone	3.960	43	57782	51.993	ug/l	97
20) Methylene Chloride	4.710	84	48705	16.797	ug/l	91
25) 2-Butanone	6.984	43	32108	20.440	ug/l	94
29) Tetrahydrofuran	7.350	42	27516	30.991	ug/l	92
31) Cyclohexane	7.789	56	3951	1.373	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14299	4.980	ug/l #	50
37) Ethyl Acetate	6.984	43	32108	11.212	ug/l #	71
38) Carbon Tetrachloride	7.783	117	18454	5.922	ug/l #	16
41) Methacrylonitrile	7.350	41	15529	10.071	ug/l #	39
76) 1,2,3-Trichloropropane	12.477	75	69810	32.376	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69810	72.907	ug/l #	10

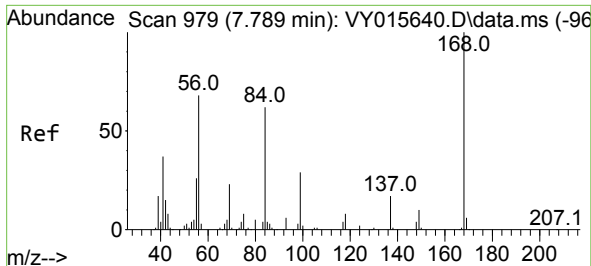
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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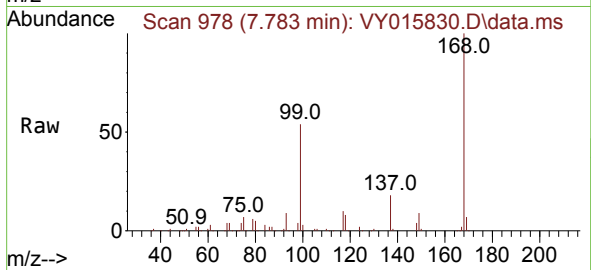
Quant Time: Oct 05 06:55:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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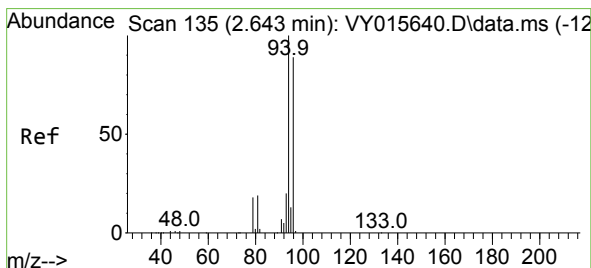
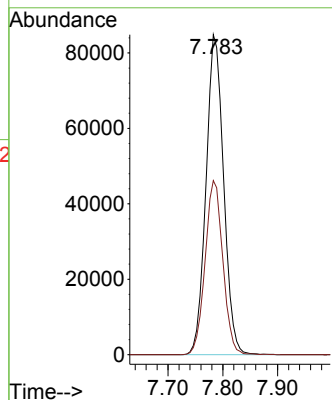
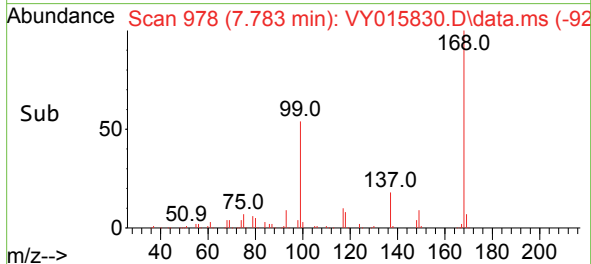


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

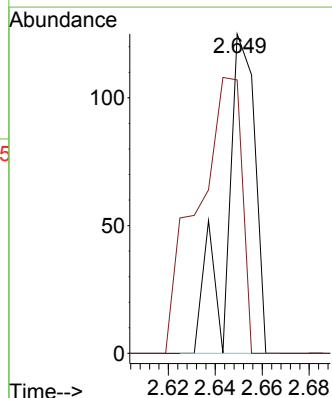
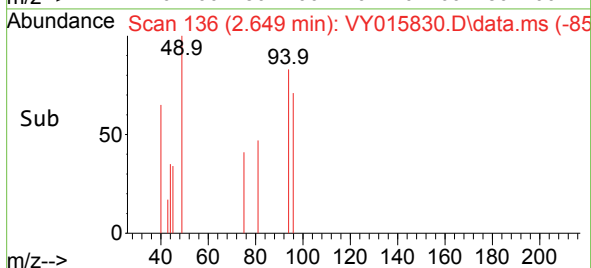
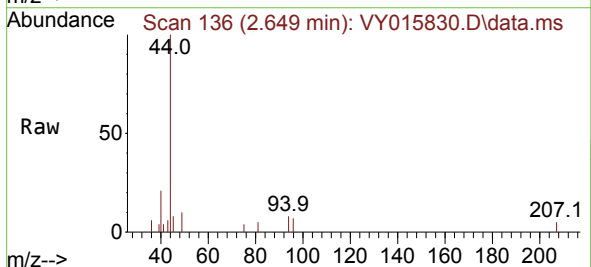


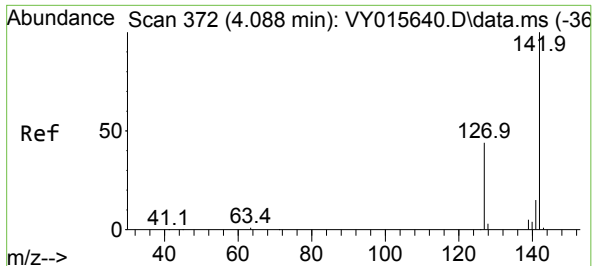
Tgt Ion:168 Resp: 188742
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#5
Bromomethane
Concen: 2.613 ug/l
RT: 2.649 min Scan# 136
Delta R.T. 0.012 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 85.6 75.8 113.6

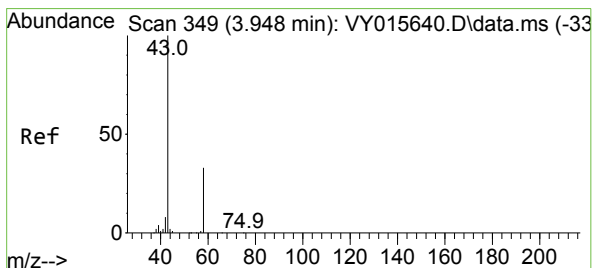
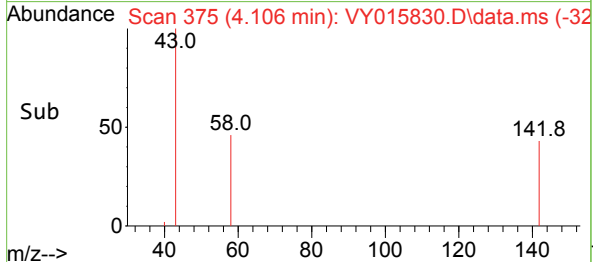
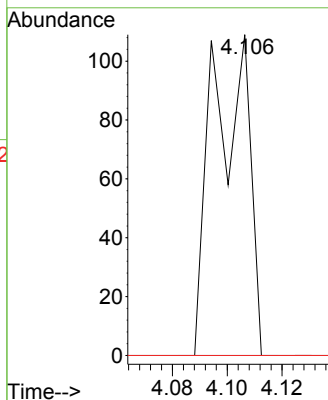
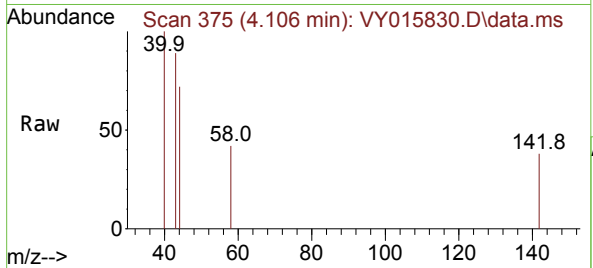




#10
Methyl Iodide
Concen: 2.771 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

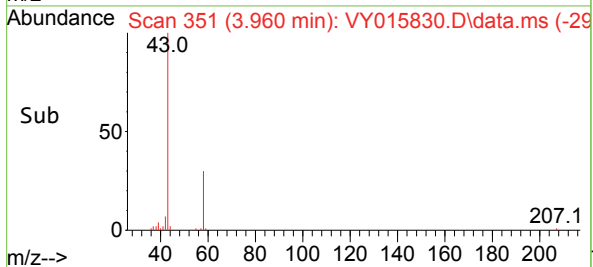
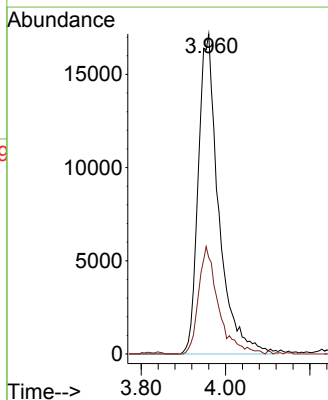
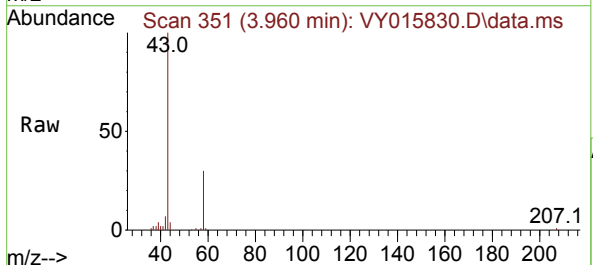
Instrument :
MSVOA_Y
ClientSampleId :

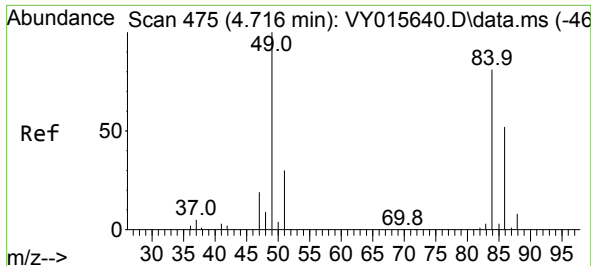
Tgt Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 51.993 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

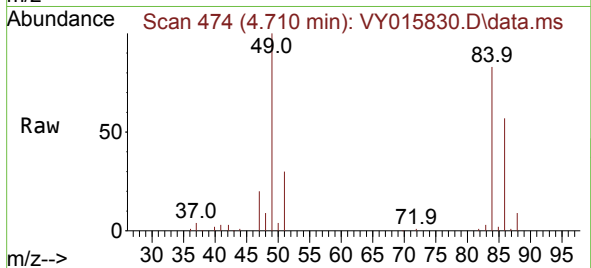
Tgt Ion: 43 Resp: 57782
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1



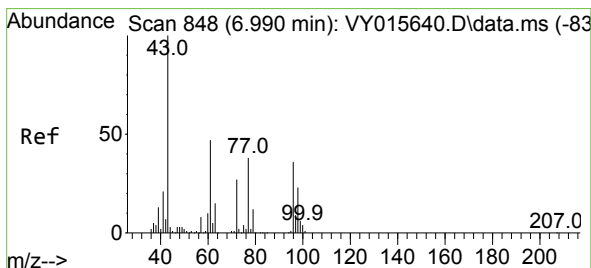
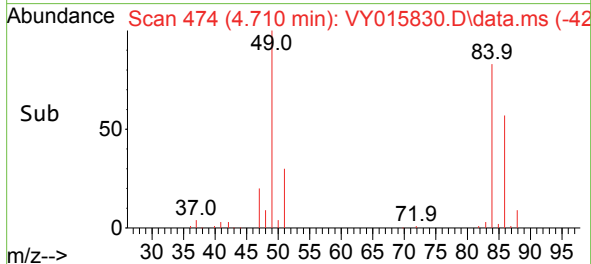
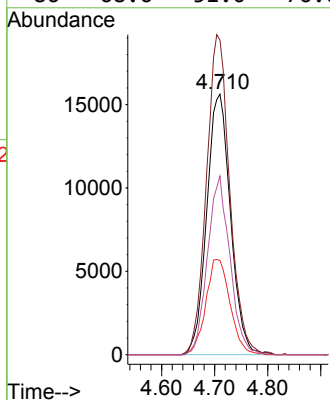


#20
Methylene Chloride
Concen: 16.797 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

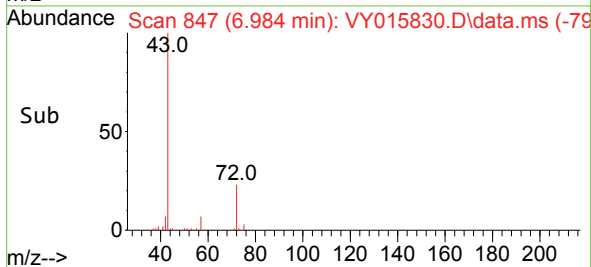
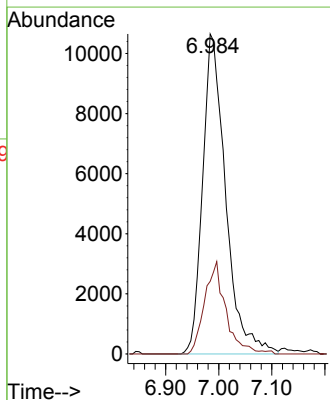
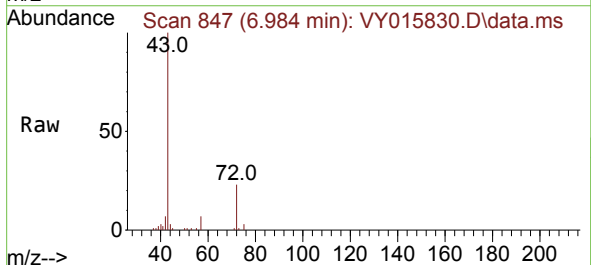


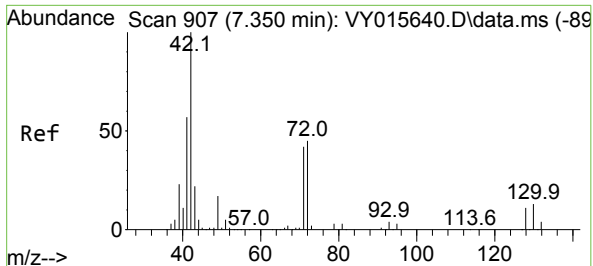
Tgt Ion:	84	Resp:	48705
Ion	Ratio	Lower	Upper
84	100		
49	120.8	106.9	160.3
51	36.2	33.2	49.8
86	68.6	51.0	76.6



#25
2-Butanone
Concen: 20.440 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Tgt Ion:	43	Resp:	32108
Ion	Ratio	Lower	Upper
43	100		
72	22.7	20.5	30.7





#29

Tetrahydrofuran

Concen: 30.991 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

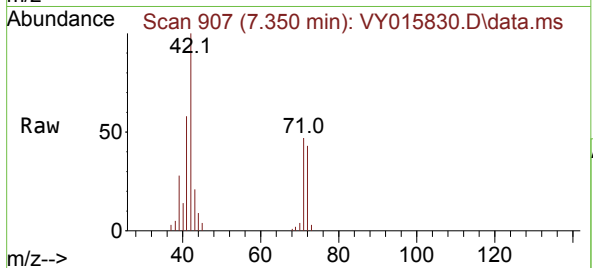
Lab File: VY015830.D

Acq: 04 Oct 2023 16:13

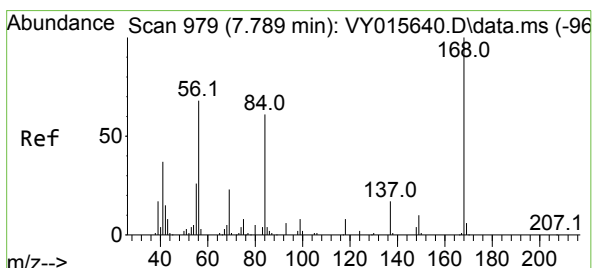
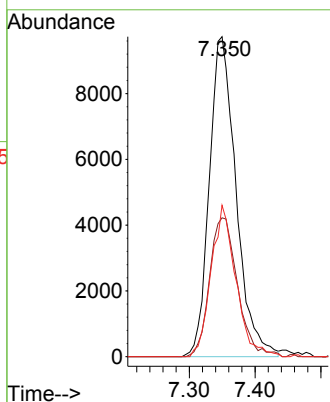
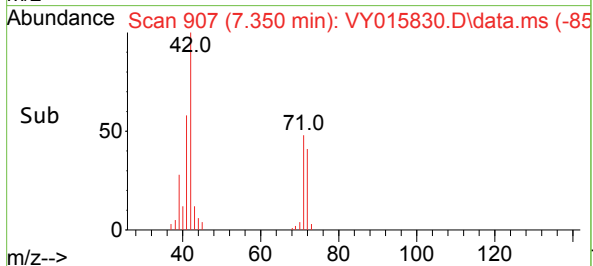
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	27516
Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.8	49.2
71	43.8	31.0	46.4



#31

Cyclohexane

Concen: 1.373 ug/l

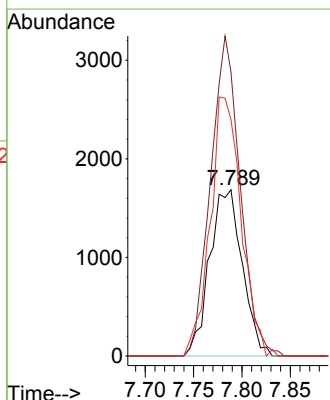
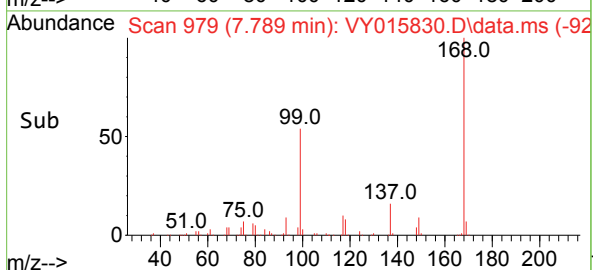
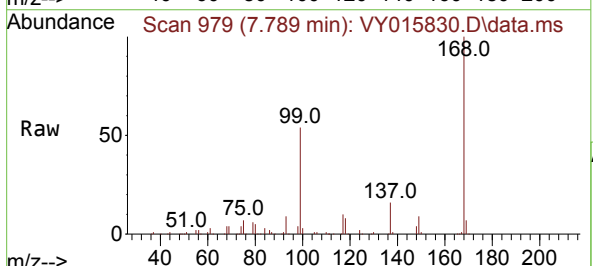
RT: 7.789 min Scan# 979

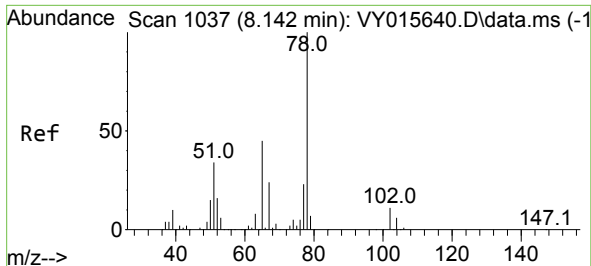
Delta R.T. 0.006 min

Lab File: VY015830.D

Acq: 04 Oct 2023 16:13

Tgt Ion:	56	Resp:	3951
Ion	Ratio	Lower	Upper
56	100		
69	170.7	27.8	41.6#
84	142.1	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.831 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015830.D

Acq: 04 Oct 2023 16:13

Instrument :

MSVOA_Y

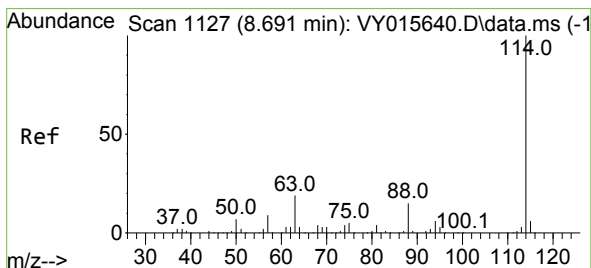
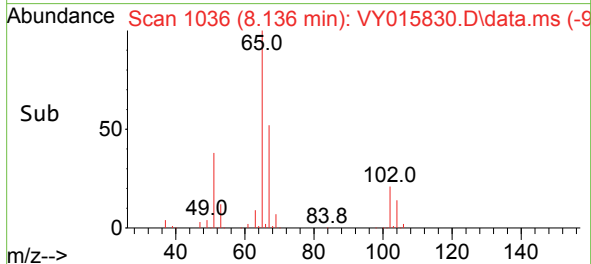
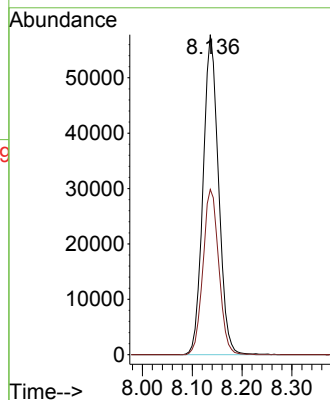
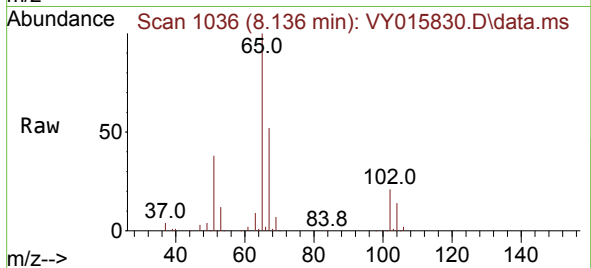
ClientSampleId :

Tgt Ion: 65 Resp: 124250

Ion Ratio Lower Upper

65 100

67 52.7 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: VY015830.D

Acq: 04 Oct 2023 16:13

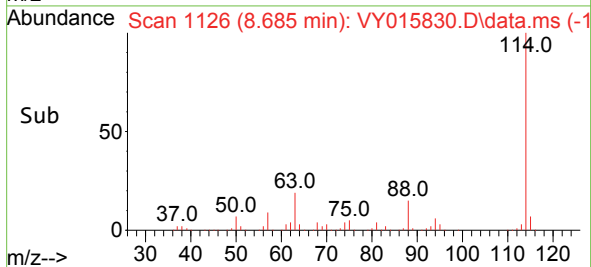
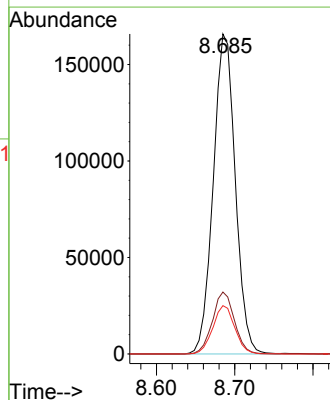
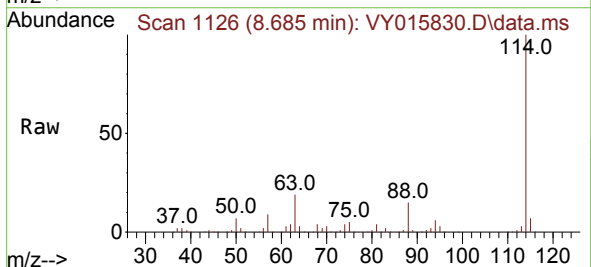
Tgt Ion: 114 Resp: 324420

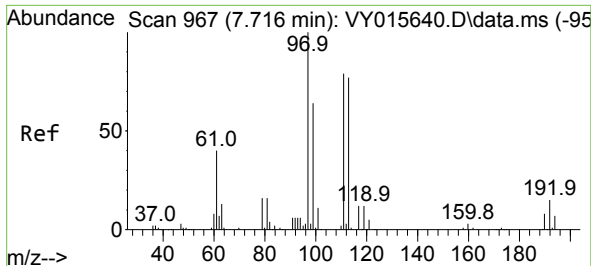
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

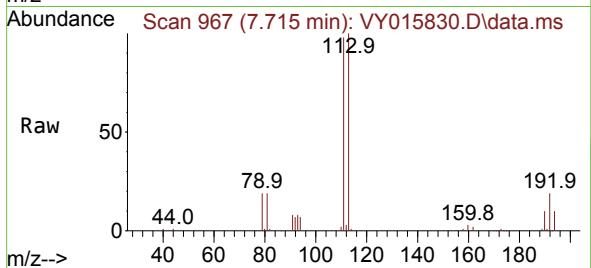
88 15.1 0.0 30.6



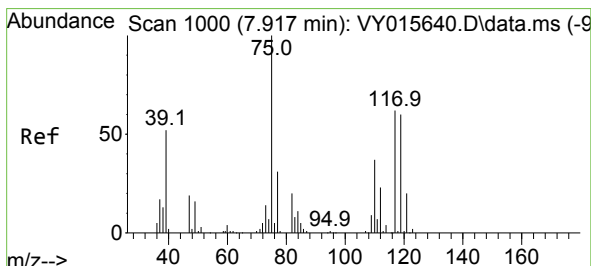
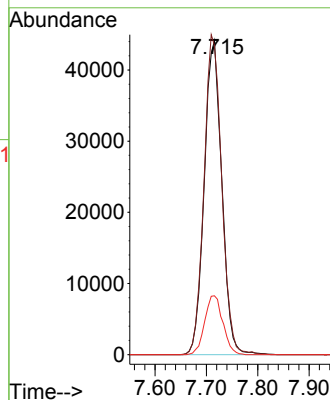
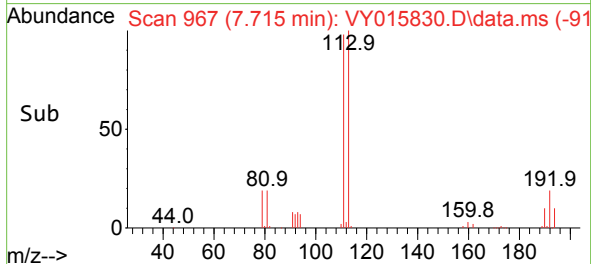


#35
Dibromofluoromethane
Concen: 54.062 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

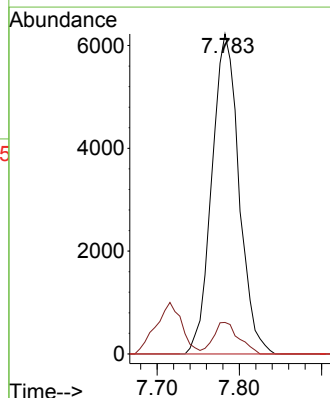
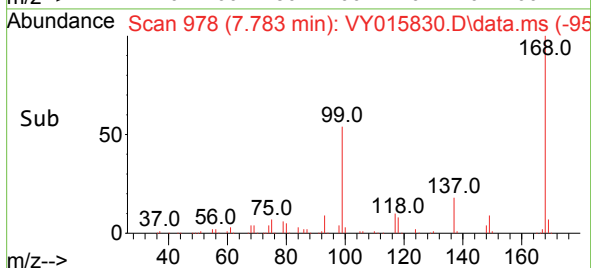
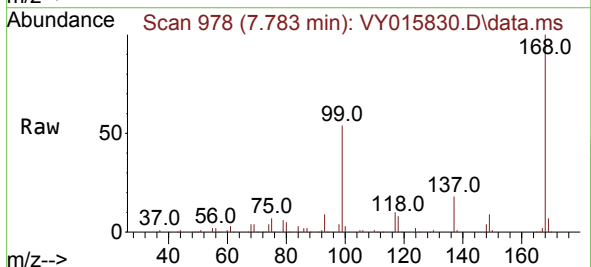


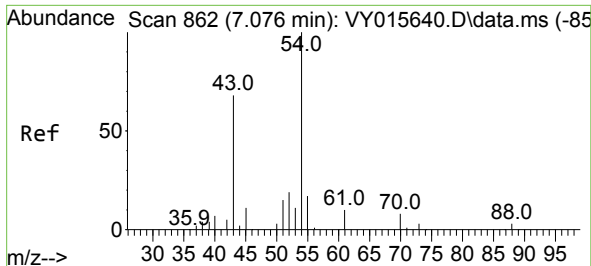
Tgt Ion:113 Resp: 104976
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.980 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Tgt Ion: 75 Resp: 14299
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 11.212 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

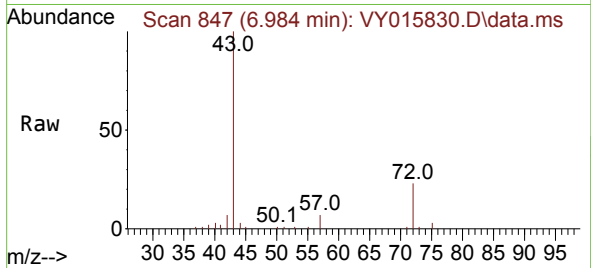
Lab File: VY015830.D

Acq: 04 Oct 2023 16:13

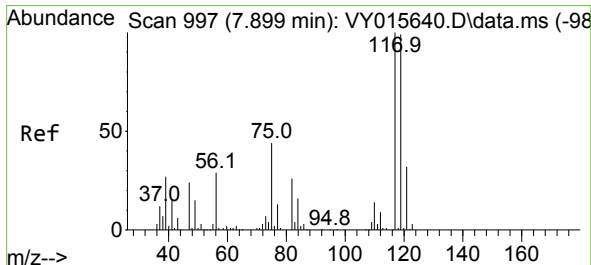
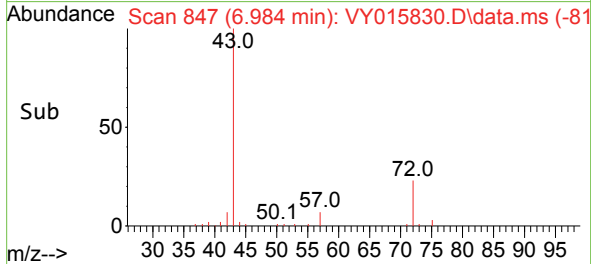
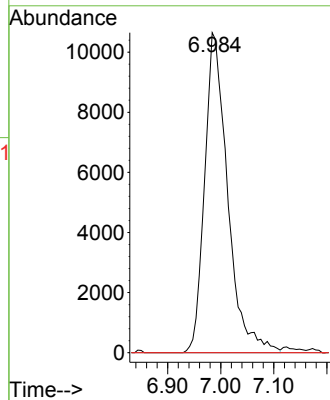
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	32108
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.922 ug/l

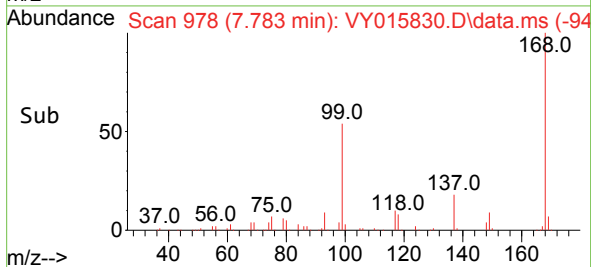
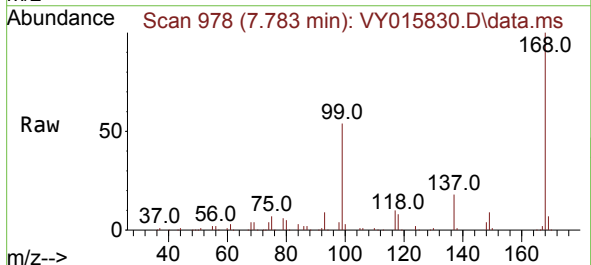
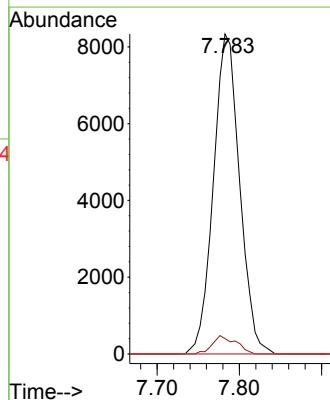
RT: 7.783 min Scan# 978

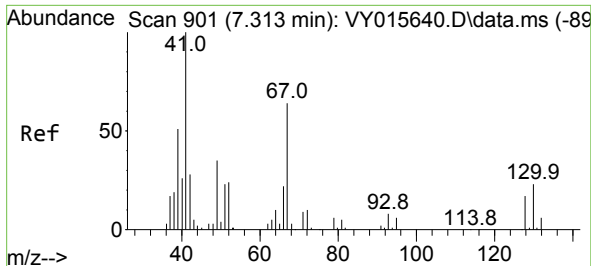
Delta R.T. -0.110 min

Lab File: VY015830.D

Acq: 04 Oct 2023 16:13

Tgt Ion:	117	Resp:	18454
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.4	114.6#
121	0.0	25.8	38.6#

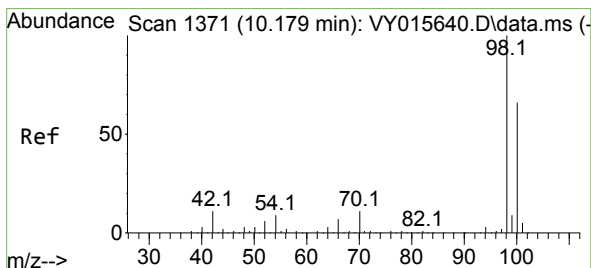
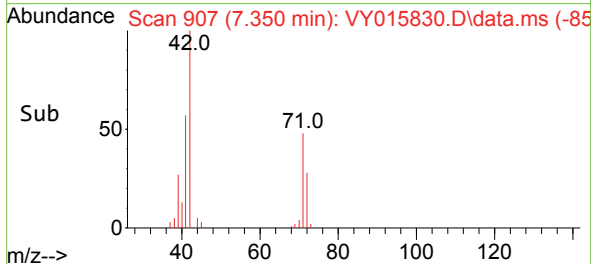
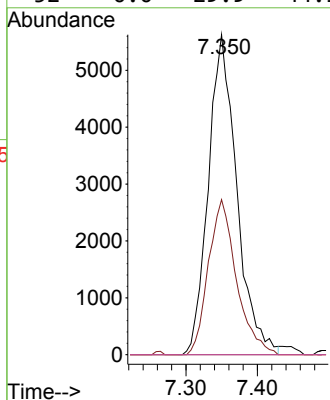
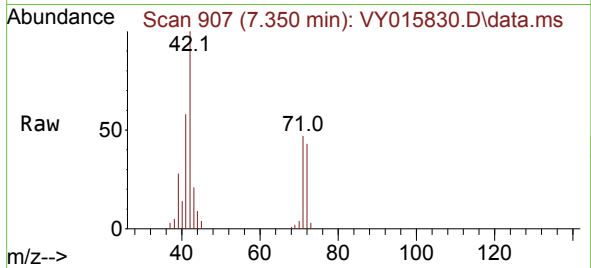




#41
Methacrylonitrile
Concen: 10.071 ug/l
RT: 7.350 min Scan# 901
Delta R.T. 0.037 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

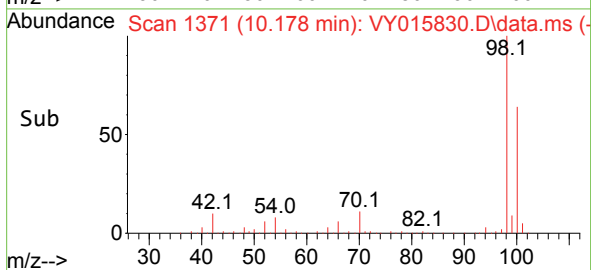
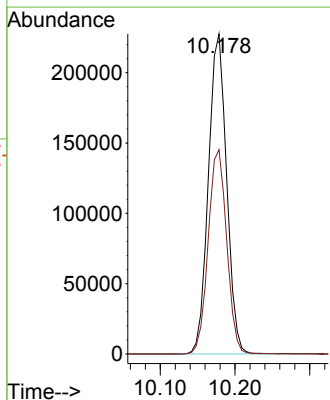
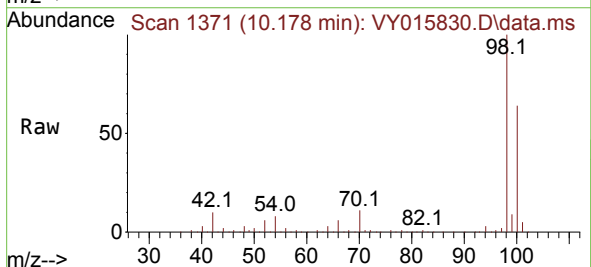
Instrument :
MSVOA_Y
ClientSampleId :

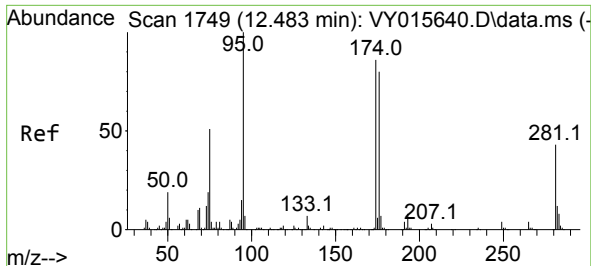
Tgt Ion: 41	Resp: 15529
Ion Ratio	Lower Upper
41	100
39	47.8 52.1 78.1#
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 58.521 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

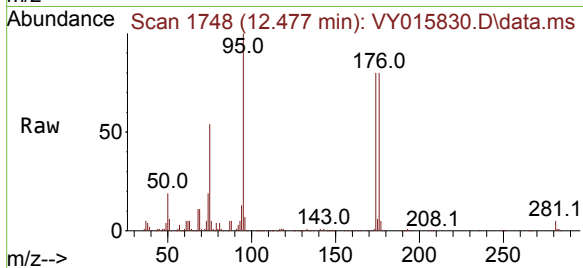
Tgt Ion: 98	Resp: 385292
Ion Ratio	Lower Upper
98	100
100	64.9 50.1 75.1



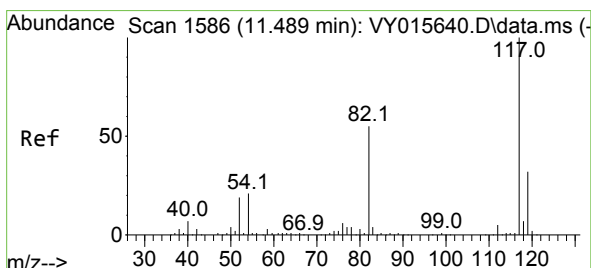
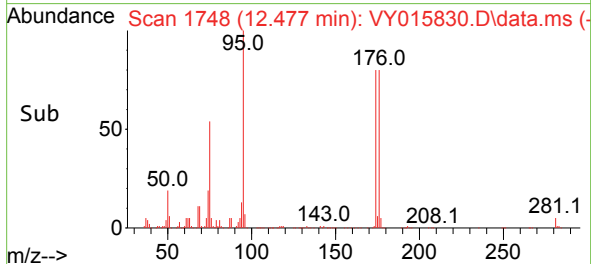
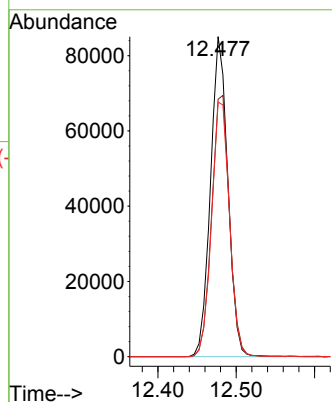


#62
4-Bromofluorobenzene
Concen: 50.483 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

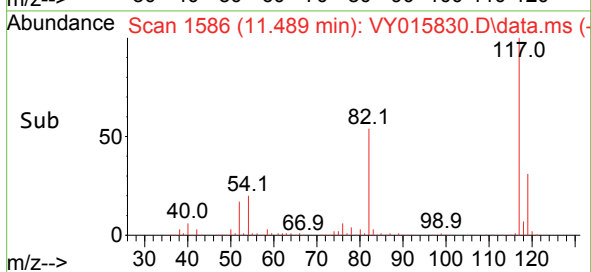
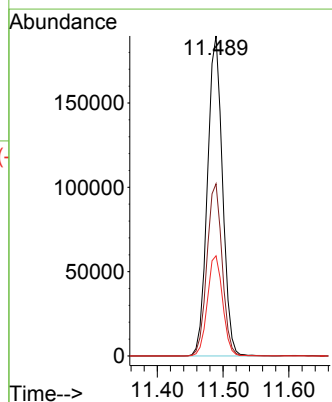
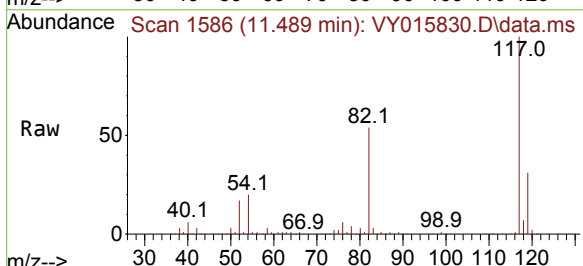


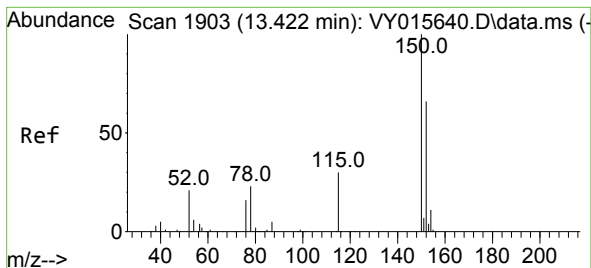
Tgt Ion: 95 Resp: 130434
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Tgt Ion: 117 Resp: 302198
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.3 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: VY015830.D

Acq: 04 Oct 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

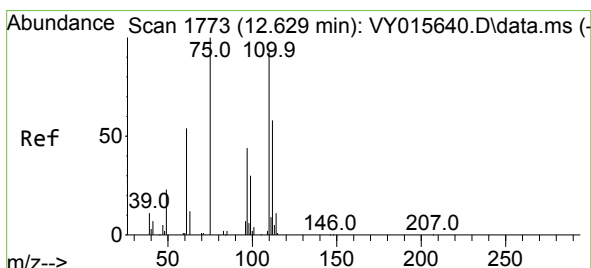
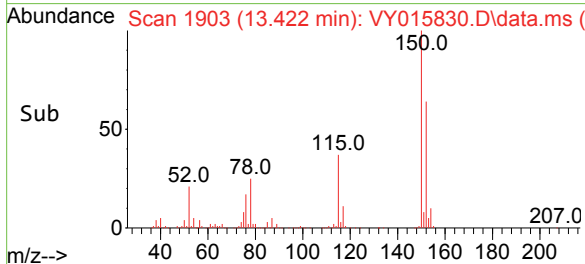
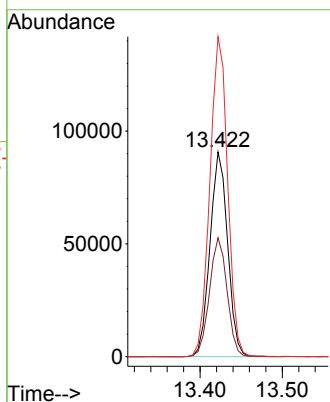
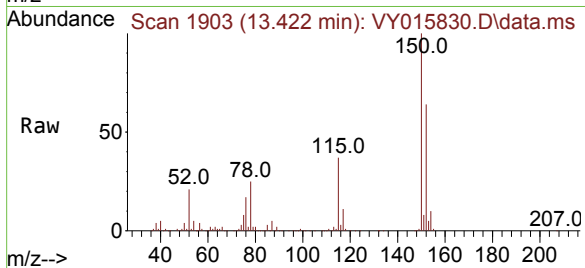
Tgt Ion:152 Resp: 135159

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 32.376 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015830.D

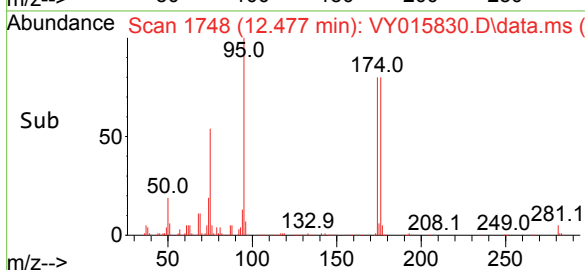
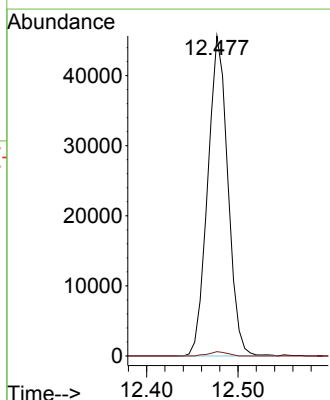
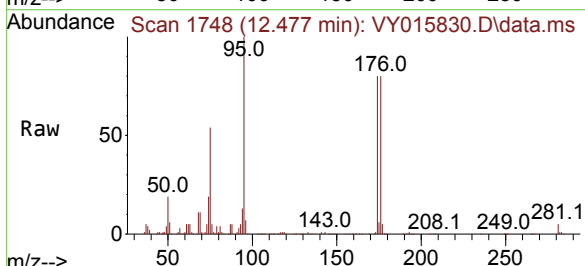
Acq: 04 Oct 2023 16:13

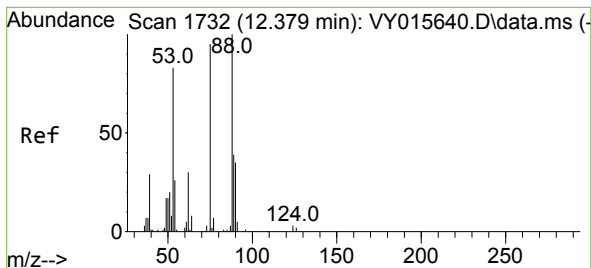
Tgt Ion: 75 Resp: 69810

Ion Ratio Lower Upper

75 100

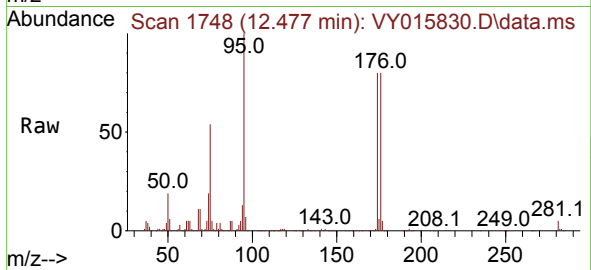
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.907 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY015830.D
Acq: 04 Oct 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 69810
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

