

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014830.D
 Acq On : 26 Jul 2023 03:09
 Operator : SY/MD
 Sample : 03741-11
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P27B

Quant Time: Jul 26 04:26:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

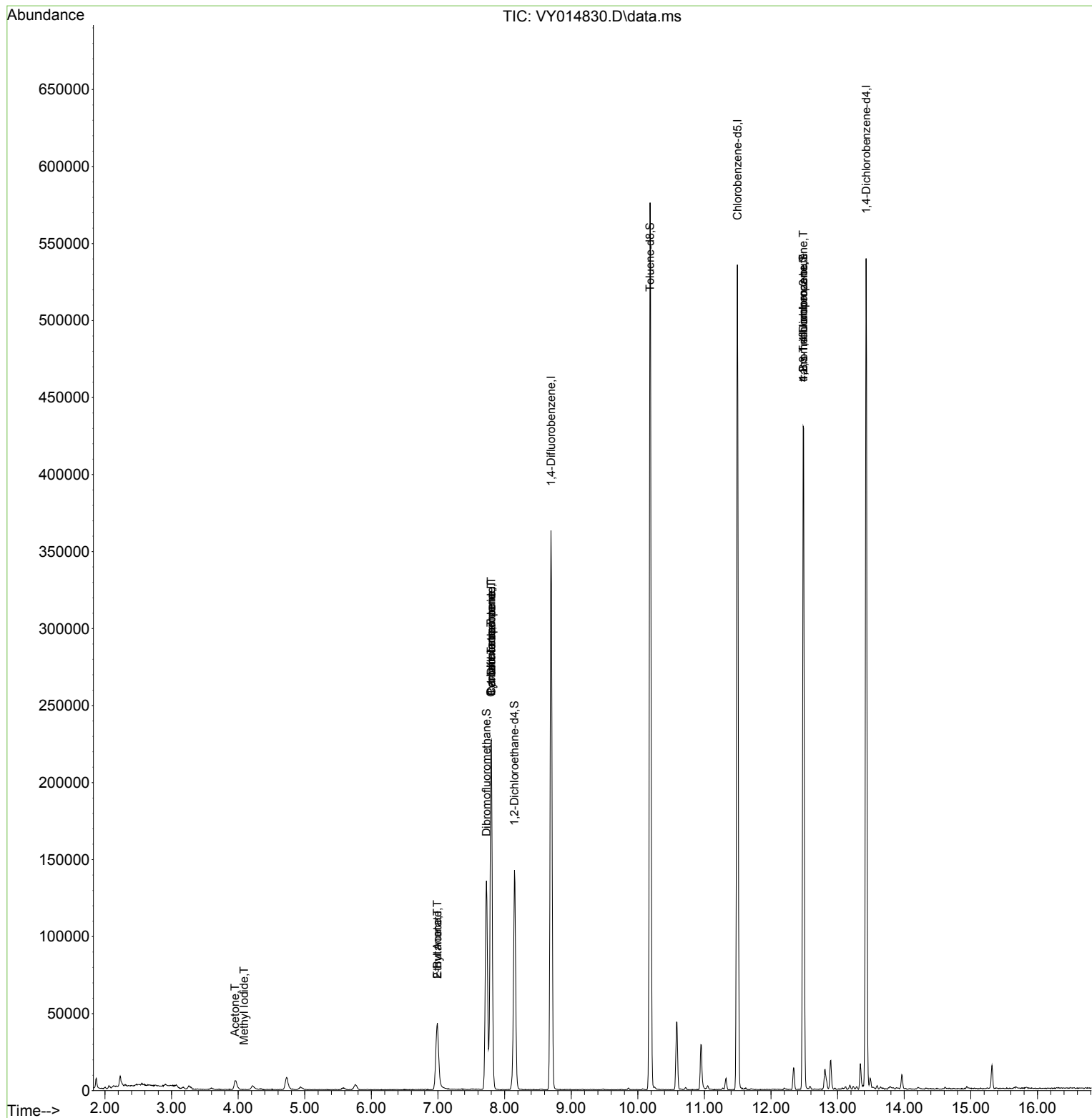
Internal Standards						
1) Pentafluorobenzene	7.801	168	178332	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	309763	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	290266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	106950	52.629	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.260%	
35) Dibromofluoromethane	7.728	113	97142	49.264	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.520%	
50) Toluene-d8	10.185	98	370303	50.937	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.483	95	132210	47.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.860%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	67	2.402	ug/l #	38
11) Tert butyl alcohol	4.936	59	2120	Below Cal	#	89
16) Acetone	3.954	43	10825	16.810	ug/l #	88
20) Methylene Chloride	4.716	84	5806	Below Cal	#	81
25) 2-Butanone	6.990	43	4478	4.753	ug/l #	79
31) Cyclohexane	7.795	56	3625	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	14506	4.919	ug/l #	50
37) Ethyl Acetate	6.990	43	4478	2.206	ug/l #	43
38) Carbon Tetrachloride	7.801	117	17642	5.660	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	70379	41.623	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70379	80.590	ug/l #	10

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

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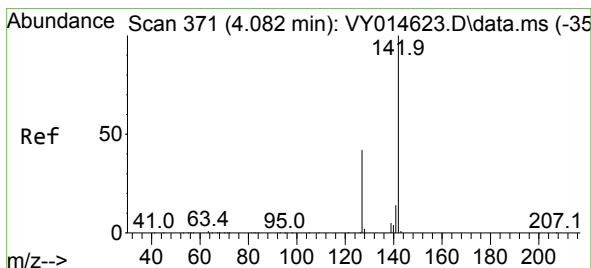
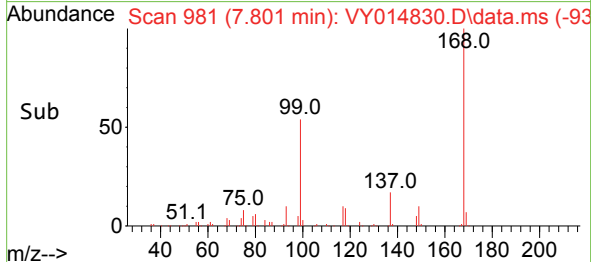
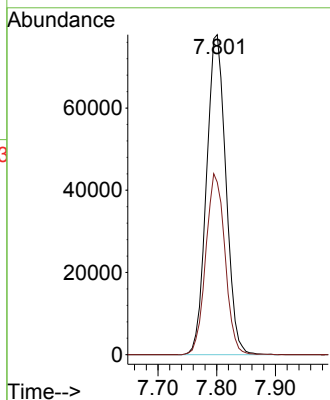
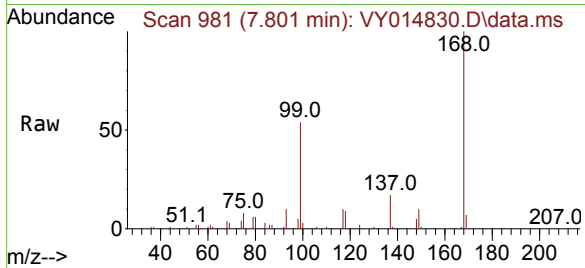




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

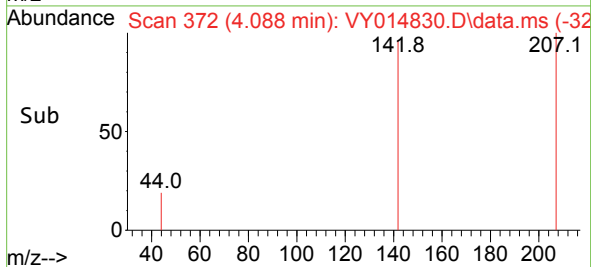
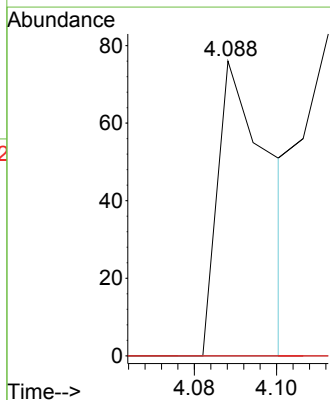
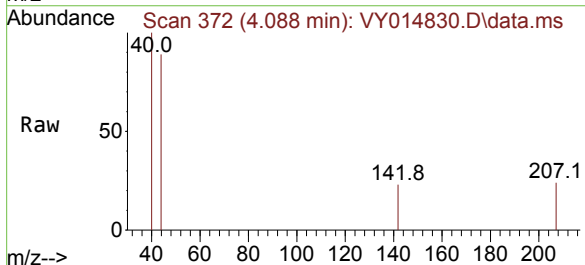
Instrument :
MSVOA_Y
ClientSampleId :
B-P27B

Tgt Ion:168 Resp: 178332
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.402 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

Tgt Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

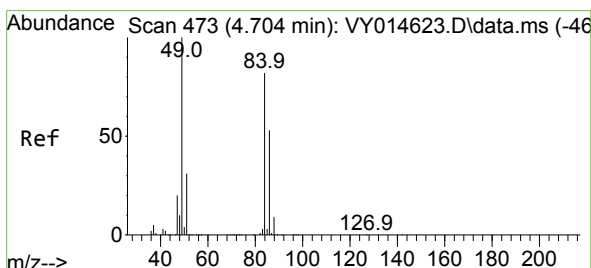
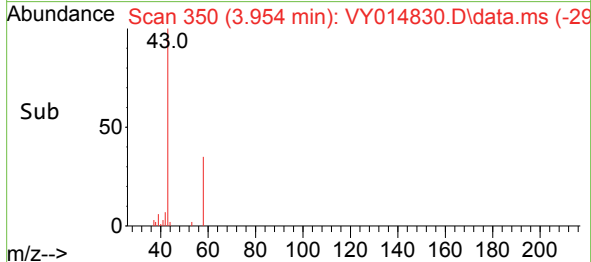
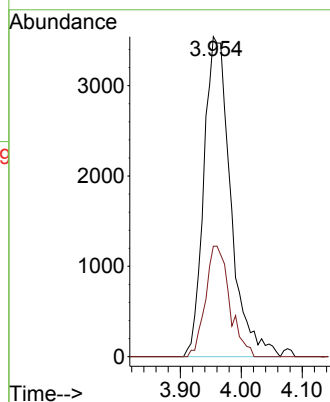
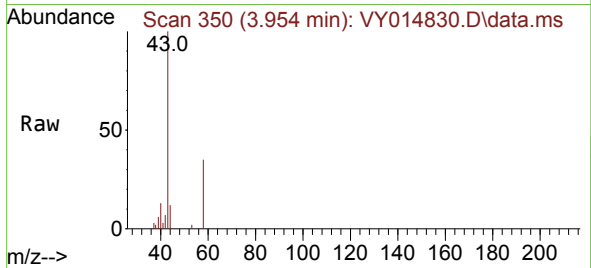




#16
Acetone
Concen: 16.810 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

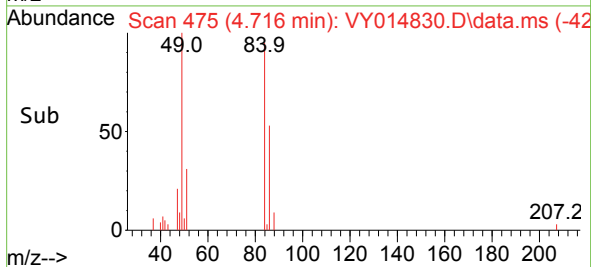
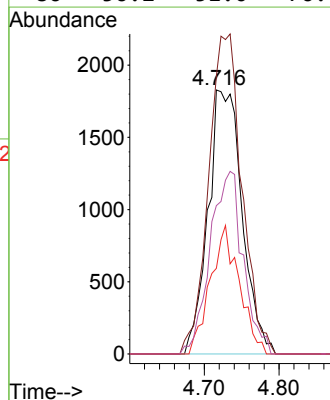
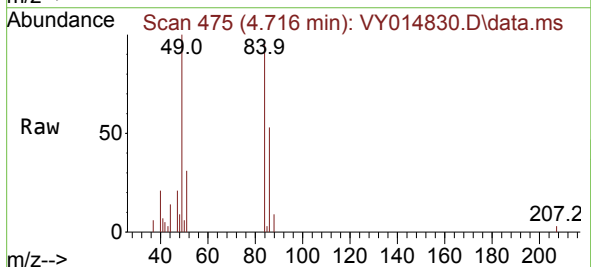
Instrument :
MSVOA_Y
ClientSampleId :
B-P27B

Tgt Ion: 43 Resp: 10825
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

Tgt Ion: 84 Resp: 5806
Ion Ratio Lower Upper
84 100
49 105.1 106.9 160.3#
51 32.4 33.2 49.8#
86 56.2 51.0 76.6

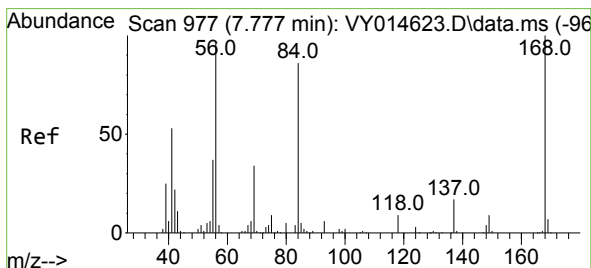
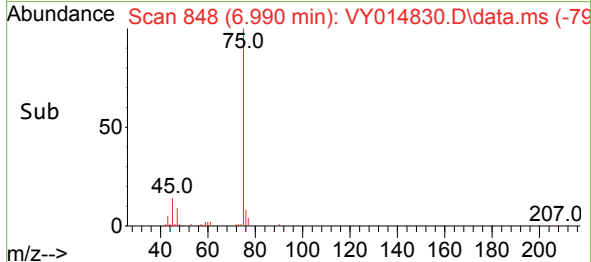
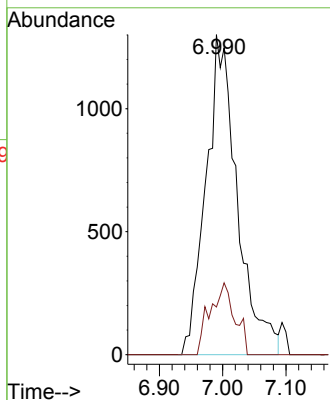
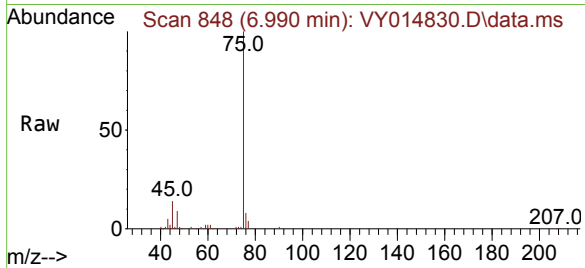




#25
2-Butanone
Concen: 4.753 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

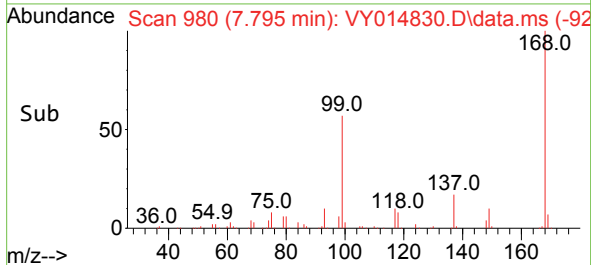
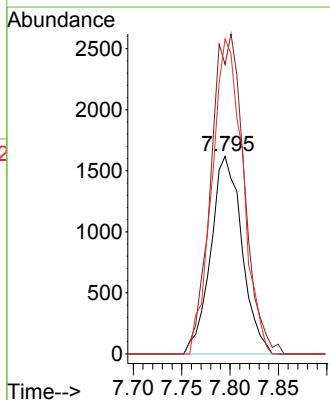
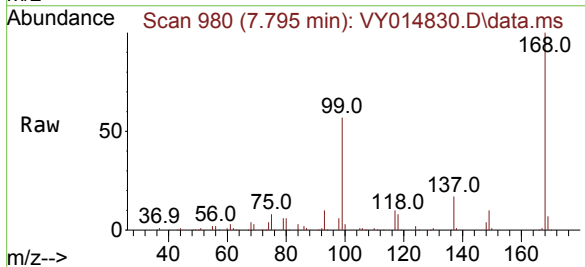
Instrument :
MSVOA_Y
ClientSampleId :
B-P27B

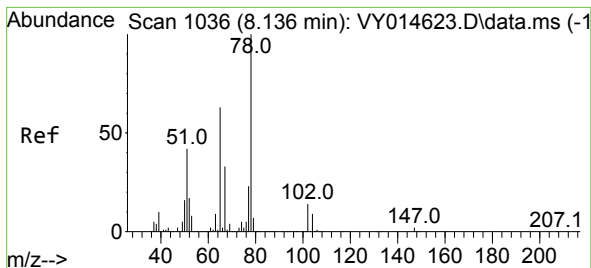
Tgt Ion: 43 Resp: 4478
Ion Ratio Lower Upper
43 100
72 14.9 20.5 30.7#



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

Tgt Ion: 56 Resp: 3625
Ion Ratio Lower Upper
56 100
69 146.4 27.8 41.6#
84 159.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.629 ug/l

RT: 8.148 min Scan# 1036

Delta R.T. 0.012 min

Lab File: VY014830.D

Acq: 26 Jul 2023 03:09

Instrument :

MSVOA_Y

ClientSampleId :

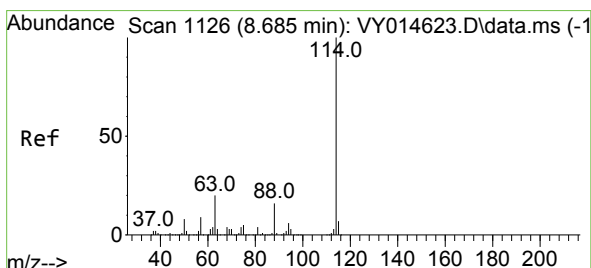
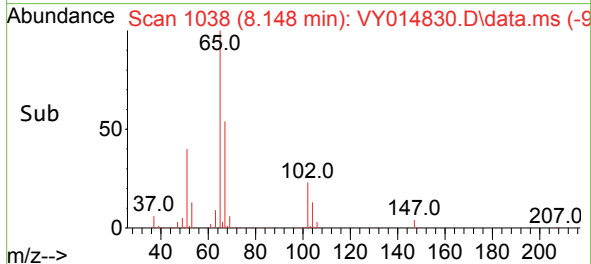
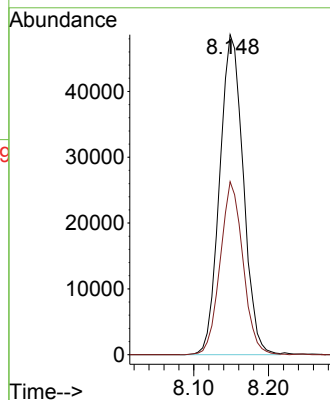
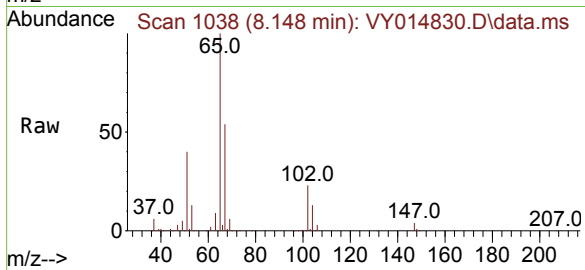
B-P27B

Tgt Ion: 65 Resp: 106950

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY014830.D

Acq: 26 Jul 2023 03:09

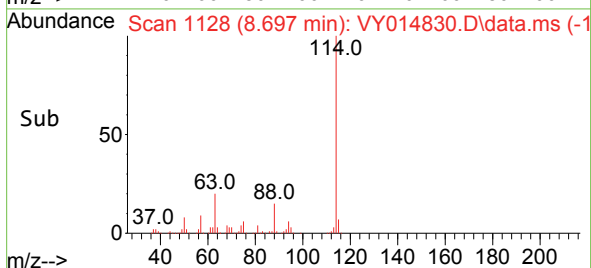
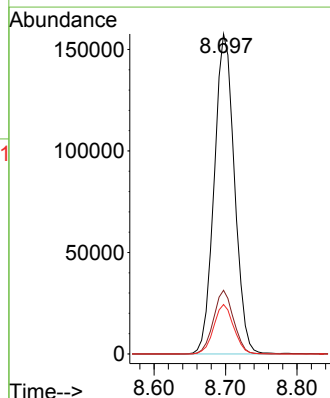
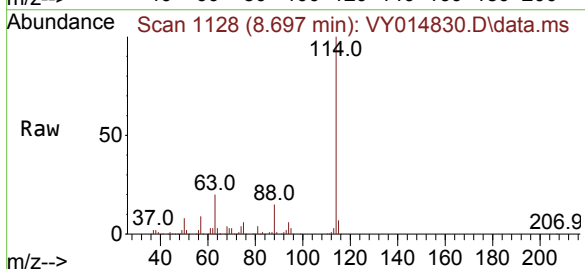
Tgt Ion: 114 Resp: 309763

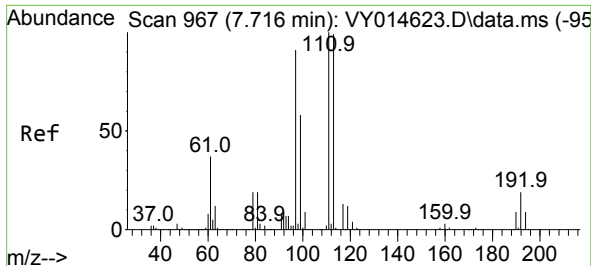
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.4 0.0 30.6

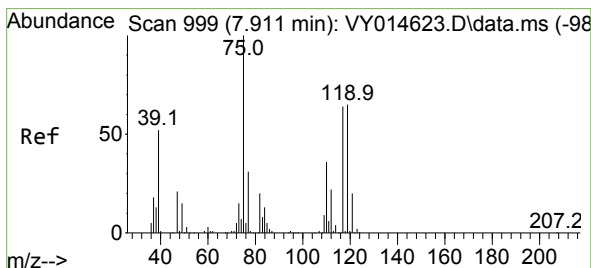
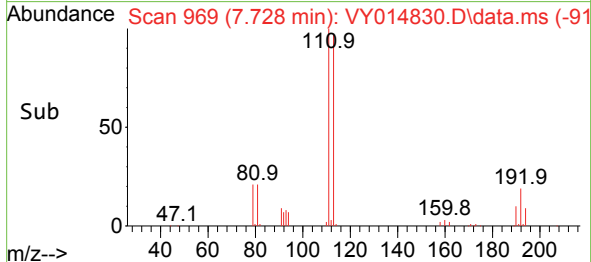
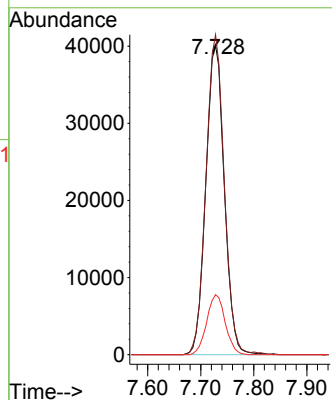
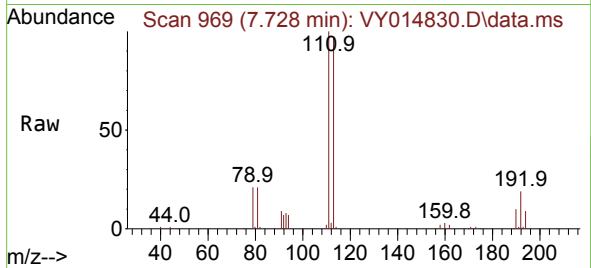




#35
 Dibromofluoromethane
 Concen: 49.264 ug/l
 RT: 7.728 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VY014830.D
 Acq: 26 Jul 2023 03:09

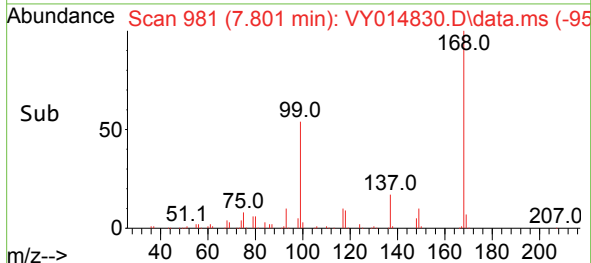
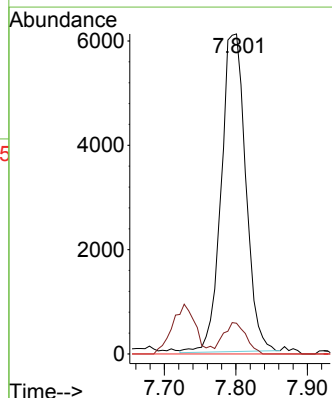
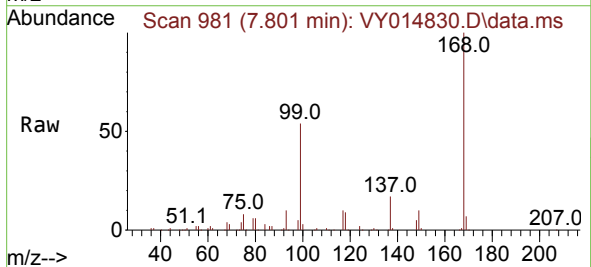
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P27B

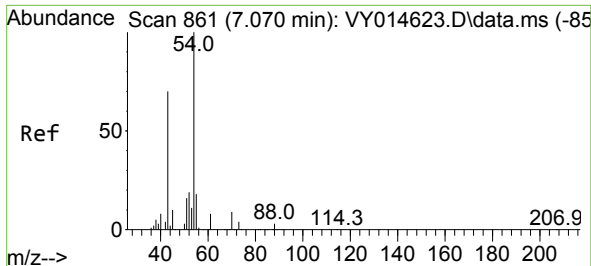
Tgt Ion:	113	Resp:	97142
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	19.4	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY014830.D
 Acq: 26 Jul 2023 03:09

Tgt Ion:	75	Resp:	14506
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 2.206 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY014830.D

Acq: 26 Jul 2023 03:09

Instrument :

MSVOA_Y

ClientSampleId :

B-P27B

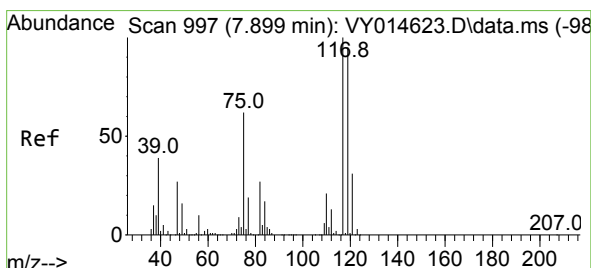
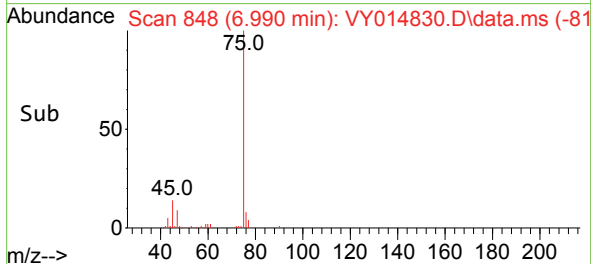
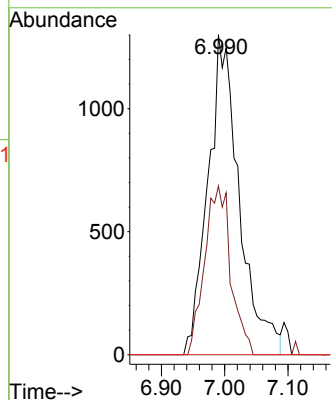
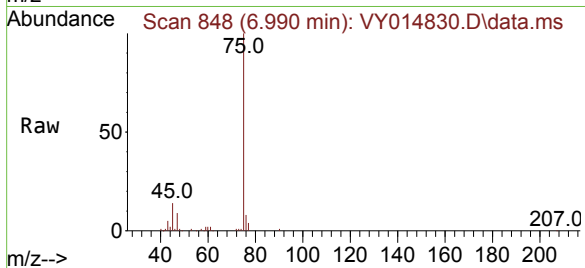
Tgt Ion: 43 Resp: 4478

Ion Ratio Lower Upper

43 100

61 44.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.660 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.098 min

Lab File: VY014830.D

Acq: 26 Jul 2023 03:09

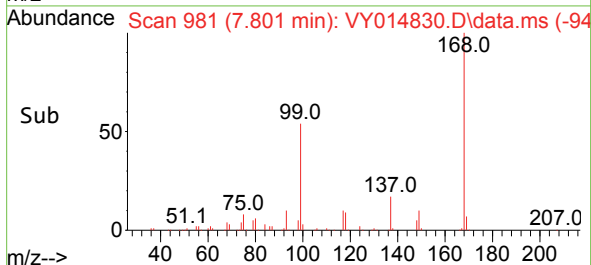
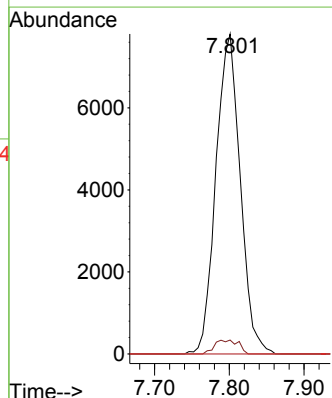
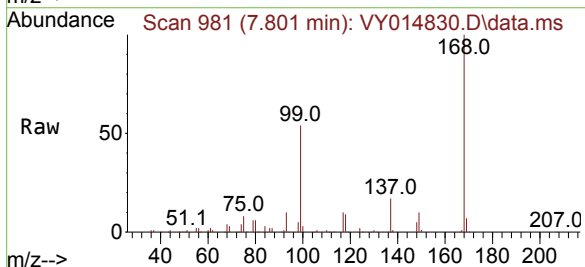
Tgt Ion: 117 Resp: 17642

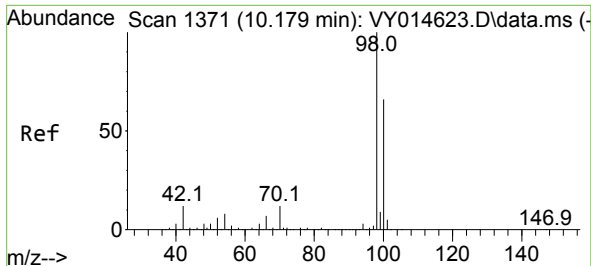
Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#

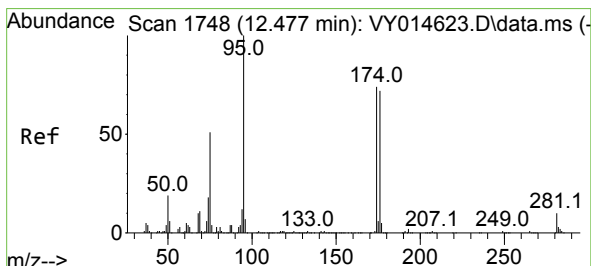
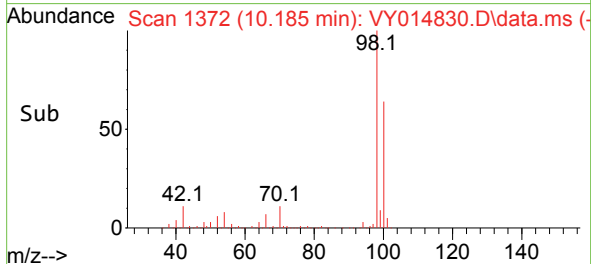
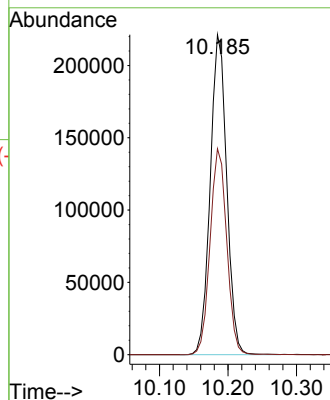
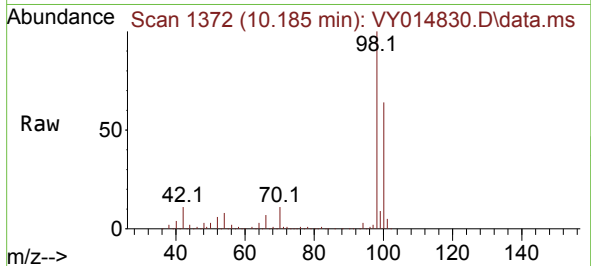




#50
Toluene-d8
Concen: 50.937 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

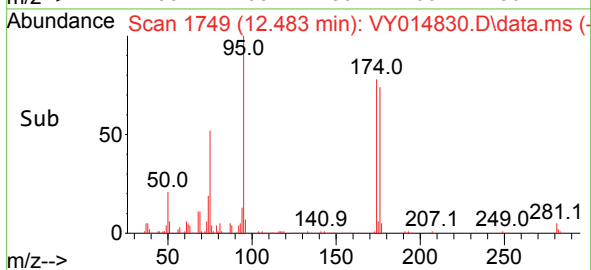
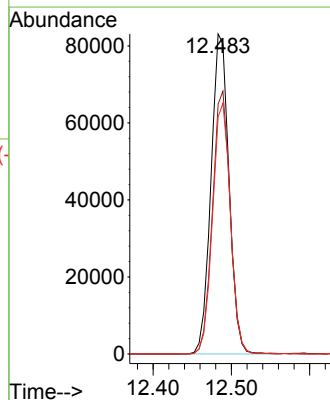
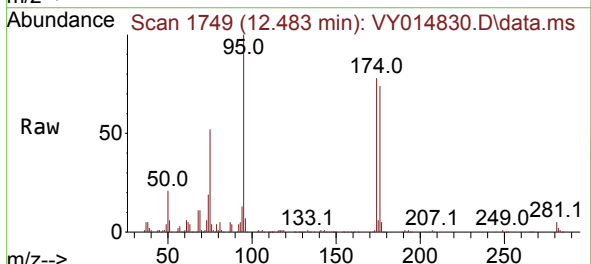
Instrument :
MSVOA_Y
ClientSampleId :
B-P27B

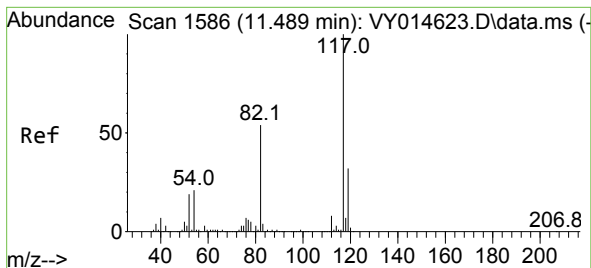
Tgt Ion: 98 Resp: 370303
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.429 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

Tgt Ion: 95 Resp: 132210
Ion Ratio Lower Upper
95 100
174 81.3 0.0 178.2
176 78.0 0.0 173.8

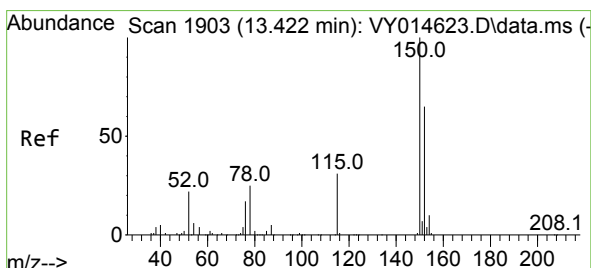
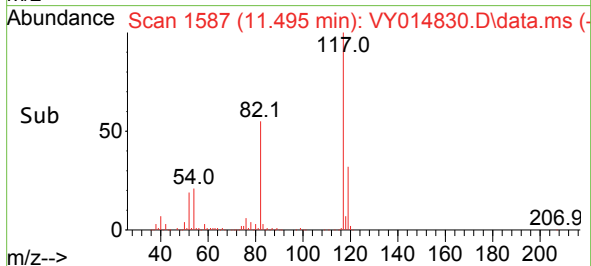
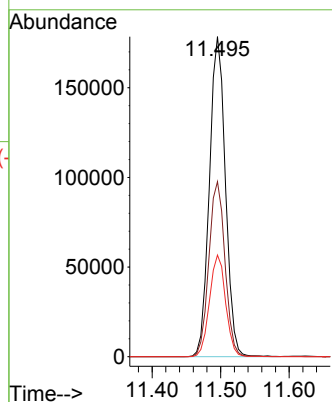
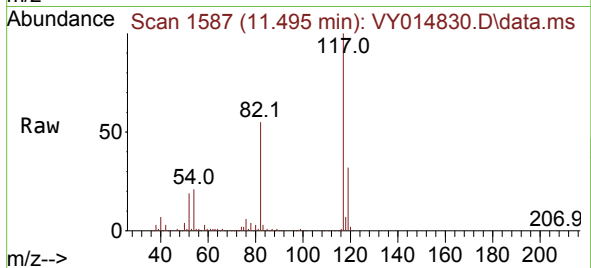




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

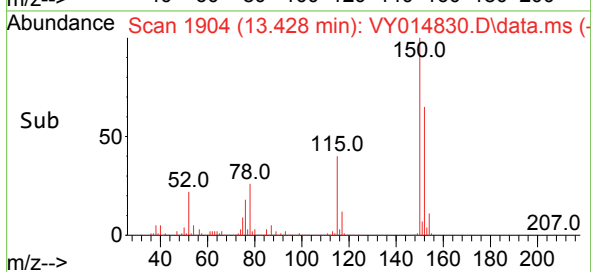
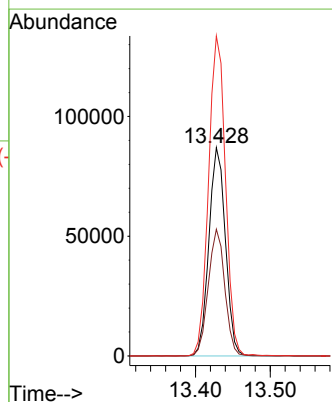
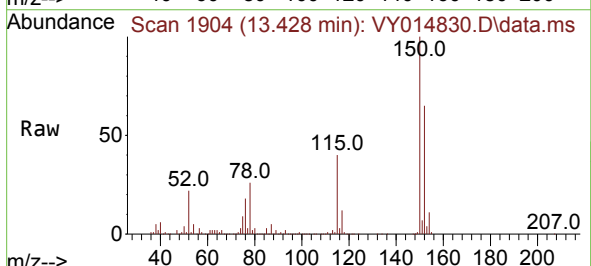
Instrument :
MSVOA_Y
ClientSampleId :
B-P27B

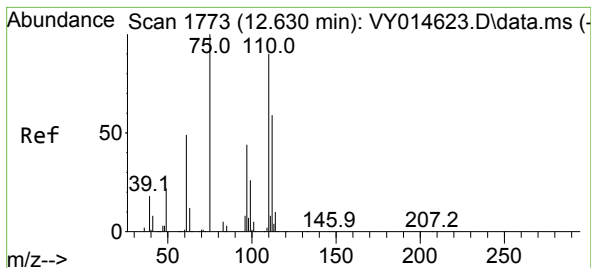
Tgt Ion:117 Resp: 290266
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014830.D
Acq: 26 Jul 2023 03:09

Tgt Ion:152 Resp: 133880
Ion Ratio Lower Upper
152 100
115 60.6 28.8 86.5
150 157.2 0.0 348.8

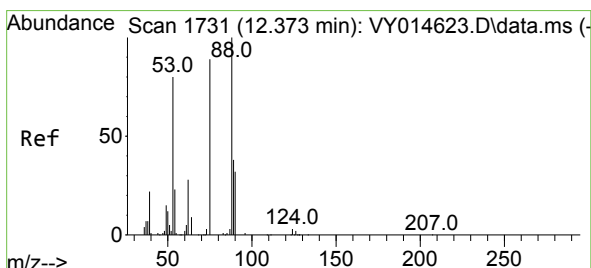
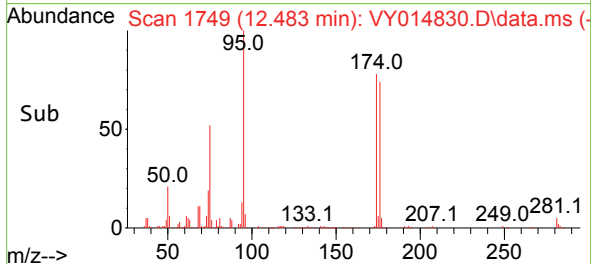
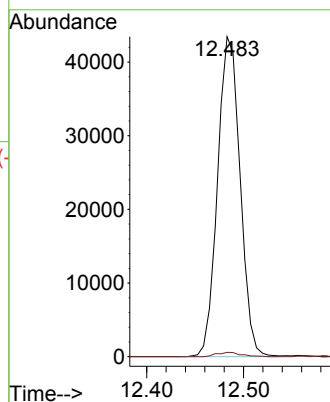
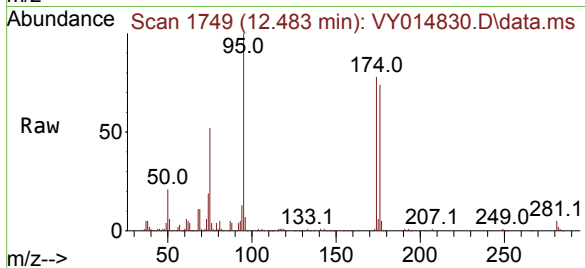




#76
 1,2,3-Trichloropropane
 Concen: 41.623 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY014830.D
 Acq: 26 Jul 2023 03:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P27B

Tgt Ion: 75 Resp: 70379
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.590 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.110 min
 Lab File: VY014830.D
 Acq: 26 Jul 2023 03:09

Tgt Ion: 75 Resp: 70379
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

