

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015216.D
 Acq On : 21 Aug 2023 13:28
 Operator : SY/MD
 Sample : 04087-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:53:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

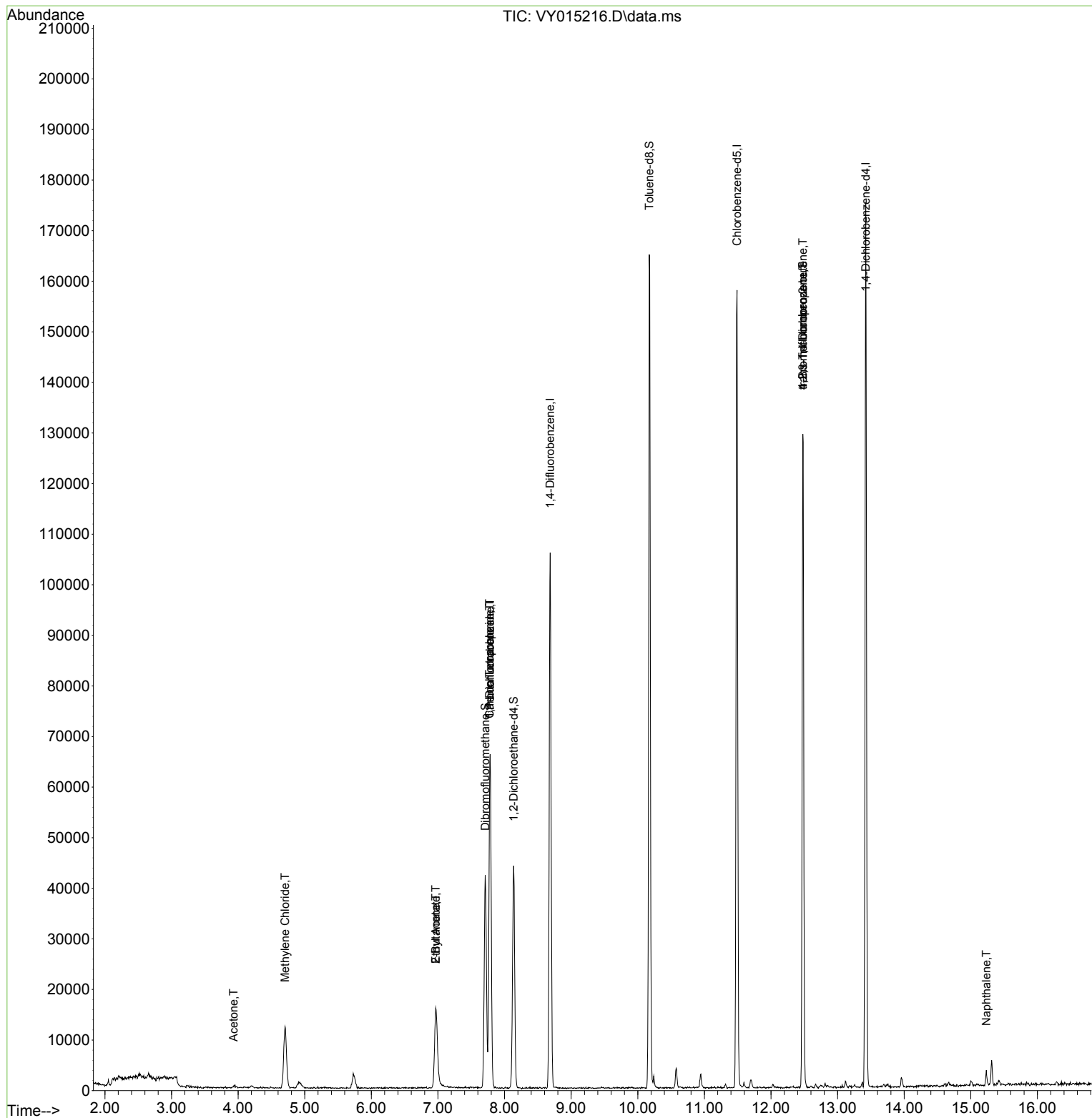
Internal Standards						
1) Pentafluorobenzene	7.783	168	54041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	91294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	89586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	43862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	33841	52.166	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.340%			
35) Dibromofluoromethane	7.710	113	29114	49.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.173	98	108061	49.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.477	95	39511	49.478	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	230	Below Cal	#	65
11) Tert butyl alcohol	4.924	59	1234	Below Cal	#	89
16) Acetone	3.930	43	397	1.873	ug/l #	46
20) Methylene Chloride	4.704	84	9022	14.706	ug/l #	85
25) 2-Butanone	6.966	43	1089	3.629	ug/l #	49
31) Cyclohexane	7.783	56	1088	Below Cal	#	13
36) 1,1-Dichloropropene	7.777	75	4292	6.605	ug/l #	50
37) Ethyl Acetate	6.966	43	1089	1.798	ug/l #	1
38) Carbon Tetrachloride	7.777	117	5136	6.679	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	21159	39.706	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	21159	87.214	ug/l #	11
95) Naphthalene	15.233	128	2534	1.244	ug/l #	89

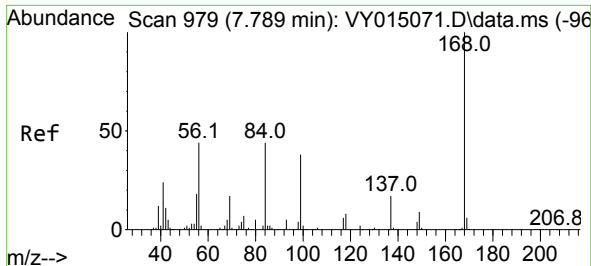
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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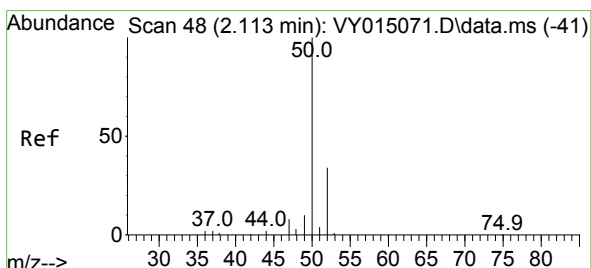
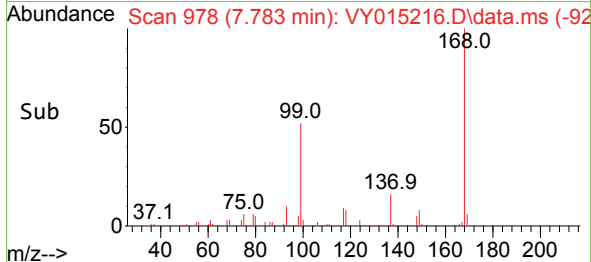
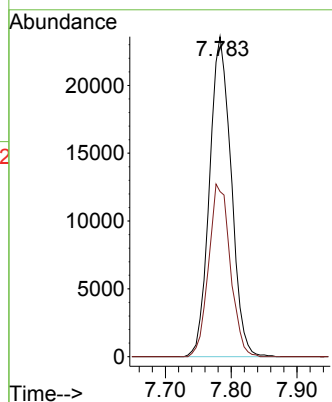
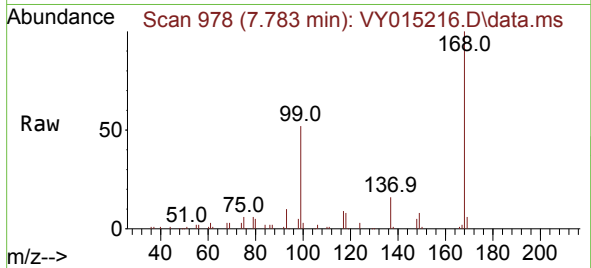




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

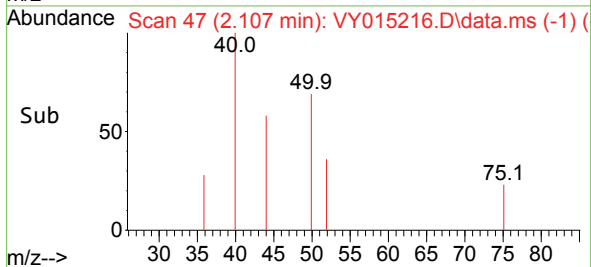
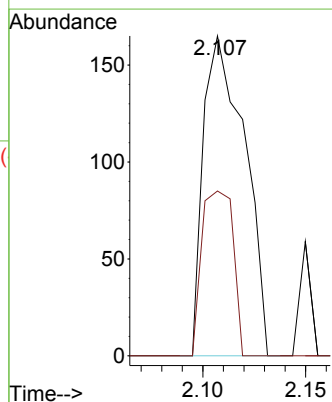
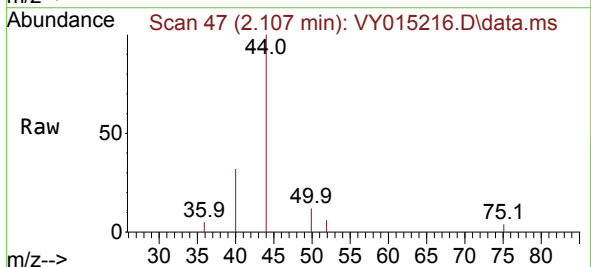
Instrument :
MSVOA_Y
ClientSampleId :

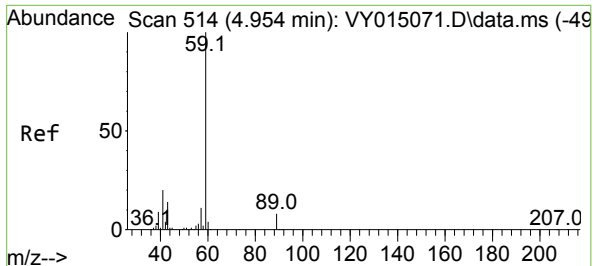
Tgt Ion:168 Resp: 54041
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 51.5 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

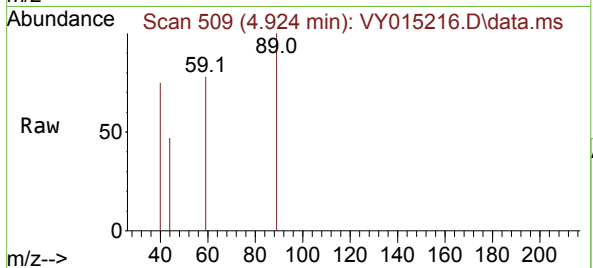
Lab File: VY015216.D

Acq: 21 Aug 2023 13:28

Instrument :

MSVOA_Y

ClientSampleId :

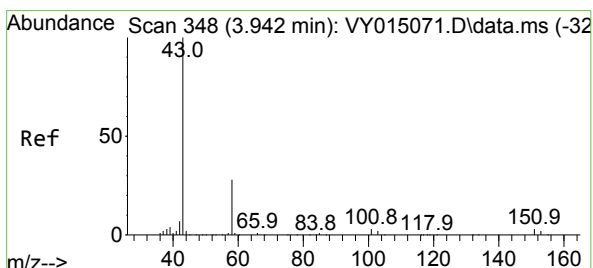
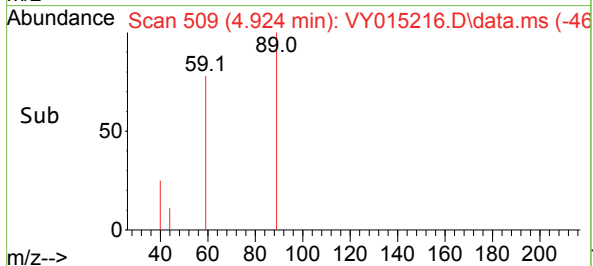
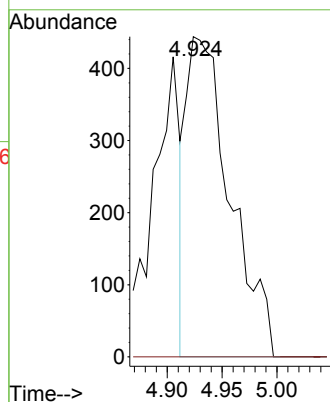


Tgt Ion: 59 Resp: 1234

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 1.873 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.012 min

Lab File: VY015216.D

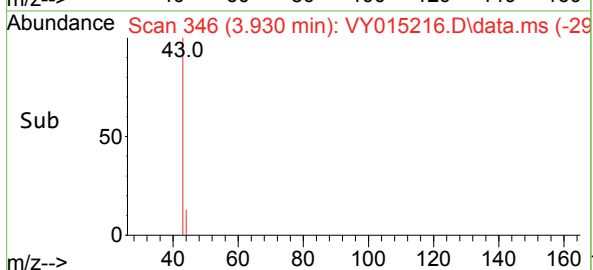
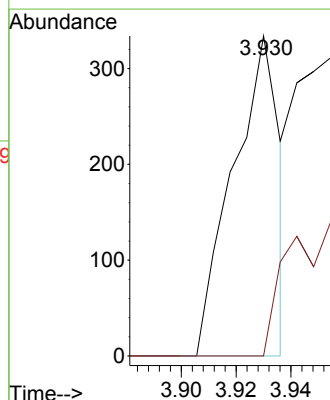
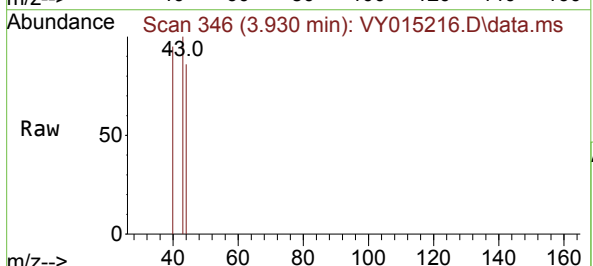
Acq: 21 Aug 2023 13:28

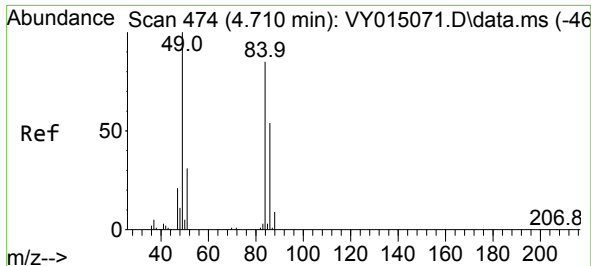
Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

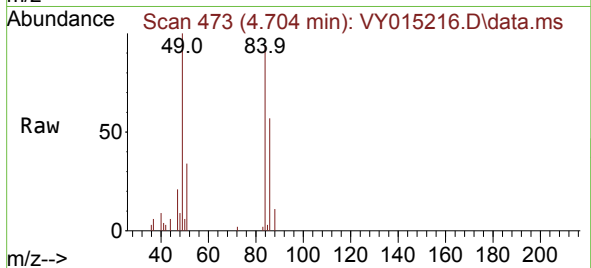
58 0.0 22.7 34.1#



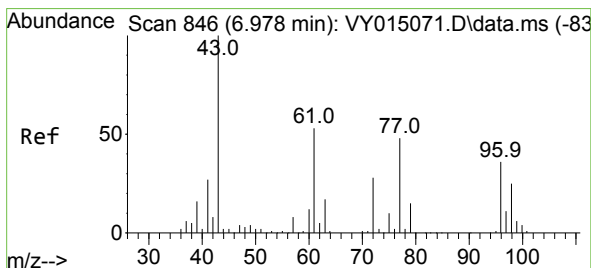
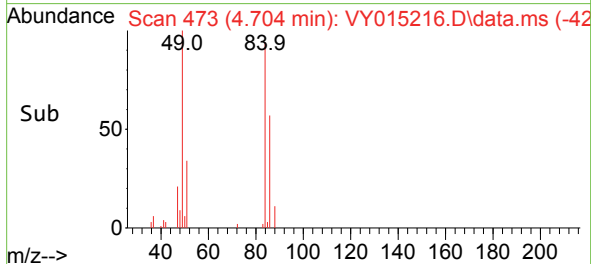
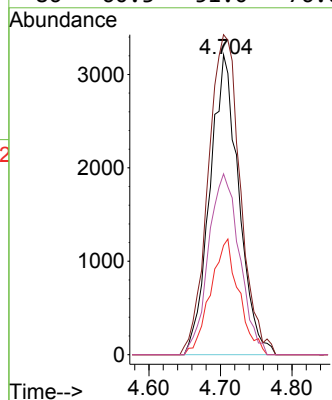


#20
Methylene Chloride
Concen: 14.706 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

Instrument :
MSVOA_Y
ClientSampleId :

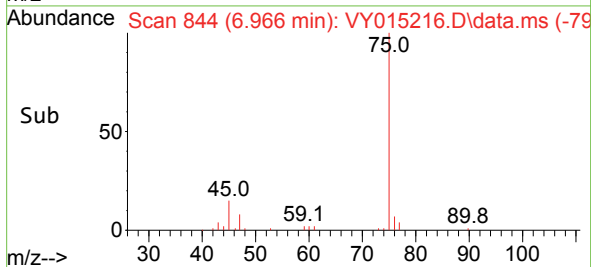
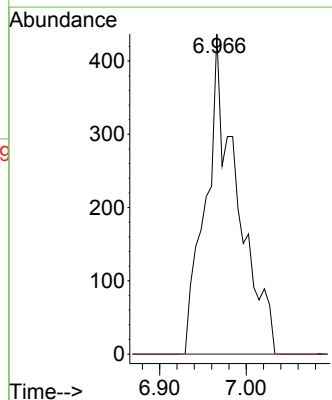
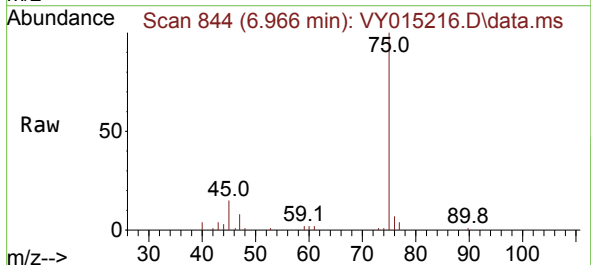


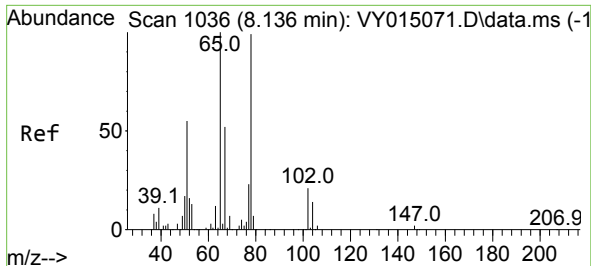
Tgt Ion: 84 Resp: 9022
Ion Ratio Lower Upper
84 100
49 106.7 106.9 160.3#
51 36.4 33.2 49.8
86 60.3 51.0 76.6



#25
2-Butanone
Concen: 3.629 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 52.166 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015216.D

Acq: 21 Aug 2023 13:28

Instrument :

MSVOA_Y

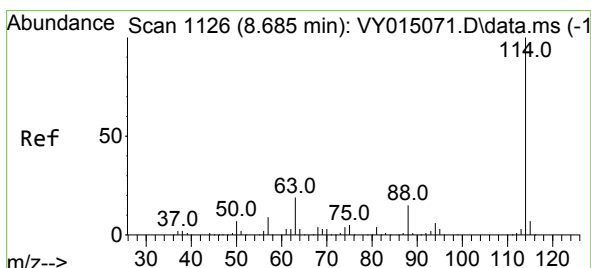
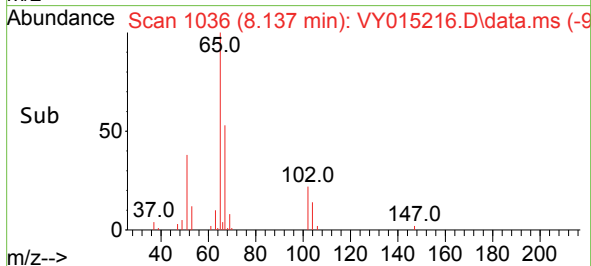
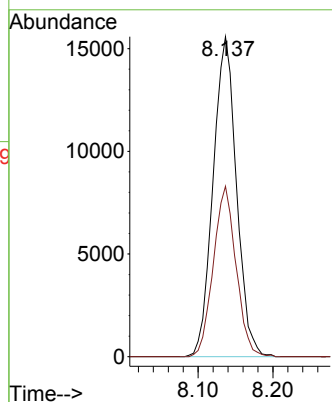
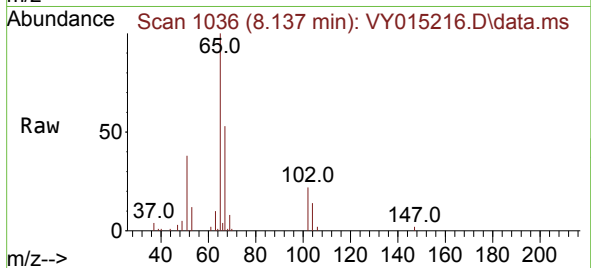
ClientSampleId :

Tgt Ion: 65 Resp: 33841

Ion Ratio Lower Upper

65 100

67 51.7 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: VY015216.D

Acq: 21 Aug 2023 13:28

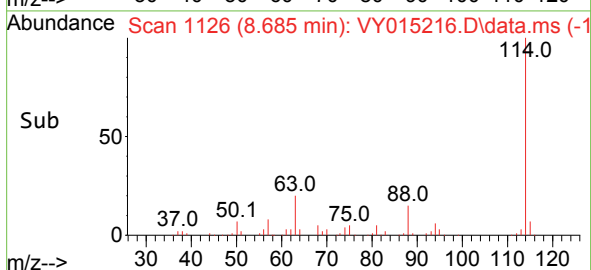
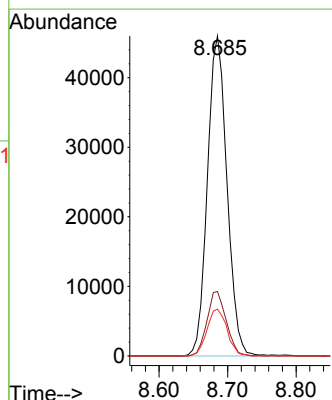
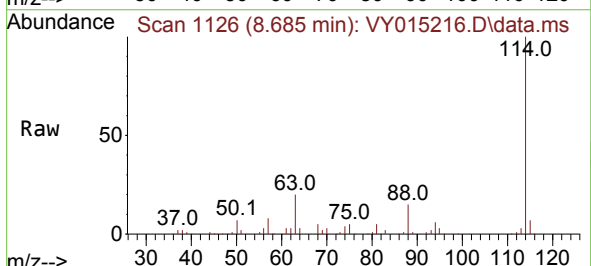
Tgt Ion: 114 Resp: 91294

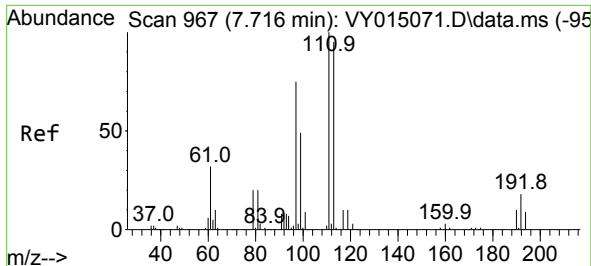
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.6 0.0 30.6

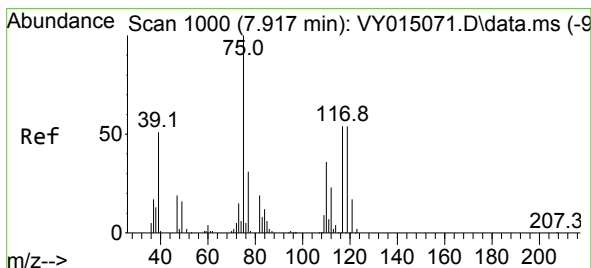
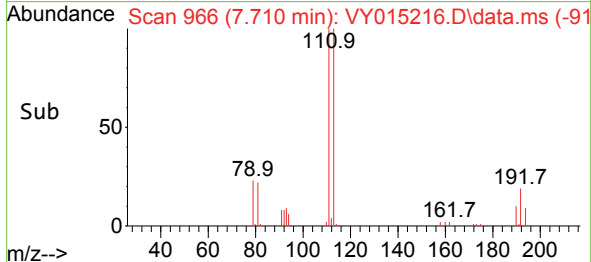
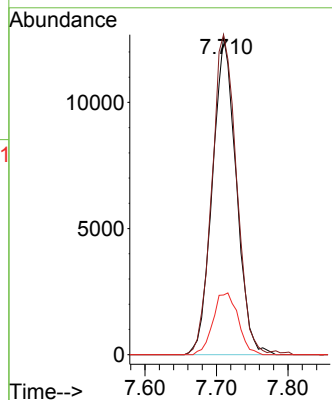
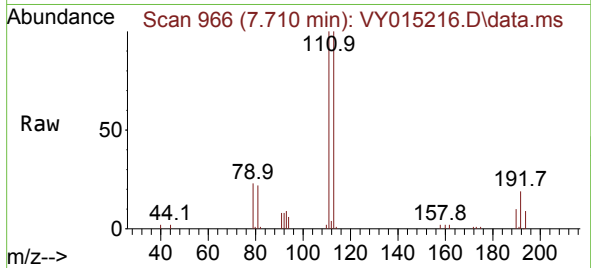




#35
Dibromofluoromethane
Concen: 49.570 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

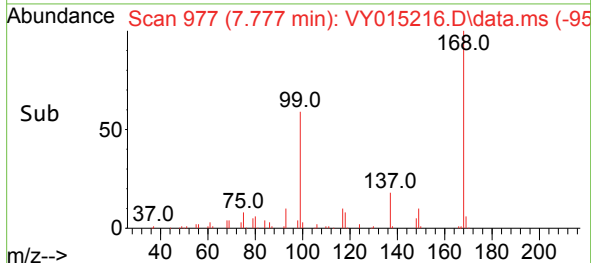
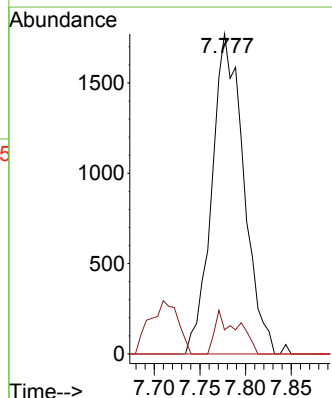
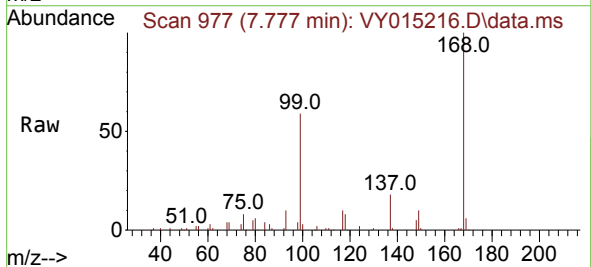
Instrument :
MSVOA_Y
ClientSampleId :

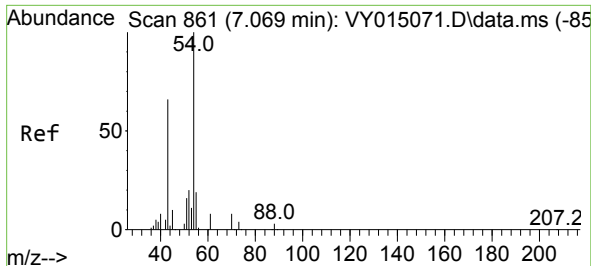
Tgt Ion:113 Resp: 29114
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.605 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

Tgt Ion: 75 Resp: 4292
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.798 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.103 min

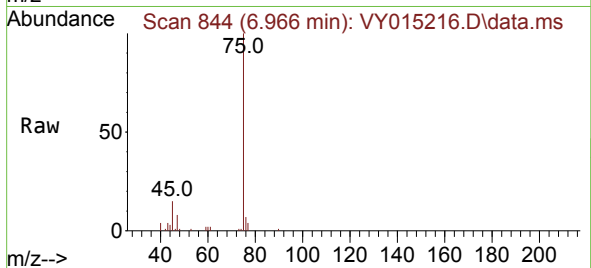
Lab File: VY015216.D

Acq: 21 Aug 2023 13:28

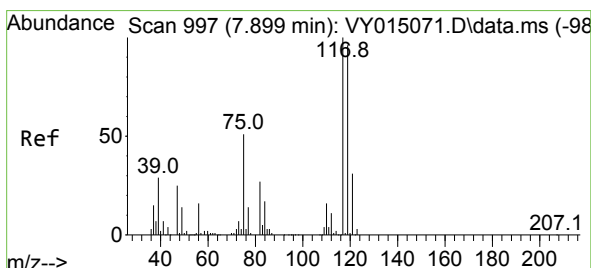
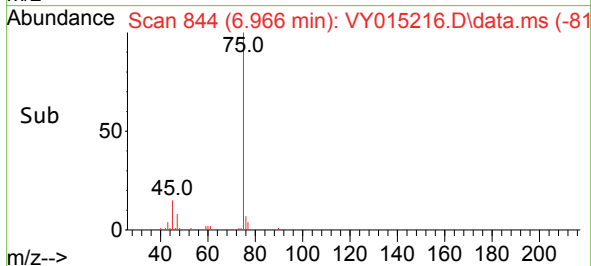
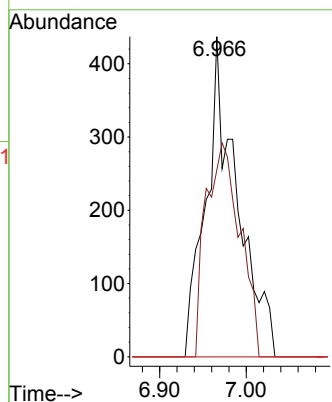
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1089
Ion	Ratio	Lower	Upper
43	100		
61	73.6	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.679 ug/l

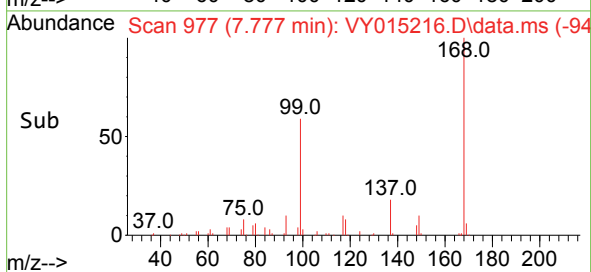
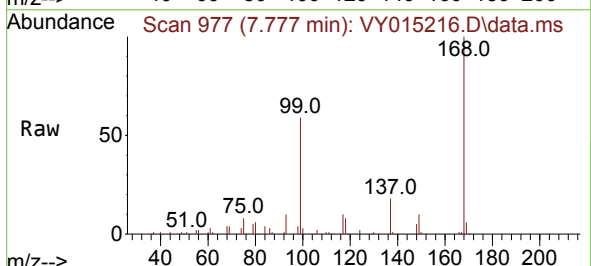
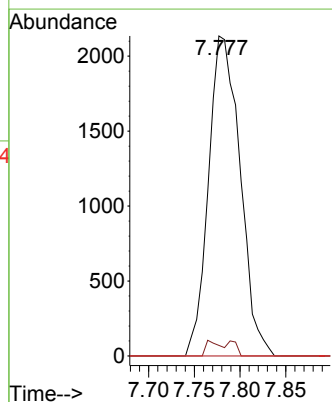
RT: 7.777 min Scan# 977

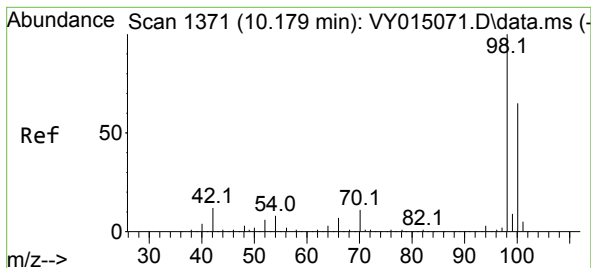
Delta R.T. -0.122 min

Lab File: VY015216.D

Acq: 21 Aug 2023 13:28

Tgt Ion:	117	Resp:	5136
Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.4	114.6#
121	0.0	25.8	38.6#

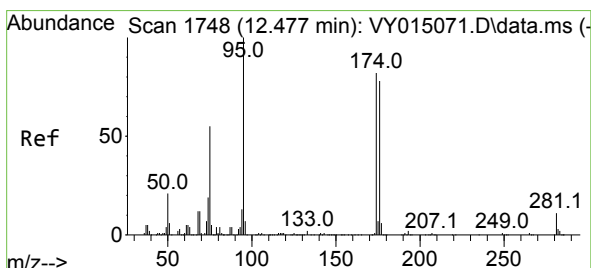
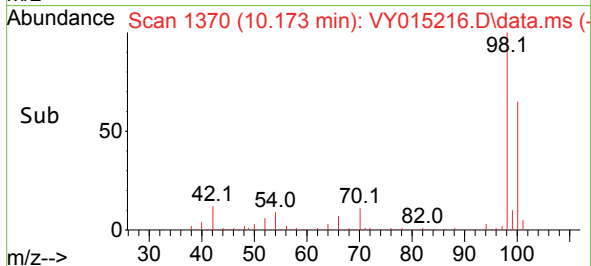
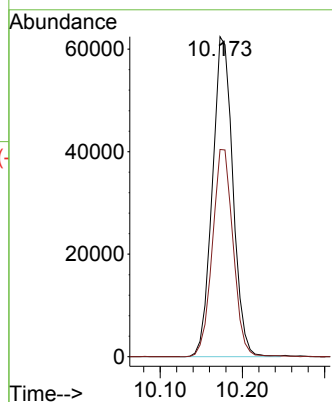
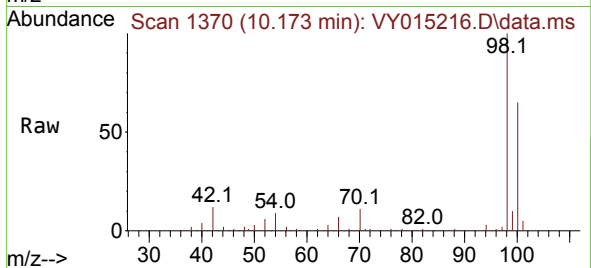




#50
Toluene-d8
Concen: 49.425 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

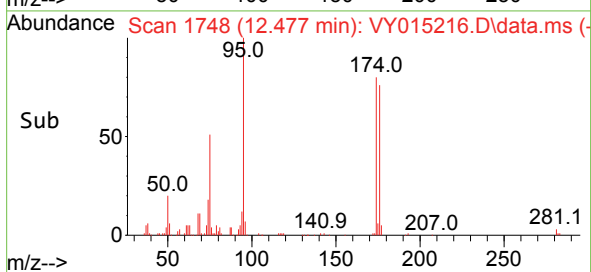
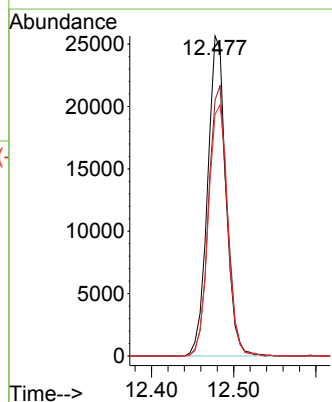
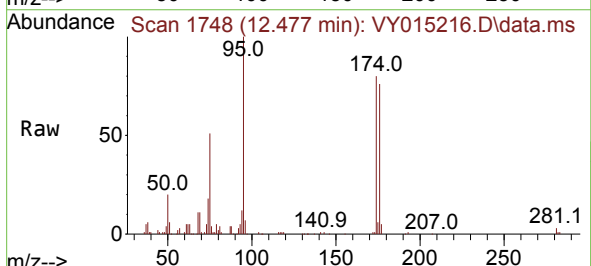
Instrument :
MSVOA_Y
ClientSampleId :

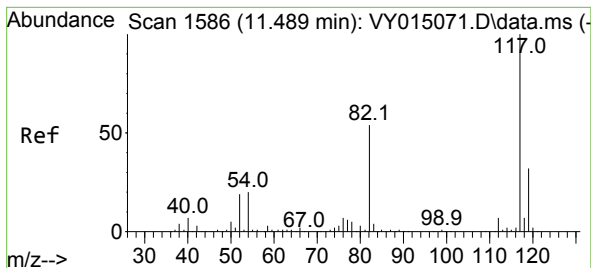
Tgt Ion: 98 Resp: 108061
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.478 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

Tgt Ion: 95 Resp: 39511
Ion Ratio Lower Upper
95 100
174 86.3 0.0 178.2
176 83.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015216.D

Acq: 21 Aug 2023 13:28

Instrument :

MSVOA_Y

ClientSampleId :

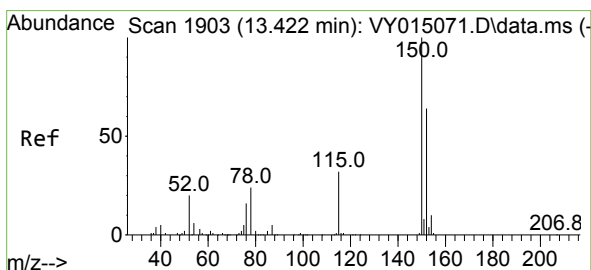
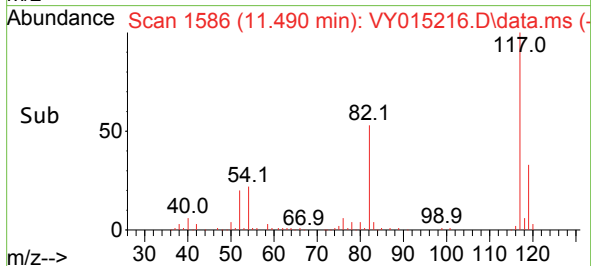
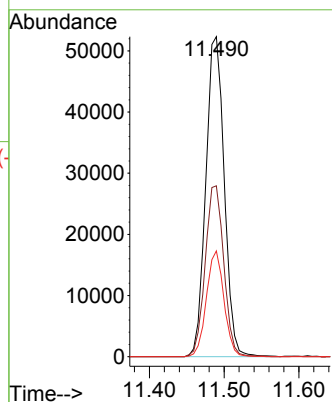
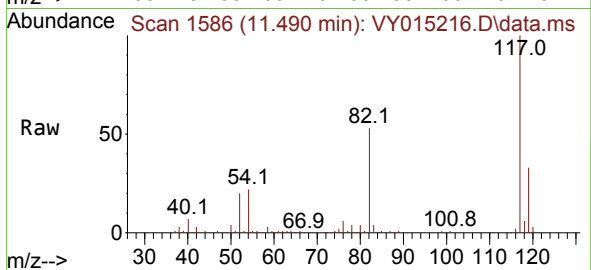
Tgt Ion:117 Resp: 89586

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 33.0 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: VY015216.D

Acq: 21 Aug 2023 13:28

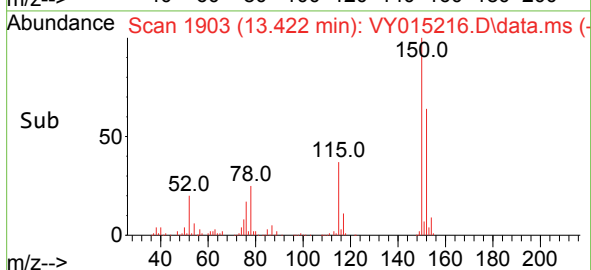
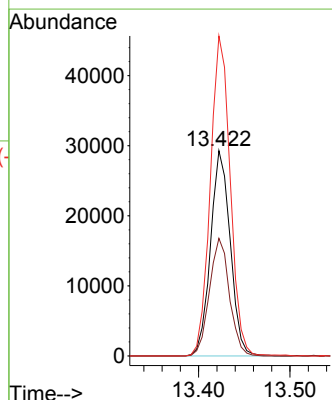
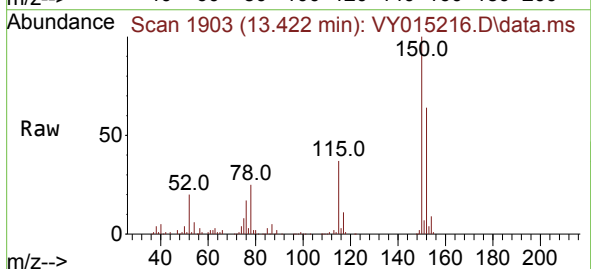
Tgt Ion:152 Resp: 43862

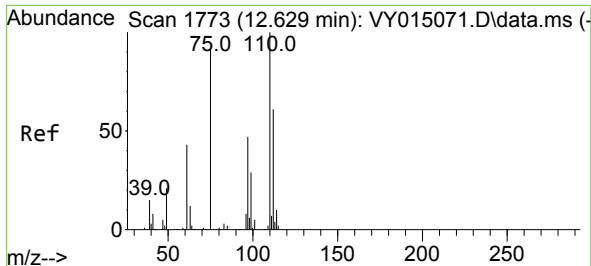
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.4 0.0 348.8

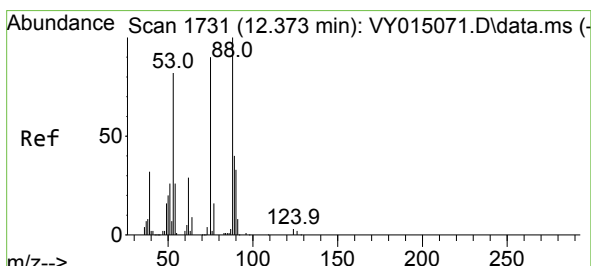
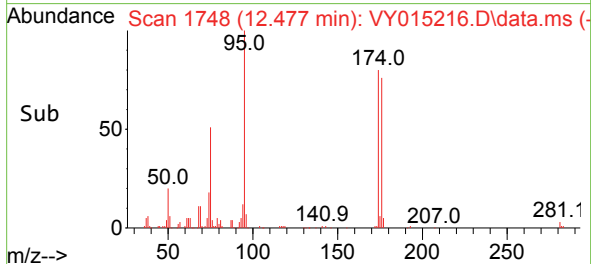
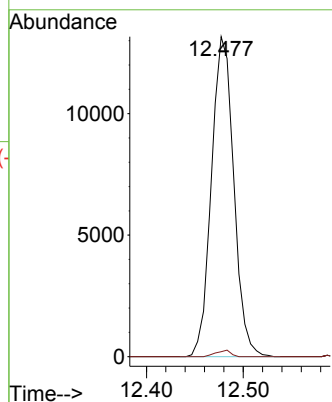
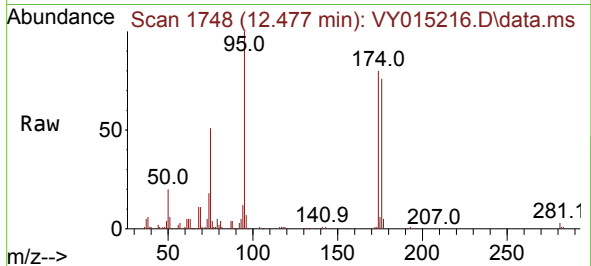




#76
1,2,3-Trichloropropane
Concen: 39.706 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

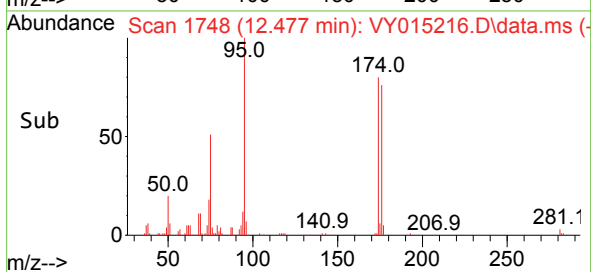
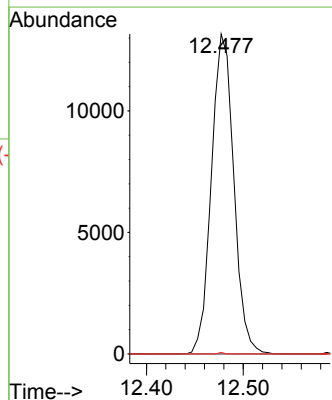
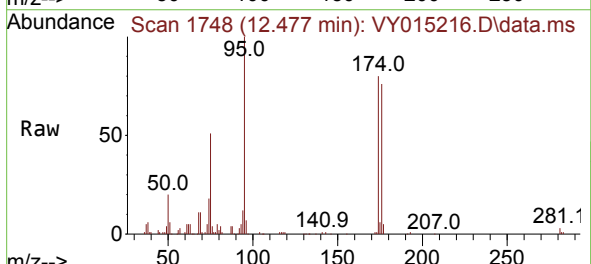
Instrument :
MSVOA_Y
ClientSampleId :

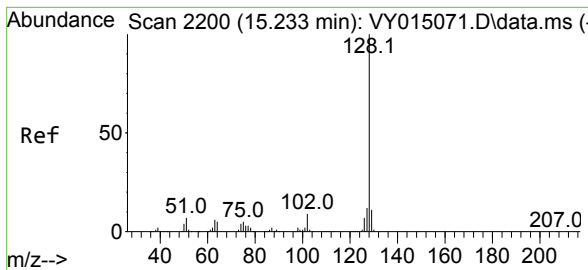
Tgt Ion: 75 Resp: 21159
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.214 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

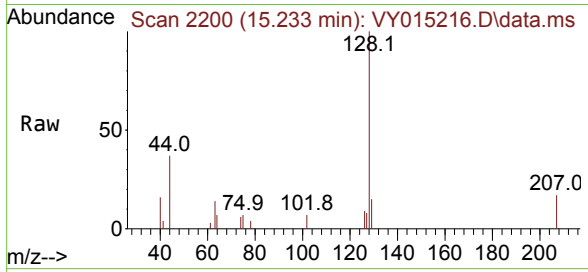
Tgt Ion: 75 Resp: 21159
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 1.244 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015216.D
Acq: 21 Aug 2023 13:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	2534
Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.8	16.2#
129	6.9	8.6	13.0#

