

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015120.D
 Acq On : 15 Aug 2023 22:34
 Operator : SY/MD
 Sample : VY0815SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 01:34:47 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)

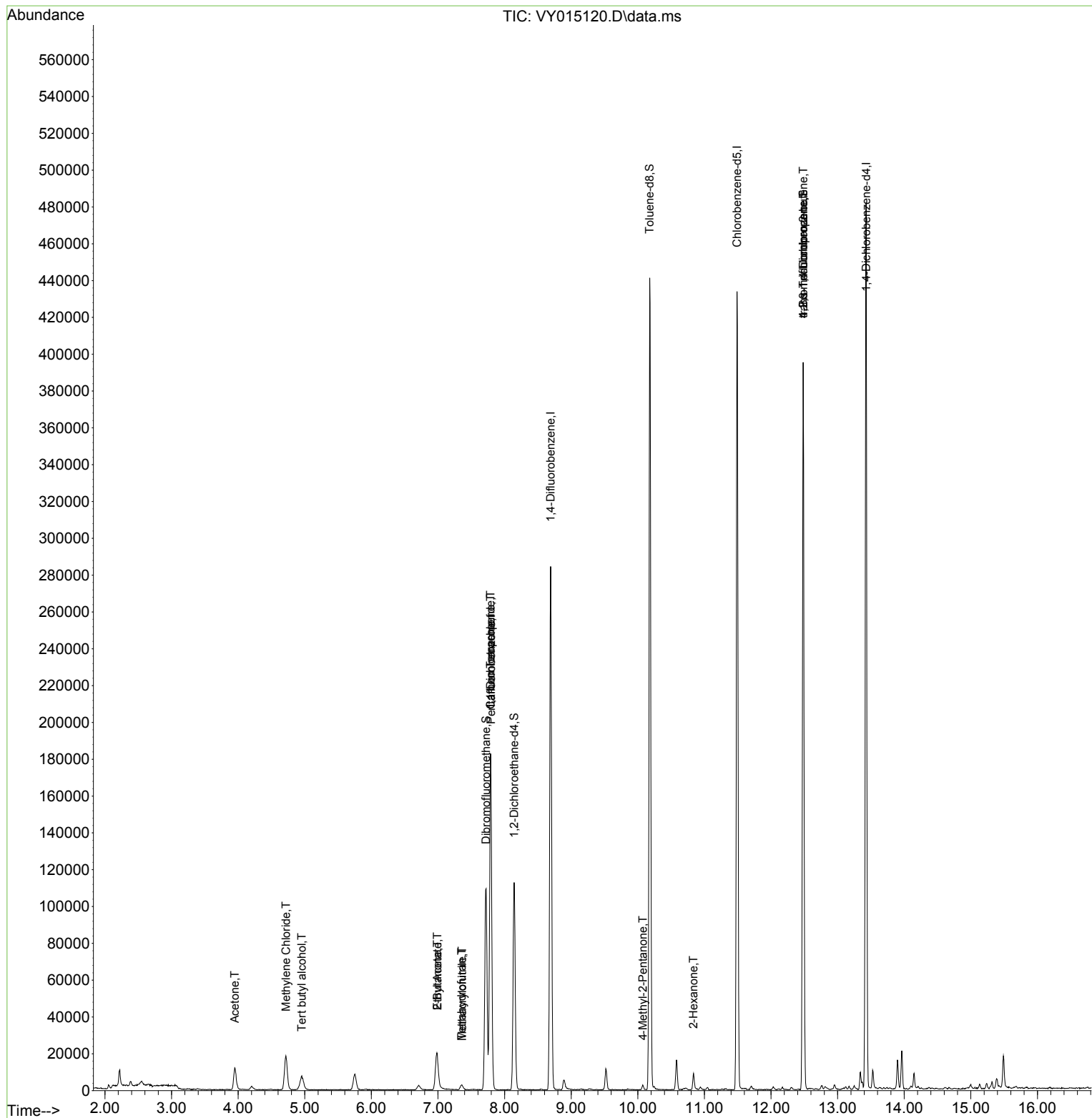
Internal Standards						
1) Pentafluorobenzene	7.795	168	141659	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	245704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	90064	52.964	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.920%			
35) Dibromofluoromethane	7.722	113	78234	49.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.980%			
50) Toluene-d8	10.179	98	293744	49.920	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.483	95	111641	51.945	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.900%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	427	Below Cal	#	43
5) Bromomethane	2.674	94	378	Below Cal	#	72
11) Tert butyl alcohol	4.954	59	13969	36.029	ug/l #	92
16) Acetone	3.948	43	21325	38.387	ug/l	100
20) Methylene Chloride	4.716	84	14059	6.825	ug/l #	82
25) 2-Butanone	6.990	43	6599	8.390	ug/l	93
29) Tetrahydrofuran	7.356	42	2052	4.363	ug/l #	91
31) Cyclohexane	7.783	56	3229	Below Cal	#	31
36) 1,1-Dichloropropene	7.789	75	10781	6.165	ug/l #	51
37) Ethyl Acetate	6.990	43	6599	4.048	ug/l #	90
38) Carbon Tetrachloride	7.789	117	14308	6.913	ug/l #	17
41) Methacrylonitrile	7.362	41	1246	1.482	ug/l #	41
51) 4-Methyl-2-Pentanone	10.075	43	1847	1.074	ug/l	93
59) 2-Hexanone	10.837	43	5886	4.623	ug/l	93
76) 1,2,3-Trichloropropane	12.483	75	59837	40.160	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59837	88.210	ug/l #	10

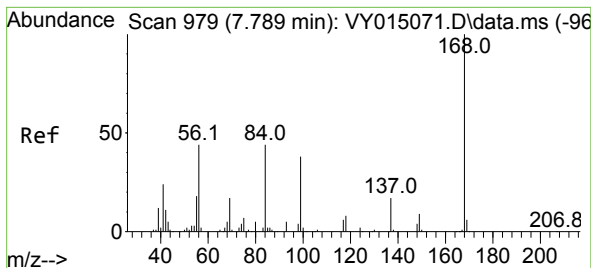
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015120.D

Acq: 15 Aug 2023 22:34

Instrument :

MSVOA_Y

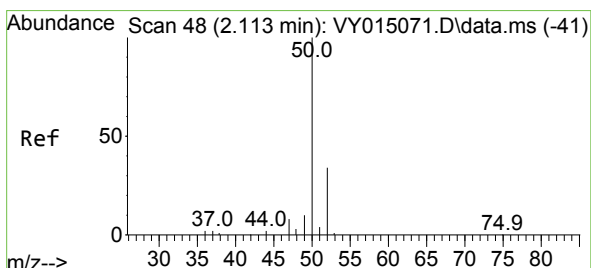
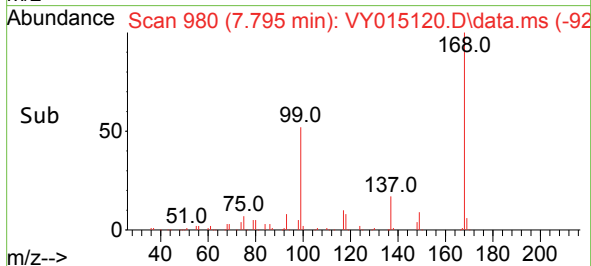
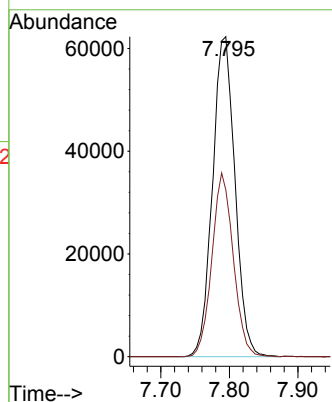
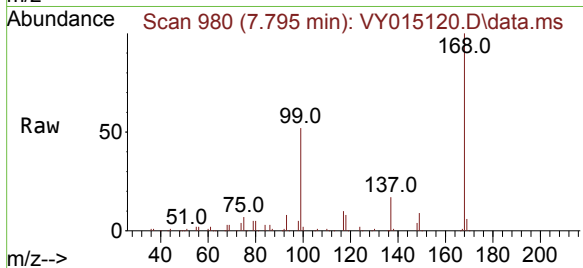
ClientSampleId :

Tgt Ion:168 Resp: 141659

Ion Ratio Lower Upper

168 100

99 52.1 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015120.D

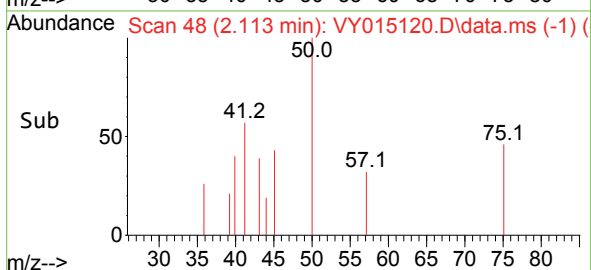
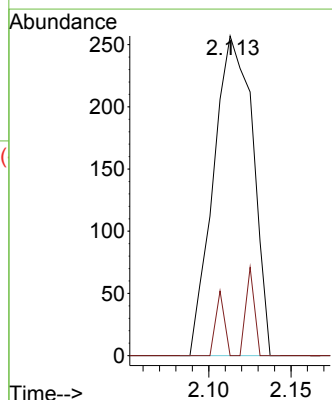
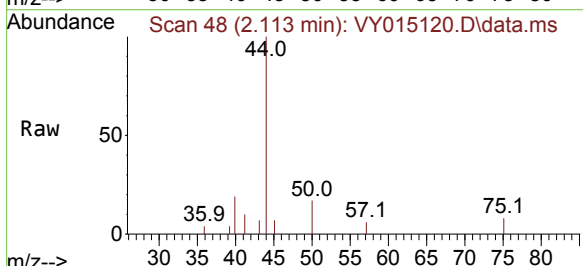
Acq: 15 Aug 2023 22:34

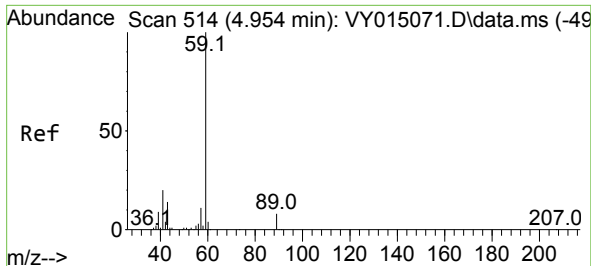
Tgt Ion: 50 Resp: 427

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#

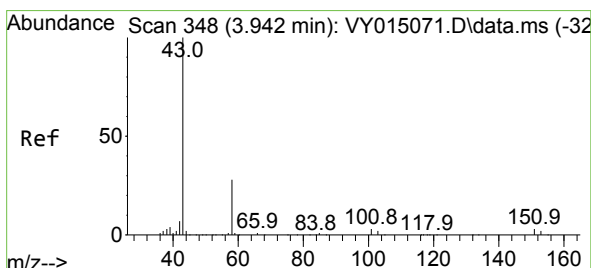
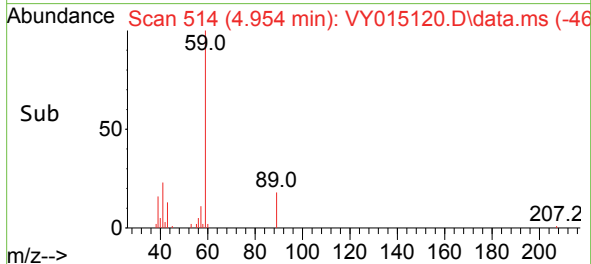
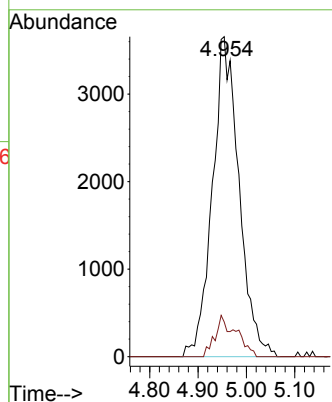
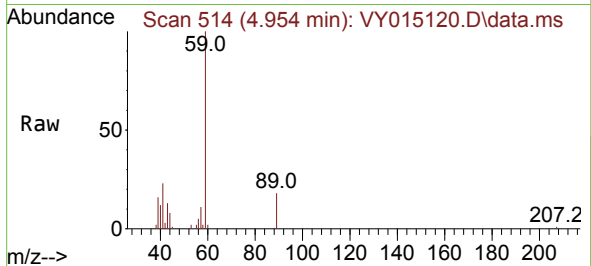




#11
Tert butyl alcohol
Concen: 36.029 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

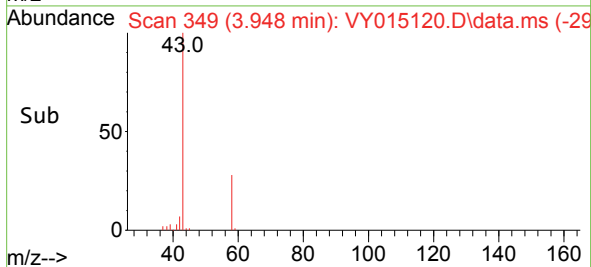
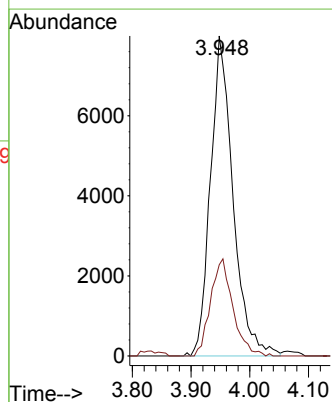
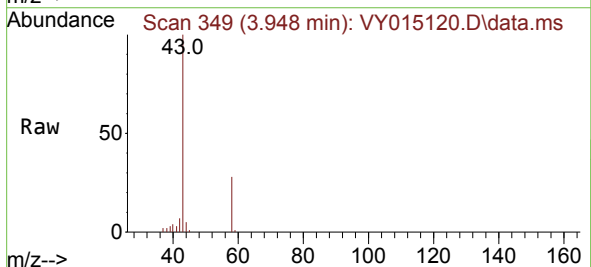
Instrument :
MSVOA_Y
ClientSampleId :

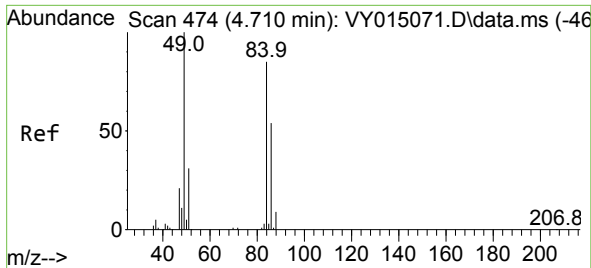
Tgt Ion: 59 Resp: 13969
Ion Ratio Lower Upper
59 100
57 6.2 3.0 4.4#



#16
Acetone
Concen: 38.387 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

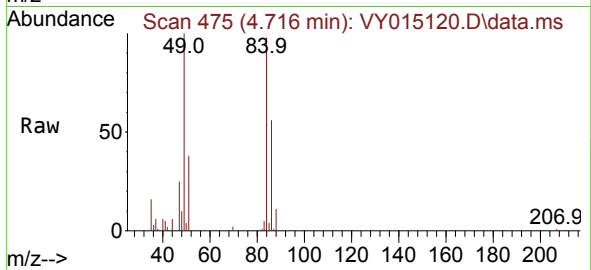
Tgt Ion: 43 Resp: 21325
Ion Ratio Lower Upper
43 100
58 28.5 22.7 34.1



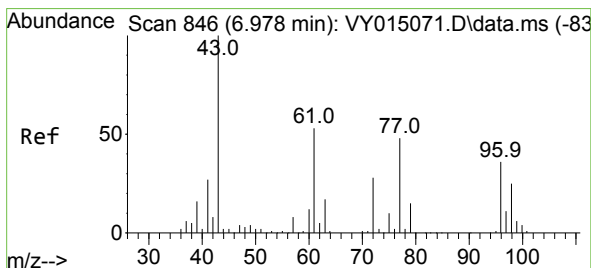
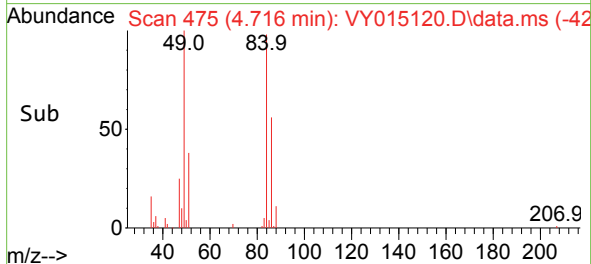
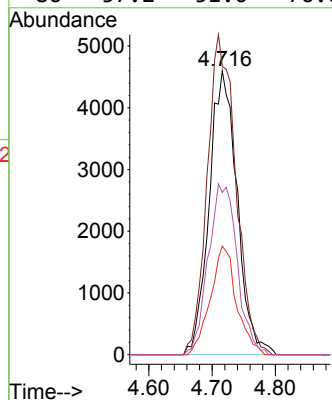


#20
Methylene Chloride
Concen: 6.825 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

Instrument :
MSVOA_Y
ClientSampleId :

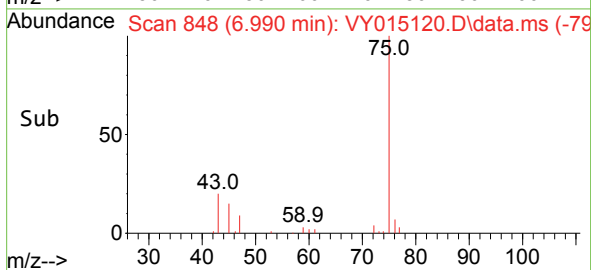
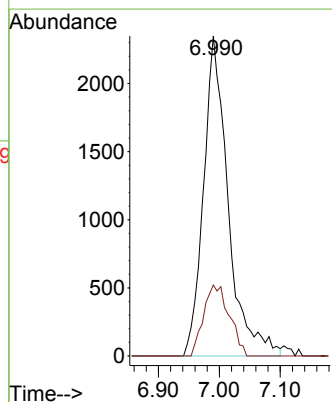
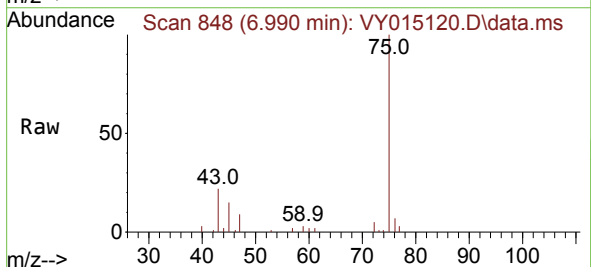


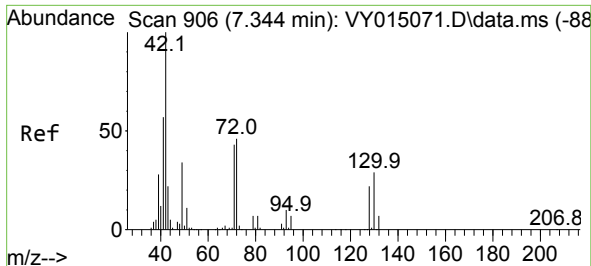
Tgt Ion: 84 Resp: 14059
Ion Ratio Lower Upper
84 100
49 101.6 106.9 160.3#
51 38.2 33.2 49.8
86 57.2 51.0 76.6



#25
2-Butanone
Concen: 8.390 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

Tgt Ion: 43 Resp: 6599
Ion Ratio Lower Upper
43 100
72 22.2 20.5 30.7





#29

Tetrahydrofuran

Concen: 4.363 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

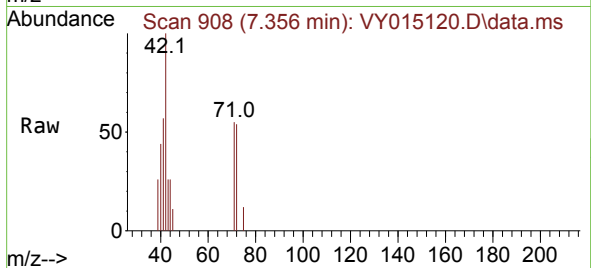
Lab File: VY015120.D

Acq: 15 Aug 2023 22:34

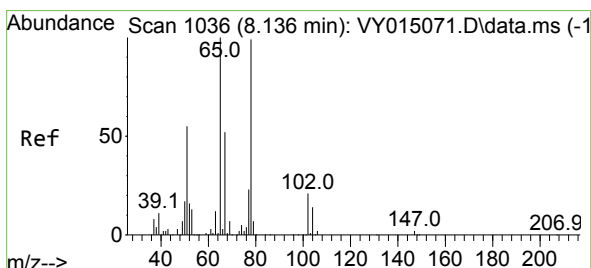
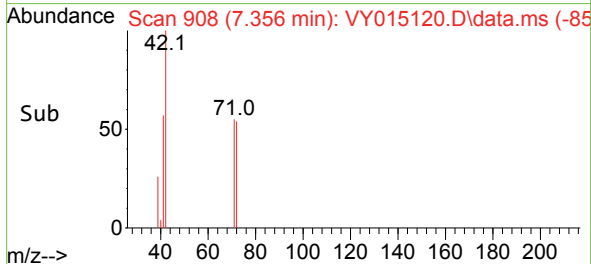
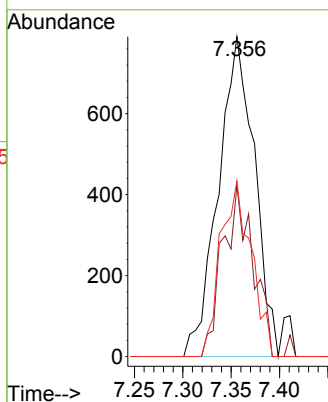
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	2052
Ion	Ratio	Lower	Upper
42	100		
72	44.9	32.8	49.2
71	46.4	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 52.964 ug/l

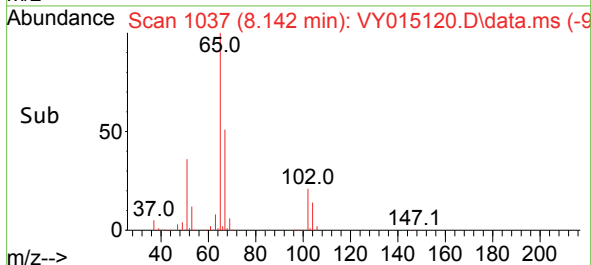
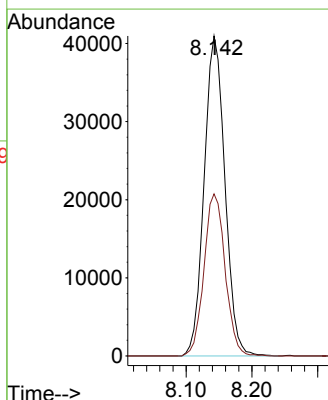
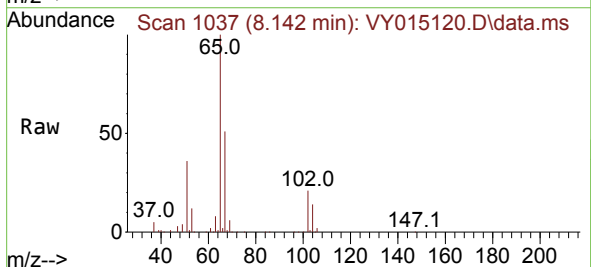
RT: 8.142 min Scan# 1037

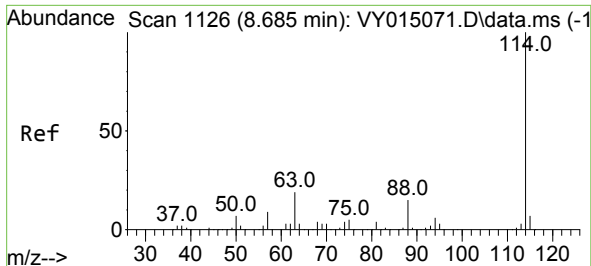
Delta R.T. 0.006 min

Lab File: VY015120.D

Acq: 15 Aug 2023 22:34

Tgt Ion:	65	Resp:	90064
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.8

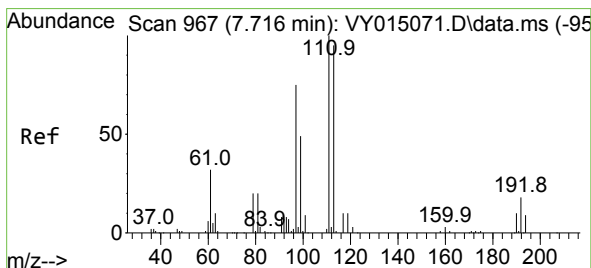
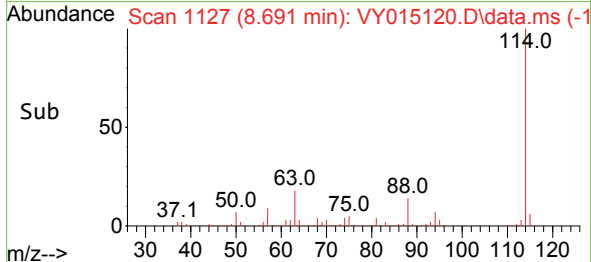
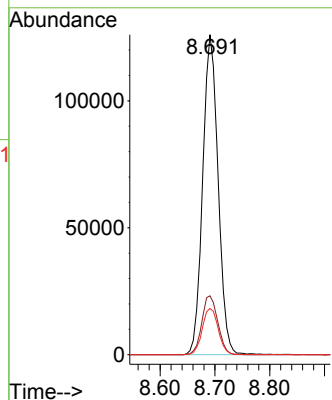
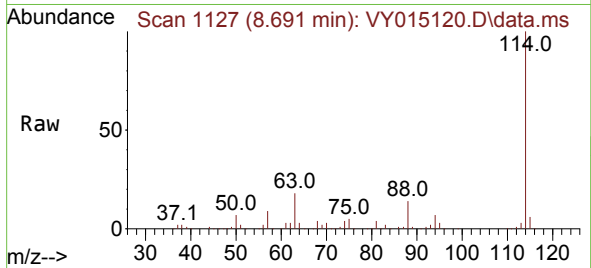




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

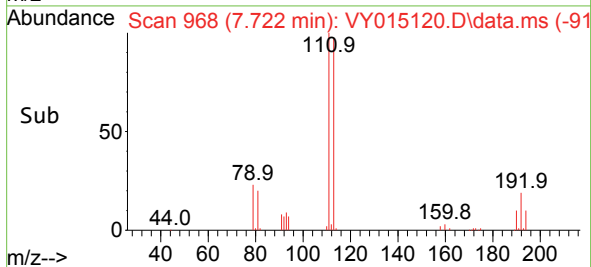
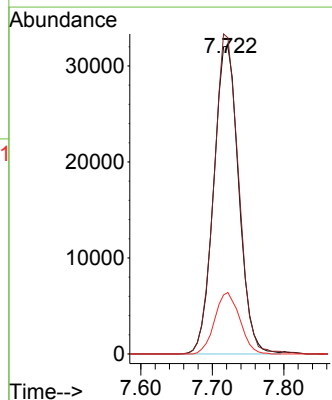
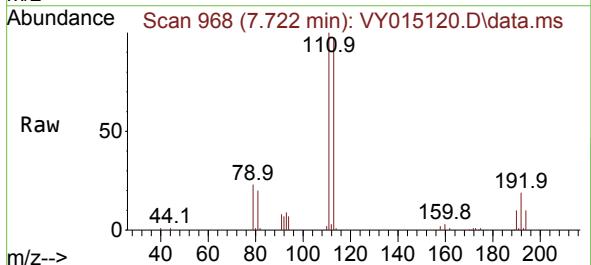
Instrument :
MSVOA_Y
ClientSampleId :

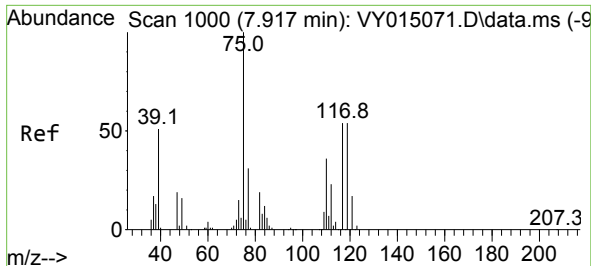
Tgt Ion:114 Resp: 245704
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.493 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

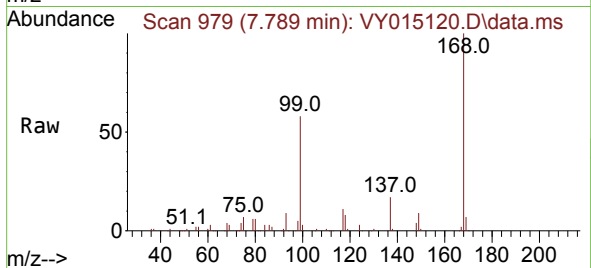
Tgt Ion:113 Resp: 78234
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.9 16.9 25.3



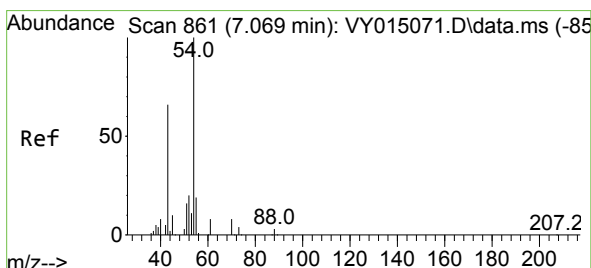
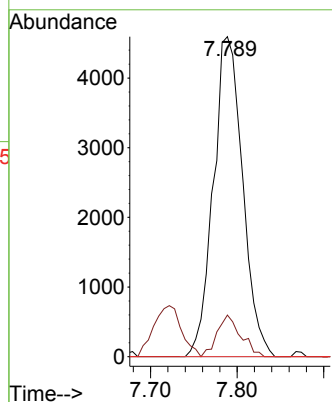
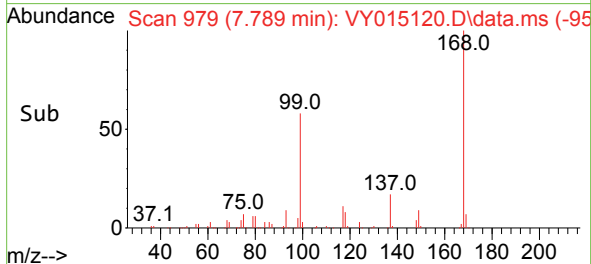


#36
 1,1-Dichloropropene
 Concen: 6.165 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015120.D
 Acq: 15 Aug 2023 22:34

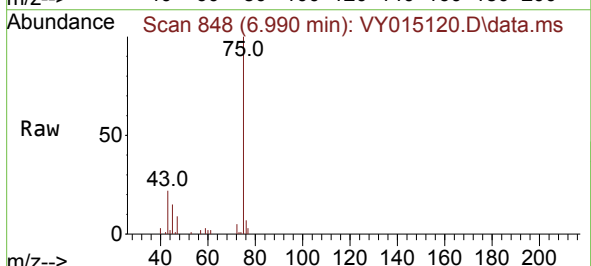
Instrument :
 MSVOA_Y
 ClientSampleId :



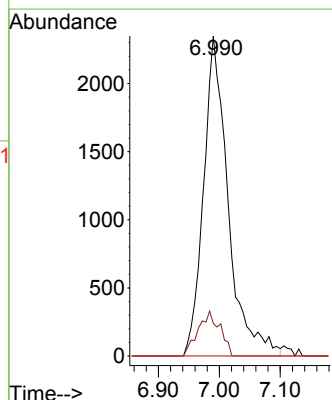
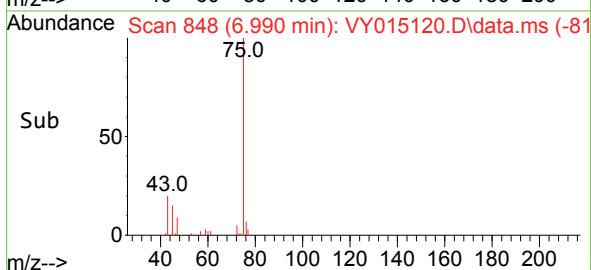
Tgt Ion: 75 Resp: 10781
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.8 53.5#
 77 0.0 24.4 36.6#

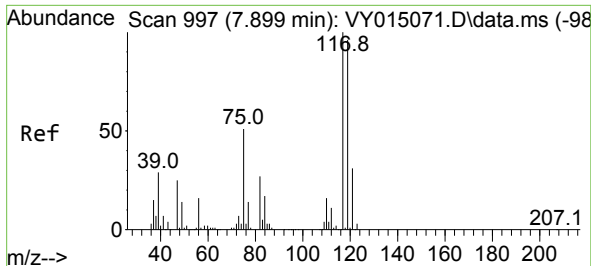


#37
 Ethyl Acetate
 Concen: 4.048 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. -0.079 min
 Lab File: VY015120.D
 Acq: 15 Aug 2023 22:34



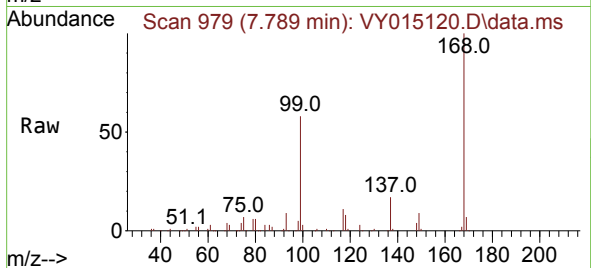
Tgt Ion: 43 Resp: 6599
 Ion Ratio Lower Upper
 43 100
 61 12.4 10.1 15.1
 70 0.0 7.1 10.7#



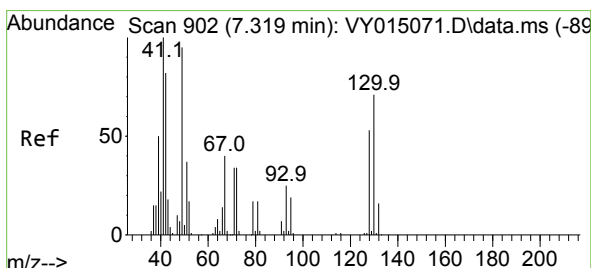
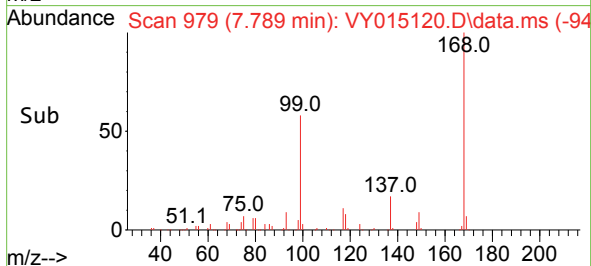
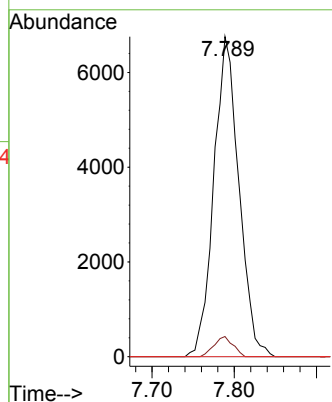


#38
Carbon Tetrachloride
Concen: 6.913 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

Instrument :
MSVOA_Y
ClientSampleId :

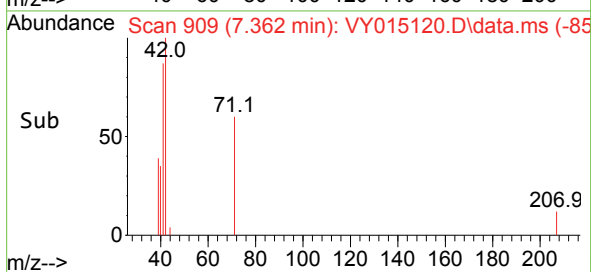
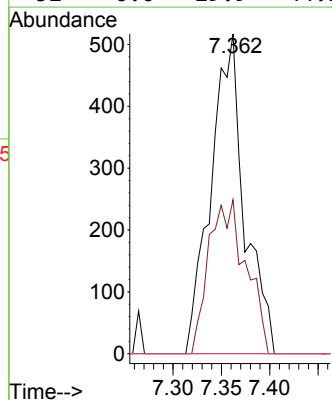
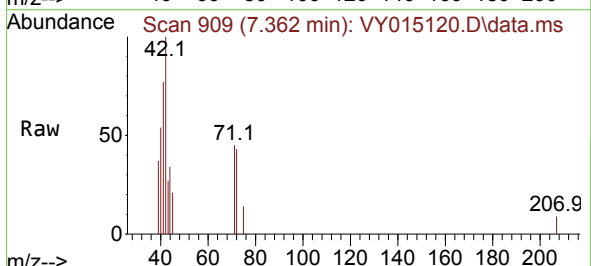


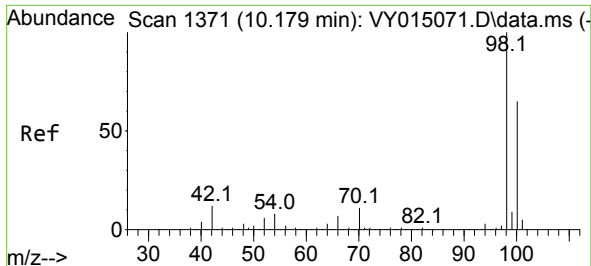
Tgt Ion:117 Resp: 14308
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.482 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.055 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

Tgt Ion: 41 Resp: 1246
Ion Ratio Lower Upper
41 100
39 53.4 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 49.920 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015120.D

Acq: 15 Aug 2023 22:34

Instrument :

MSVOA_Y

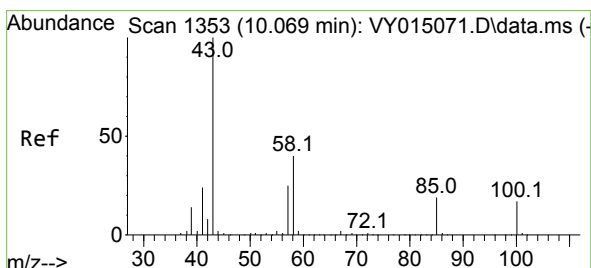
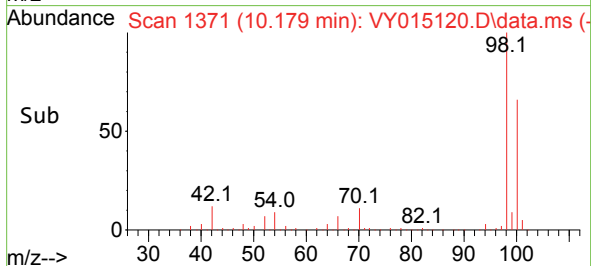
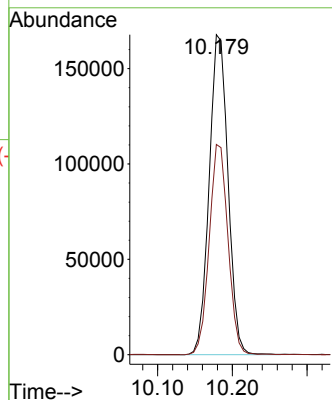
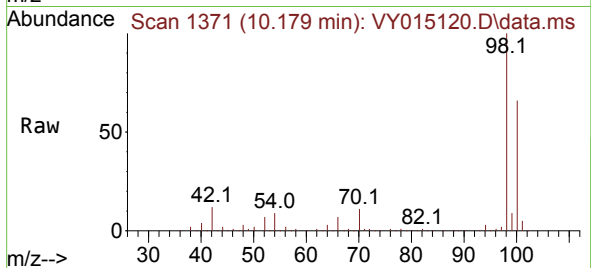
ClientSampleId :

Tgt Ion: 98 Resp: 293744

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.074 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY015120.D

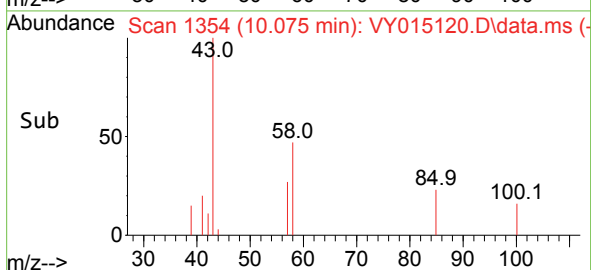
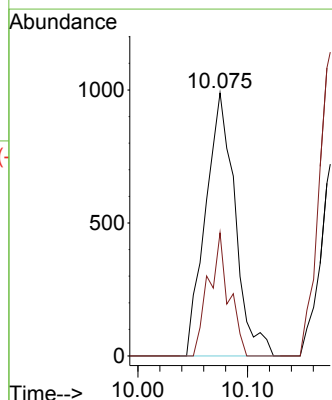
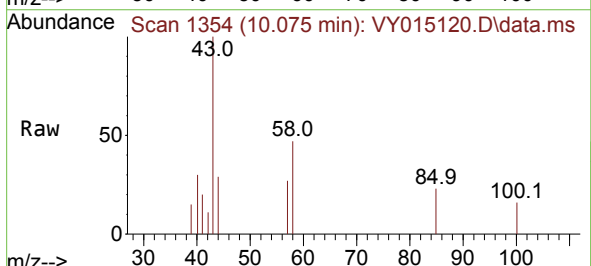
Acq: 15 Aug 2023 22:34

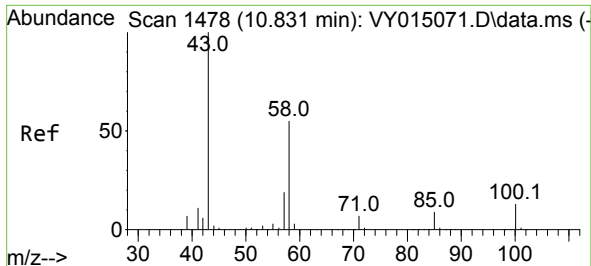
Tgt Ion: 43 Resp: 1847

Ion Ratio Lower Upper

43 100

58 32.4 29.0 43.6

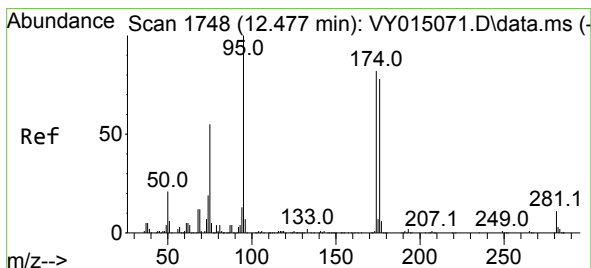
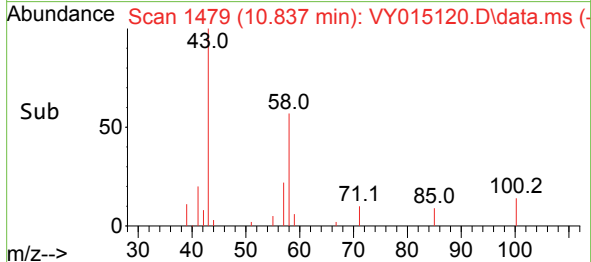
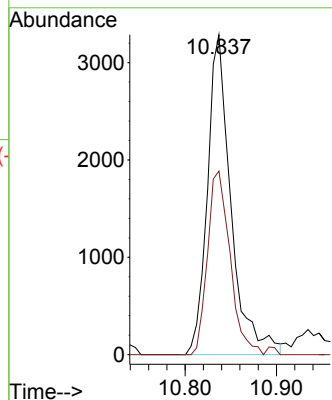
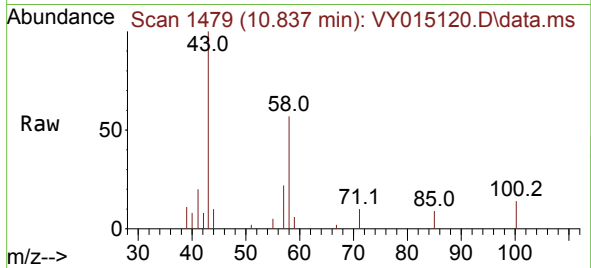




#59
2-Hexanone
Concen: 4.623 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

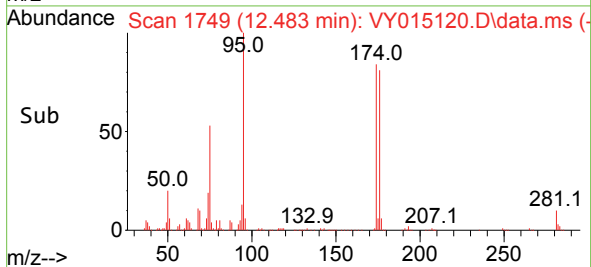
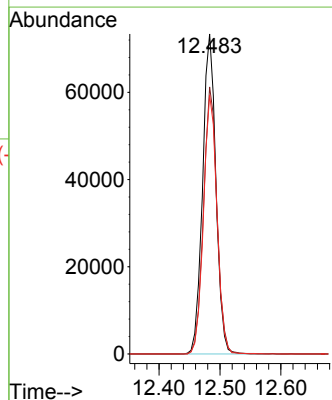
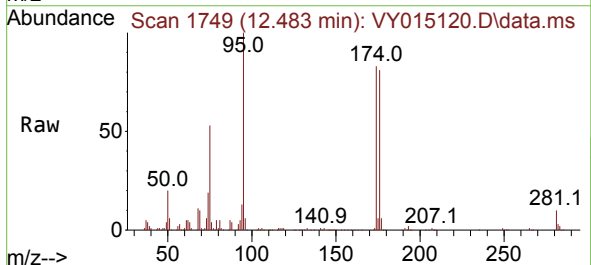
Instrument :
MSVOA_Y
ClientSampleId :

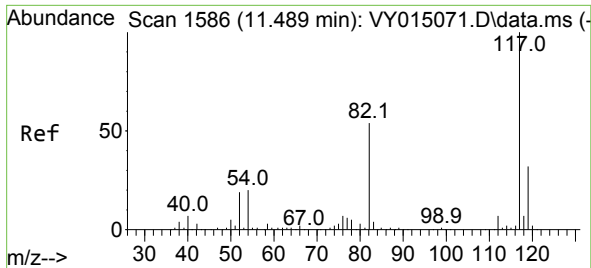
Tgt Ion: 43 Resp: 5886
Ion Ratio Lower Upper
43 100
58 54.8 25.1 75.3



#62
4-Bromofluorobenzene
Concen: 51.945 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

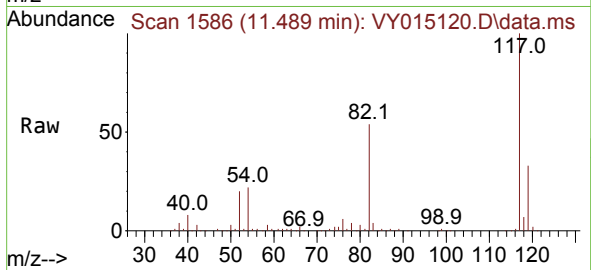
Tgt Ion: 95 Resp: 111641
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 82.1 0.0 173.8



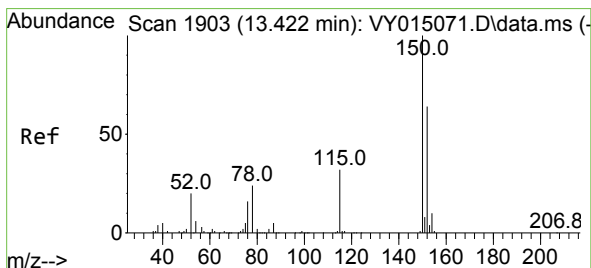
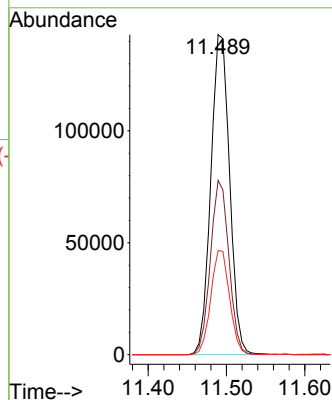
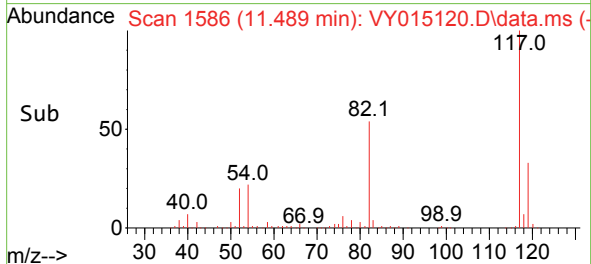


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34

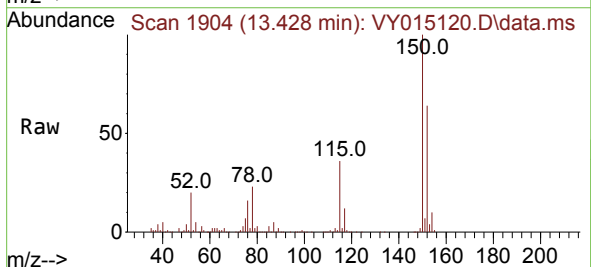
Instrument :
MSVOA_Y
ClientSampleId :



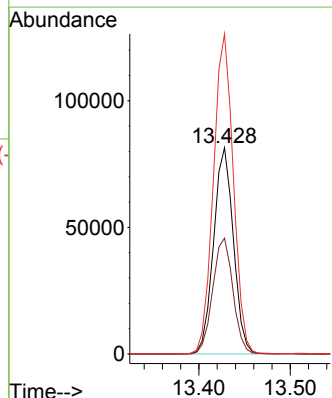
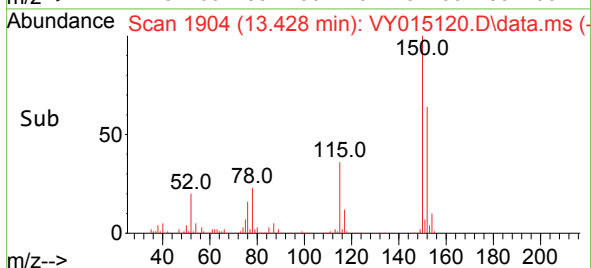
Tgt Ion:117 Resp: 238472
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.6 26.3 39.5

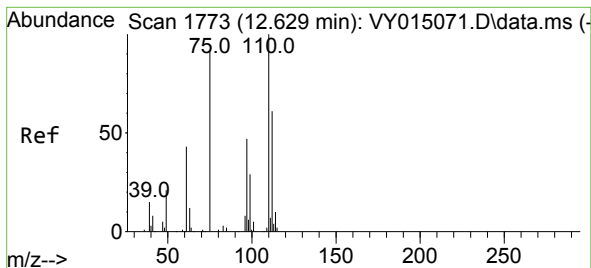


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015120.D
Acq: 15 Aug 2023 22:34



Tgt Ion:152 Resp: 122639
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 156.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.160 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015120.D

Acq: 15 Aug 2023 22:34

Instrument :

MSVOA_Y

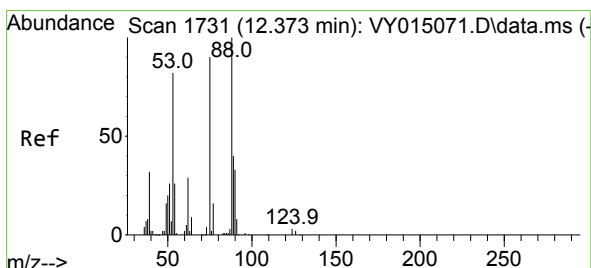
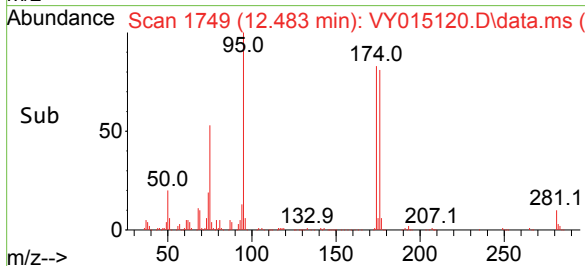
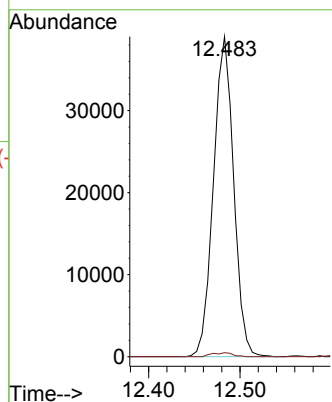
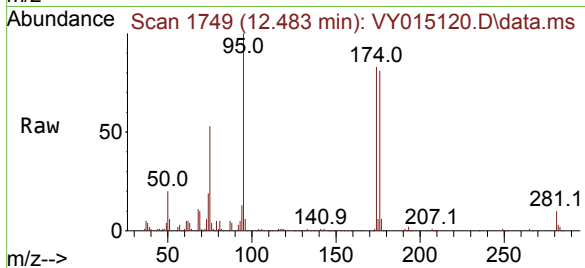
ClientSampleId :

Tgt Ion: 75 Resp: 59837

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.210 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015120.D

Acq: 15 Aug 2023 22:34

Tgt Ion: 75 Resp: 59837

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

