

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015192.D
 Acq On : 18 Aug 2023 13:50
 Operator : SY/MD
 Sample : 04086-03
 Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:08:41 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)

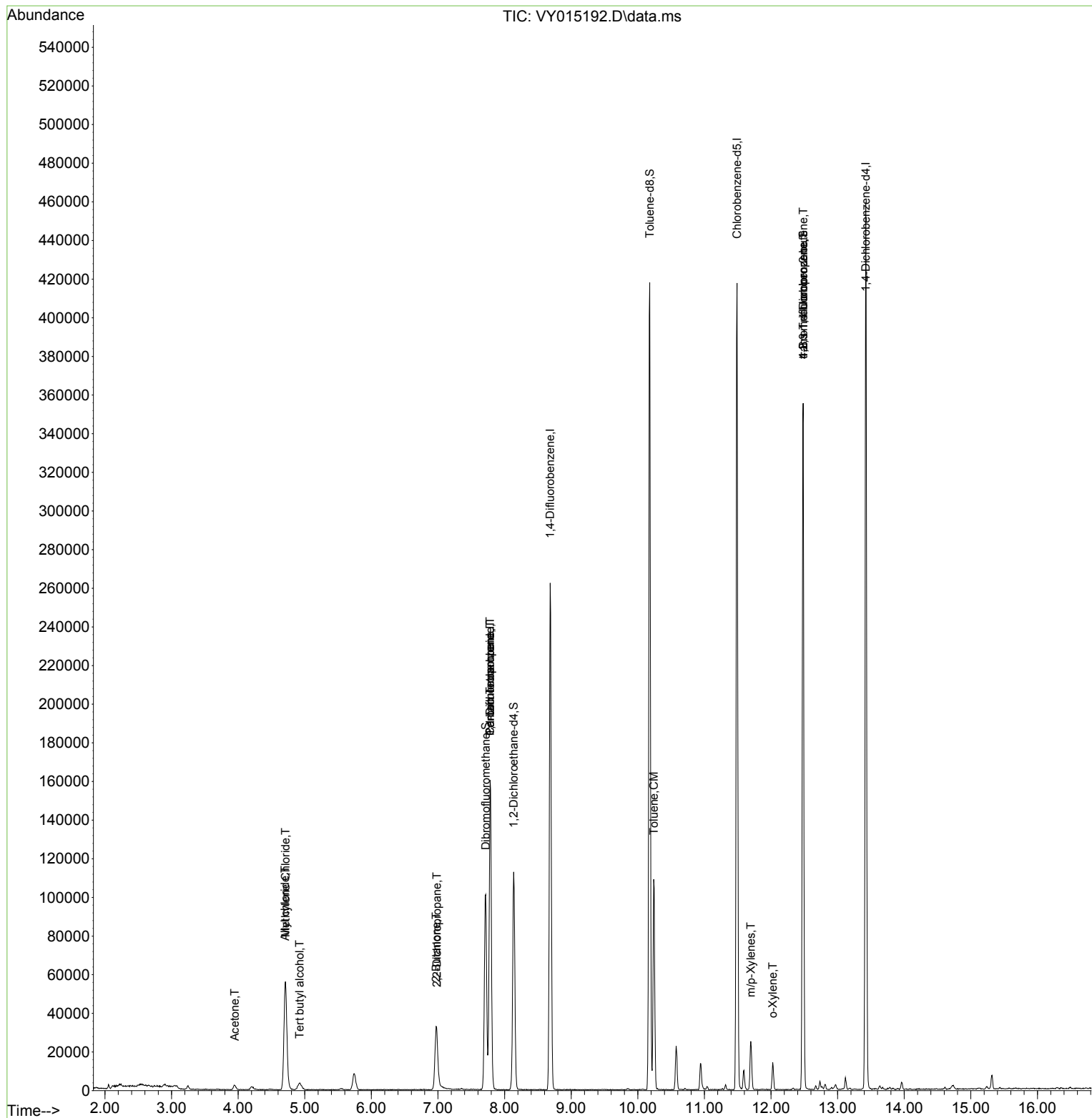
Internal Standards						
1) Pentafluorobenzene	7.783	168	124855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	223044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87895	58.645	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.280%			
35) Dibromofluoromethane	7.716	113	71968	50.155	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.179	98	271310	50.792	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.483	95	103414	53.006	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.020%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	409	Below Cal		89
5) Bromomethane	2.656	94	207	Below Cal	#	69
11) Tert butyl alcohol	4.923	59	4428	1.865	ug/l #	91
14) Allyl chloride	4.704	41	1750	1.136	ug/l #	22
16) Acetone	3.948	43	4165	8.507	ug/l #	88
20) Methylene Chloride	4.710	84	42297	34.709	ug/l	98
25) 2-Butanone	6.972	43	2058	2.969	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	2501	1.247	ug/l #	54
31) Cyclohexane	7.789	56	2772	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10040	6.324	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12655	6.736	ug/l #	15
52) Toluene	10.240	92	45408	14.354	ug/l	94
68) m/p-Xylenes	11.697	106	7331	2.665	ug/l	95
69) o-Xylene	12.026	106	3728	1.360	ug/l	93
76) 1,2,3-Trichloropropane	12.483	75	56664	41.033	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56664	90.128	ug/l #	10

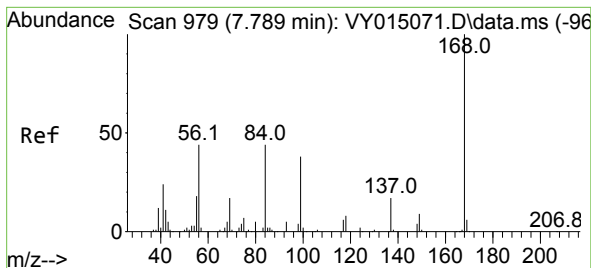
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

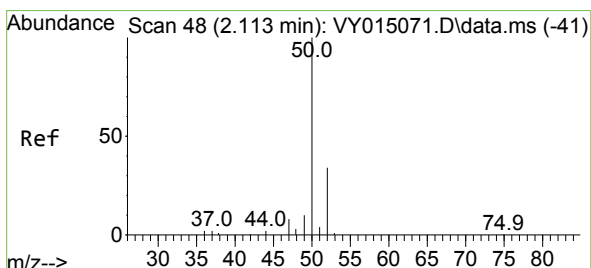
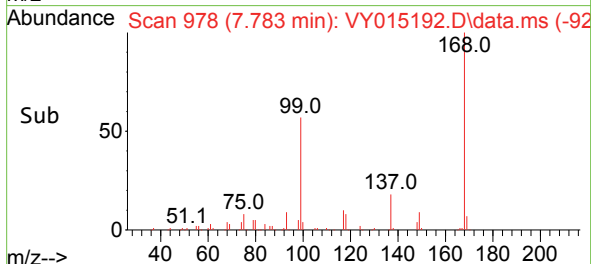
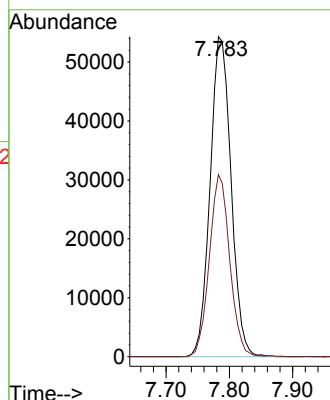
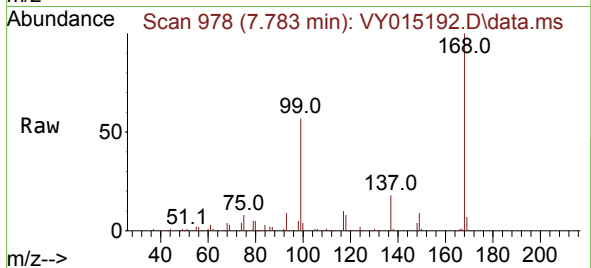
ClientSampleId :

Tgt Ion:168 Resp: 124855

Ion Ratio Lower Upper

168 100

99 56.9 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015192.D

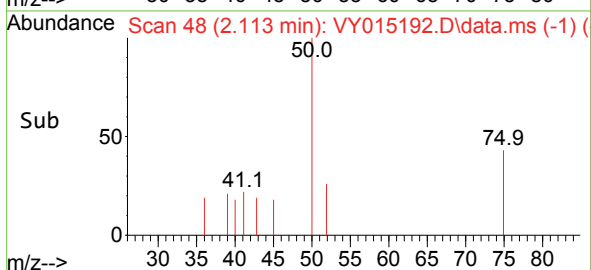
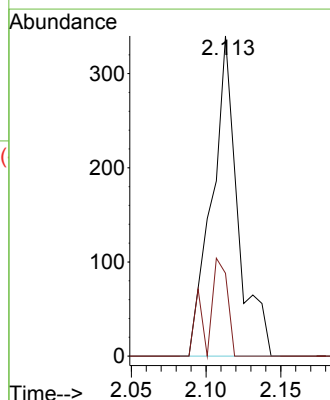
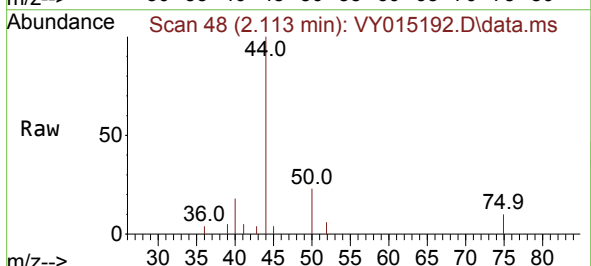
Acq: 18 Aug 2023 13:50

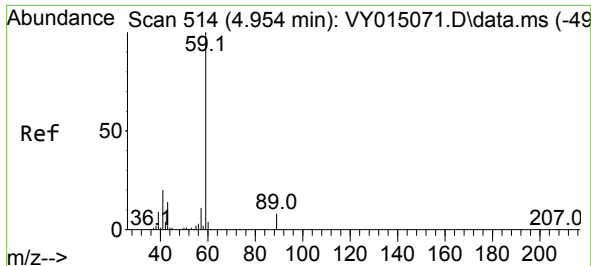
Tgt Ion: 50 Resp: 409

Ion Ratio Lower Upper

50 100

52 25.9 25.4 38.2





#11

Tert butyl alcohol

Concen: 1.865 ug/l

RT: 4.923 min Scan# 509

Delta R.T. -0.025 min

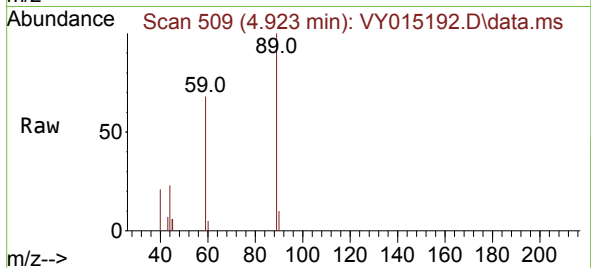
Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

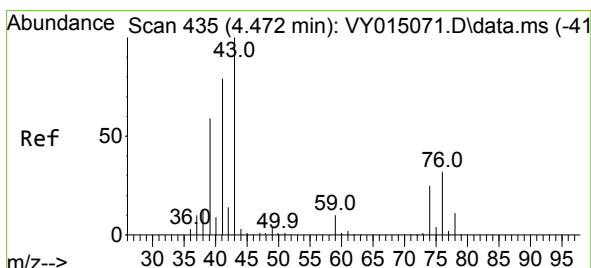
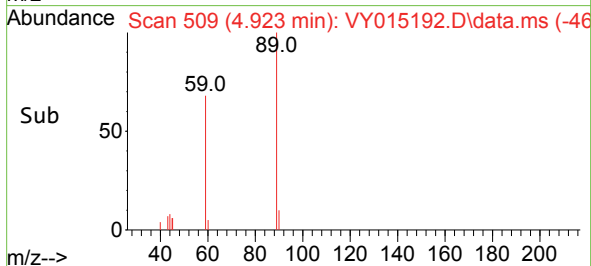
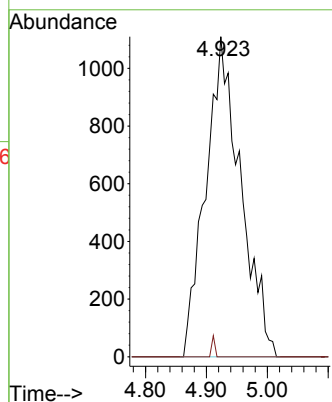


Tgt Ion: 59 Resp: 4428

Ion Ratio Lower Upper

59 100

57 0.6 3.0 4.4#



#14

Allyl chloride

Concen: 1.136 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.232 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

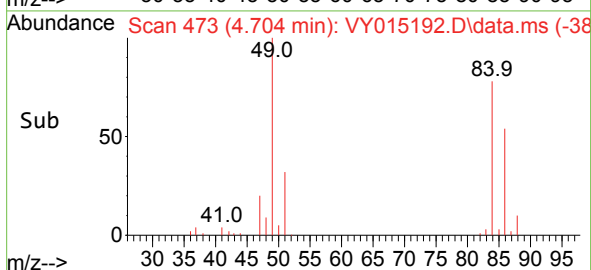
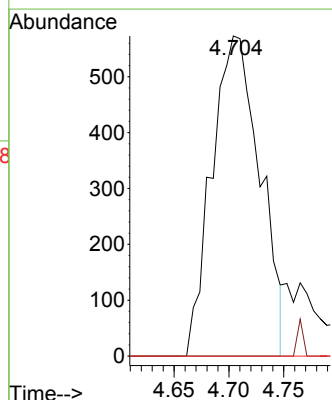
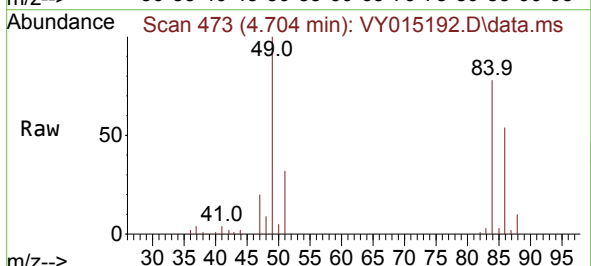
Tgt Ion: 41 Resp: 1750

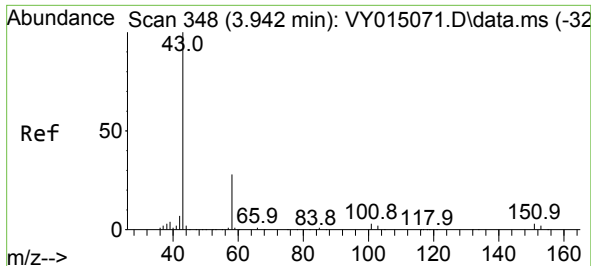
Ion Ratio Lower Upper

41 100

39 0.0 58.0 87.0#

76 0.0 27.4 41.2#





#16

Acetone

Concen: 8.507 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

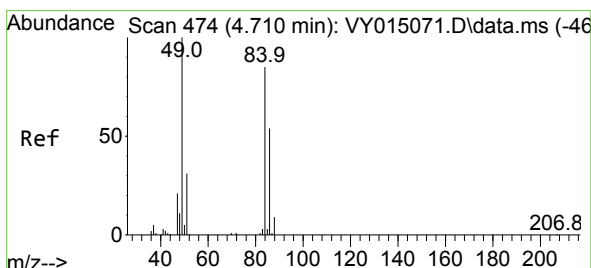
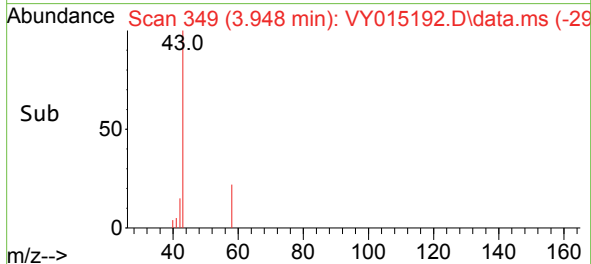
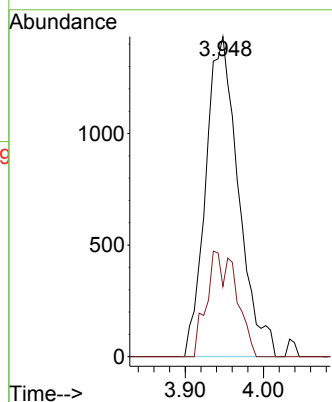
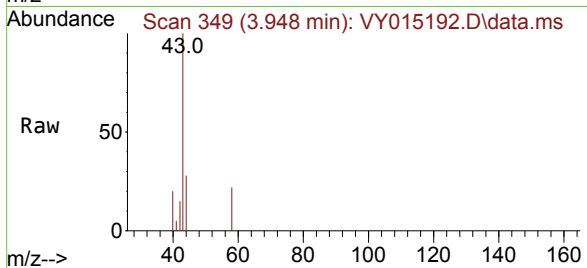
ClientSampleId :

Tgt Ion: 43 Resp: 4165

Ion Ratio Lower Upper

43 100

58 22.0 22.7 34.1#



#20

Methylene Chloride

Concen: 34.709 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Tgt Ion: 84 Resp: 42297

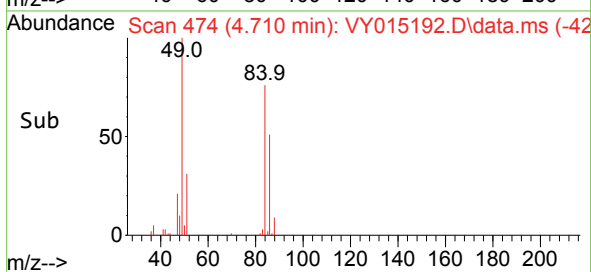
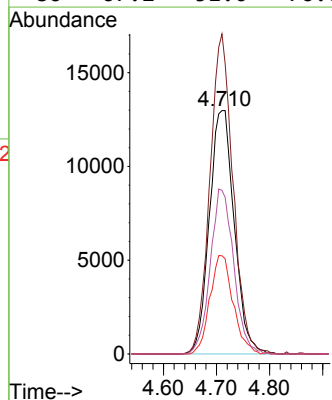
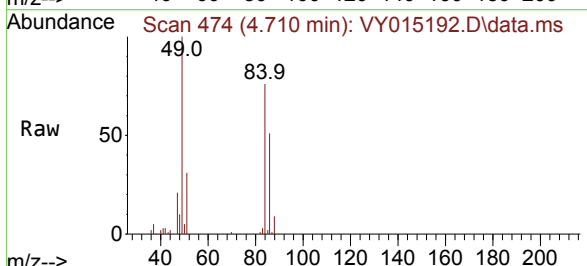
Ion Ratio Lower Upper

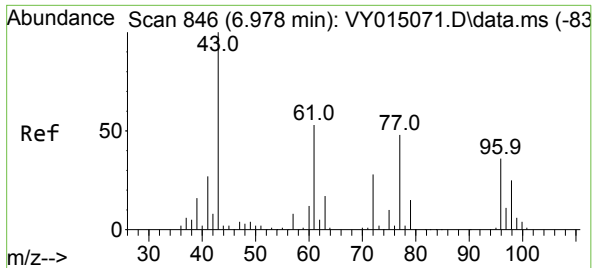
84 100

49 131.5 106.9 160.3

51 40.4 33.2 49.8

86 67.2 51.0 76.6





#25

2-Butanone

Concen: 2.969 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

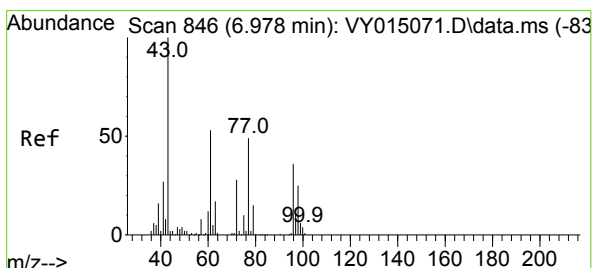
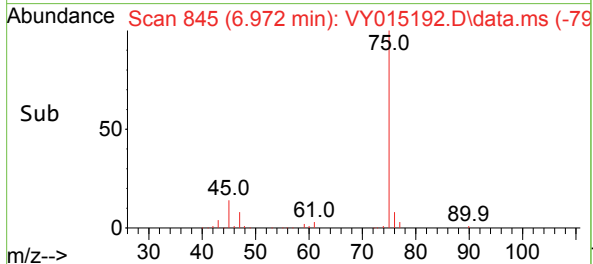
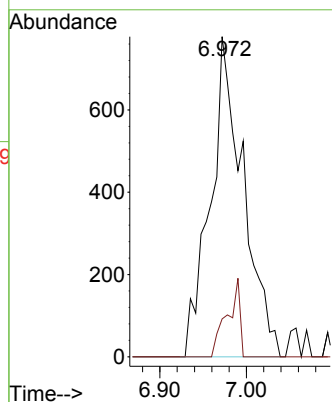
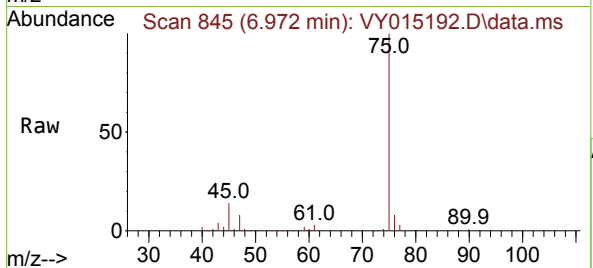
ClientSampleId :

Tgt Ion: 43 Resp: 2058

Ion Ratio Lower Upper

43 100

72 11.8 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.247 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY015192.D

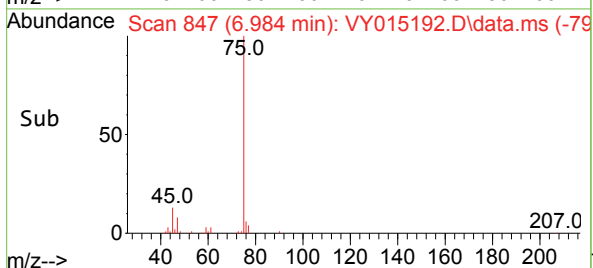
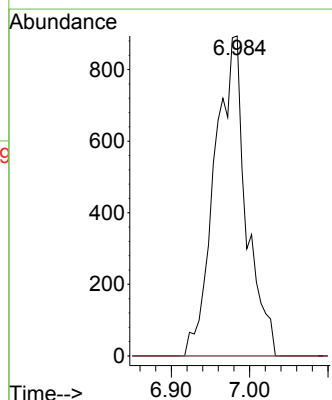
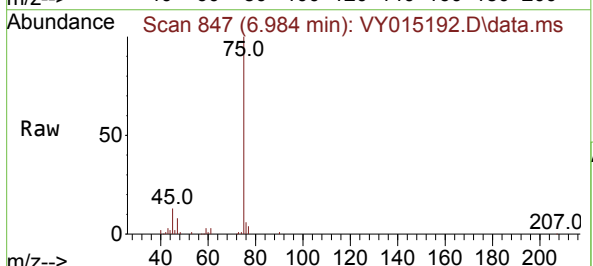
Acq: 18 Aug 2023 13:50

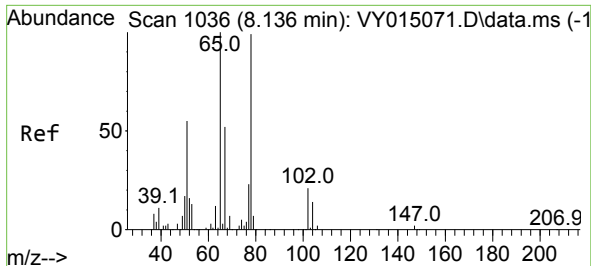
Tgt Ion: 77 Resp: 2501

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 58.645 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

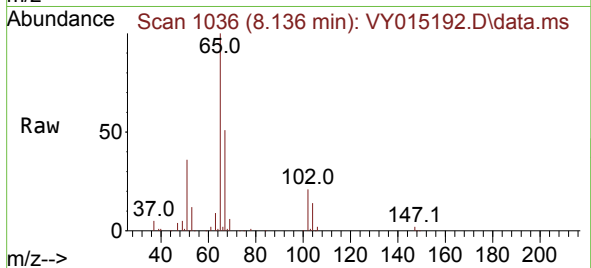
Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

ClientSampleId :

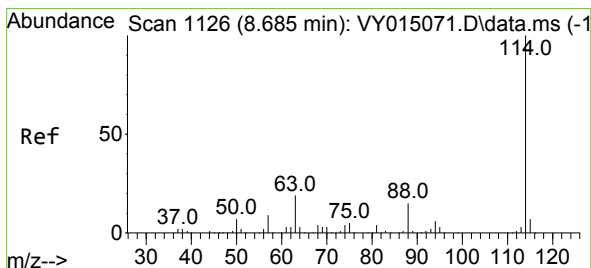
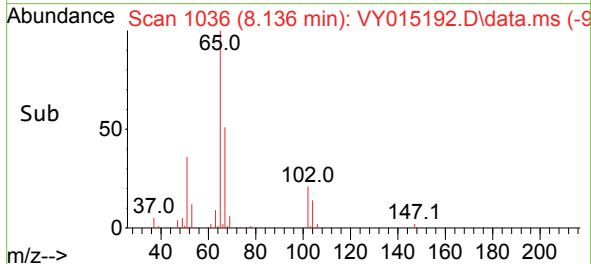
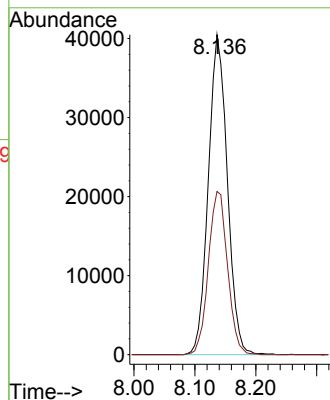


Tgt Ion: 65 Resp: 87895

Ion Ratio Lower Upper

65 100

67 51.4 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: VY015192.D

Acq: 18 Aug 2023 13:50

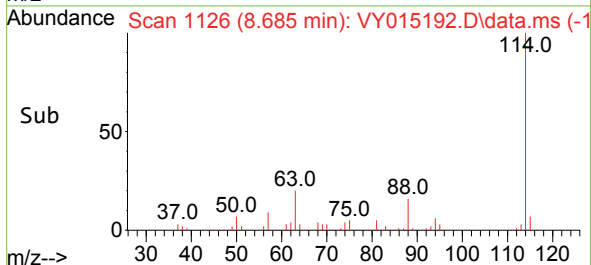
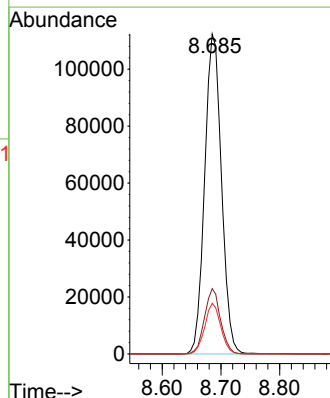
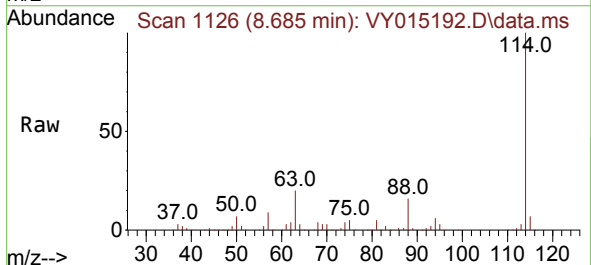
Tgt Ion: 114 Resp: 223044

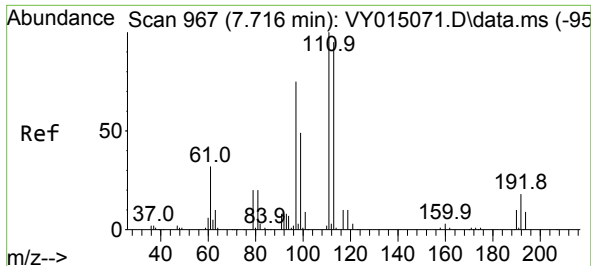
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

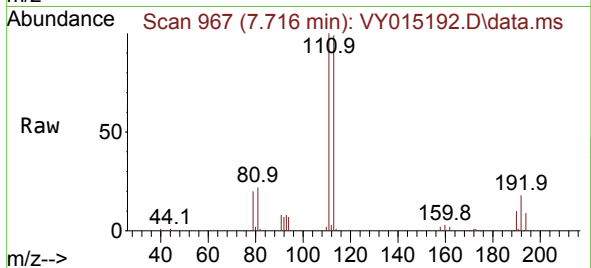
88 15.8 0.0 30.6



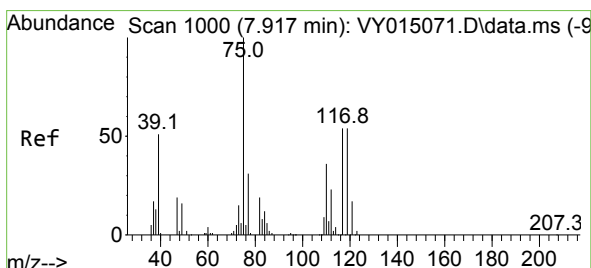
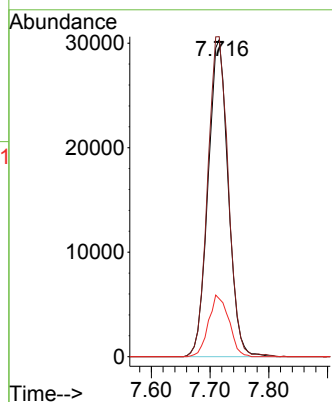
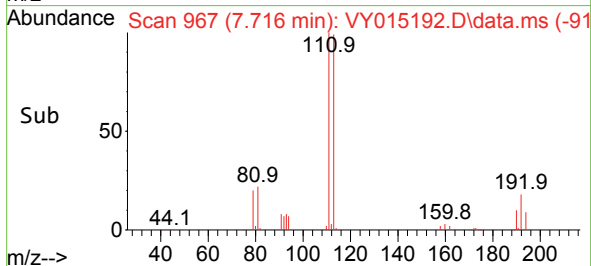


#35
Dibromofluoromethane
Concen: 50.155 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

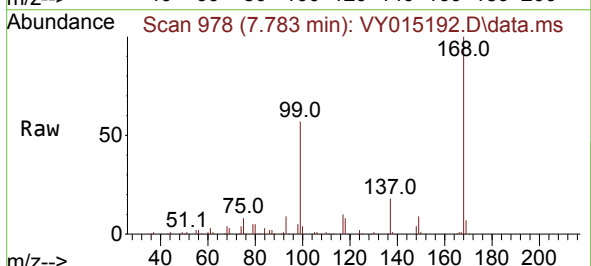
Instrument :
MSVOA_Y
ClientSampleId :



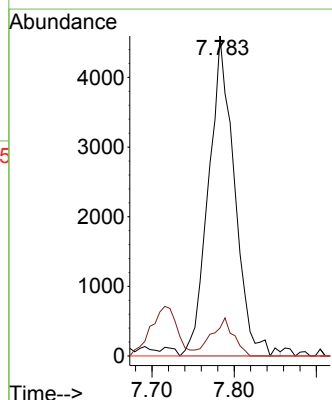
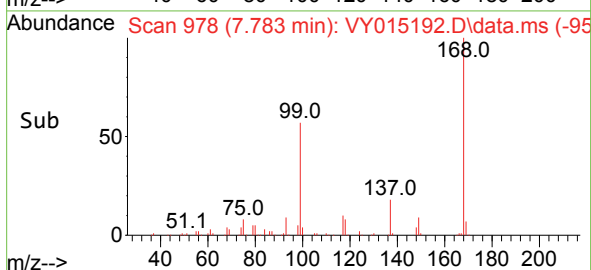
Tgt Ion:113 Resp: 71968
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.7 16.9 25.3

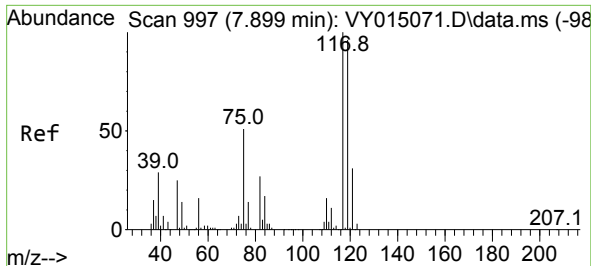


#36
1,1-Dichloropropene
Concen: 6.324 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50



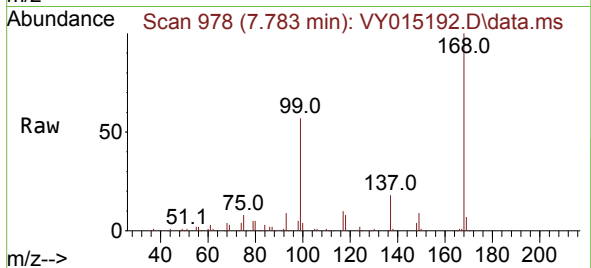
Tgt Ion: 75 Resp: 10040
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



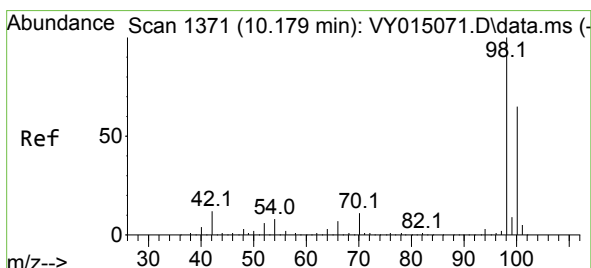
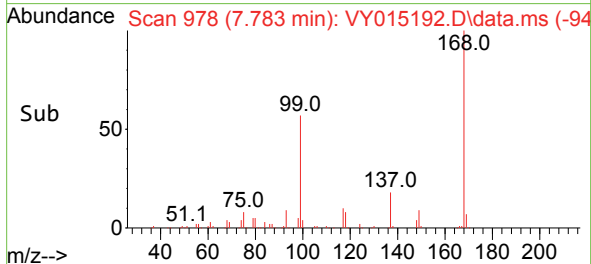
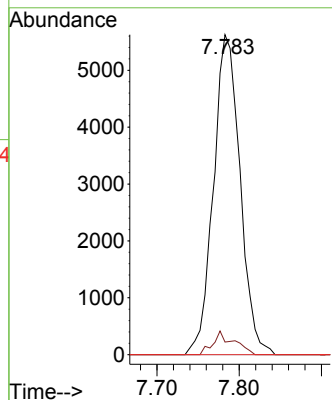


#38
Carbon Tetrachloride
Concen: 6.736 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

Instrument :
MSVOA_Y
ClientSampleId :

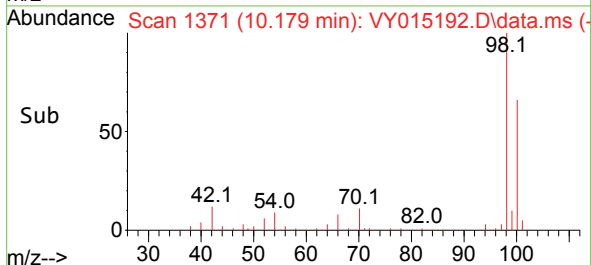
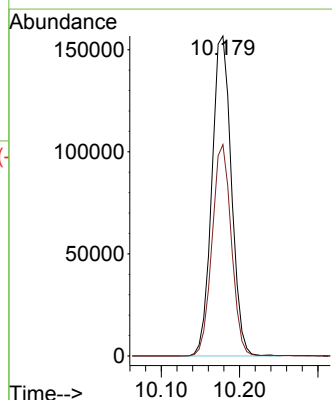
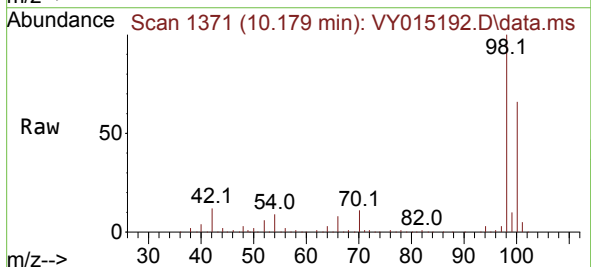


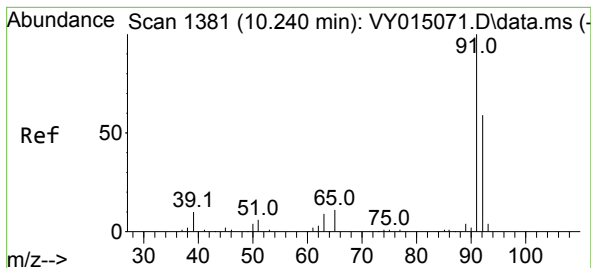
Tgt Ion:117 Resp: 12655
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.792 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

Tgt Ion: 98 Resp: 271310
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1





#52

Toluene

Concen: 14.354 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

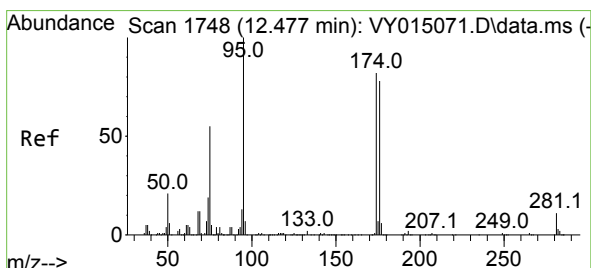
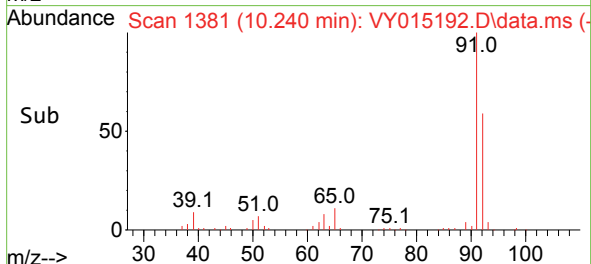
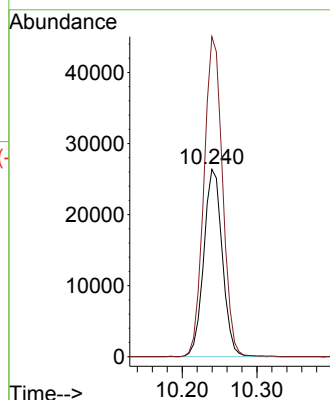
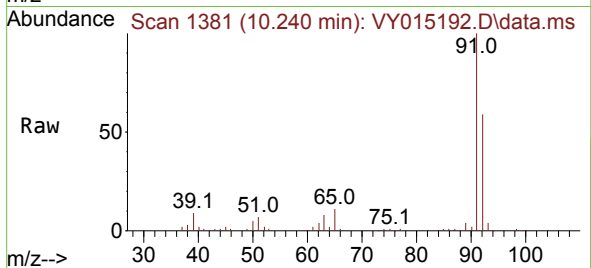
ClientSampleId :

Tgt Ion: 92 Resp: 45408

Ion Ratio Lower Upper

92 100

91 171.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.006 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

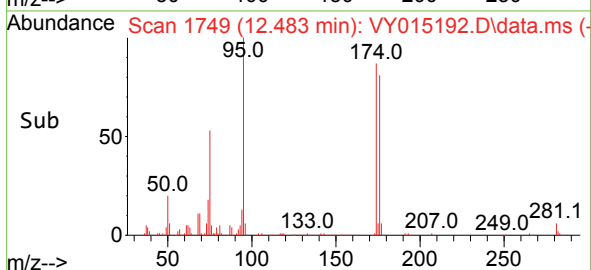
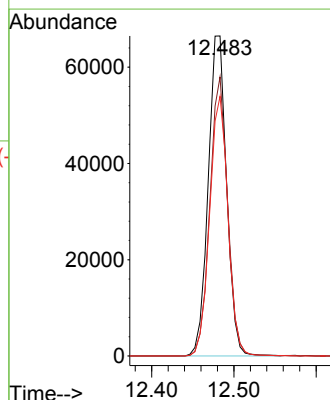
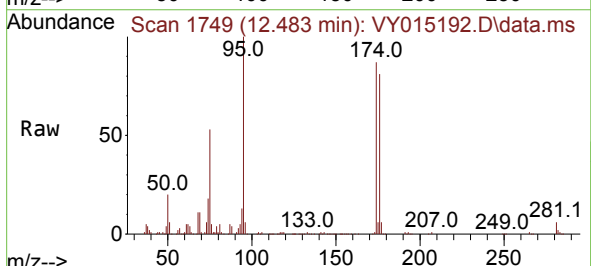
Tgt Ion: 95 Resp: 103414

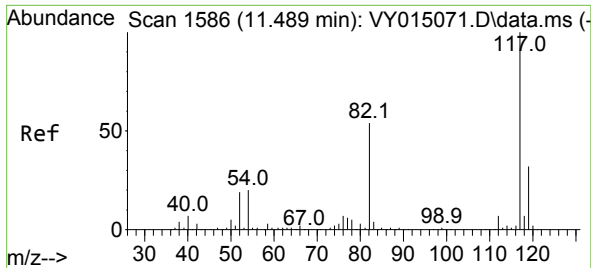
Ion Ratio Lower Upper

95 100

174 84.3 0.0 178.2

176 80.7 0.0 173.8

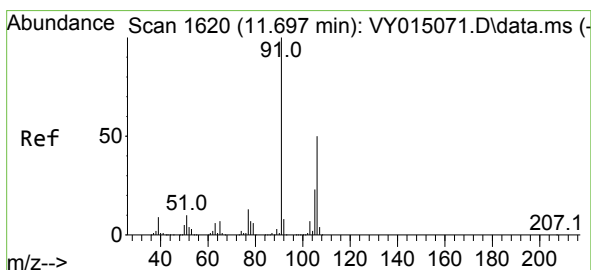
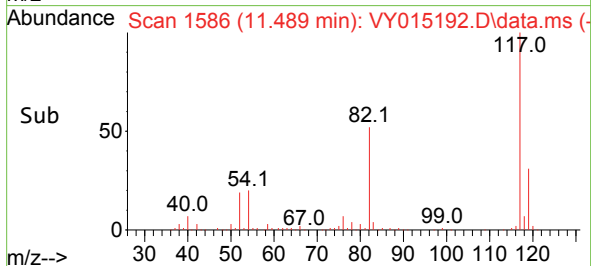
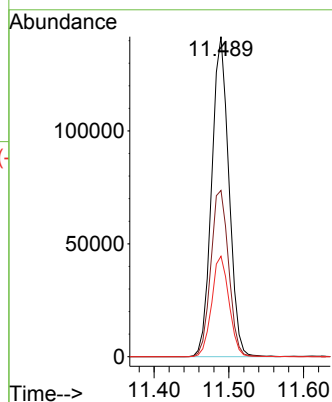
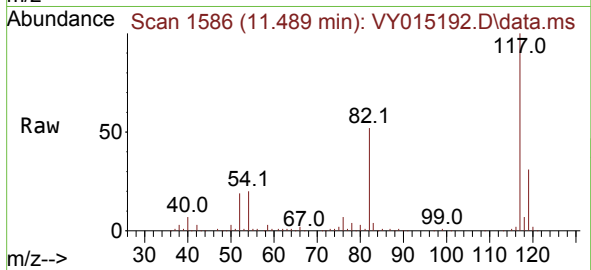




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

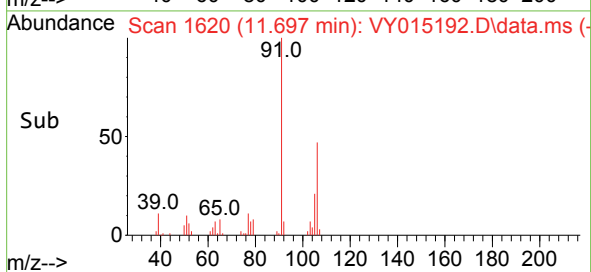
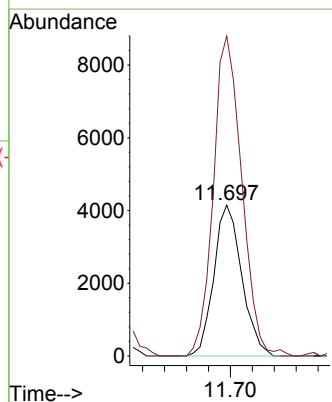
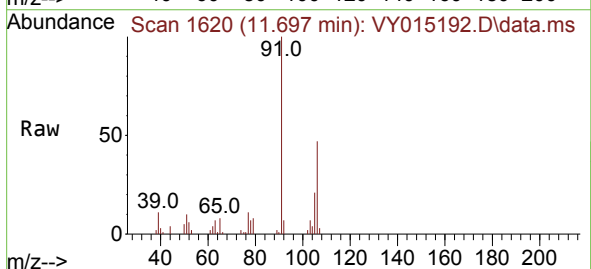
Instrument :
MSVOA_Y
ClientSampleId :

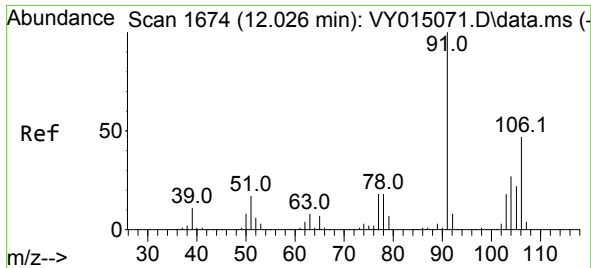
Tgt Ion:117 Resp: 226903
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 31.4 26.3 39.5



#68
m/p-Xylenes
Concen: 2.665 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

Tgt Ion:106 Resp: 7331
Ion Ratio Lower Upper
106 100
91 215.9 166.1 249.1

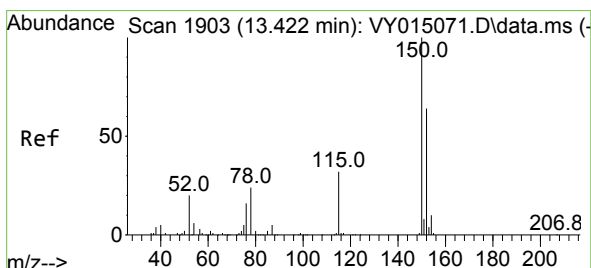
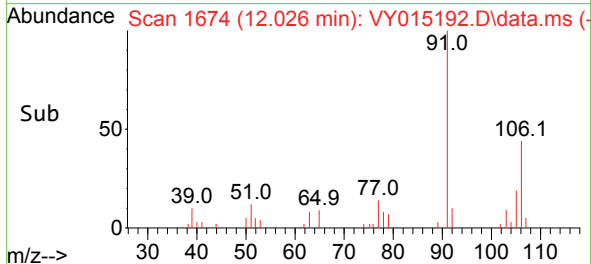
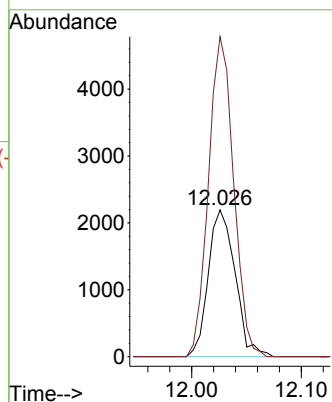
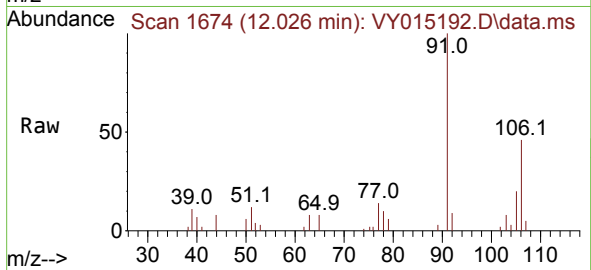




#69
o-Xylene
Concen: 1.360 ug/l
RT: 12.026 min Scan# 110
Delta R.T. -0.000 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

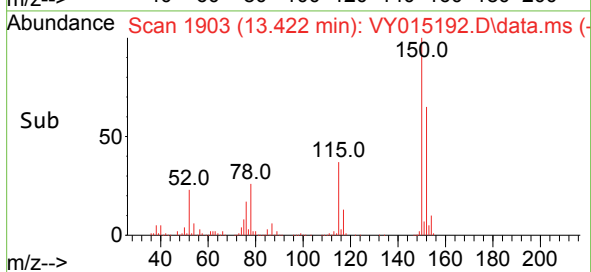
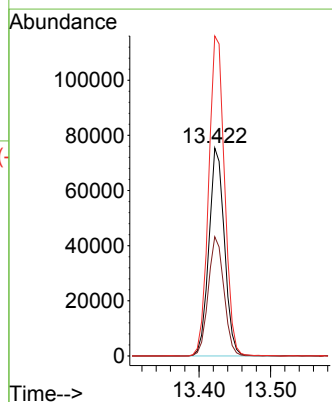
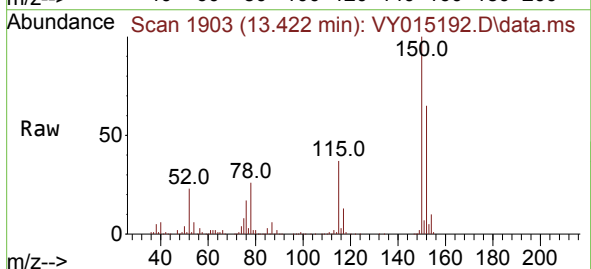
Instrument :
MSVOA_Y
ClientSampleId :

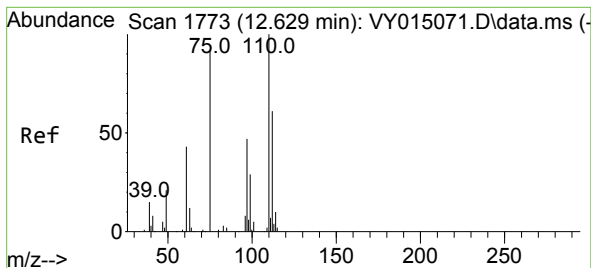
Tgt Ion:106 Resp: 3728
Ion Ratio Lower Upper
106 100
91 204.6 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015192.D
Acq: 18 Aug 2023 13:50

Tgt Ion:152 Resp: 113665
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 157.4 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.033 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Instrument :

MSVOA_Y

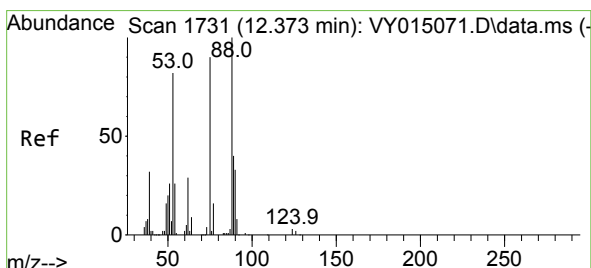
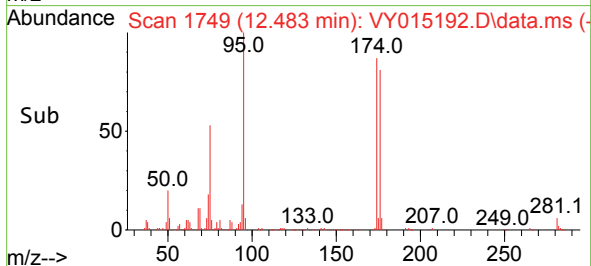
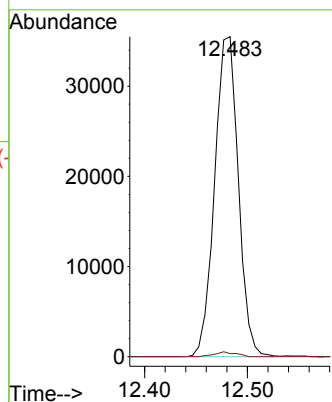
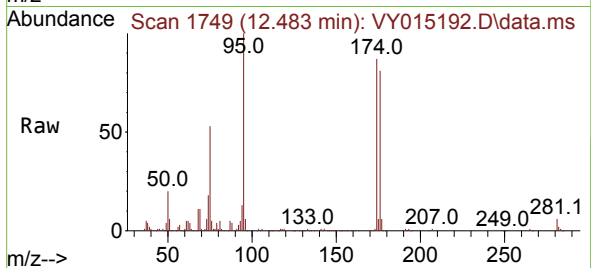
ClientSampleId :

Tgt Ion: 75 Resp: 56664

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.128 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015192.D

Acq: 18 Aug 2023 13:50

Tgt Ion: 75 Resp: 56664

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

