

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015112.D
 Acq On : 15 Aug 2023 18:40
 Operator : SY/MD
 Sample : 04016-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:08:10 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)

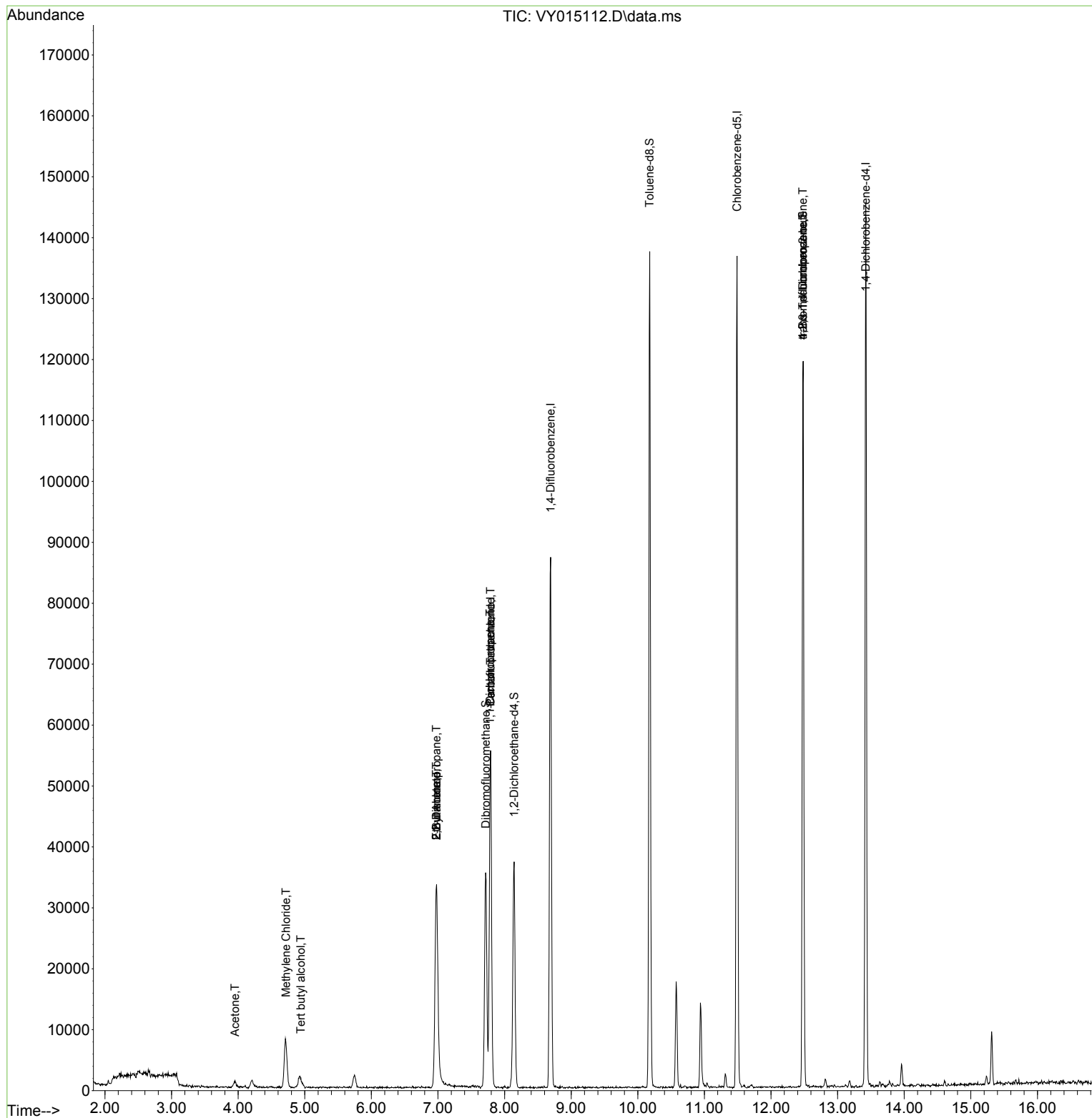
Internal Standards						
1) Pentafluorobenzene	7.789	168	44986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	76523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	74162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	37538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	29148	53.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.960%	
35) Dibromofluoromethane	7.716	113	24539	49.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.700%	
50) Toluene-d8	10.179	98	89235	48.693	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.477	95	33869	50.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	258	Below Cal	#	33
11) Tert butyl alcohol	4.942	59	2488	12.600	ug/l #	89
16) Acetone	3.954	43	1985	11.252	ug/l #	86
20) Methylene Chloride	4.716	84	5963	10.702	ug/l #	82
25) 2-Butanone	6.978	43	2000	8.007	ug/l	98
26) 2,2-Dichloropropane	6.978	77	2521	3.488	ug/l #	54
31) Cyclohexane	7.795	56	933	Below Cal	#	20
36) 1,1-Dichloropropene	7.783	75	3737	6.861	ug/l #	51
37) Ethyl Acetate	6.978	43	2000	3.940	ug/l #	1
38) Carbon Tetrachloride	7.789	117	4365	6.772	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	18712	41.030	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	18712	90.121	ug/l #	10

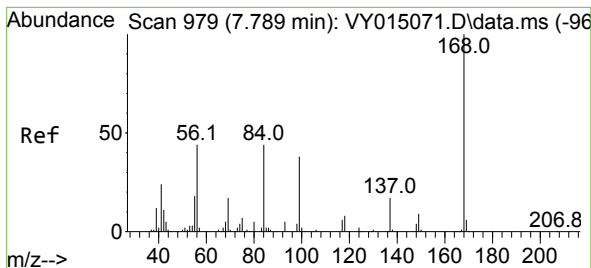
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015112.D

Acq: 15 Aug 2023 18:40

Instrument :

MSVOA_Y

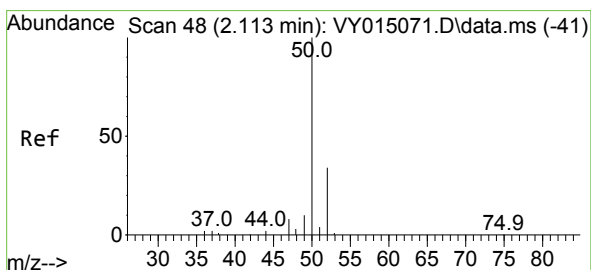
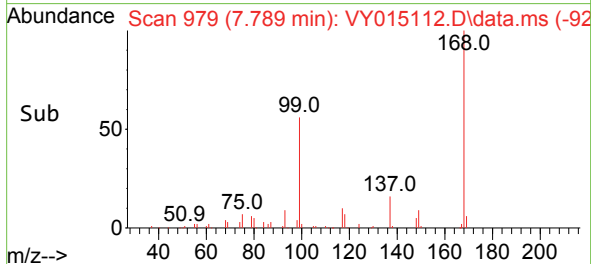
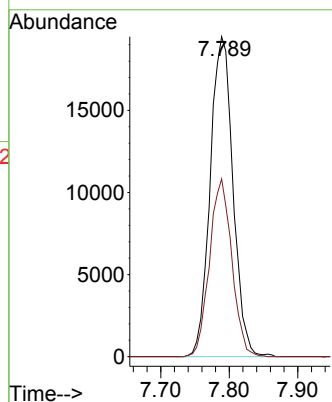
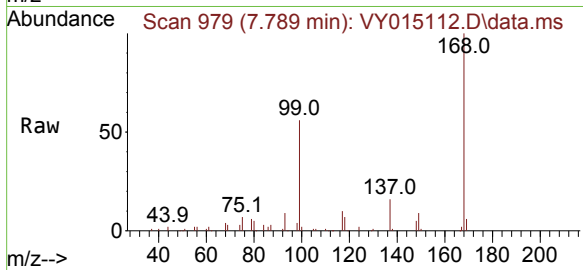
ClientSampleId :

Tgt Ion:168 Resp: 44986

Ion Ratio Lower Upper

168 100

99 55.5 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015112.D

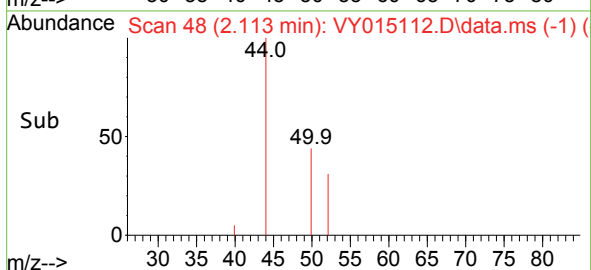
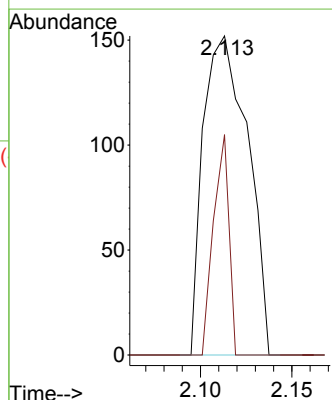
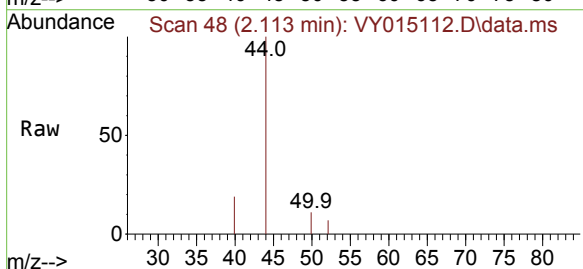
Acq: 15 Aug 2023 18:40

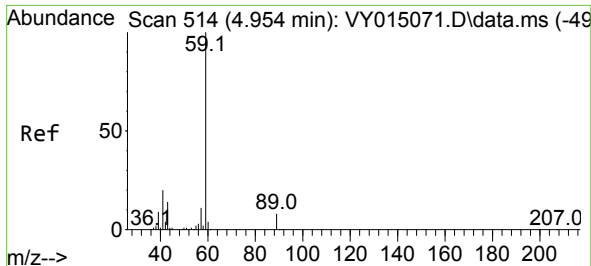
Tgt Ion: 50 Resp: 258

Ion Ratio Lower Upper

50 100

52 69.1 25.4 38.2#





#11

Tert butyl alcohol

Concen: 12.600 ug/l

RT: 4.942 min Scan# 514

Delta R.T. -0.006 min

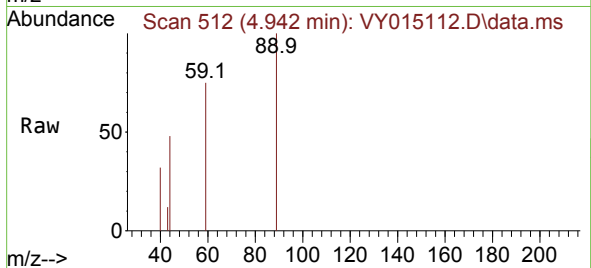
Lab File: VY015112.D

Acq: 15 Aug 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

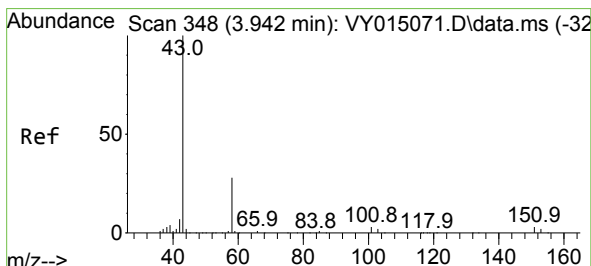
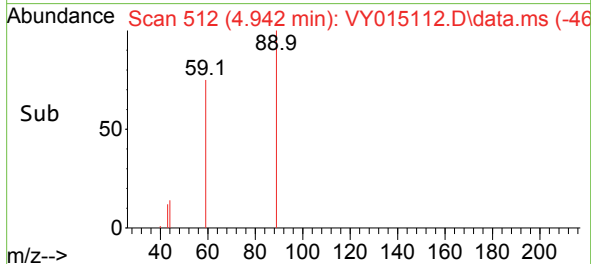
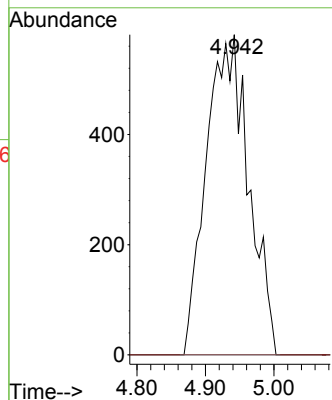


Tgt Ion: 59 Resp: 2488

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 11.252 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015112.D

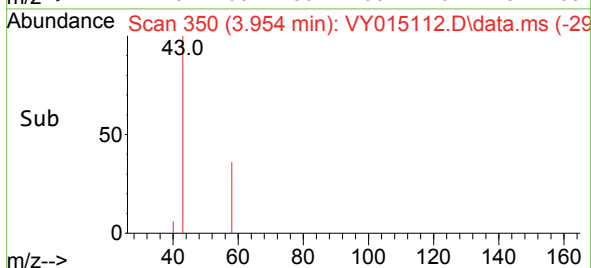
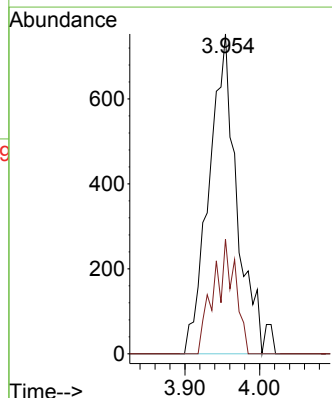
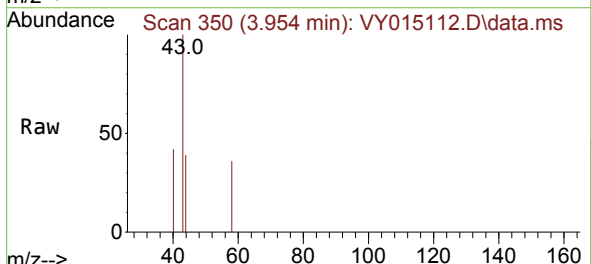
Acq: 15 Aug 2023 18:40

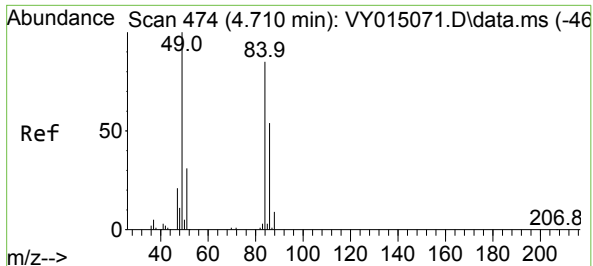
Tgt Ion: 43 Resp: 1985

Ion Ratio Lower Upper

43 100

58 35.9 22.7 34.1#





#20

Methylene Chloride

Concen: 10.702 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

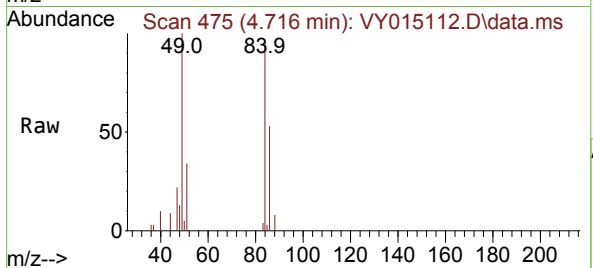
Lab File: VY015112.D

Acq: 15 Aug 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 5963

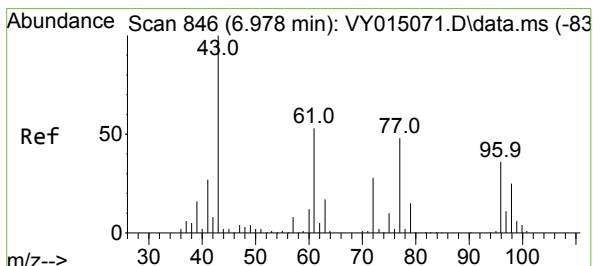
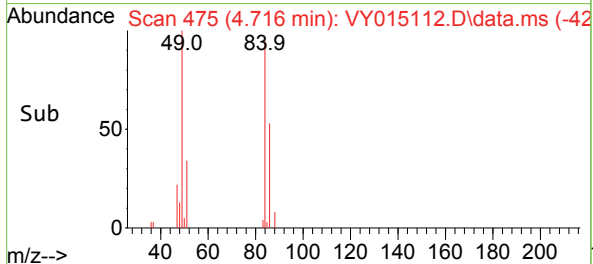
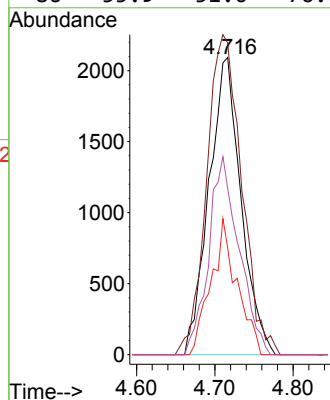
Ion Ratio Lower Upper

84 100

49 104.9 106.9 160.3#

51 35.9 33.2 49.8

86 55.9 51.0 76.6



#25

2-Butanone

Concen: 8.007 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015112.D

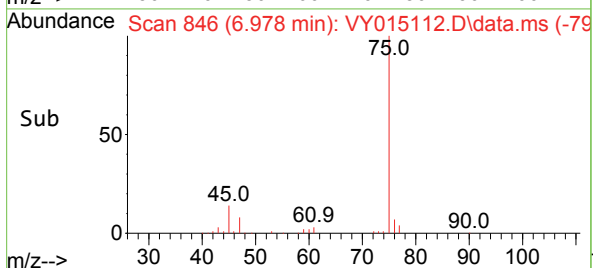
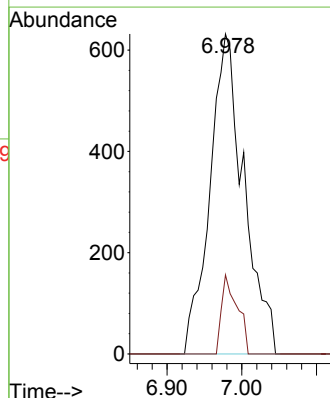
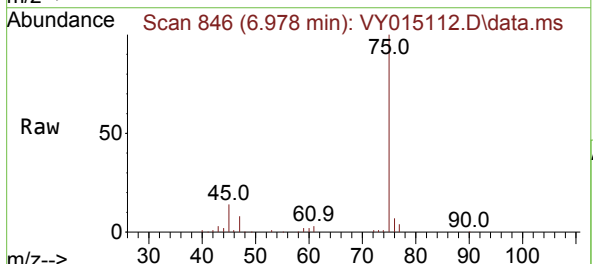
Acq: 15 Aug 2023 18:40

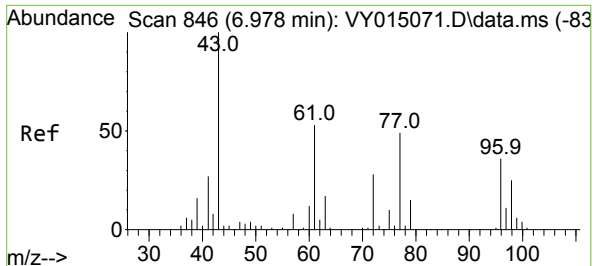
Tgt Ion: 43 Resp: 2000

Ion Ratio Lower Upper

43 100

72 24.7 20.5 30.7





#26

2,2-Dichloropropane

Concen: 3.488 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015112.D

Acq: 15 Aug 2023 18:40

Instrument :

MSVOA_Y

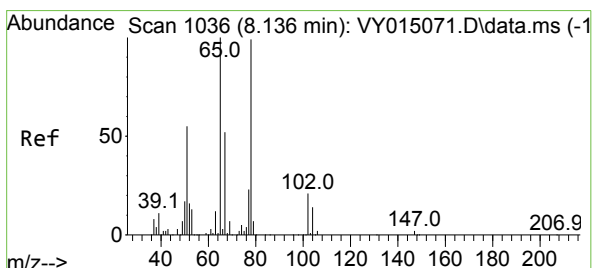
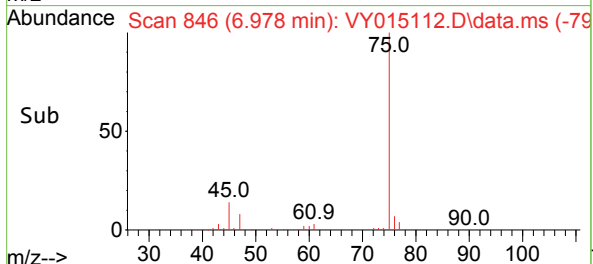
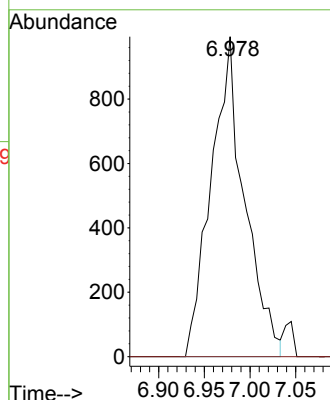
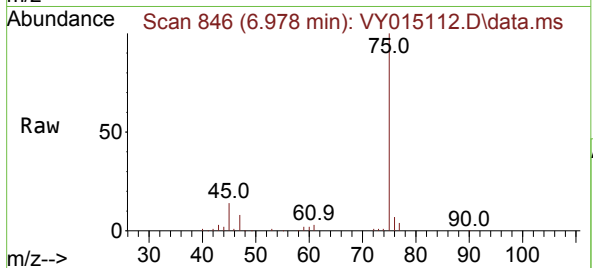
ClientSampleId :

Tgt Ion: 77 Resp: 2521

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 53.976 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015112.D

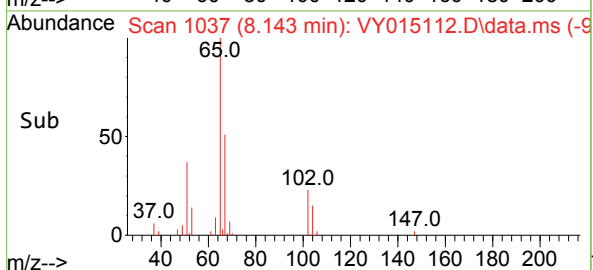
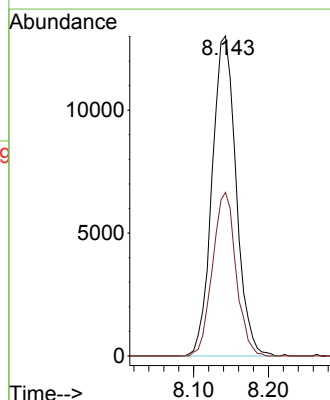
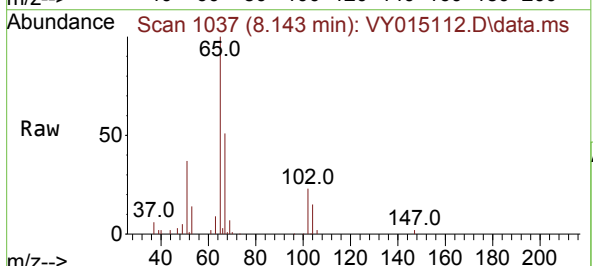
Acq: 15 Aug 2023 18:40

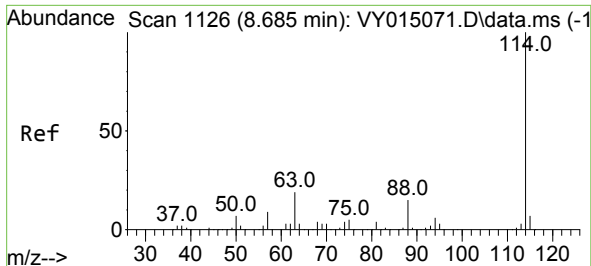
Tgt Ion: 65 Resp: 29148

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8

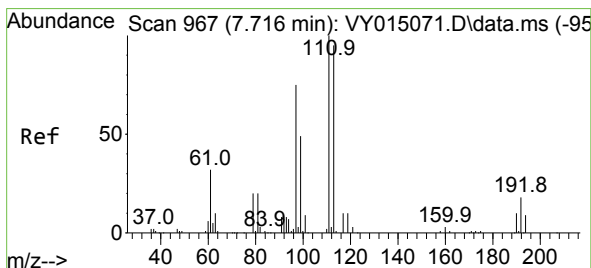
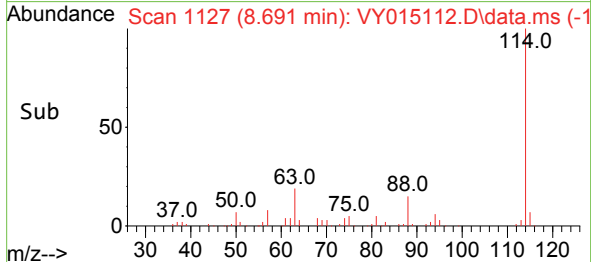
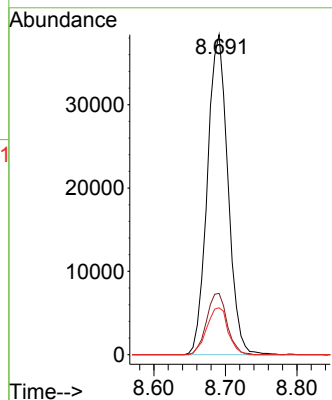
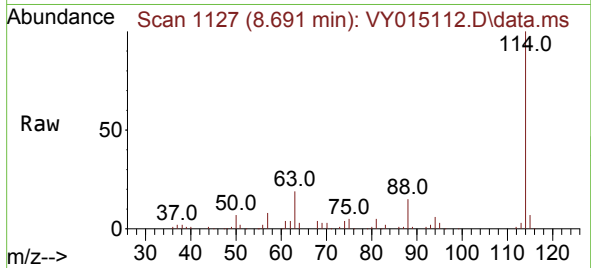




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

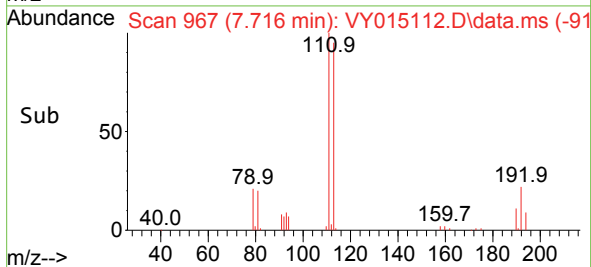
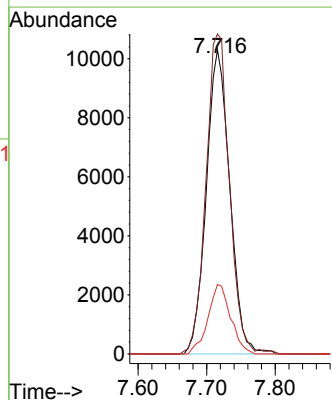
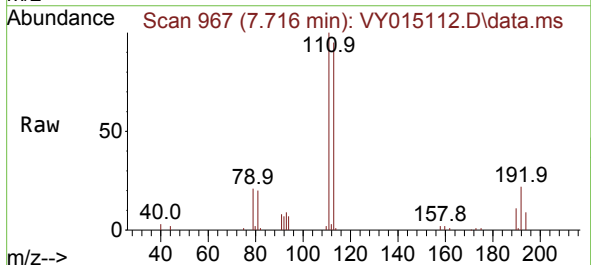
Instrument :
MSVOA_Y
ClientSampleId :

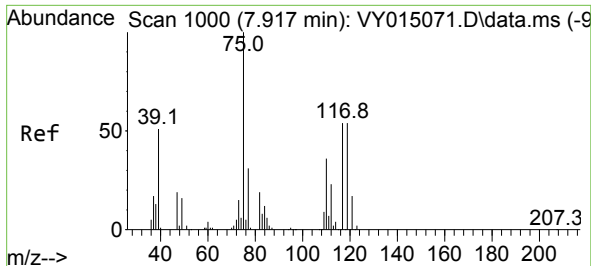
Tgt Ion:114 Resp: 76523
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.846 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

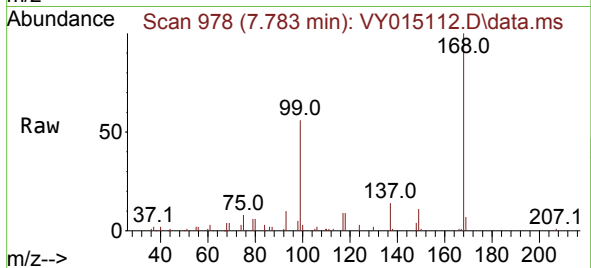
Tgt Ion:113 Resp: 24539
Ion Ratio Lower Upper
113 100
111 104.9 81.3 121.9
192 22.1 16.9 25.3



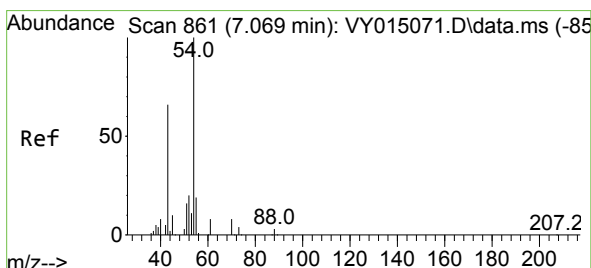
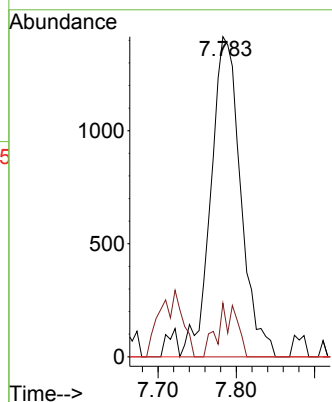
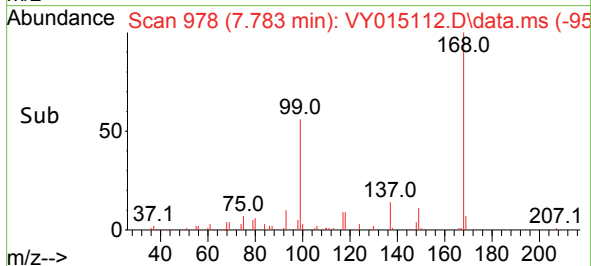


#36
1,1-Dichloropropene
Concen: 6.861 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

Instrument :
MSVOA_Y
ClientSampleId :

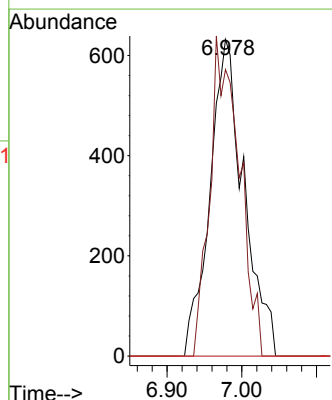
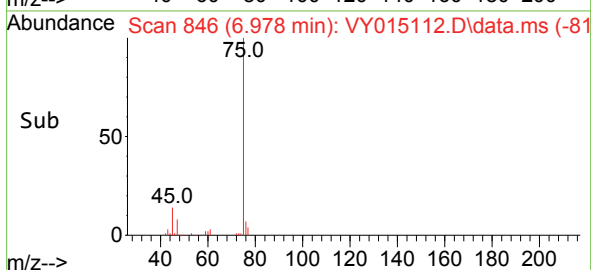
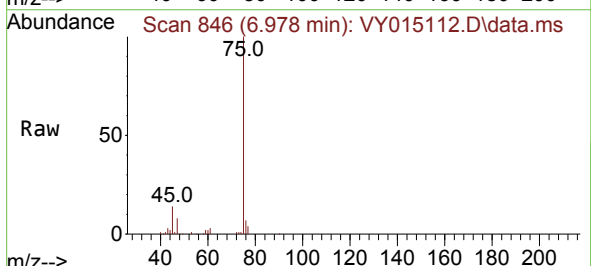


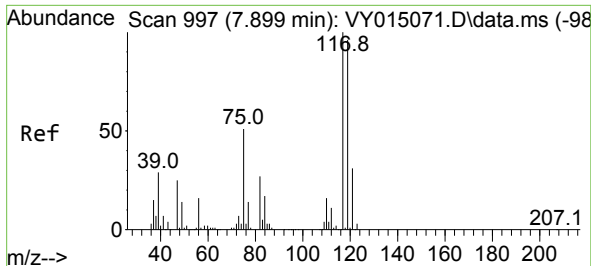
Tgt Ion: 75 Resp: 3737
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.940 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

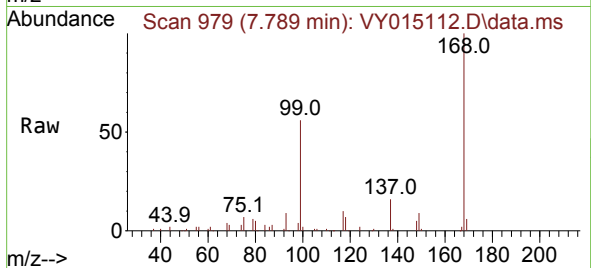
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
61 87.2 10.1 15.1#
70 0.0 7.1 10.7#



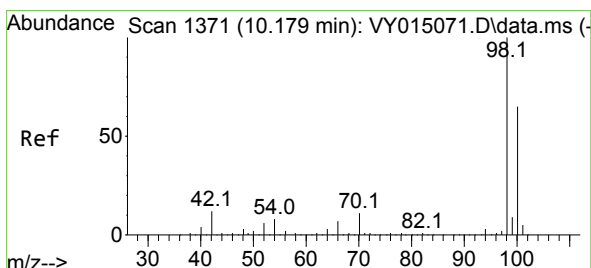
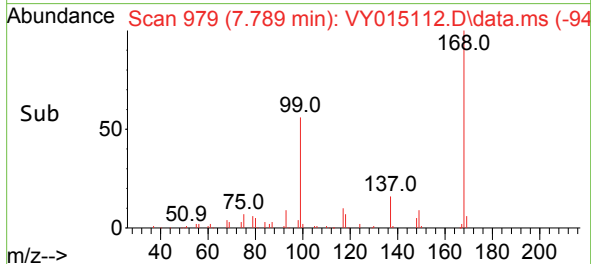
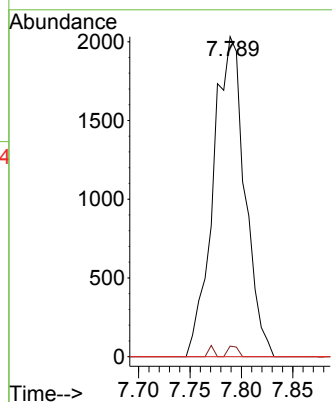


#38
Carbon Tetrachloride
Concen: 6.772 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

Instrument :
MSVOA_Y
ClientSampleId :

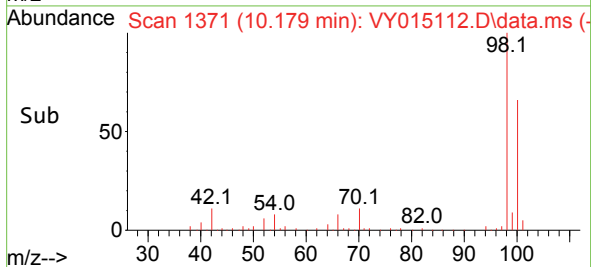
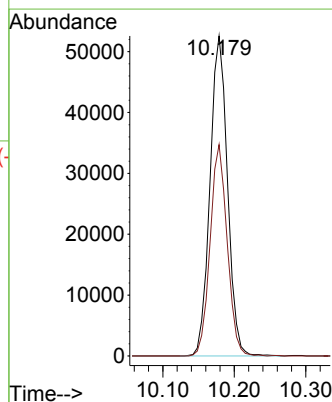
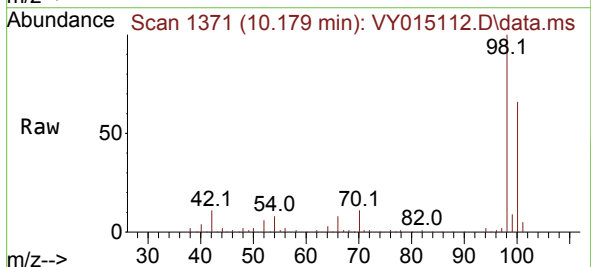


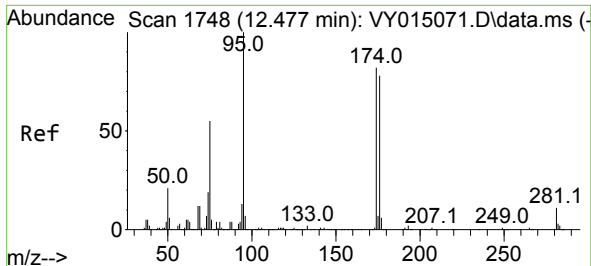
Tgt Ion:117 Resp: 4365
Ion Ratio Lower Upper
117 100
119 3.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.693 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

Tgt Ion: 98 Resp: 89235
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1

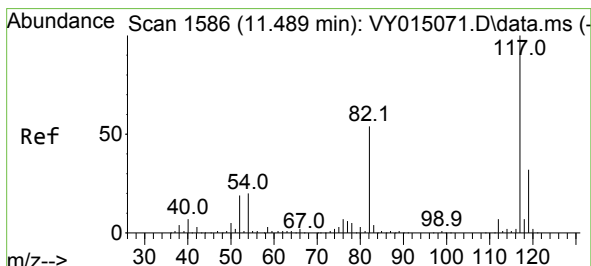
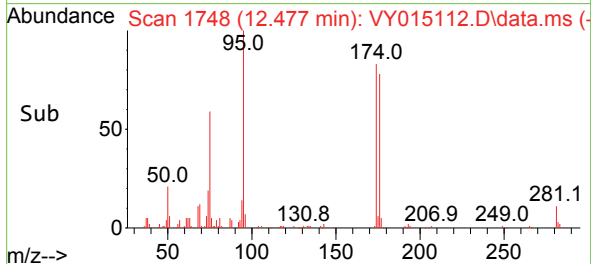
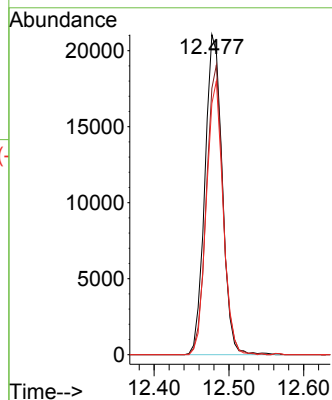
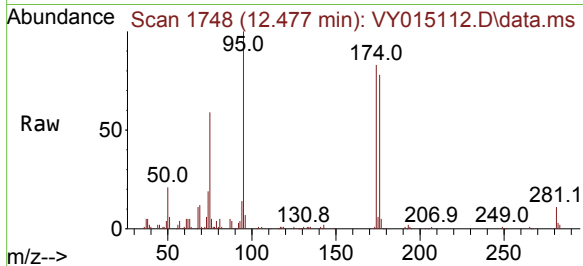




#62
4-Bromofluorobenzene
Concen: 50.599 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

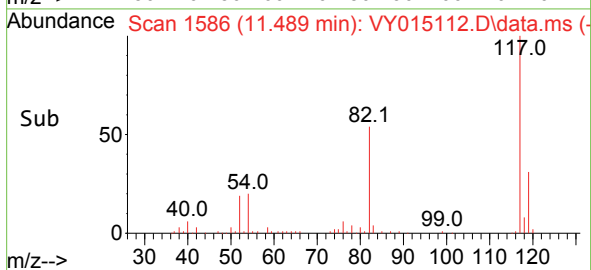
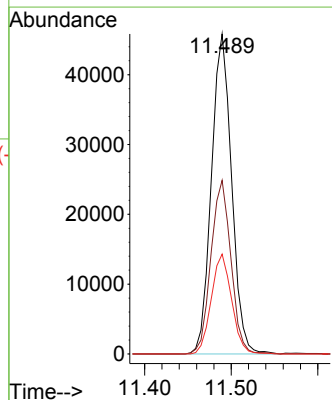
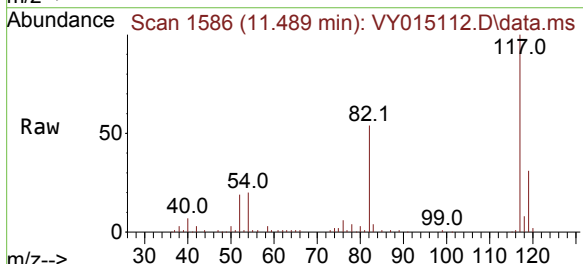
Instrument :
MSVOA_Y
ClientSampleId :

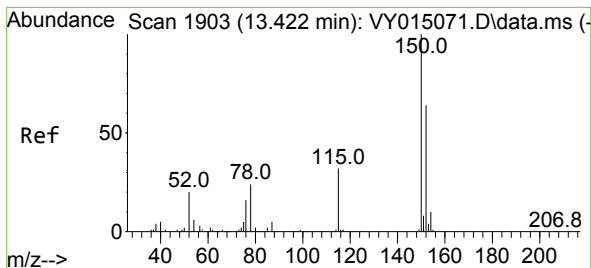
Tgt Ion: 95 Resp: 33869
Ion Ratio Lower Upper
95 100
174 86.8 0.0 178.2
176 82.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015112.D
Acq: 15 Aug 2023 18:40

Tgt Ion: 117 Resp: 74162
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.2 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: VY015112.D

Acq: 15 Aug 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

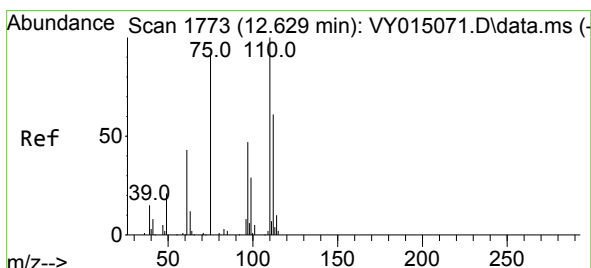
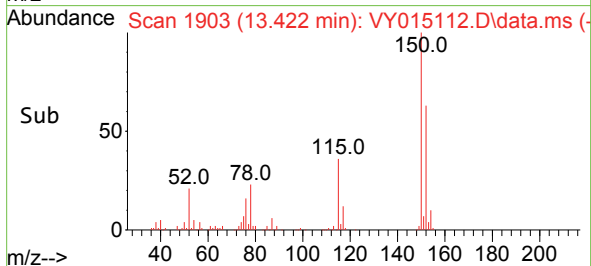
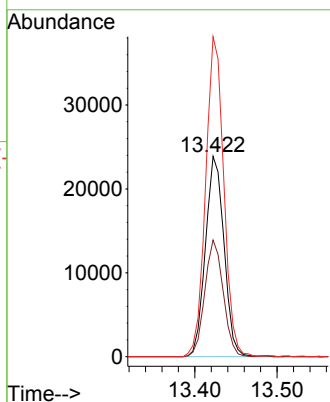
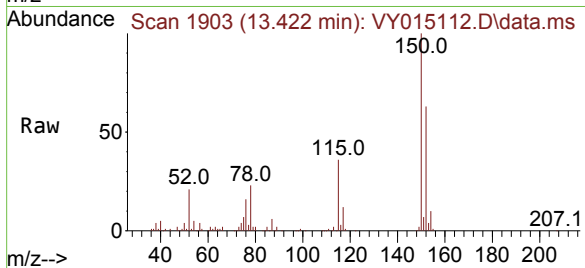
Tgt Ion:152 Resp: 37538

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.030 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015112.D

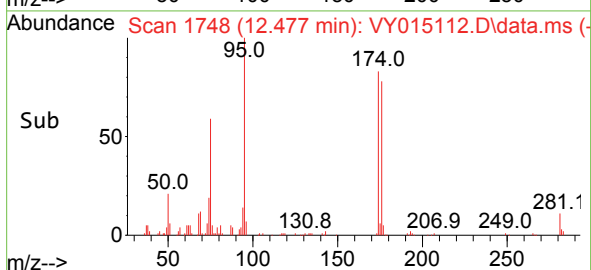
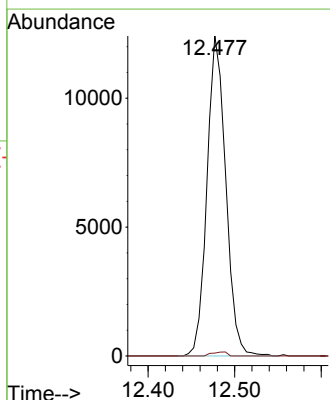
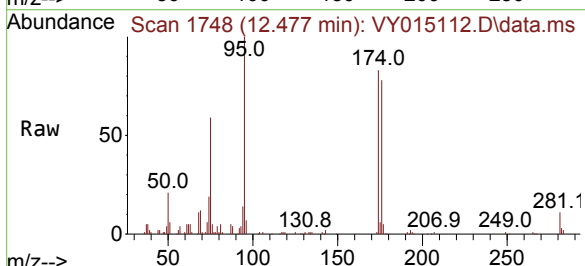
Acq: 15 Aug 2023 18:40

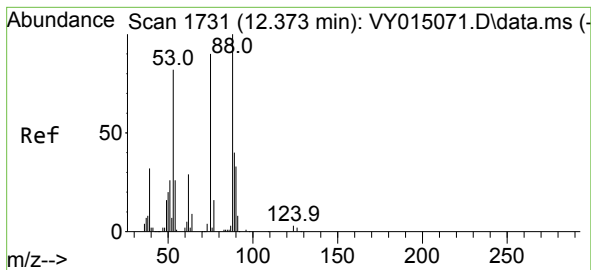
Tgt Ion: 75 Resp: 18712

Ion Ratio Lower Upper

75 100

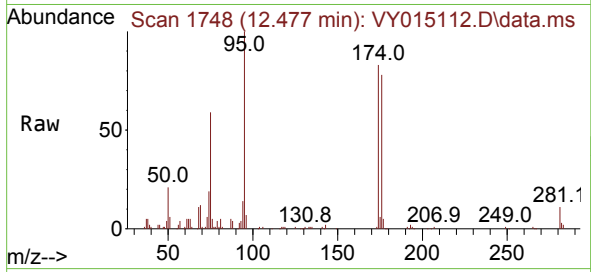
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.121 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015112.D
 Acq: 15 Aug 2023 18:40

Instrument :
 MSVOA_Y
 ClientSampleId :



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

