

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012632.D
 Acq On : 16 Feb 2023 12:52
 Operator : KP/MD
 Sample : 01559-02
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 21:58:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

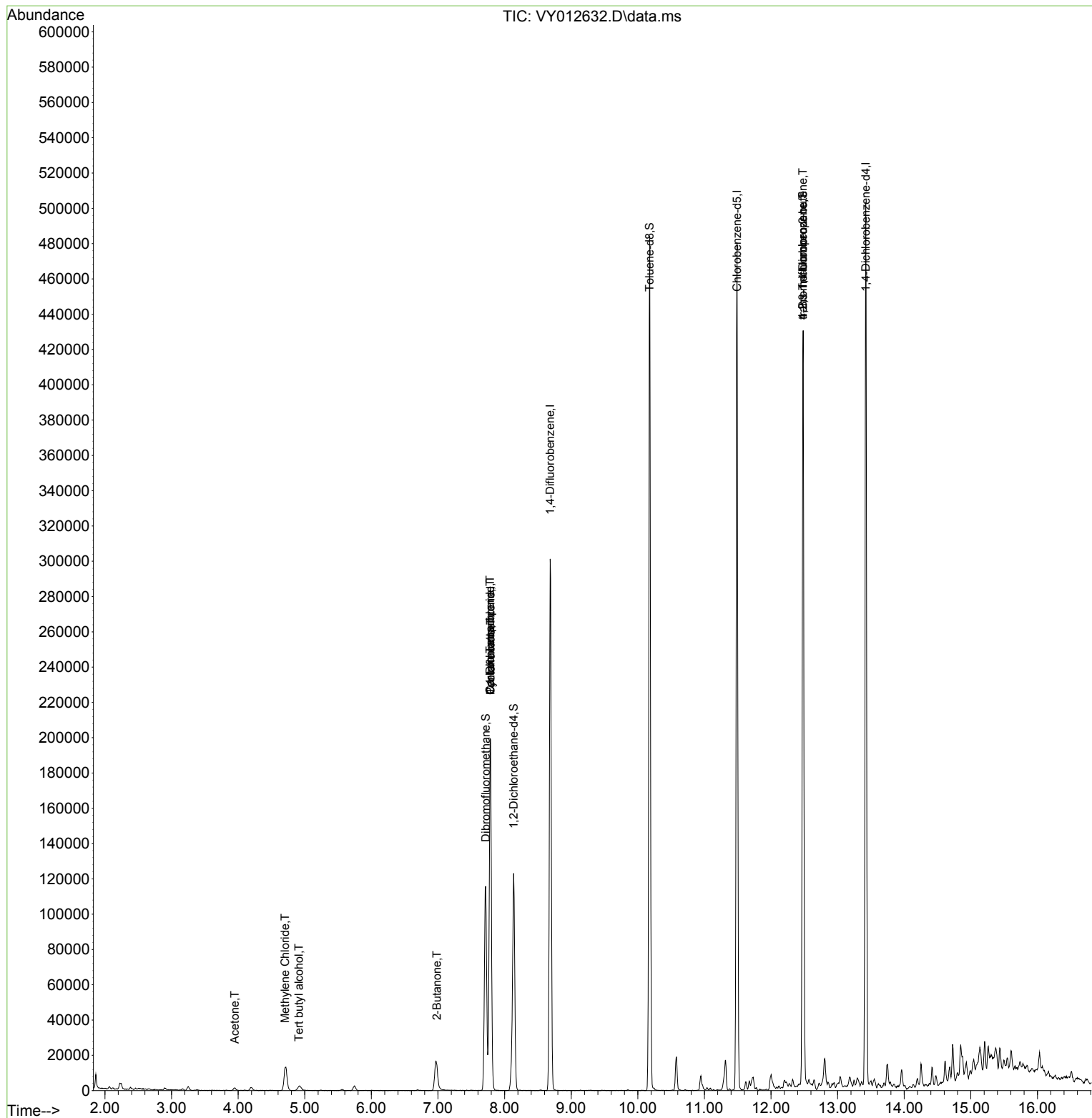
Internal Standards						
1) Pentafluorobenzene	7.789	168	161340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	271153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94343	45.984	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.960%		
35) Dibromofluoromethane	7.716	113	79767	40.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.820%		
50) Toluene-d8	10.179	98	317101	39.070	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.140%		
62) 4-Bromofluorobenzene	12.477	95	113430	40.067	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	52	Below Cal	#	41
5) Bromomethane	2.668	94	176	Below Cal	#	59
11) Tert butyl alcohol	4.911	59	2798	5.254	ug/l #	75
16) Acetone	3.948	43	2649	5.365	ug/l	94
20) Methylene Chloride	4.704	84	11508	2.208	ug/l	90
25) 2-Butanone	6.984	43	1180	2.154	ug/l	94
31) Cyclohexane	7.789	56	2665	1.123	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	10307	3.906	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15663	4.421	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	61838	41.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61838	92.843	ug/l #	12

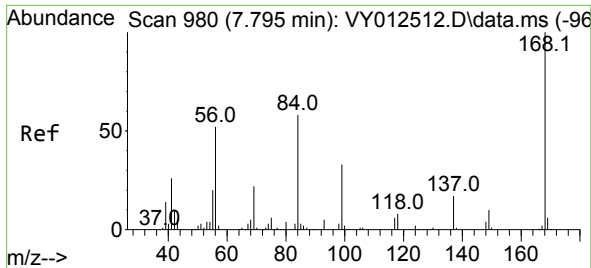
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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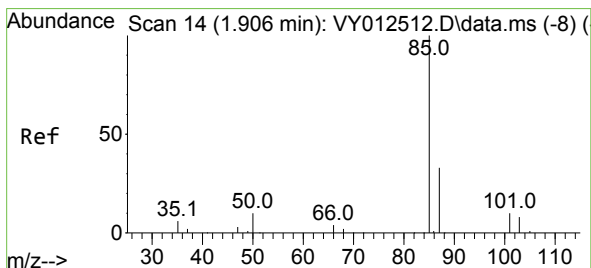
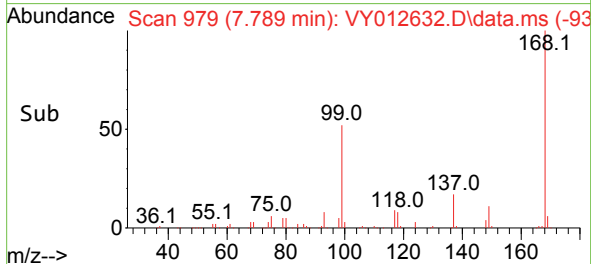
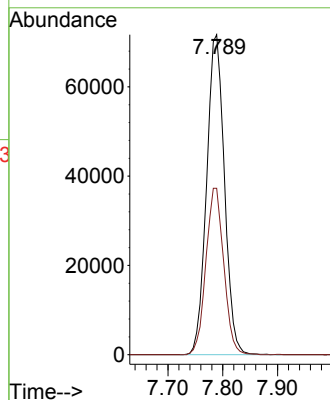
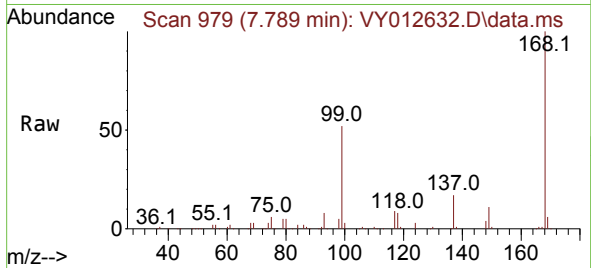




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

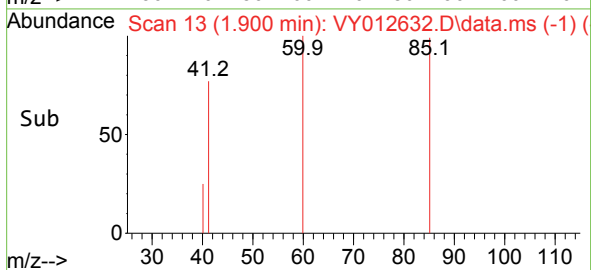
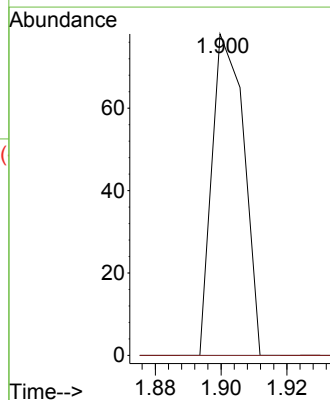
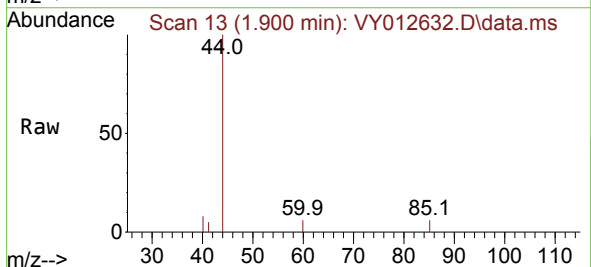
Instrument :
MSVOA_Y
ClientSampleId :

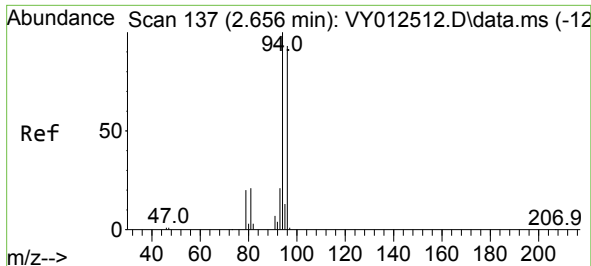
Tgt Ion:168 Resp: 161340
Ion Ratio Lower Upper
168 100
99 52.0 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

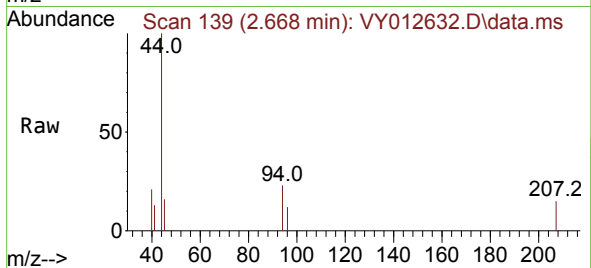
Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#



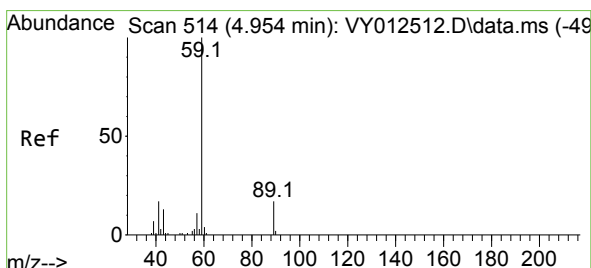
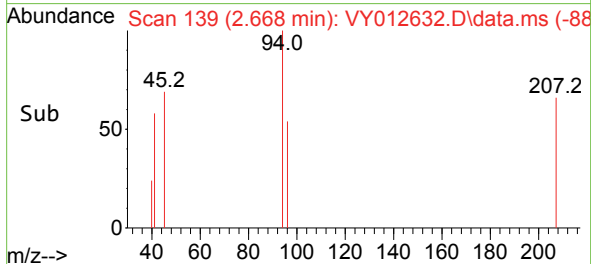
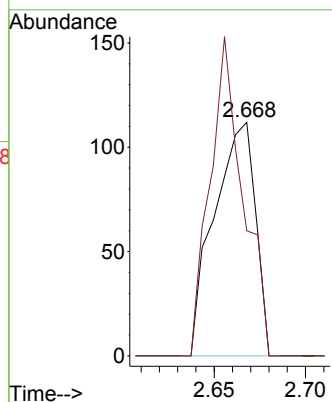


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Instrument :
MSVOA_Y
ClientSampleId :

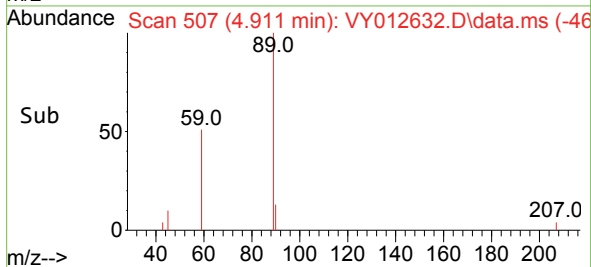
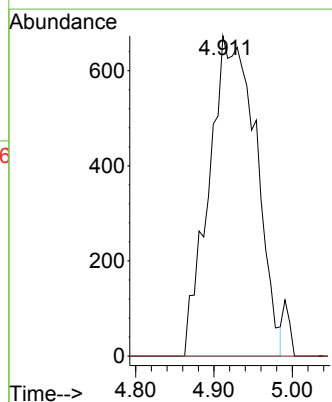
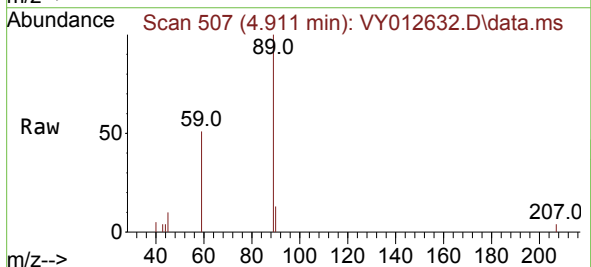


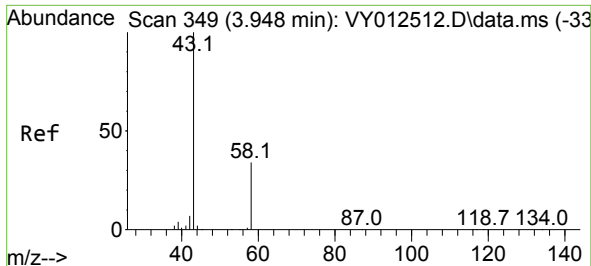
Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 53.6 74.7 112.1#



#11
Tert butyl alcohol
Concen: 5.254 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

Tgt Ion: 59 Resp: 2798
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 5.365 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

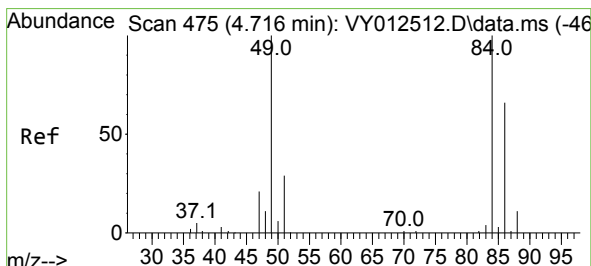
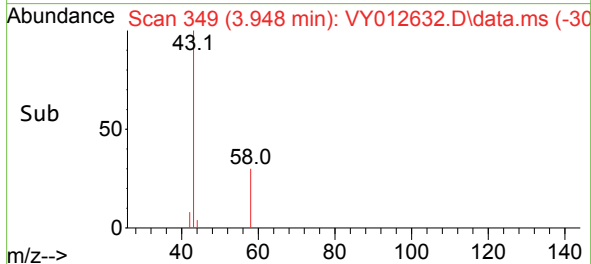
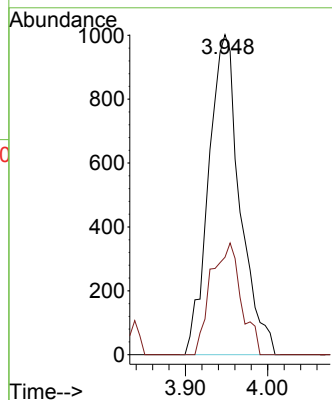
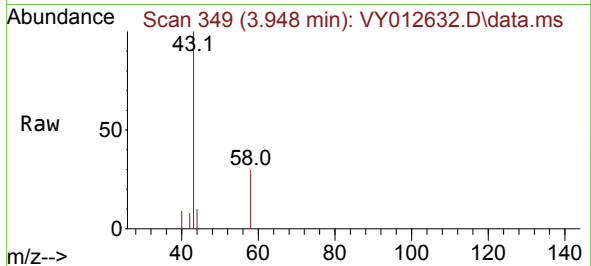
ClientSampleId :

Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

58 30.4 27.1 40.7



#20

Methylene Chloride

Concen: 2.208 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Tgt Ion: 84 Resp: 11508

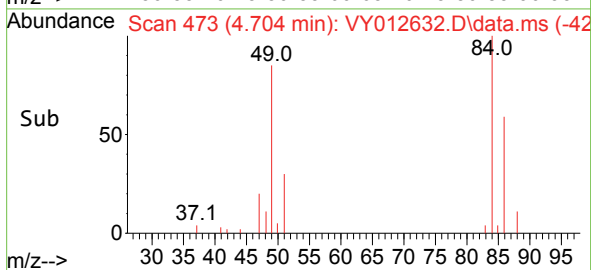
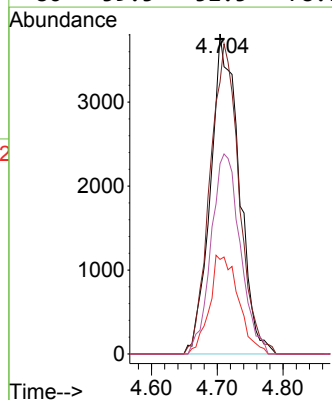
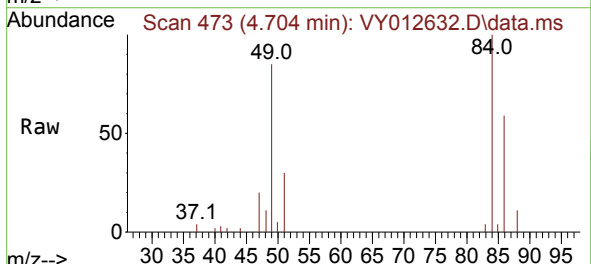
Ion Ratio Lower Upper

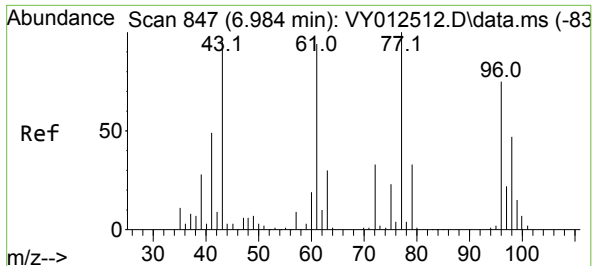
84 100

49 85.0 79.8 119.6

51 29.5 23.4 35.2

86 59.5 52.5 78.7





#25

2-Butanone

Concen: 2.154 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

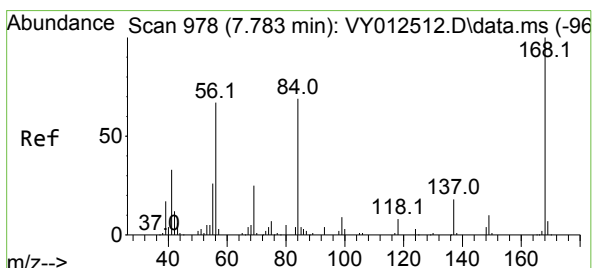
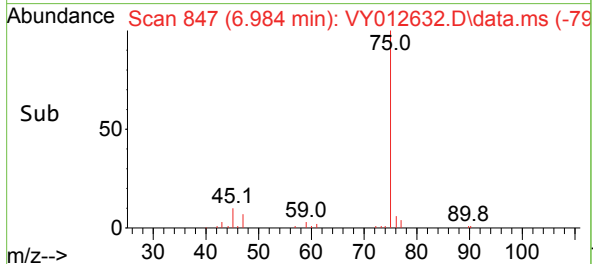
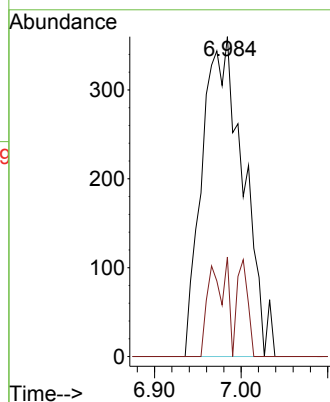
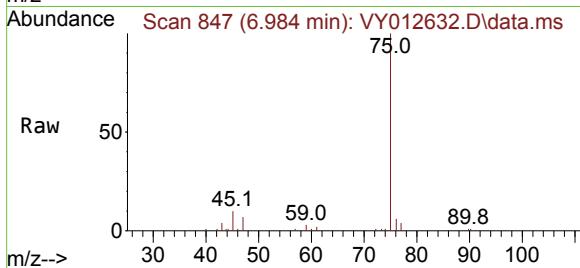
ClientSampleId :

Tgt Ion: 43 Resp: 1180

Ion Ratio Lower Upper

43 100

72 31.1 27.4 41.2



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

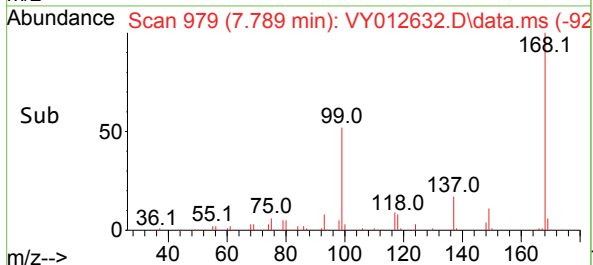
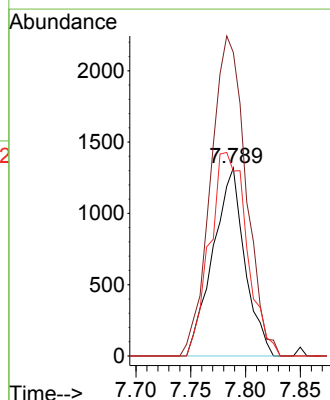
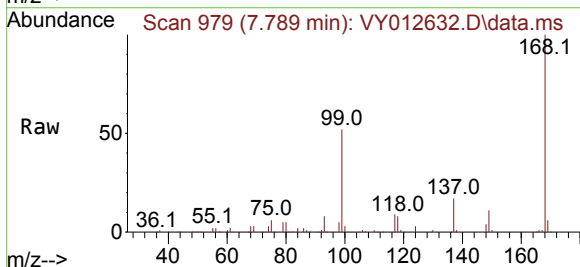
Tgt Ion: 56 Resp: 2665

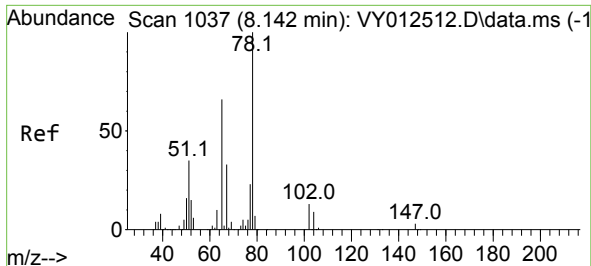
Ion Ratio Lower Upper

56 100

69 161.5 29.5 44.3#

84 98.4 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 45.984 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

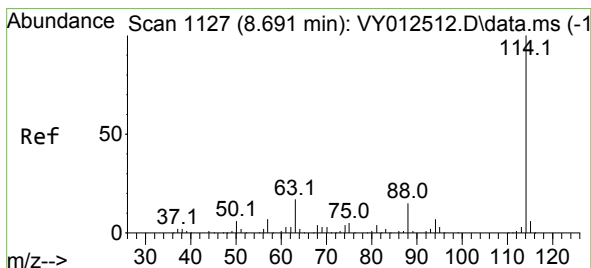
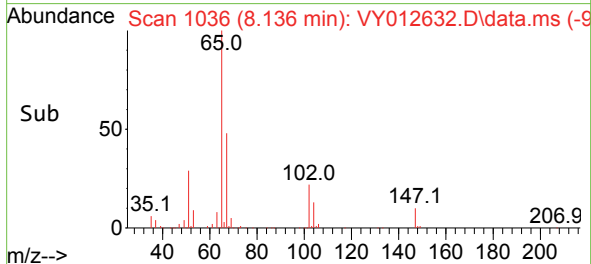
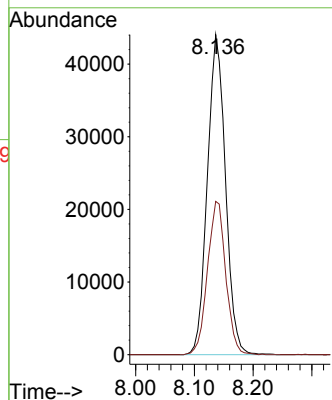
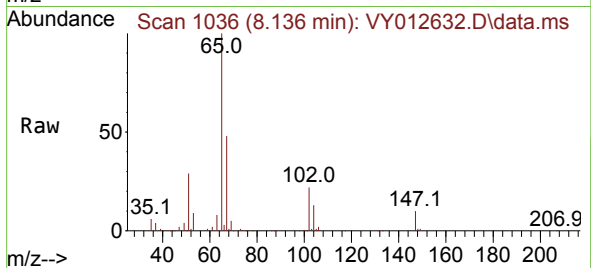
ClientSampleId :

Tgt Ion: 65 Resp: 94343

Ion Ratio Lower Upper

65 100

67 48.3 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

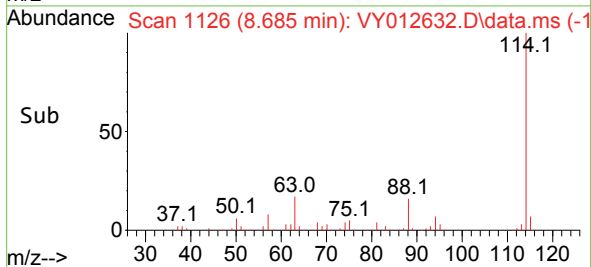
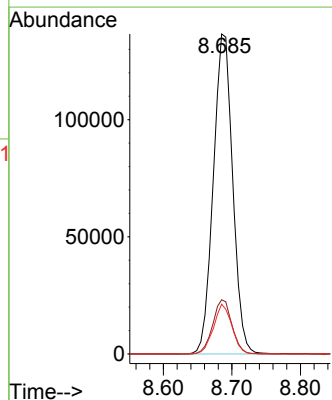
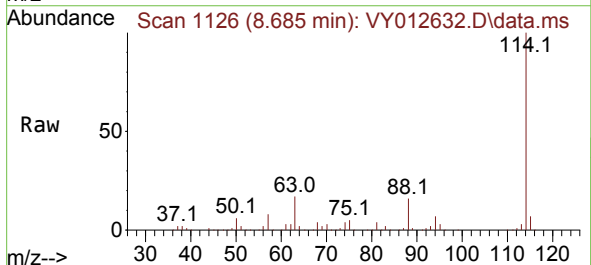
Tgt Ion:114 Resp: 267755

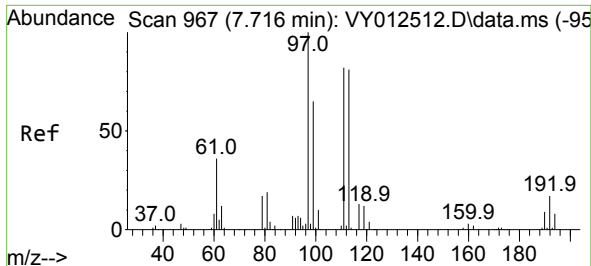
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

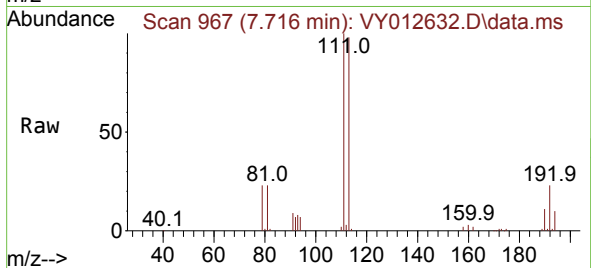
88 15.6 0.0 29.8



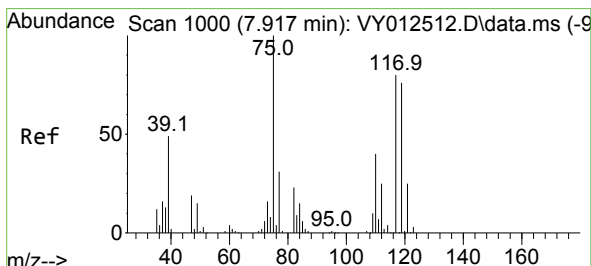
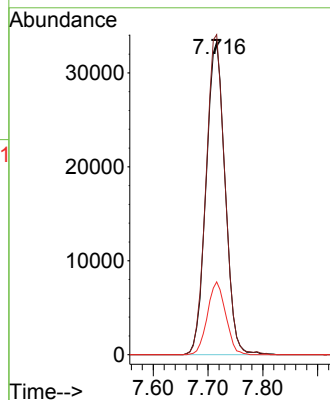
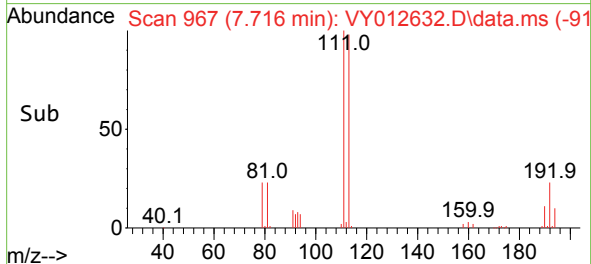


#35
Dibromofluoromethane
Concen: 40.907 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

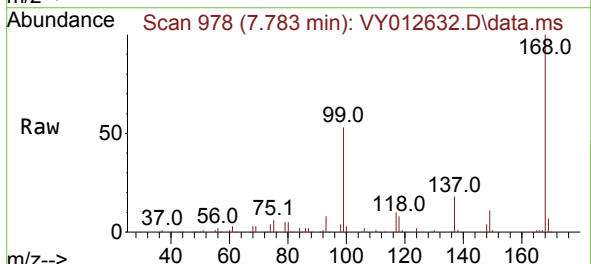
Instrument :
MSVOA_Y
ClientSampleId :



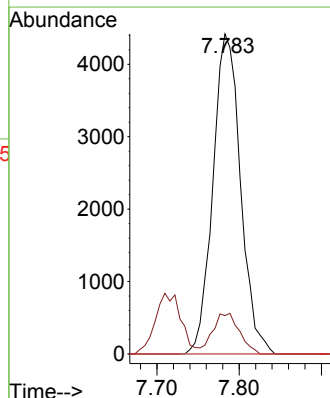
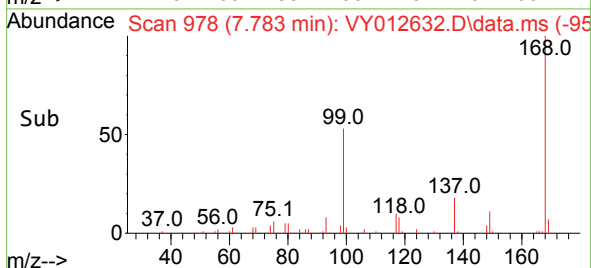
Tgt Ion:113 Resp: 79767
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 22.4 17.5 26.3

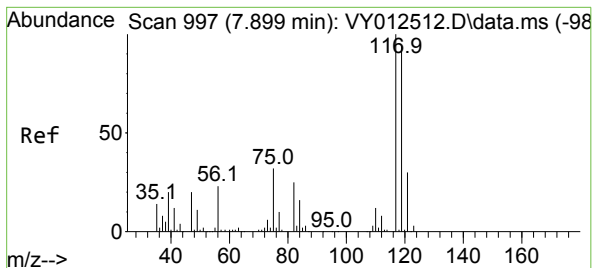


#36
1,1-Dichloropropene
Concen: 3.906 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52



Tgt Ion: 75 Resp: 10307
Ion Ratio Lower Upper
75 100
110 12.2 19.5 58.5#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.421 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

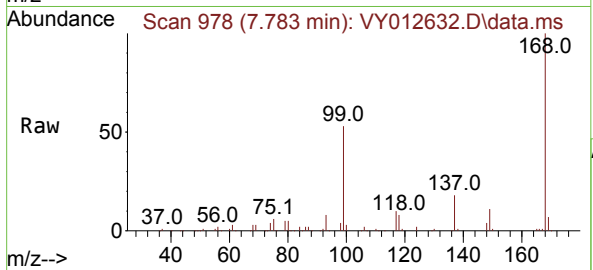
Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :



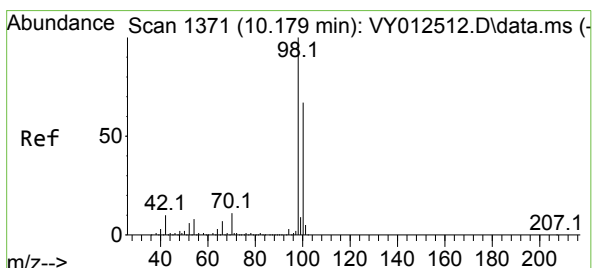
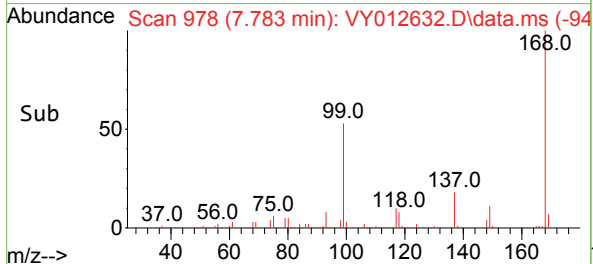
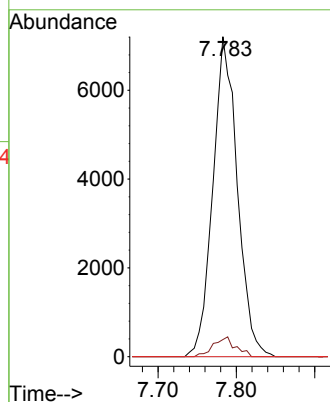
Tgt Ion:117 Resp: 15663

Ion Ratio Lower Upper

117 100

119 5.3 75.1 112.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 39.070 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012632.D

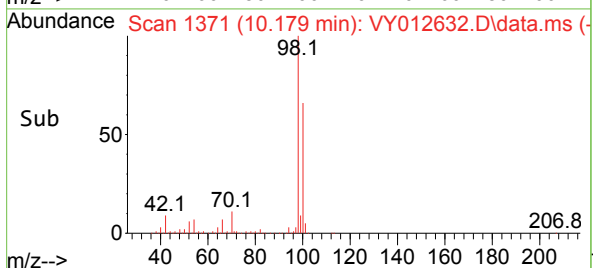
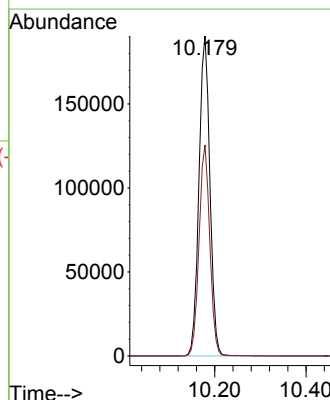
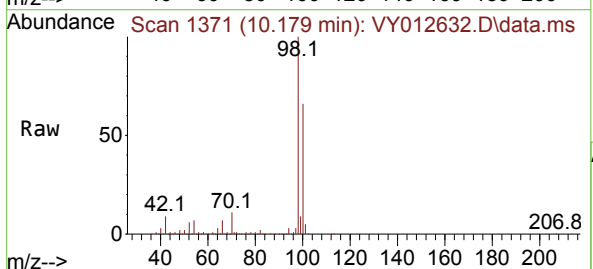
Acq: 16 Feb 2023 12:52

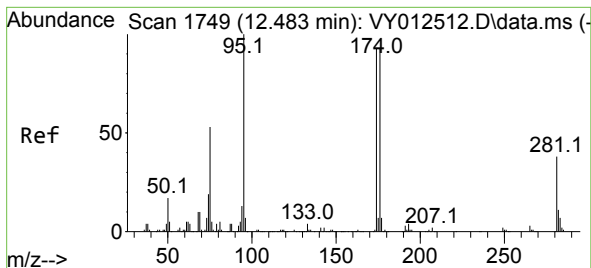
Tgt Ion: 98 Resp: 317101

Ion Ratio Lower Upper

98 100

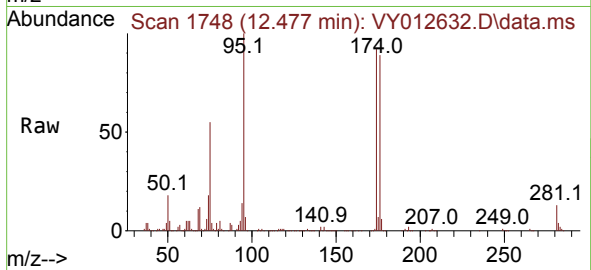
100 64.7 52.2 78.2



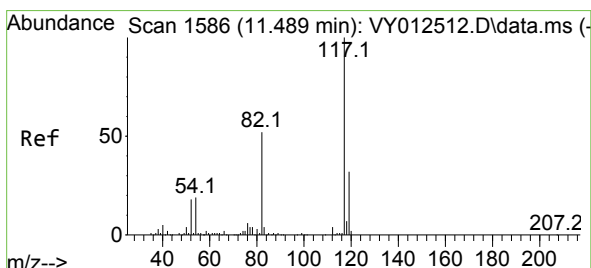
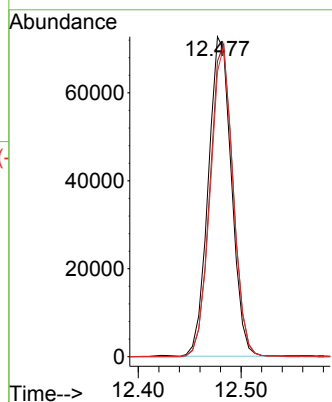
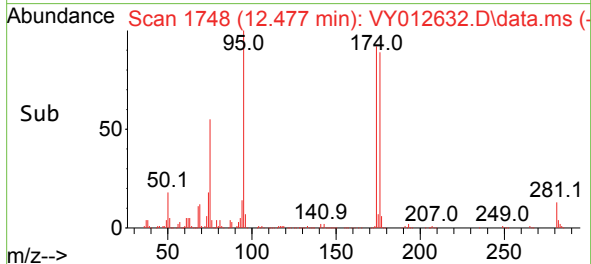


#62
4-Bromofluorobenzene
Concen: 40.067 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52

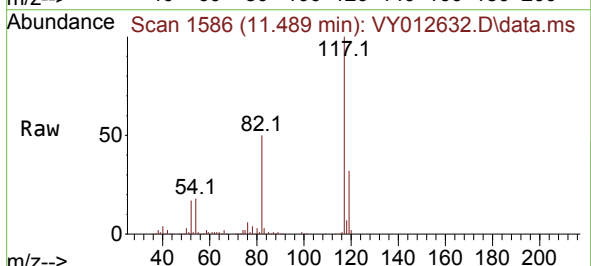
Instrument :
MSVOA_Y
ClientSampleId :



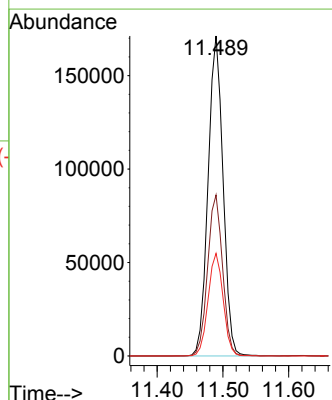
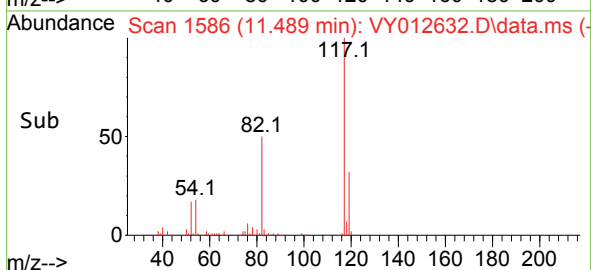
Tgt Ion:	95	Resp:	113430
Ion Ratio	Lower	Upper	
95	100		
174	97.3	0.0	188.0
176	95.5	0.0	183.6

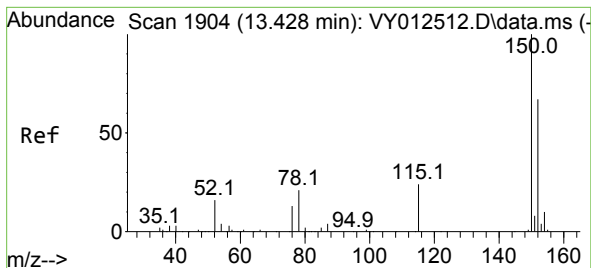


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012632.D
Acq: 16 Feb 2023 12:52



Tgt Ion:	117	Resp:	271153
Ion Ratio	Lower	Upper	
117	100		
82	50.3	41.7	62.5
119	32.1	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012632.D

Acq: 16 Feb 2023 12:52

Instrument :

MSVOA_Y

ClientSampleId :

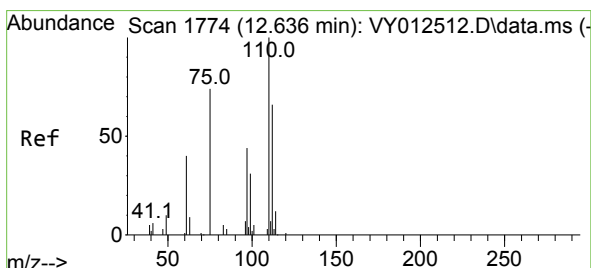
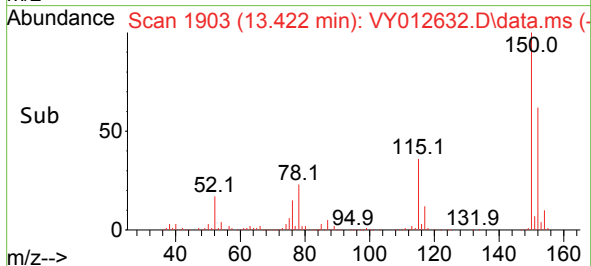
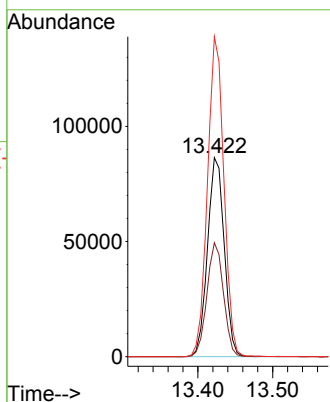
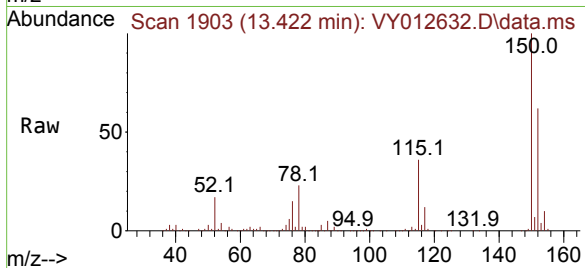
Tgt Ion:152 Resp: 134437

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.3

150 157.5 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 41.171 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012632.D

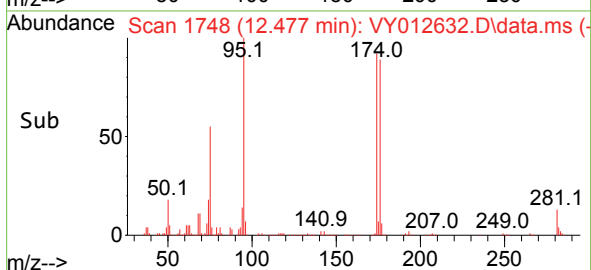
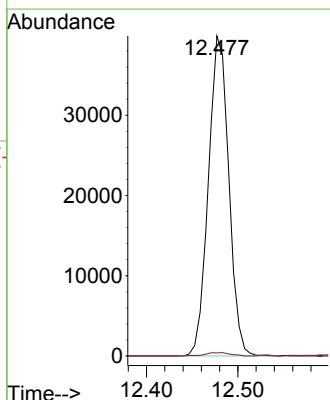
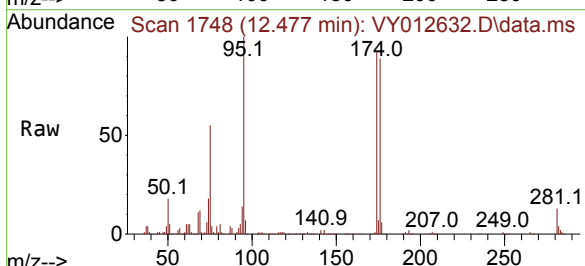
Acq: 16 Feb 2023 12:52

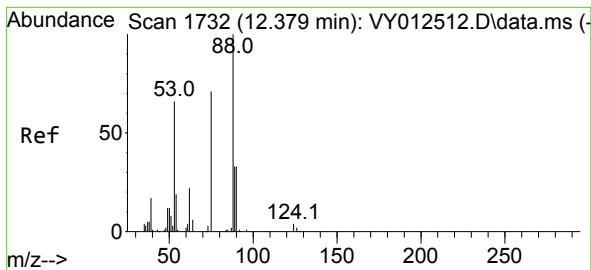
Tgt Ion: 75 Resp: 61838

Ion Ratio Lower Upper

75 100

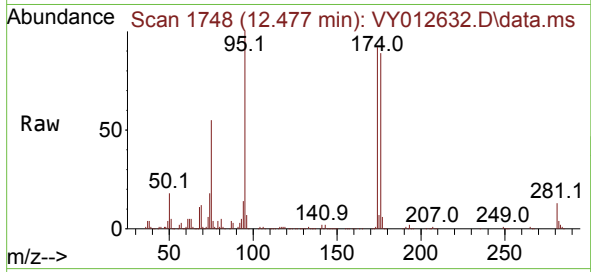
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.843 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012632.D
 Acq: 16 Feb 2023 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 61838
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.1 109.7#
 89 0.2 39.9 59.9#

