

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012620.D
 Acq On : 15 Feb 2023 17:35
 Operator : KP/MD
 Sample : 01559-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 01:01:07 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)

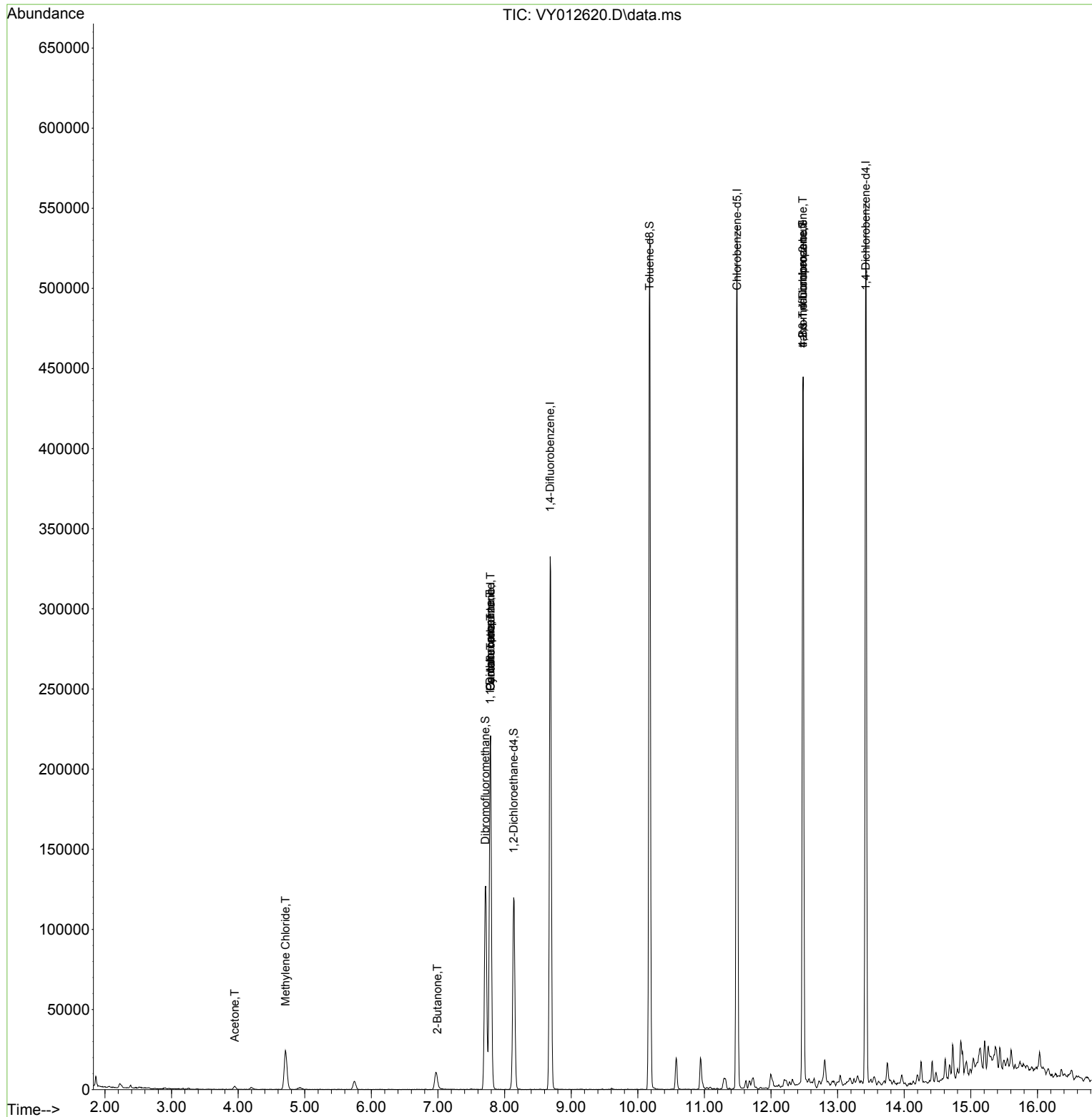
Internal Standards						
1) Pentafluorobenzene	7.789	168	180031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	304640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100431	43.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.740%
35) Dibromofluoromethane	7.710	113	89598	40.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.760%
50) Toluene-d8	10.179	98	354725	38.880	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.760%
62) 4-Bromofluorobenzene	12.477	95	129673	40.747	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23	Below Cal	#	41
5) Bromomethane	2.662	94	65	Below Cal	#	35
11) Tert butyl alcohol	4.918	59	729	Below Cal	#	75
16) Acetone	3.948	43	3438	6.240	ug/l	91
20) Methylene Chloride	4.710	84	20127	6.073	ug/l	95
25) 2-Butanone	6.990	43	965	1.578	ug/l	# 88
31) Cyclohexane	7.789	56	2928	1.106	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	11645	3.925	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	17371	4.362	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	66910	39.675	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	66910	89.470	ug/l	# 12

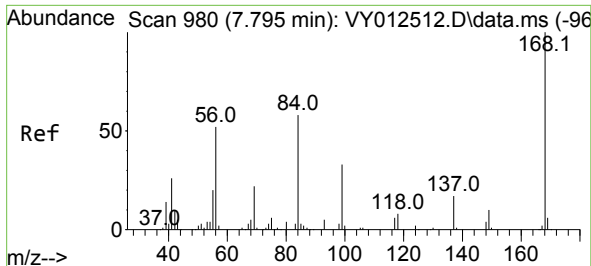
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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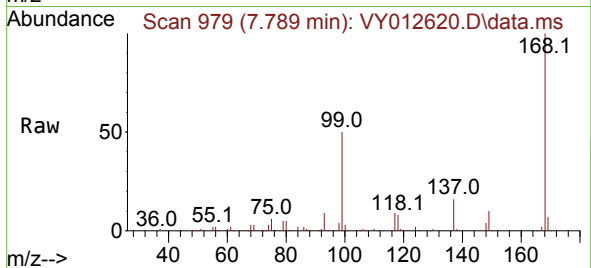
Quant Time: Feb 16 01:01:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration



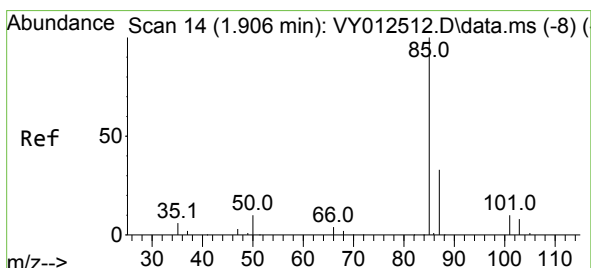
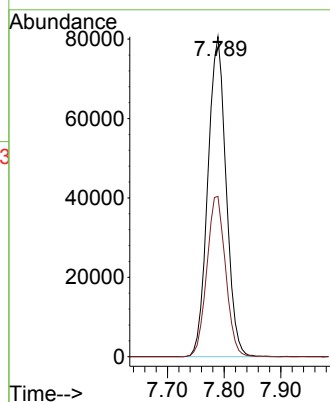
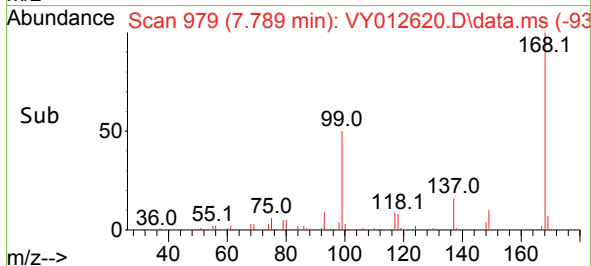


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

Instrument :
MSVOA_Y
ClientSampleId :

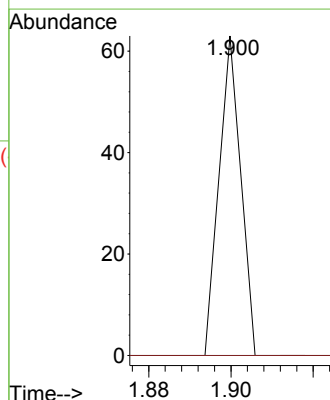
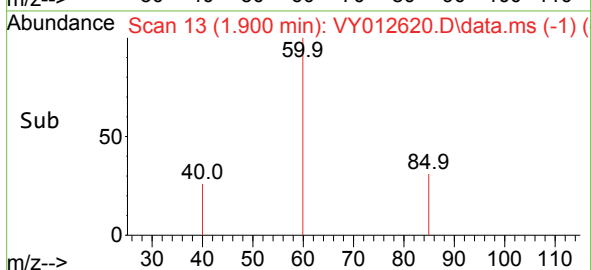
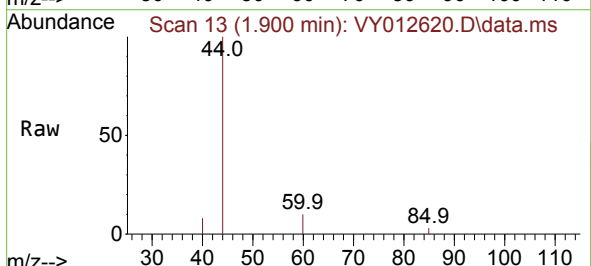


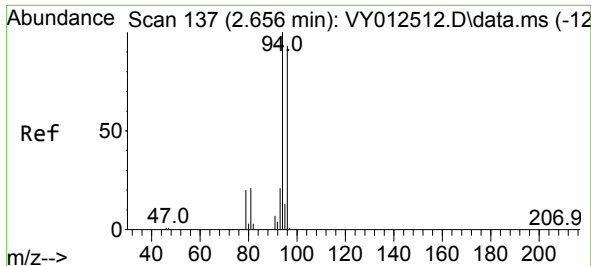
Tgt Ion:168 Resp: 180031
Ion Ratio Lower Upper
168 100
99 50.1 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

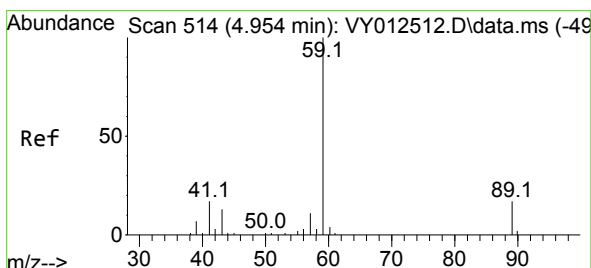
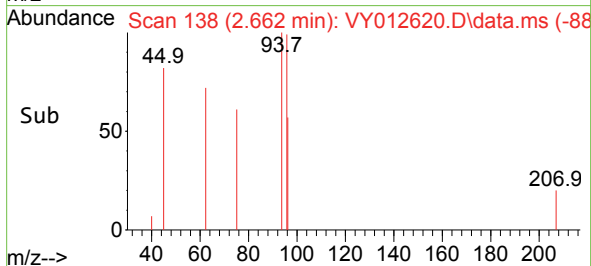
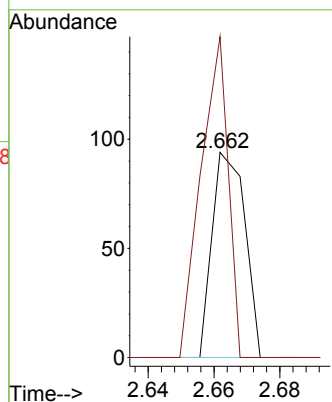
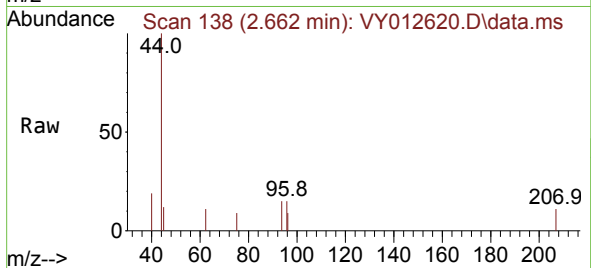




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

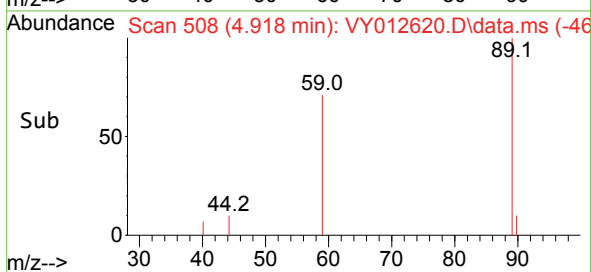
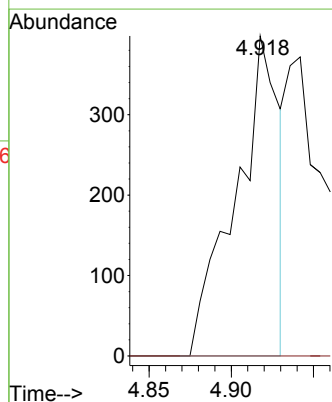
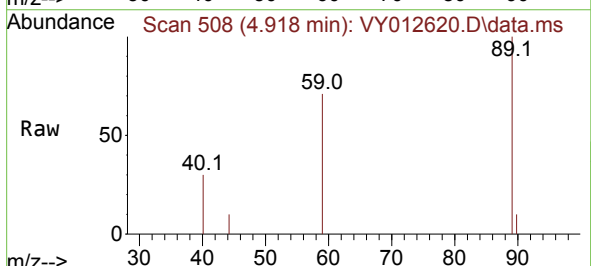
Instrument :
MSVOA_Y
ClientSampleId :

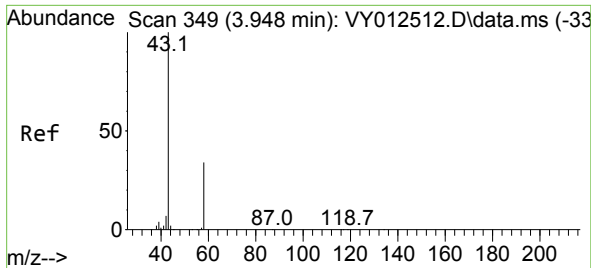
Tgt Ion: 94 Resp: 65
Ion Ratio Lower Upper
94 100
96 156.4 74.7 112.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

Tgt Ion: 59 Resp: 729
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 6.240 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012620.D

Acq: 15 Feb 2023 17:35

Instrument :

MSVOA_Y

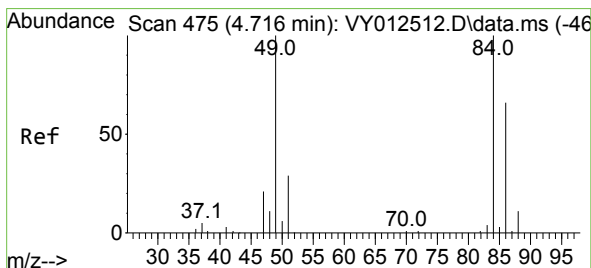
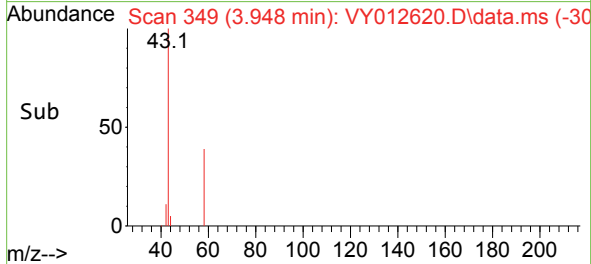
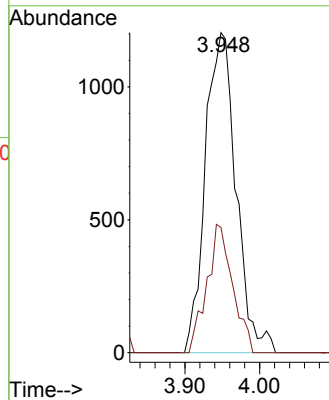
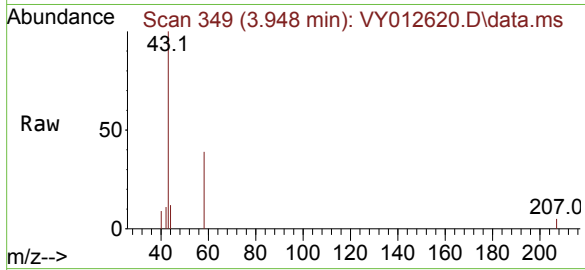
ClientSampleId :

Tgt Ion: 43 Resp: 3438

Ion Ratio Lower Upper

43 100

58 39.1 27.1 40.7



#20

Methylene Chloride

Concen: 6.073 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012620.D

Acq: 15 Feb 2023 17:35

Tgt Ion: 84 Resp: 20127

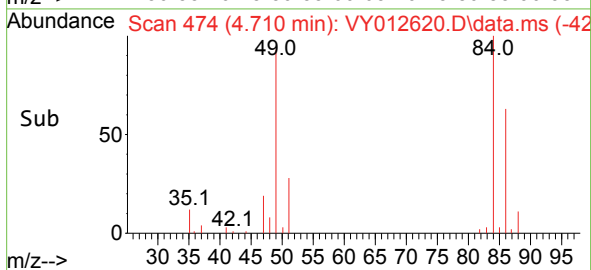
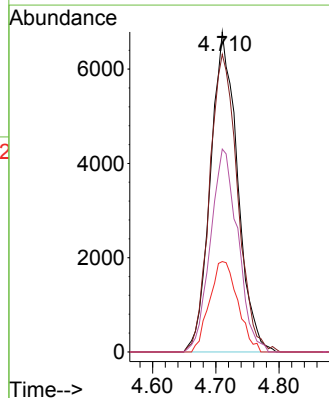
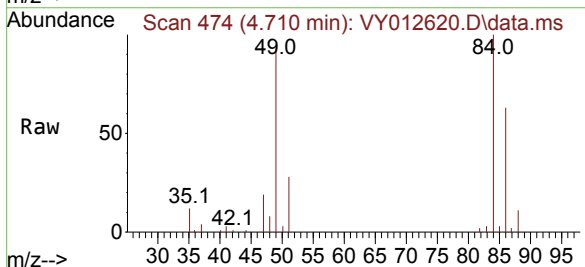
Ion Ratio Lower Upper

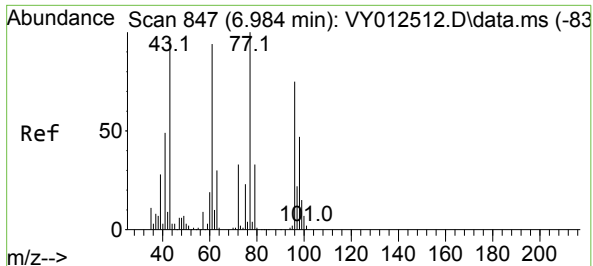
84 100

49 93.0 79.8 119.6

51 28.3 23.4 35.2

86 63.4 52.5 78.7





#25

2-Butanone

Concen: 1.578 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

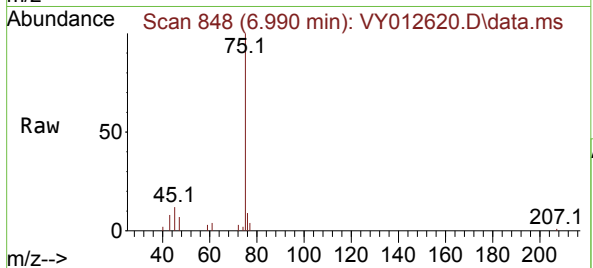
Lab File: VY012620.D

Acq: 15 Feb 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

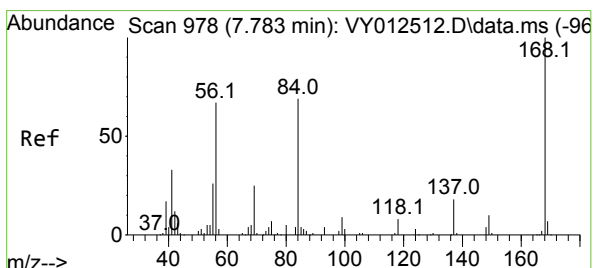
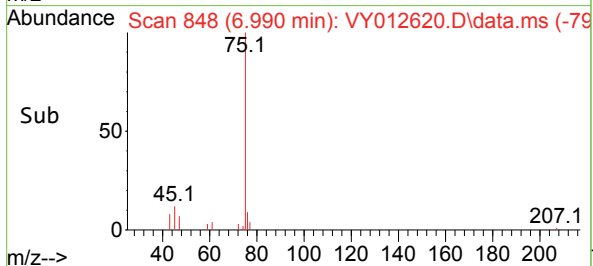
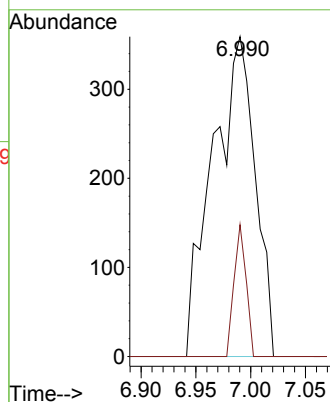


Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

72 41.2 27.4 41.2#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012620.D

Acq: 15 Feb 2023 17:35

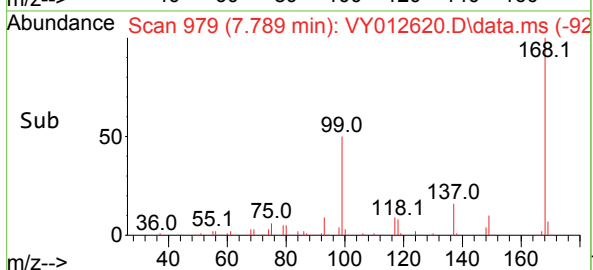
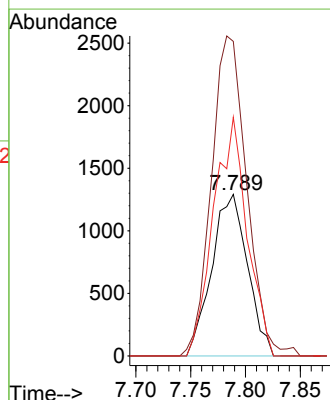
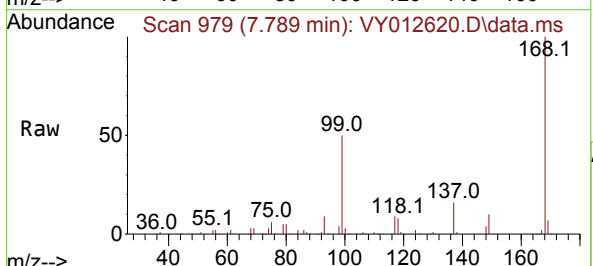
Tgt Ion: 56 Resp: 2928

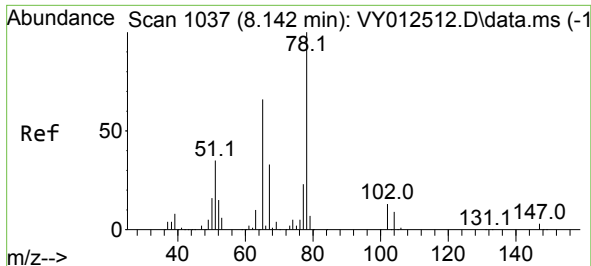
Ion Ratio Lower Upper

56 100

69 194.7 29.5 44.3#

84 147.8 81.9 122.9#





#33

1,2-Dichloroethane-d4

Concen: 43.869 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012620.D

Acq: 15 Feb 2023 17:35

Instrument :

MSVOA_Y

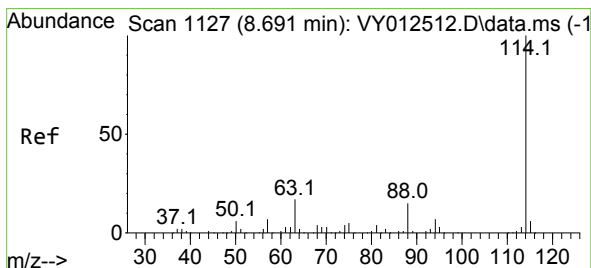
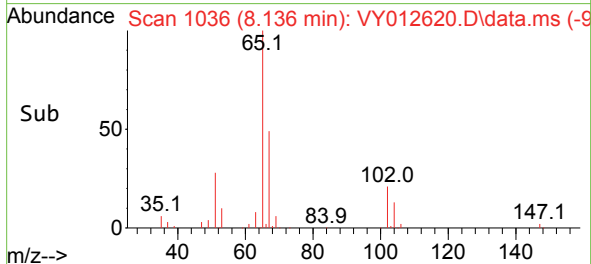
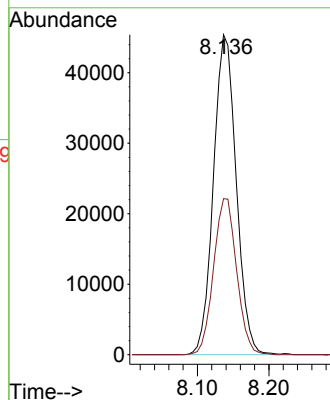
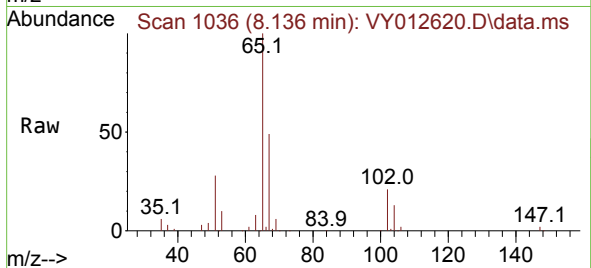
ClientSampleId :

Tgt Ion: 65 Resp: 100431

Ion Ratio Lower Upper

65 100

67 49.4 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: VY012620.D

Acq: 15 Feb 2023 17:35

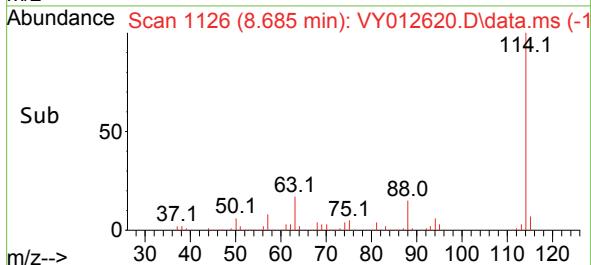
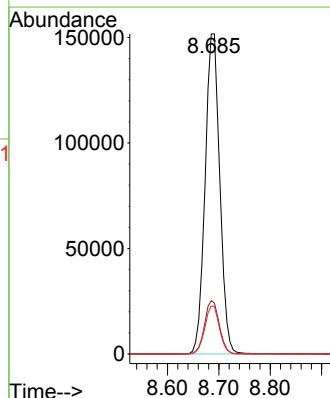
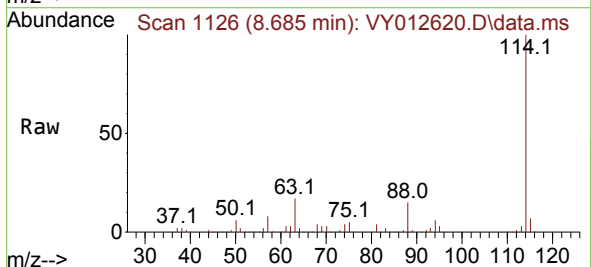
Tgt Ion: 114 Resp: 300990

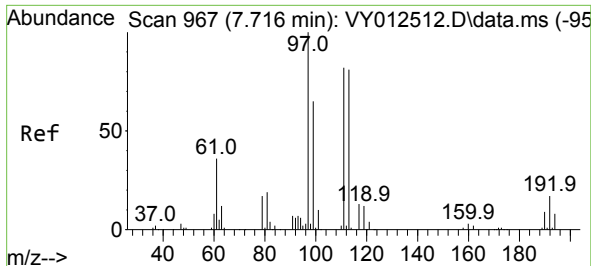
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 15.0 0.0 29.8

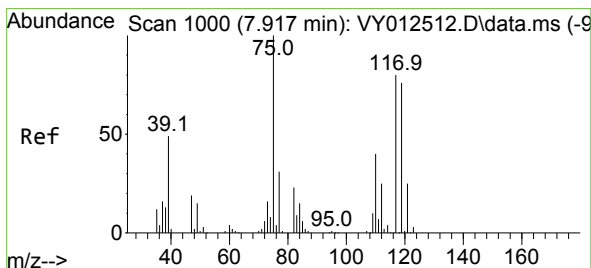
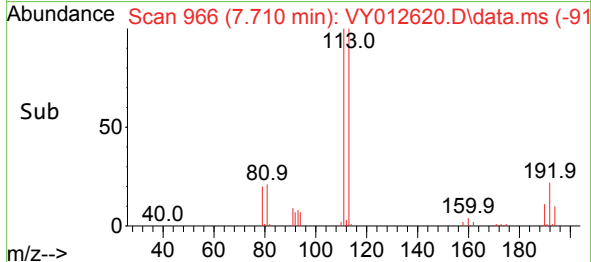
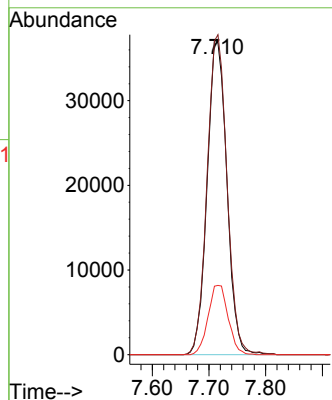
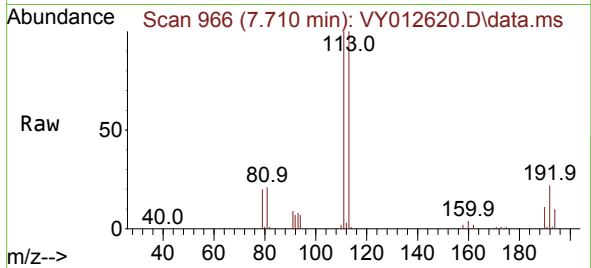




#35
Dibromofluoromethane
Concen: 40.875 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

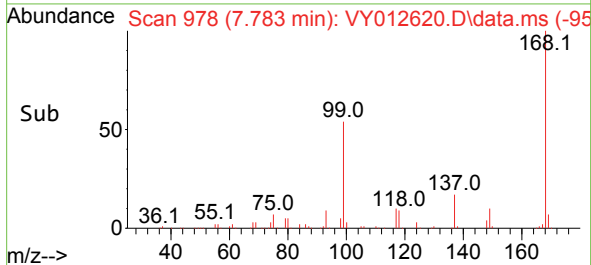
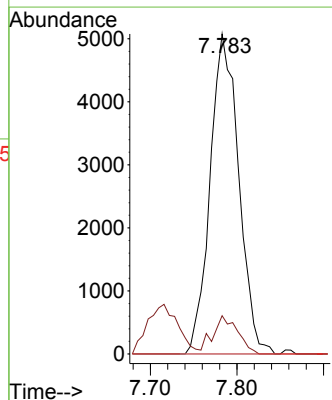
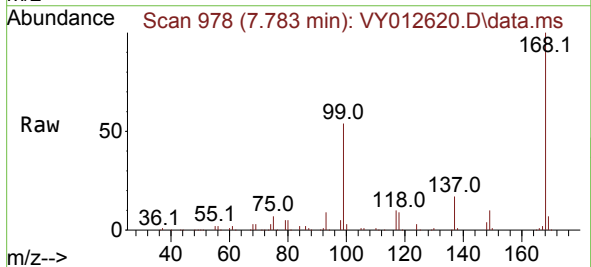
Instrument :
MSVOA_Y
ClientSampleId :

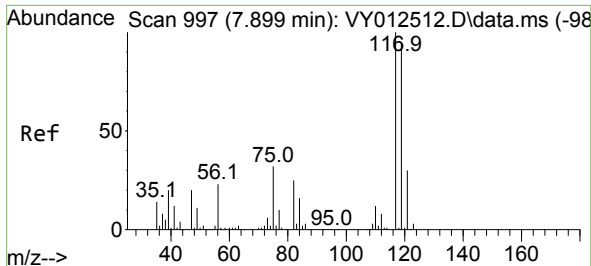
Tgt Ion:113 Resp: 89598
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 22.4 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.925 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

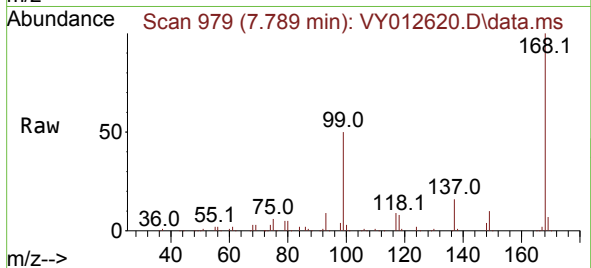
Tgt Ion: 75 Resp: 11645
Ion Ratio Lower Upper
75 100
110 10.2 19.5 58.5#
77 0.0 24.9 37.3#



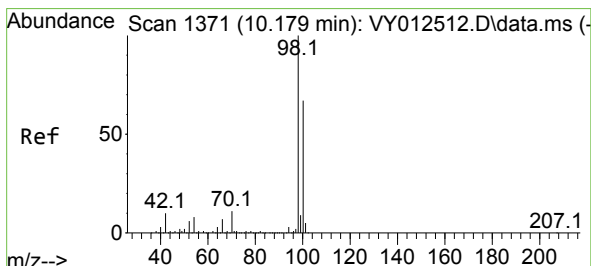
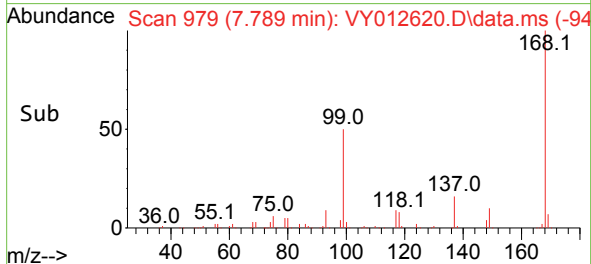
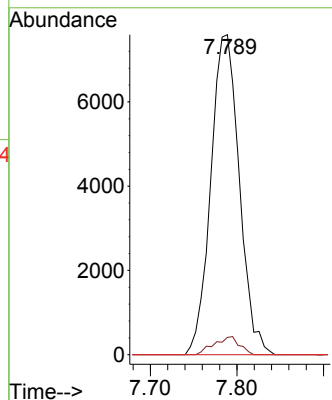


#38
Carbon Tetrachloride
Concen: 4.362 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

Instrument :
MSVOA_Y
ClientSampleId :

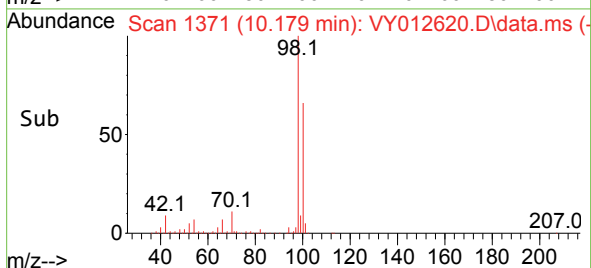
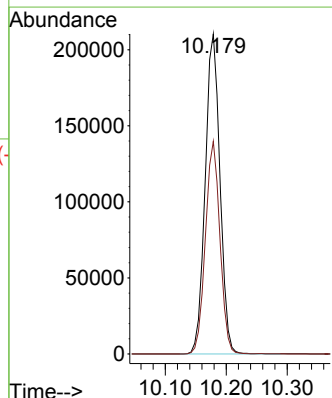
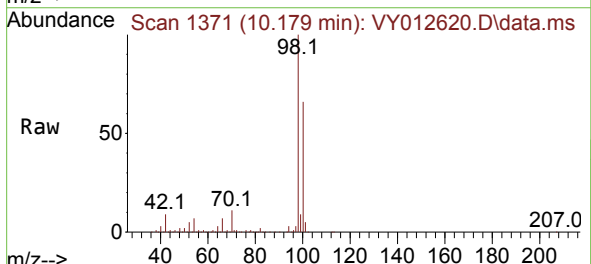


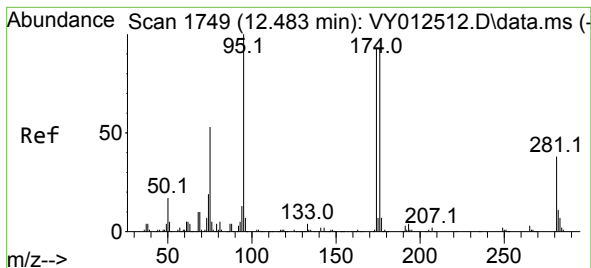
Tgt Ion:117 Resp: 17371
Ion Ratio Lower Upper
117 100
119 5.4 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.880 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

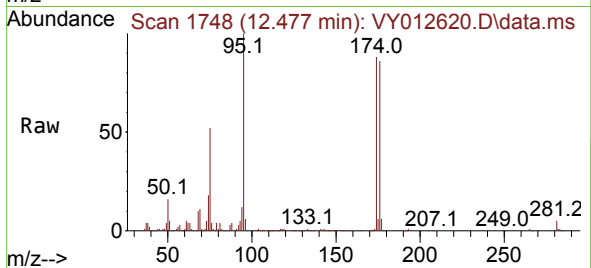
Tgt Ion: 98 Resp: 354725
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



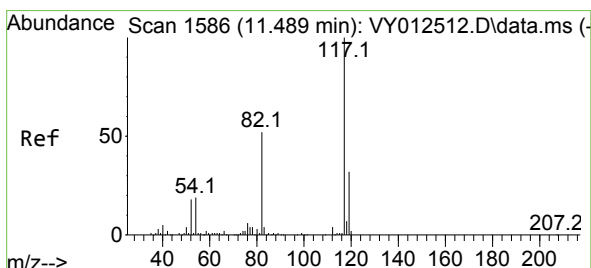
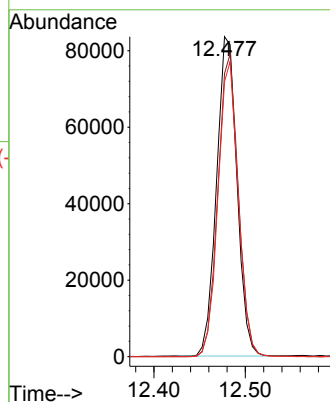
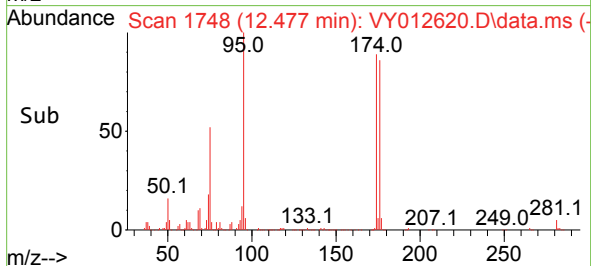


#62
4-Bromofluorobenzene
Concen: 40.747 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

Instrument :
MSVOA_Y
ClientSampleId :

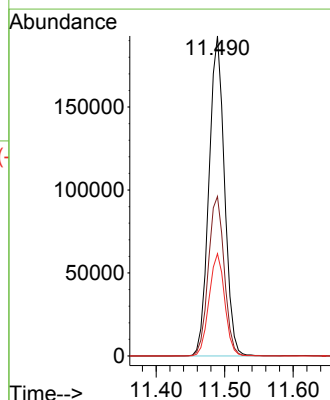
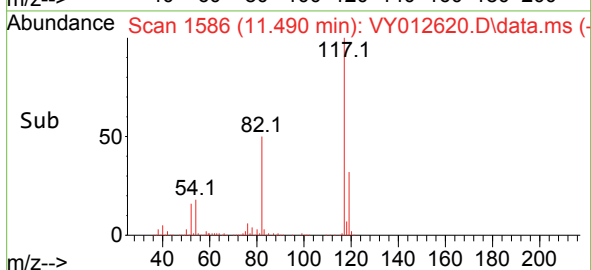
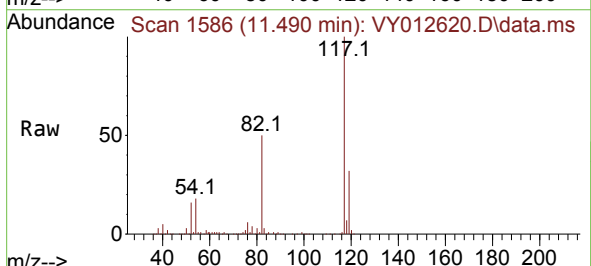


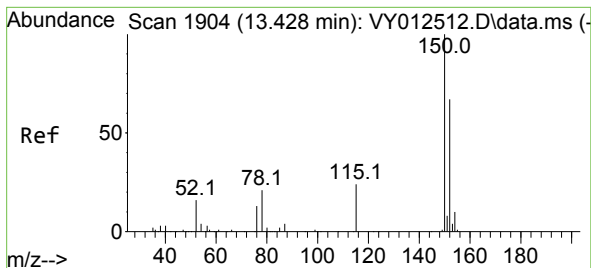
Tgt Ion: 95 Resp: 129673
Ion Ratio Lower Upper
95 100
174 94.7 0.0 188.0
176 91.9 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012620.D
Acq: 15 Feb 2023 17:35

Tgt Ion: 117 Resp: 304640
Ion Ratio Lower Upper
117 100
82 49.8 41.7 62.5
119 31.9 25.8 38.8

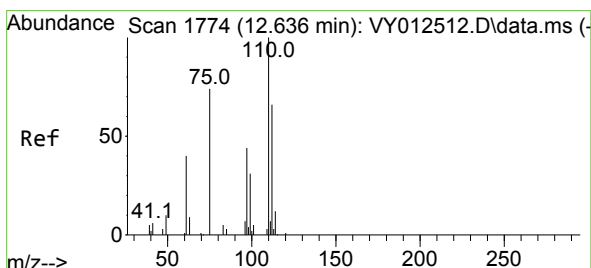
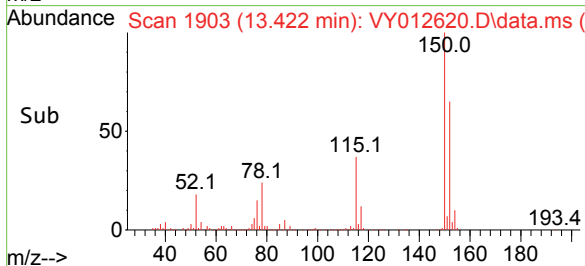
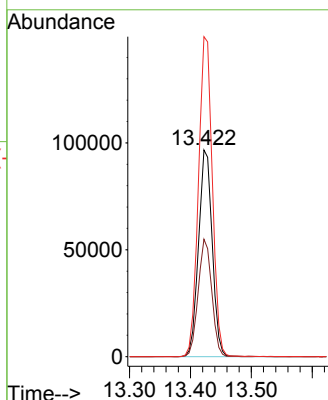
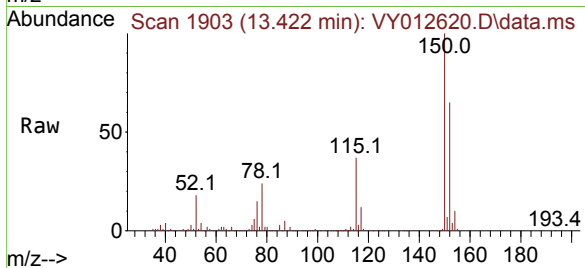




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY012620.D
 Acq: 15 Feb 2023 17:35

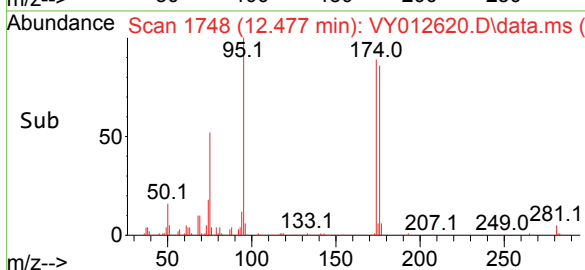
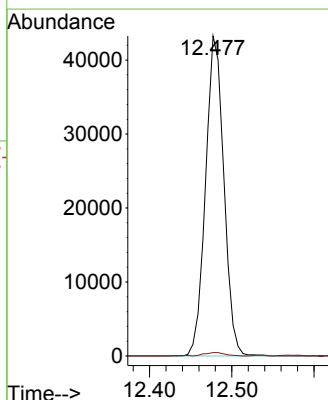
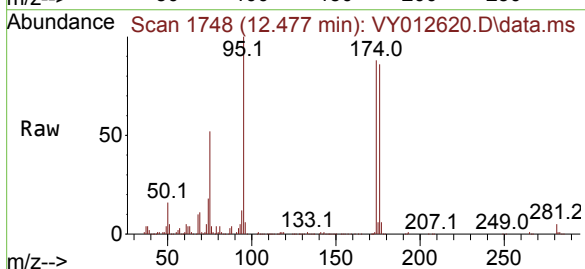
Instrument :
 MSVOA_Y
 ClientSampleId :

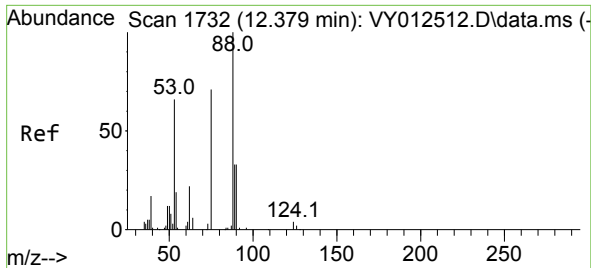
Tgt Ion:152 Resp: 150948
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.1 84.3
 150 157.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 39.675 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY012620.D
 Acq: 15 Feb 2023 17:35

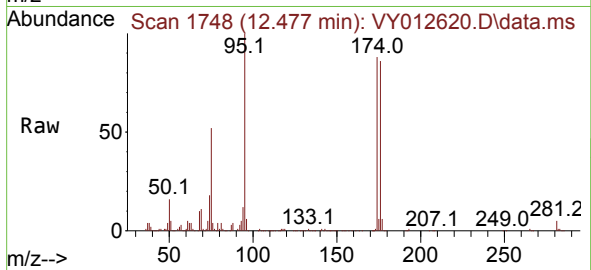
Tgt Ion: 75 Resp: 66910
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.470 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012620.D
 Acq: 15 Feb 2023 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	73.1	109.7#
89	0.0	39.9	59.9#

