

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032024\
 Data File : VY017727.D
 Acq On : 20 Mar 2024 15:30
 Operator : SY/MD
 Sample : P1814-01
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 21 03:15:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

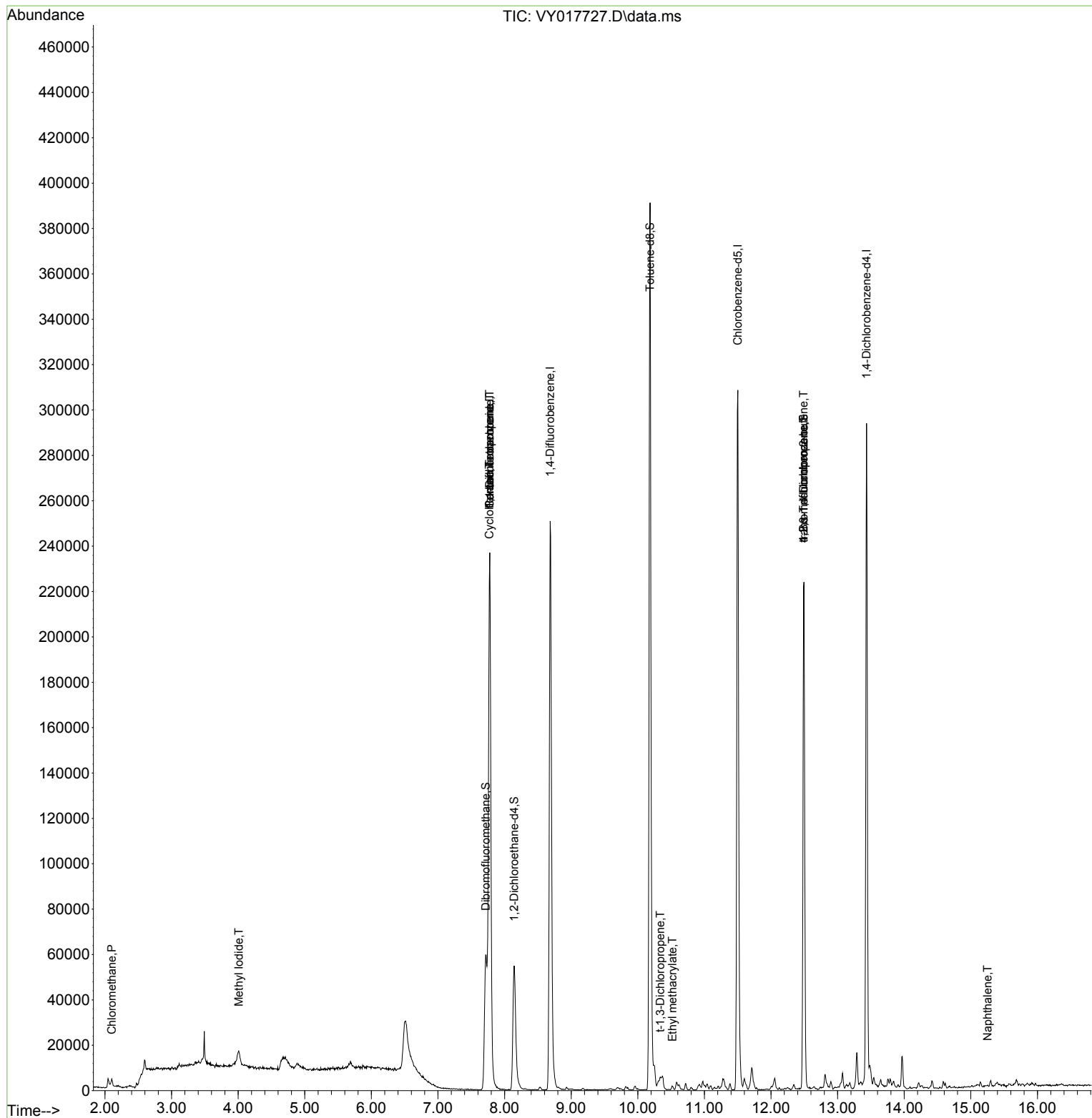
Internal Standards						
1) Pentafluorobenzene	7.777	168	192992	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.685	114	281709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	217177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	86025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55283	30.225	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	60.460%
35) Dibromofluoromethane	7.716	113	60139	30.636	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	61.280%
50) Toluene-d8	10.185	98	302915	44.134	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.260%
62) 4-Bromofluorobenzene	12.489	95	76138	35.298	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	3003	1.154	ug/l	96
10) Methyl Iodide	4.009	142	12854	5.855	ug/l	96
20) Methylene Chloride	4.661	84	3121	Below Cal		91
31) Cyclohexane	7.771	56	18144	6.096	ug/l #	82
36) 1,1-Dichloropropene	7.777	75	12070	4.557	ug/l #	51
38) Carbon Tetrachloride	7.777	117	16448	6.196	ug/l #	18
53) t-1,3-Dichloropropene	10.337	75	4664	1.932	ug/l #	45
56) Ethyl methacrylate	10.520	69	228	2.653	ug/l #	29
76) 1,2,3-Trichloropropane	12.489	75	36664	44.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	36664	103.069	ug/l #	16
95) Naphthalene	15.251	128	746	4.170	ug/l #	73

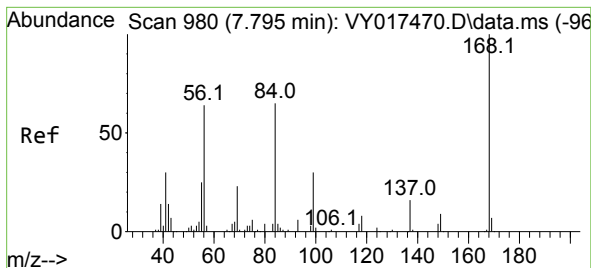
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 24 04:41:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.018 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

Instrument :

MSVOA_Y

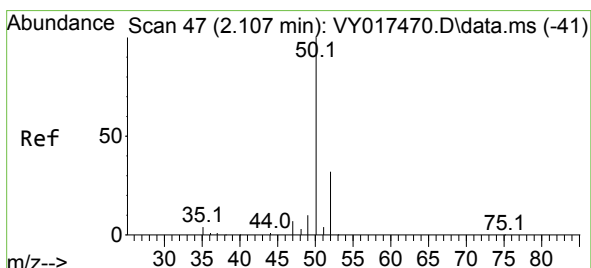
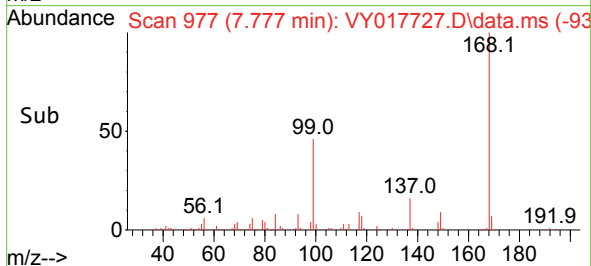
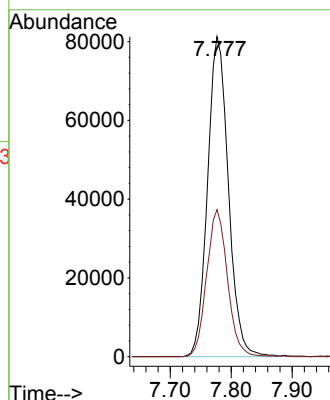
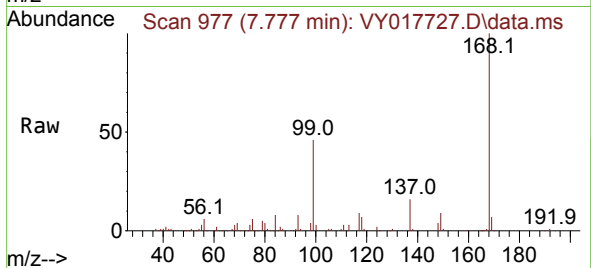
ClientSampleId :

Tgt Ion:168 Resp: 192992

Ion Ratio Lower Upper

168 100

99 45.9 39.1 58.7



#3

Chloromethane

Concen: 1.154 ug/l

RT: 2.101 min Scan# 46

Delta R.T. -0.006 min

Lab File: VY017727.D

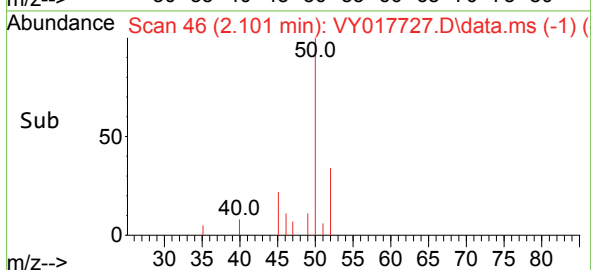
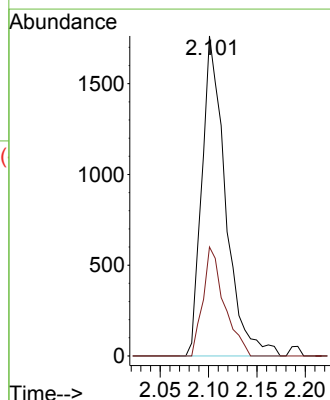
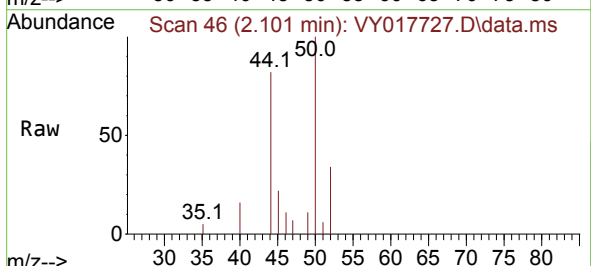
Acq: 20 Mar 2024 15:30

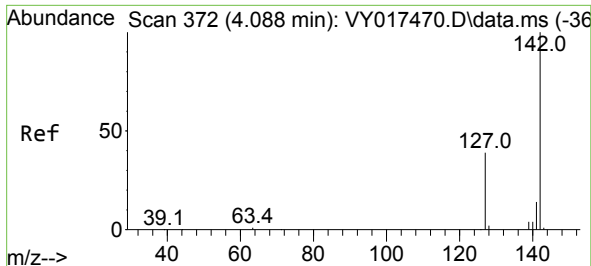
Tgt Ion: 50 Resp: 3003

Ion Ratio Lower Upper

50 100

52 34.0 25.6 38.4





#10

Methyl Iodide

Concen: 5.855 ug/l

RT: 4.009 min Scan# 31

Delta R.T. -0.079 min

Lab File: VY017727.D

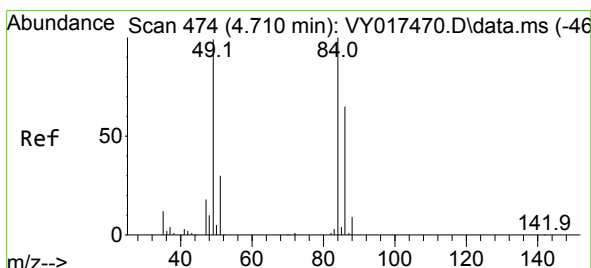
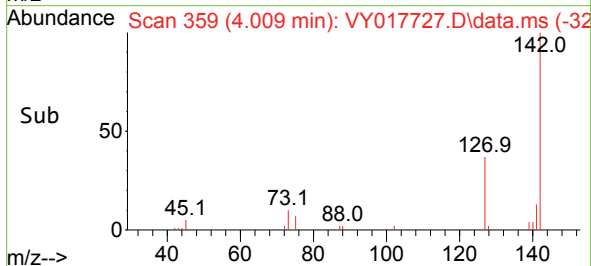
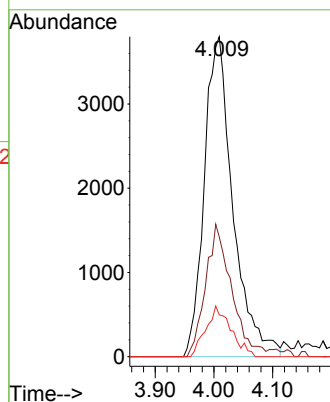
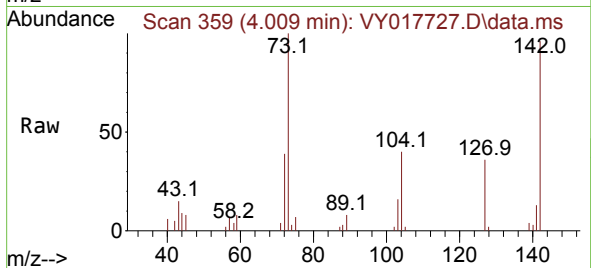
Acq: 20 Mar 2024 15:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142	Resp:	12854
Ion	Ratio	Lower Upper
142	100	
127	37.6	32.8 49.2
141	13.8	11.4 17.2



#20

Methylene Chloride

Concen: Below Cal

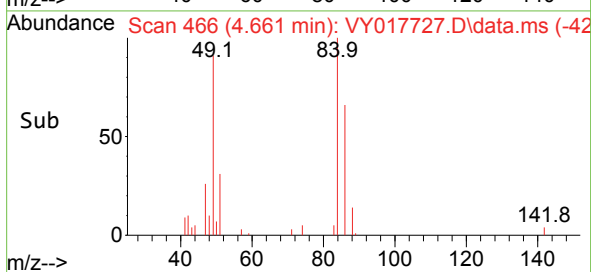
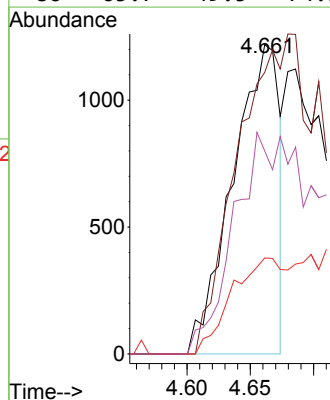
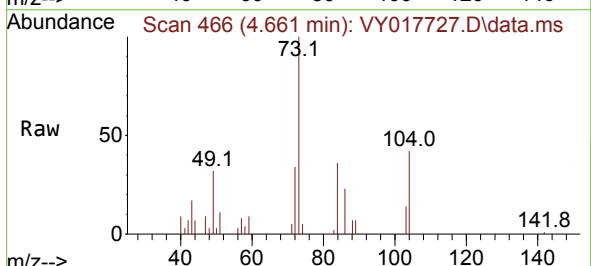
RT: 4.661 min Scan# 466

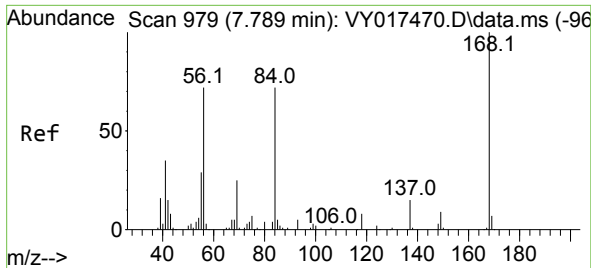
Delta R.T. -0.049 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

Tgt Ion: 84	Resp:	3121
Ion	Ratio	Lower Upper
84	100	
49	91.1	84.4 126.6
51	31.0	26.0 39.0
86	65.7	49.5 74.3

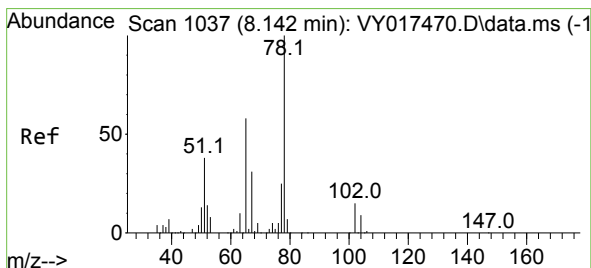
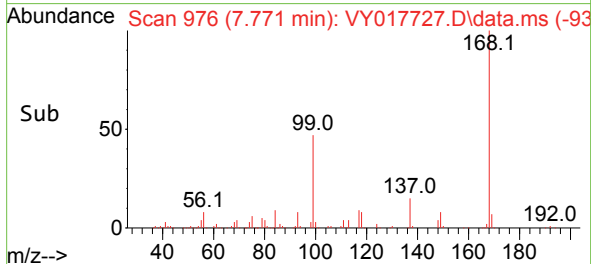
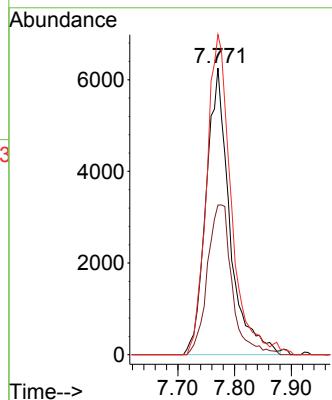
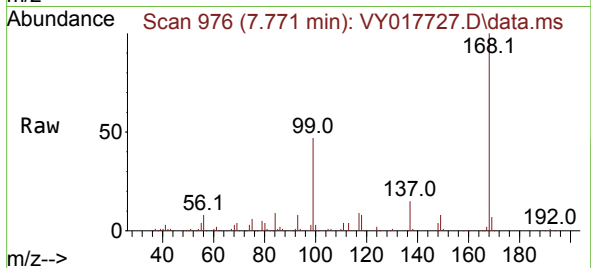




#31
Cyclohexane
Concen: 6.096 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

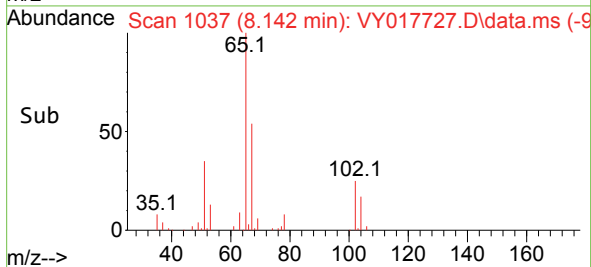
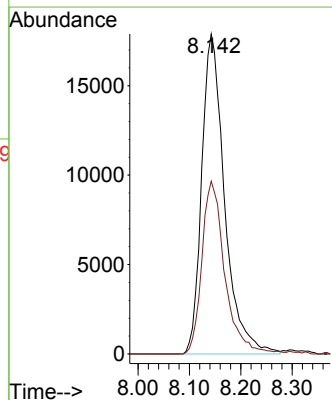
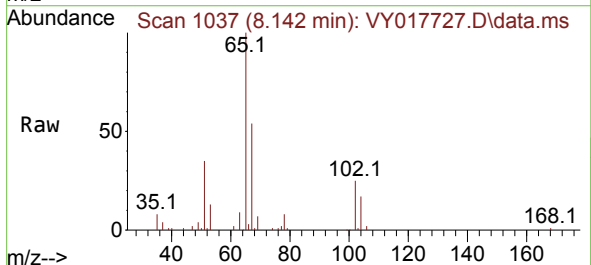
Instrument :
MSVOA_Y
ClientSampleId :

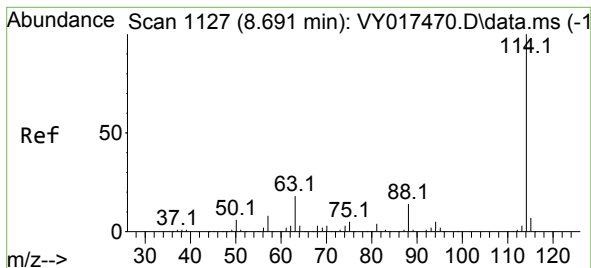
Tgt Ion: 56 Resp: 18144
Ion Ratio Lower Upper
56 100
69 52.2 28.7 43.1#
84 111.6 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 30.225 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

Tgt Ion: 65 Resp: 55283
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

Instrument :

MSVOA_Y

ClientSampleId :

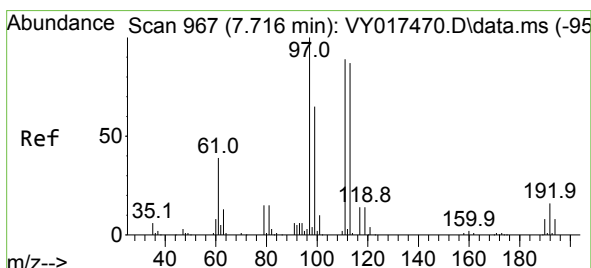
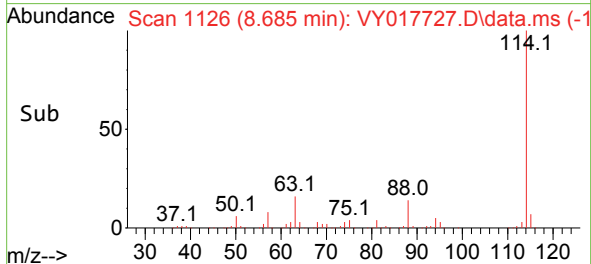
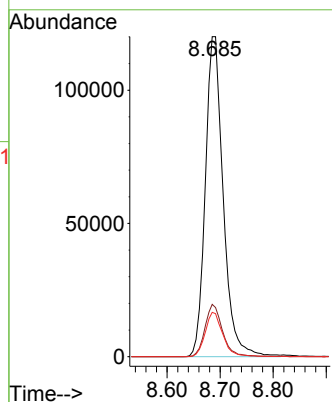
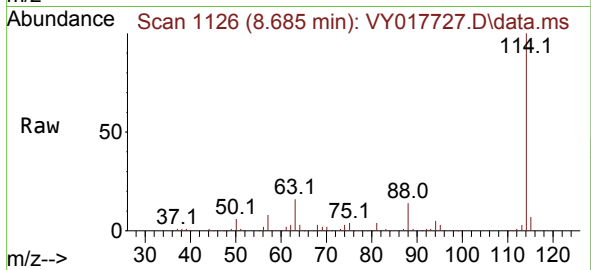
Tgt Ion:114 Resp: 281709

Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 30.636 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

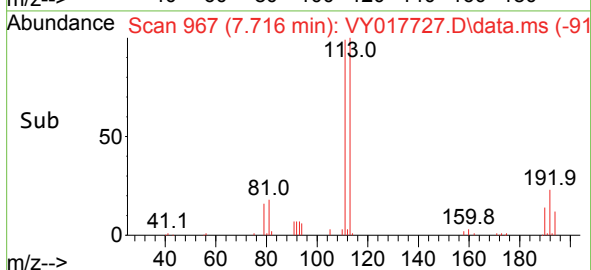
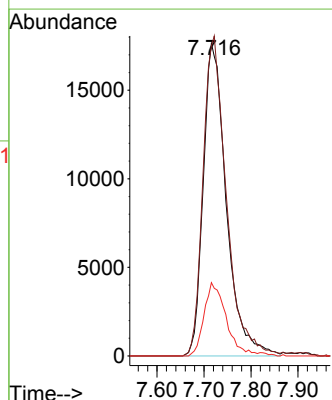
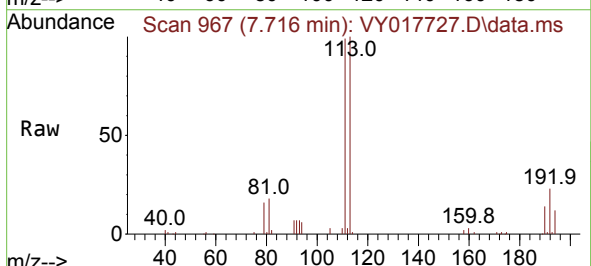
Tgt Ion:113 Resp: 60139

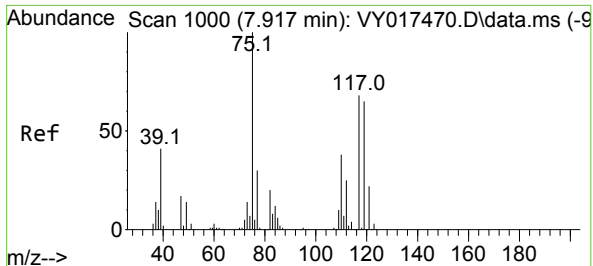
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 22.4 15.9 23.9

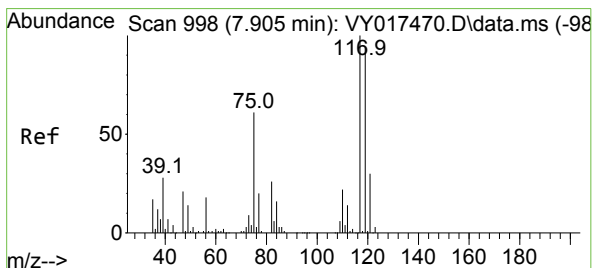
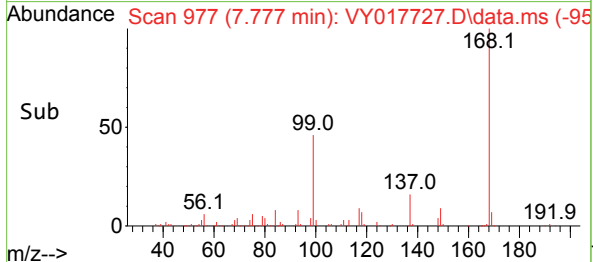
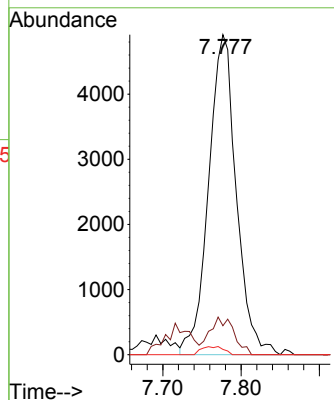
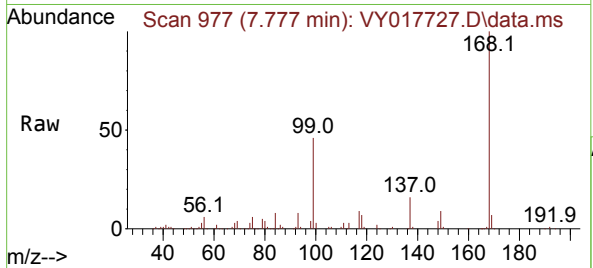




#36
1,1-Dichloropropene
Concen: 4.557 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.140 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

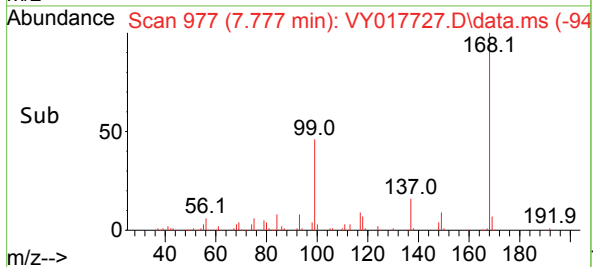
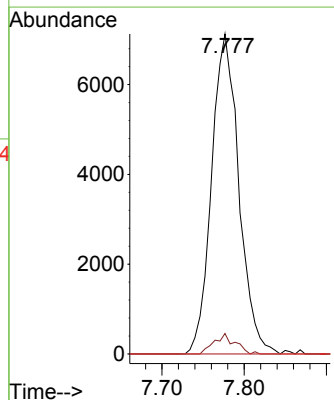
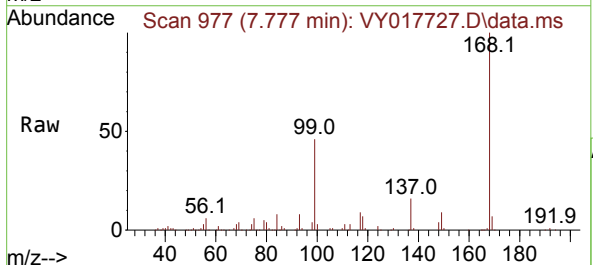
Instrument :
MSVOA_Y
ClientSampleId :

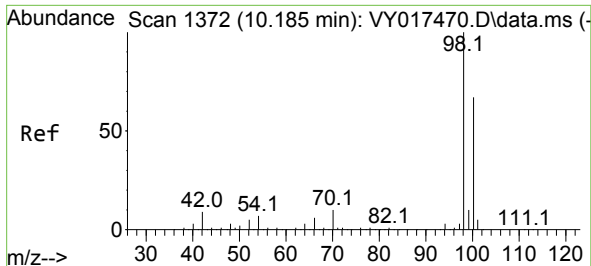
Tgt Ion: 75 Resp: 12070
Ion Ratio Lower Upper
75 100
110 10.3 19.0 57.0#
77 2.1 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.196 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

Tgt Ion: 117 Resp: 16448
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.0 36.0#

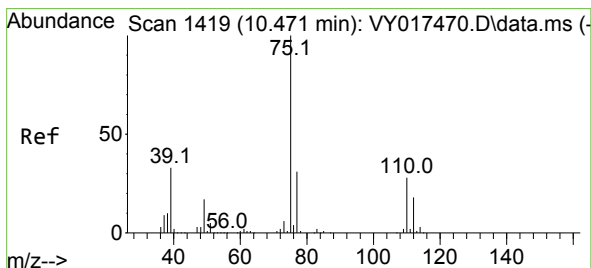
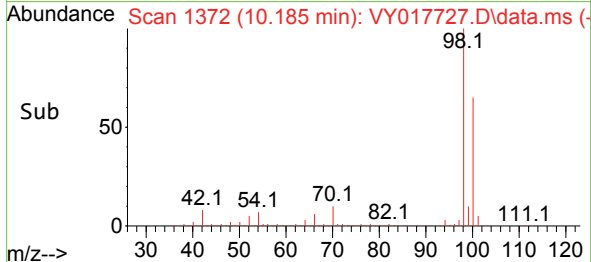
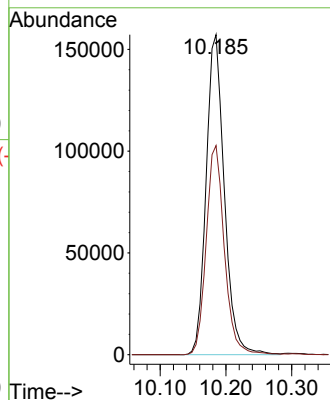
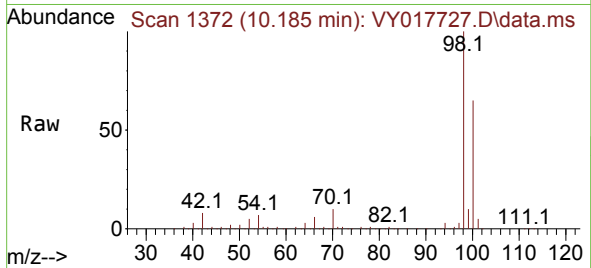




#50
Toluene-d8
Concen: 44.134 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

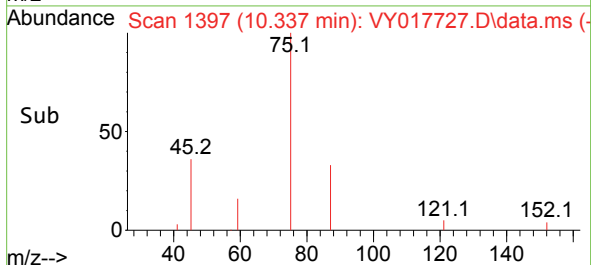
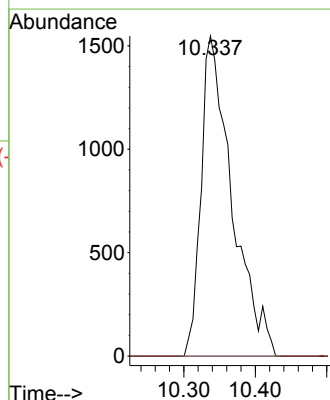
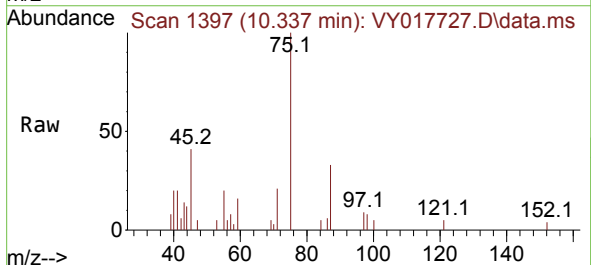
Instrument :
MSVOA_Y
ClientSampleId :

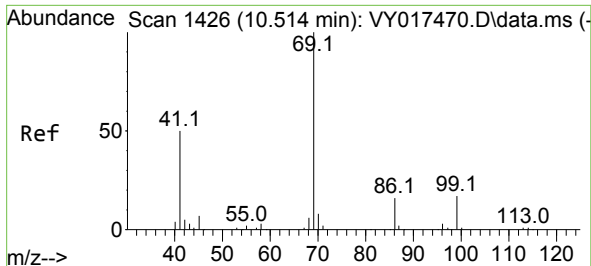
Tgt Ion: 98 Resp: 302915
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#53
t-1,3-Dichloropropene
Concen: 1.932 ug/l
RT: 10.337 min Scan# 1397
Delta R.T. -0.134 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

Tgt Ion: 75 Resp: 4664
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#

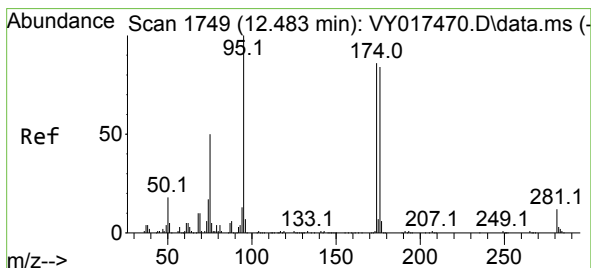
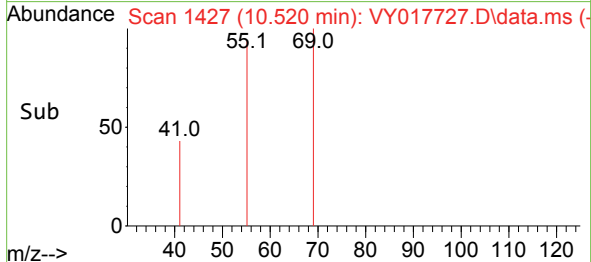
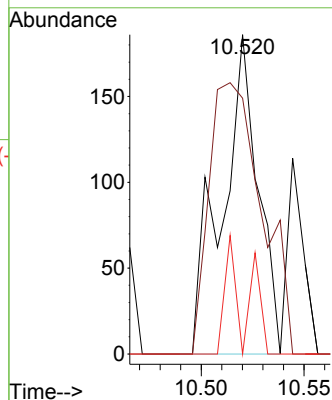
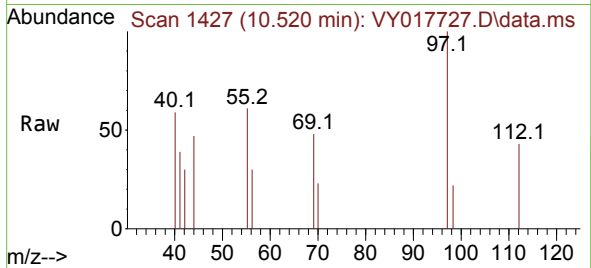




#56
Ethyl methacrylate
Concen: 2.653 ug/l
RT: 10.520 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

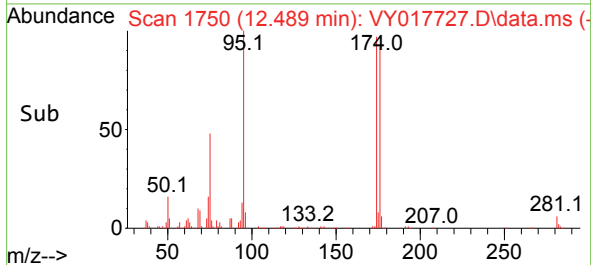
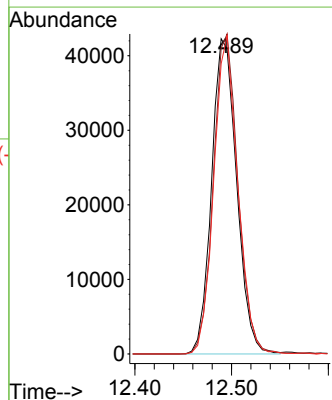
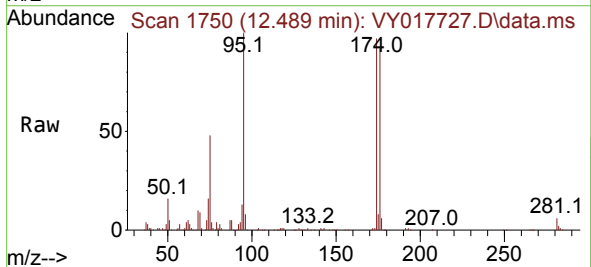
Instrument :
MSVOA_Y
ClientSampleId :

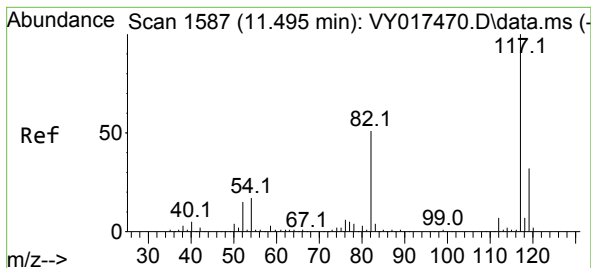
Tgt Ion: 69 Resp: 228
Ion Ratio Lower Upper
69 100
41 124.1 42.3 63.5#
39 20.6 22.9 34.3#



#62
4-Bromofluorobenzene
Concen: 35.298 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

Tgt Ion: 95 Resp: 76138
Ion Ratio Lower Upper
95 100
174 99.6 0.0 175.6
176 96.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

Instrument :

MSVOA_Y

ClientSampleId :

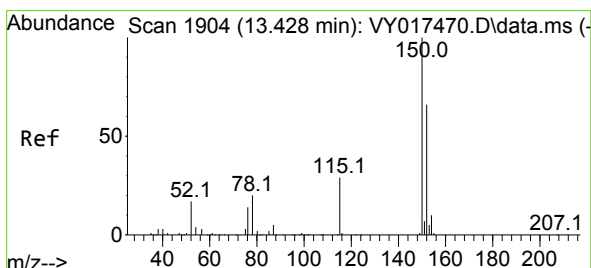
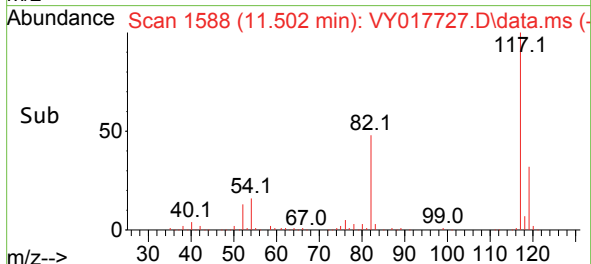
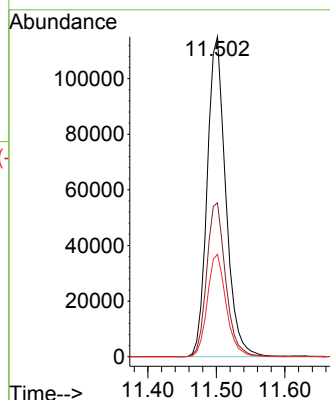
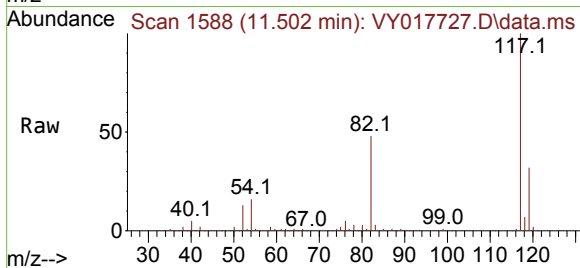
Tgt Ion:117 Resp: 217177

Ion Ratio Lower Upper

117 100

82 48.1 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

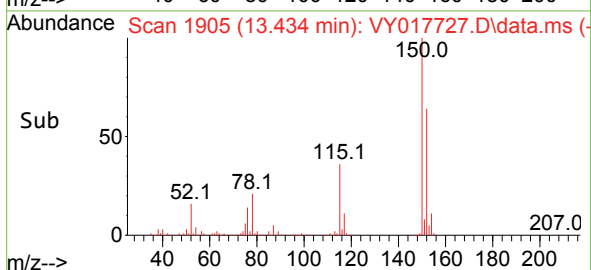
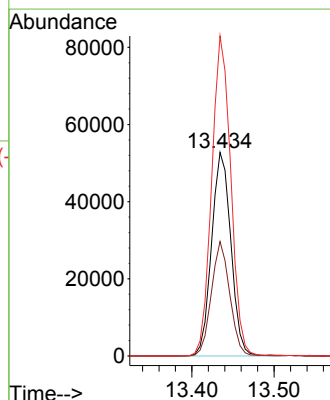
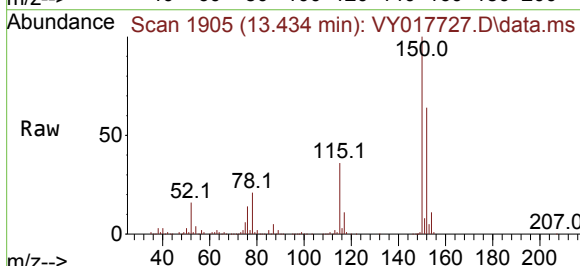
Tgt Ion:152 Resp: 86025

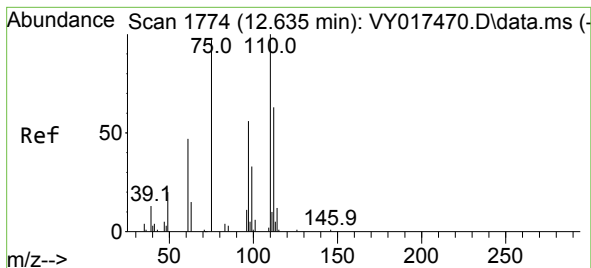
Ion Ratio Lower Upper

152 100

115 53.6 28.2 84.7

150 155.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 44.856 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

Instrument :

MSVOA_Y

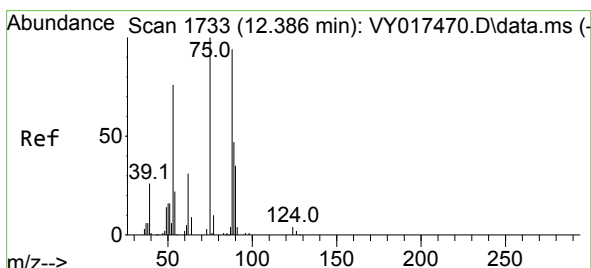
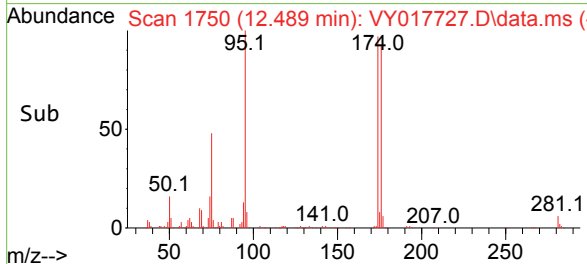
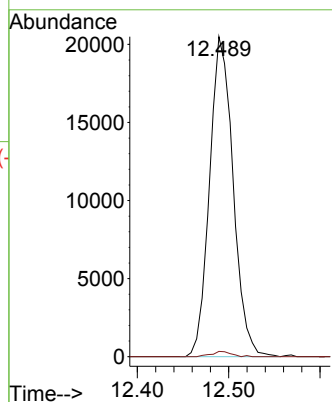
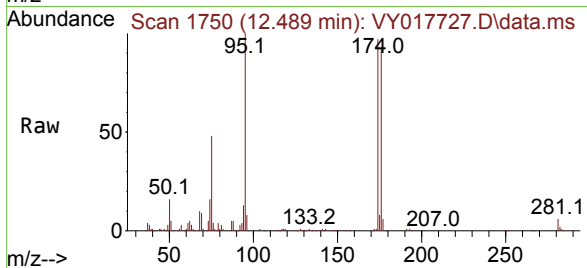
ClientSampleId :

Tgt Ion: 75 Resp: 36664

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.069 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017727.D

Acq: 20 Mar 2024 15:30

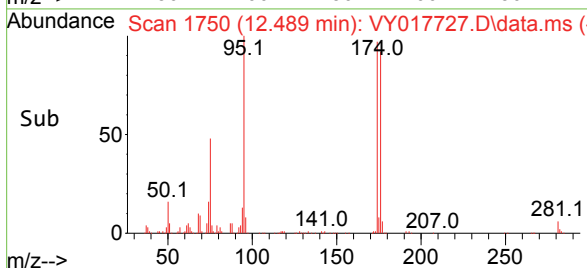
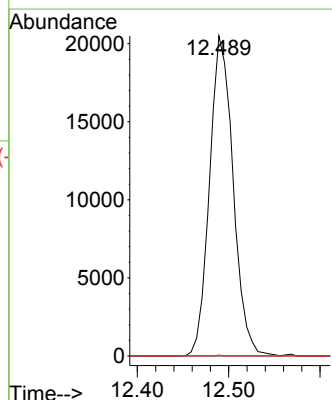
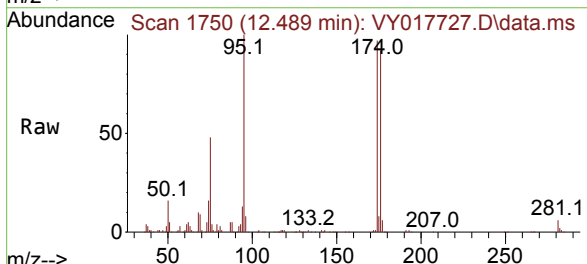
Tgt Ion: 75 Resp: 36664

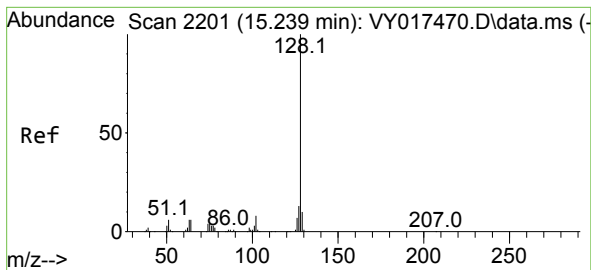
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

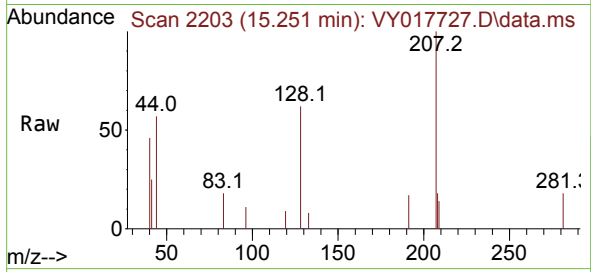
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 4.170 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY017727.D
Acq: 20 Mar 2024 15:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 746
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 3.2 8.6 13.0#

