

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030824\
 Data File : VY017622.D
 Acq On : 08 Mar 2024 15:58
 Operator : SY/MD
 Sample : P1720-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3471

Quant Time: Mar 08 22:24:31 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	7.783	168	21200	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	30776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	25389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9395	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9781	48.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.360%
35) Dibromofluoromethane	7.716	113	11201	52.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.460%
50) Toluene-d8	10.179	98	34149	45.543	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.483	95	10015	42.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.000%

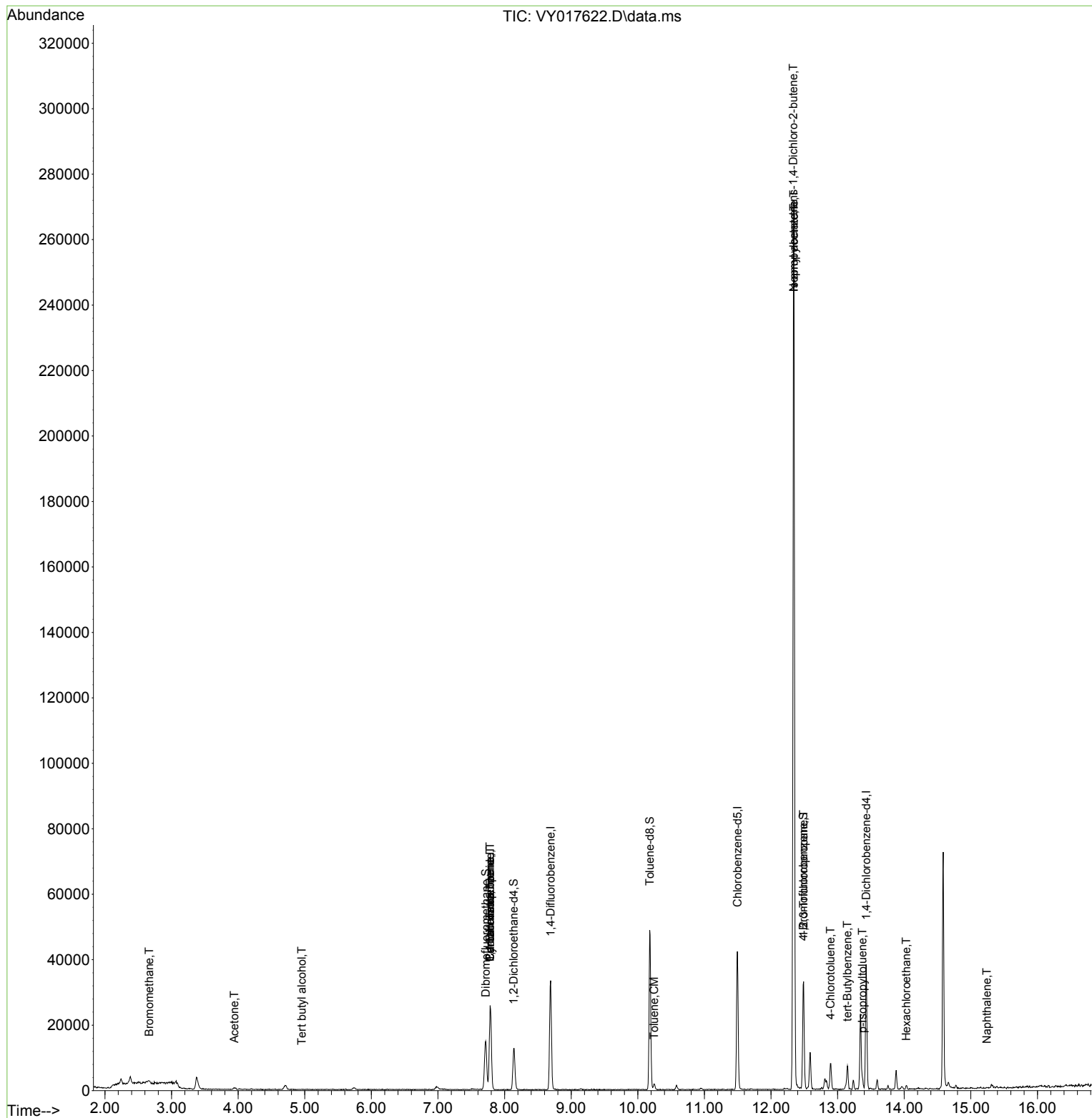
Target Compounds			Qvalue			
5) Bromomethane	2.662	94	398	1.332	ug/l #	55
11) Tert butyl alcohol	4.954	59	70	4.102	ug/l #	88
16) Acetone	3.942	43	839	21.529	ug/l	95
20) Methylene Chloride	4.710	84	1043	Below Cal		92
31) Cyclohexane	7.783	56	382	1.168	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	1586	5.481	ug/l #	41
38) Carbon Tetrachloride	7.783	117	1990	6.862	ug/l #	13
52) Toluene	10.246	92	786	1.451	ug/l	77
73) Isopropylbenzene	12.343	105	11505	16.483	ug/l #	71
74) N-amyl acetate	12.343	43	4503	36.578	ug/l #	8
76) 1,2,3-Trichloropropane	12.489	75	5004	56.057	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.337	75	386	9.936	ug/l #	1
82) 4-Chlorotoluene	12.891	91	1391	2.900	ug/l #	39
83) tert-Butylbenzene	13.148	119	542	1.104	ug/l #	1
86) p-Isopropyltoluene	13.373	119	2602	4.234	ug/l #	75
90) Hexachloroethane	14.031	117	435	3.531	ug/l #	12
95) Naphthalene	15.239	128	212	4.579	ug/l #	69

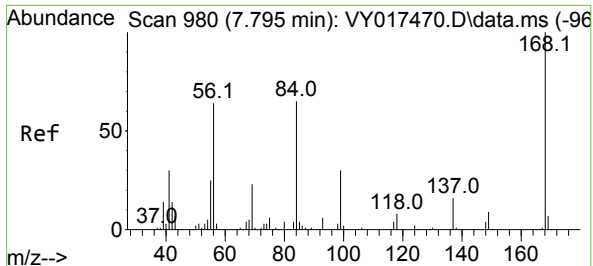
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

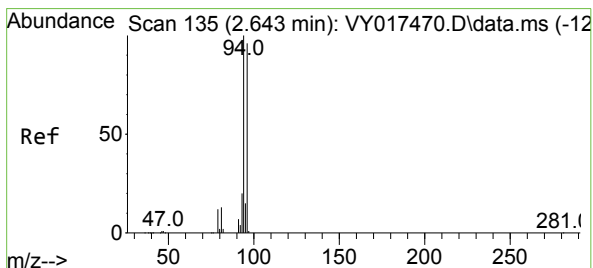
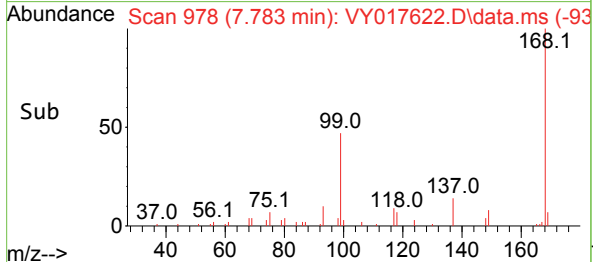
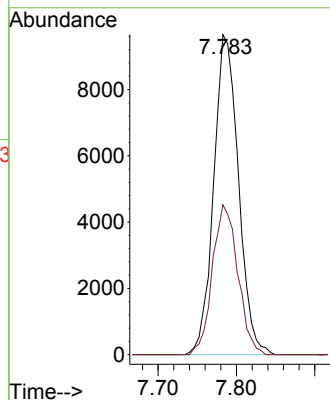
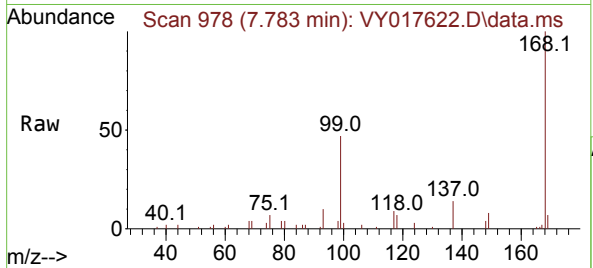




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

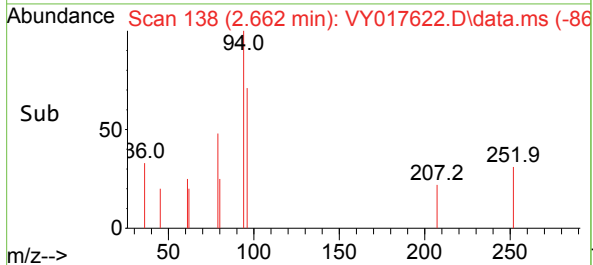
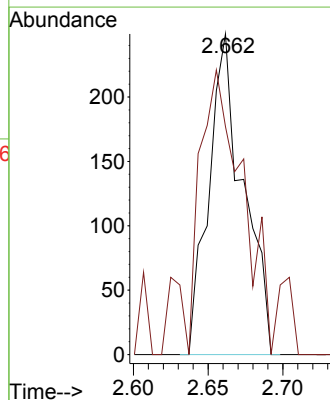
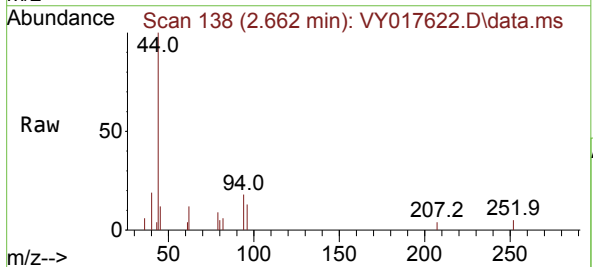
Instrument :
MSVOA_Y
ClientSampleId :
RT3471

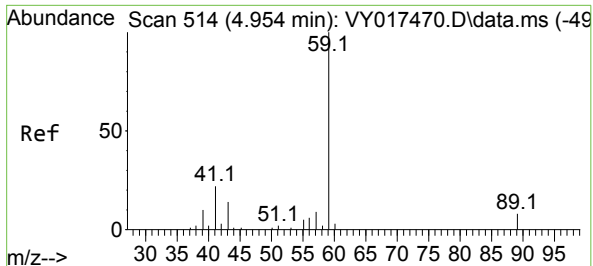
Tgt Ion:168 Resp: 21200
Ion Ratio Lower Upper
168 100
99 46.8 39.1 58.7



#5
Bromomethane
Concen: 1.332 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

Tgt Ion: 94 Resp: 398
Ion Ratio Lower Upper
94 100
96 49.4 74.1 111.1#





#11

Tert butyl alcohol

Concen: 4.102 ug/l

RT: 4.954 min Scan# 514

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

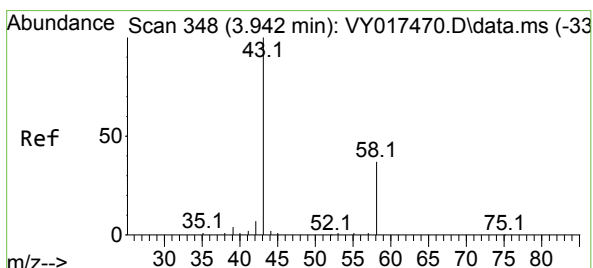
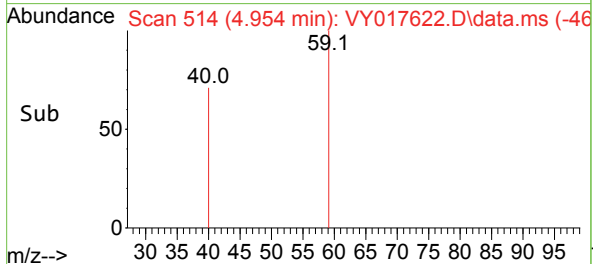
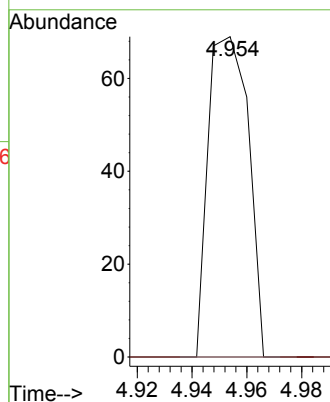
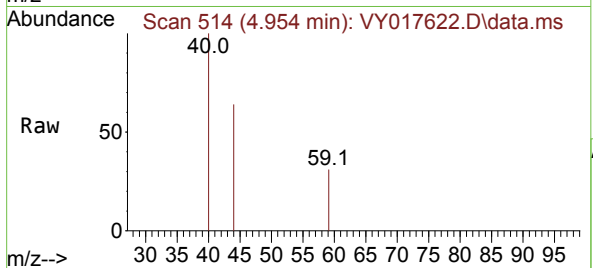
RT3471

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 21.529 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY017622.D

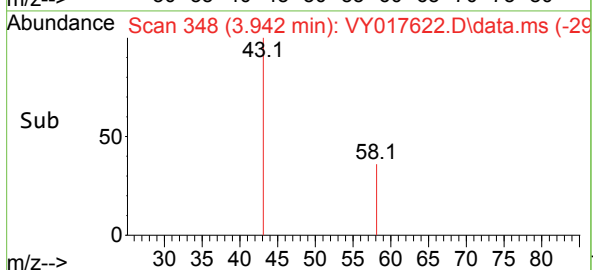
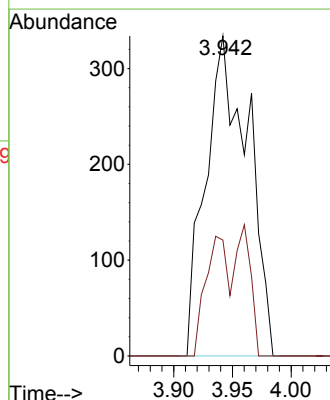
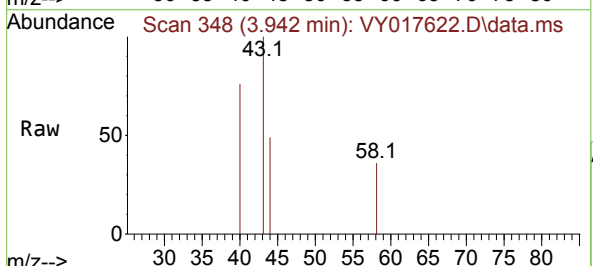
Acq: 08 Mar 2024 15:58

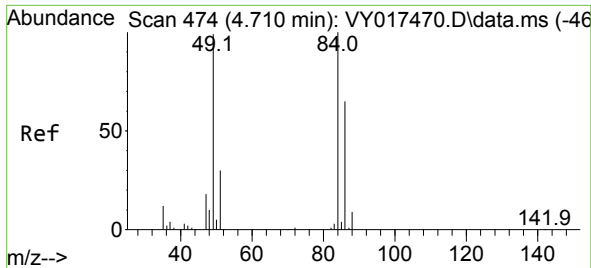
Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

43 100

58 36.2 31.7 47.5

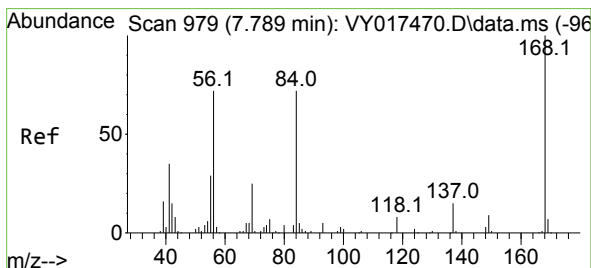
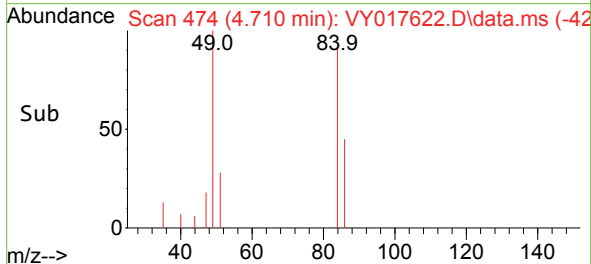
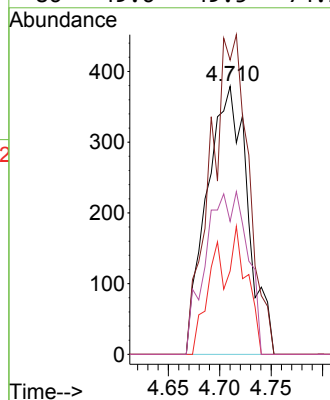
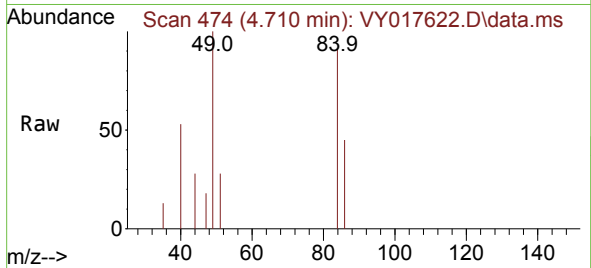




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

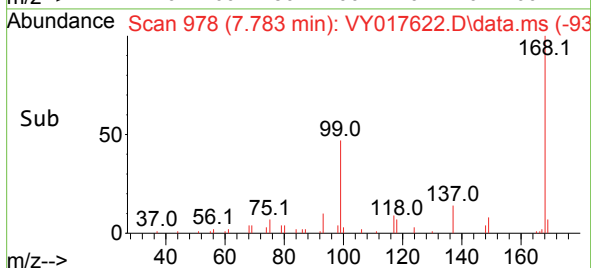
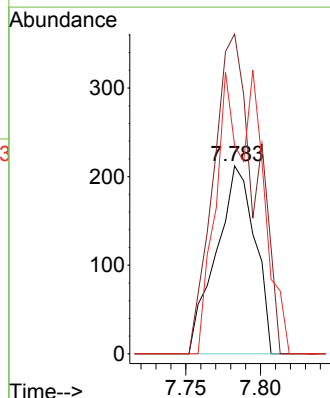
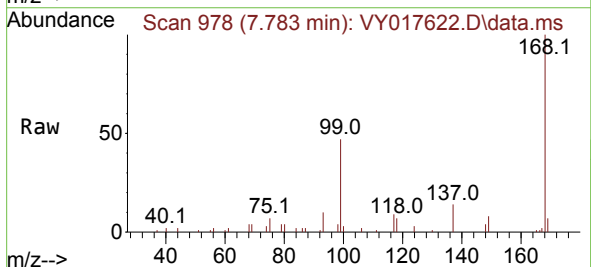
Instrument :
MSVOA_Y
ClientSampleId :
RT3471

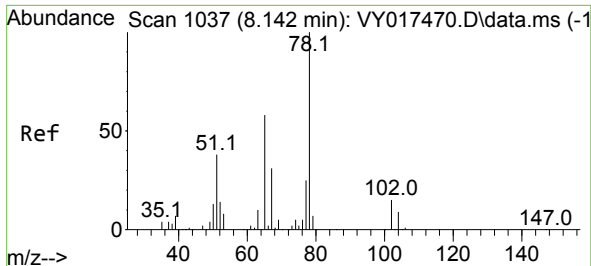
Tgt Ion:	84	Resp:	1043
Ion	Ratio	Lower	Upper
84	100		
49	109.8	84.4	126.6
51	31.1	26.0	39.0
86	49.6	49.5	74.3



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

Tgt Ion:	56	Resp:	382
Ion	Ratio	Lower	Upper
56	100		
69	170.3	28.7	43.1#
84	110.8	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 48.681 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

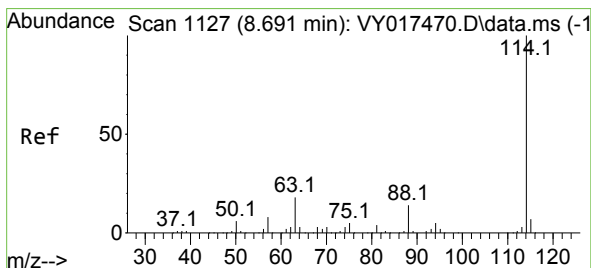
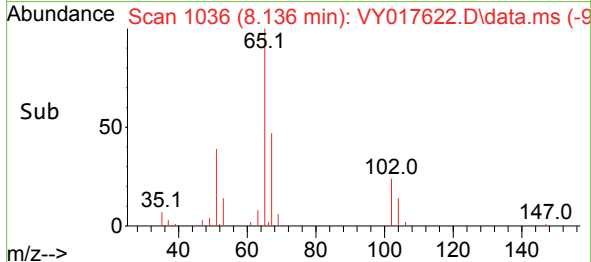
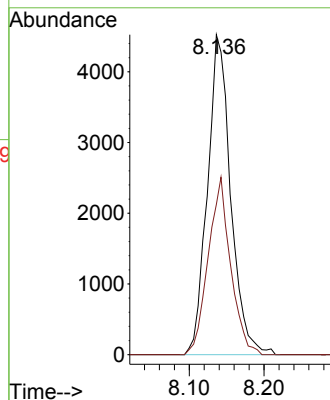
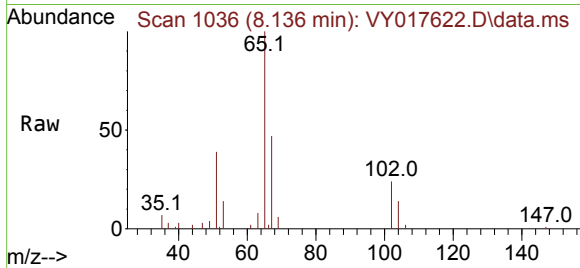
RT3471

Tgt Ion: 65 Resp: 9781

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

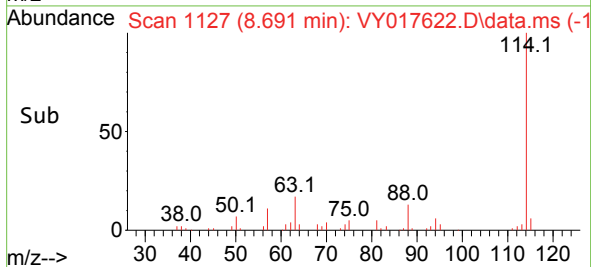
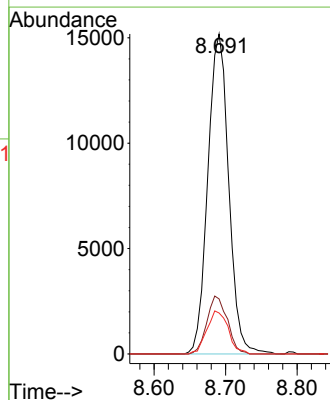
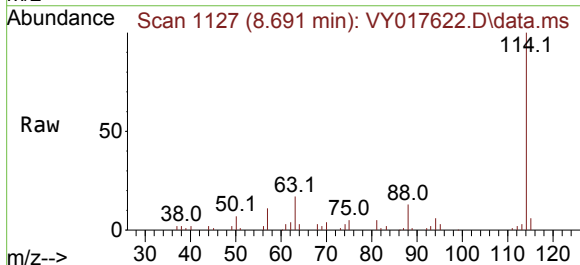
Tgt Ion: 114 Resp: 30776

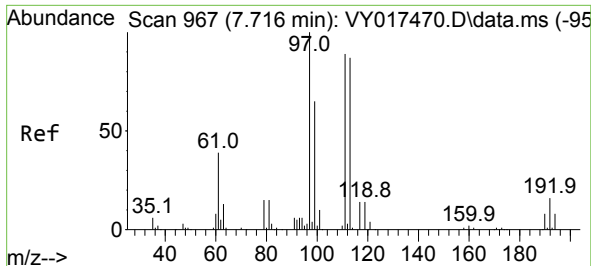
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 12.8 0.0 27.2

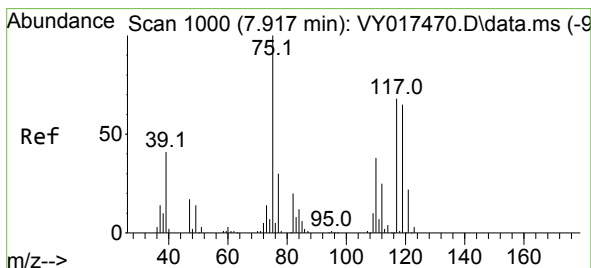
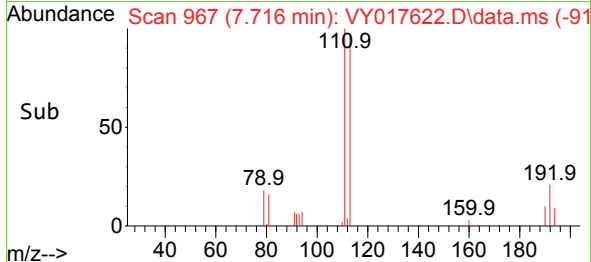
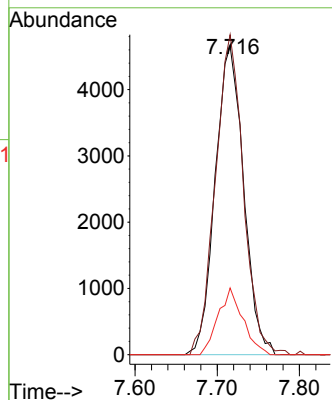
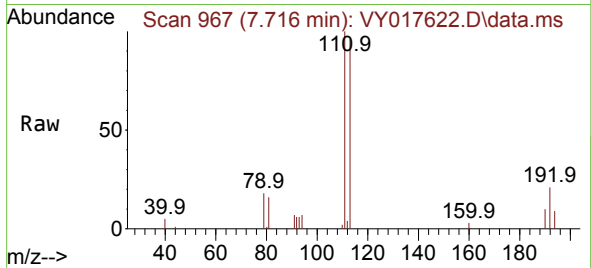




#35
Dibromofluoromethane
Concen: 52.230 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

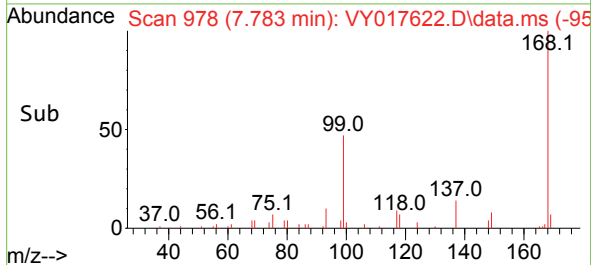
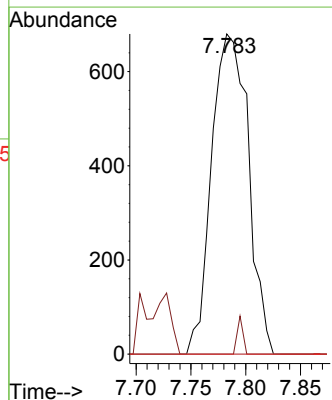
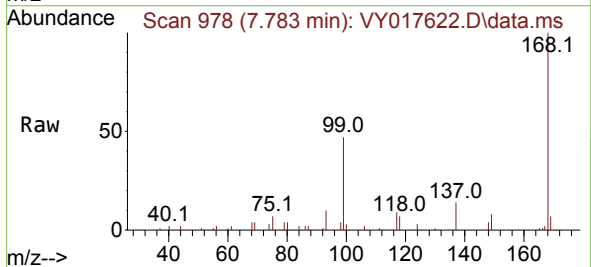
Instrument :
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RT3471

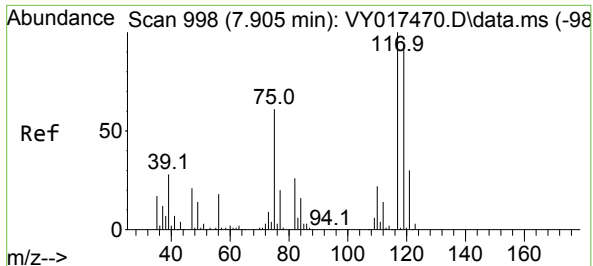
Tgt Ion:113 Resp: 11201
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.481 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

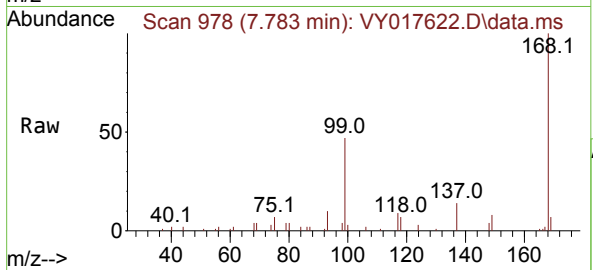
Tgt Ion: 75 Resp: 1586
Ion Ratio Lower Upper
75 100
110 1.9 19.0 57.0#
77 0.0 25.3 37.9#



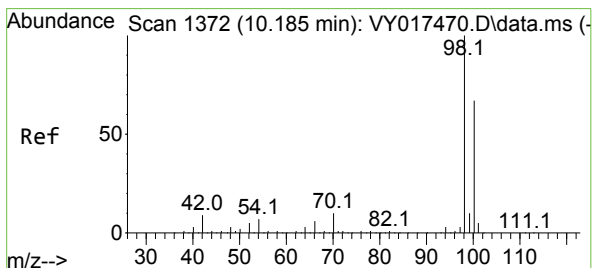
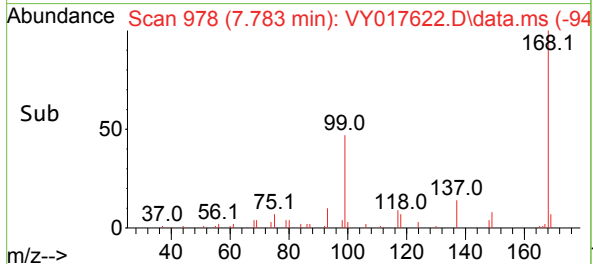
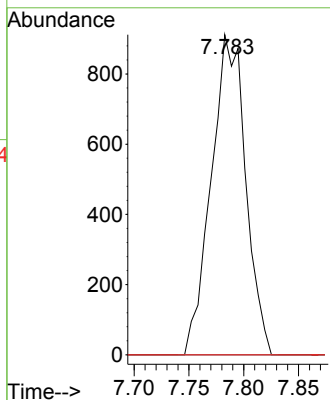


#38
Carbon Tetrachloride
Concen: 6.862 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

Instrument :
MSVOA_Y
ClientSampleId :
RT3471

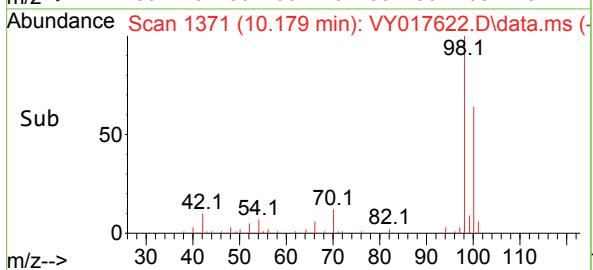
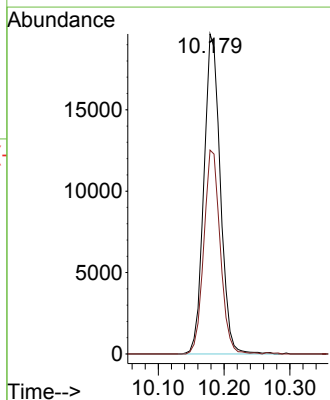
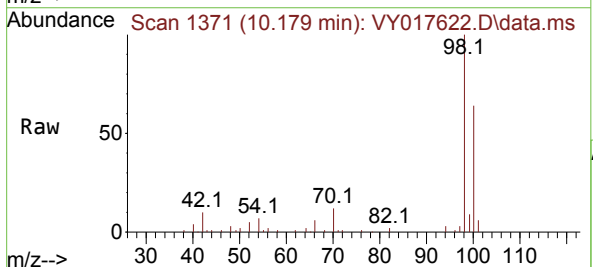


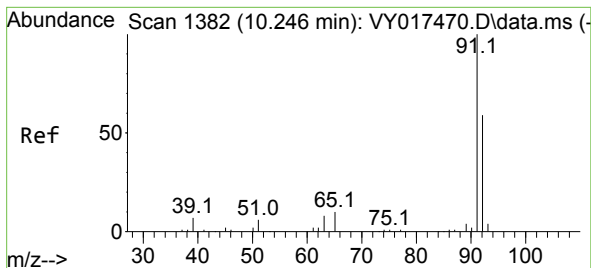
Tgt Ion:117 Resp: 1990
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.543 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017622.D
Acq: 08 Mar 2024 15:58

Tgt Ion: 98 Resp: 34149
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0





#52

Toluene

Concen: 1.451 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

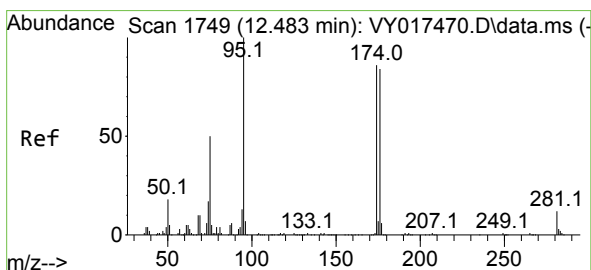
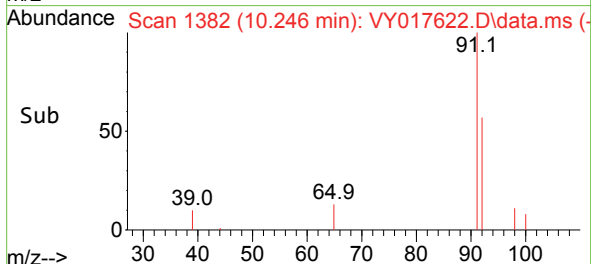
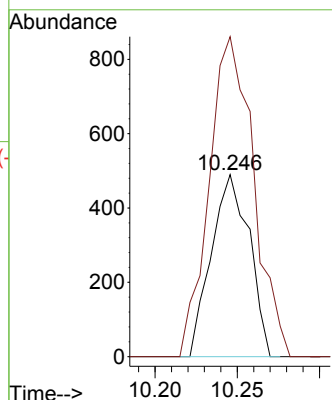
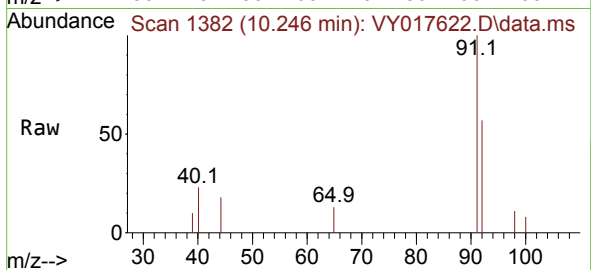
RT3471

Tgt Ion: 92 Resp: 786

Ion Ratio Lower Upper

92 100

91 205.6 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 42.500 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

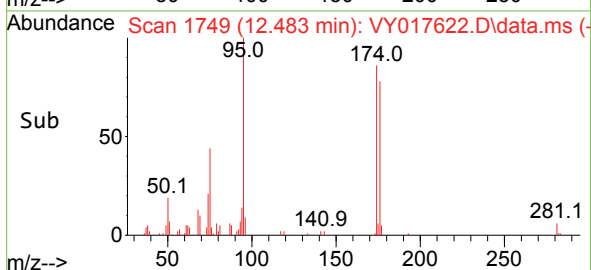
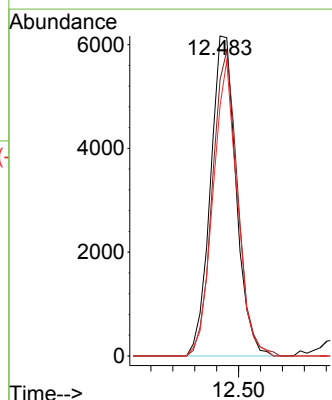
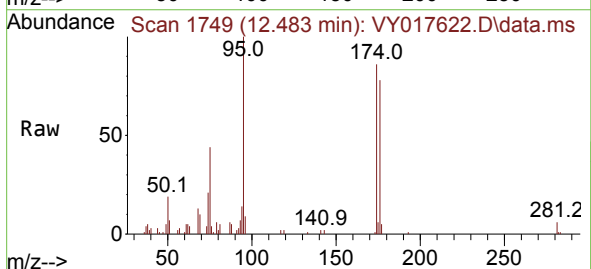
Tgt Ion: 95 Resp: 10015

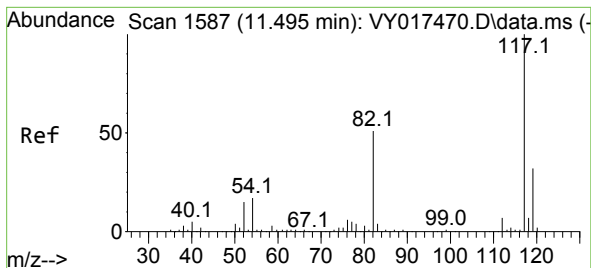
Ion Ratio Lower Upper

95 100

174 94.1 0.0 175.6

176 87.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

RT3471

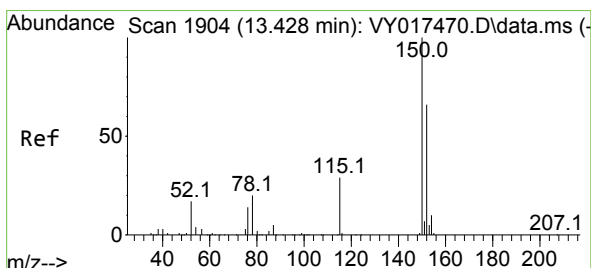
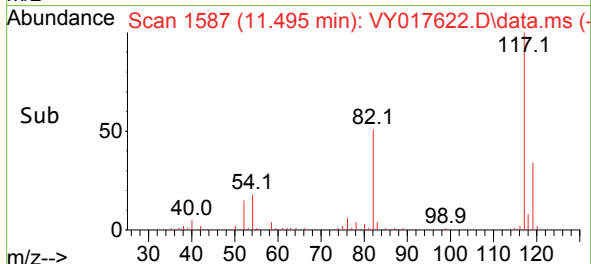
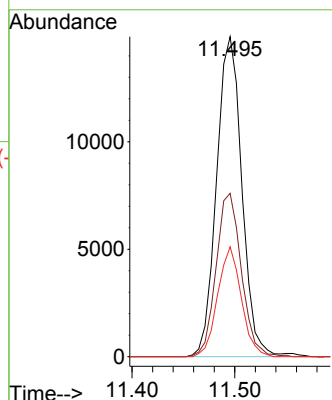
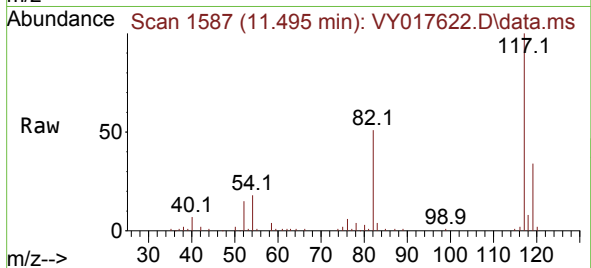
Tgt Ion:117 Resp: 25389

Ion Ratio Lower Upper

117 100

82 51.0 42.4 63.6

119 34.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

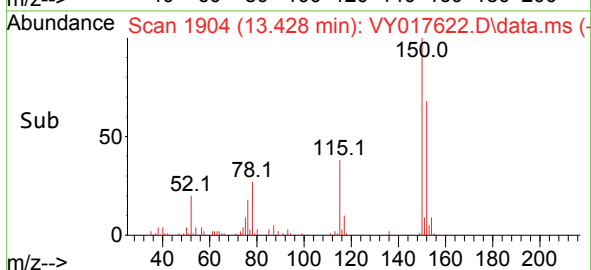
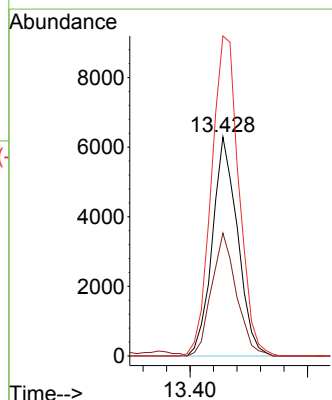
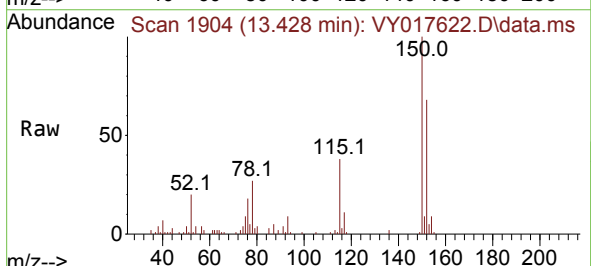
Tgt Ion:152 Resp: 9395

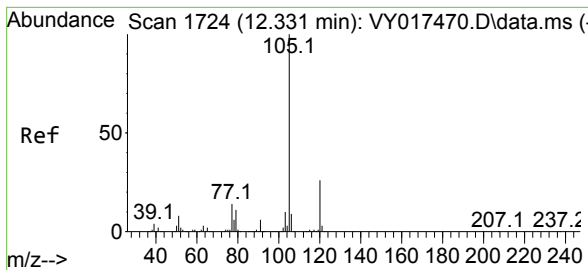
Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 159.0 0.0 345.6





#73

Isopropylbenzene

Concen: 16.483 ug/l

RT: 12.343 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

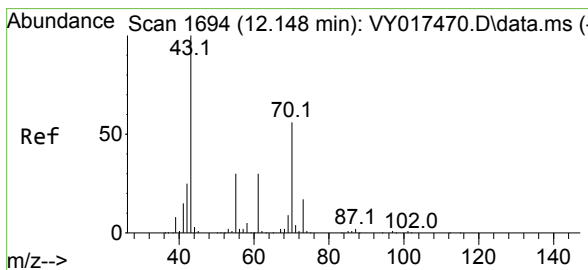
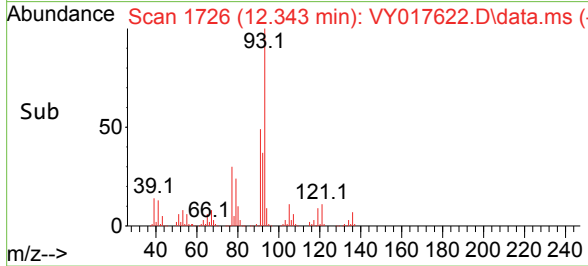
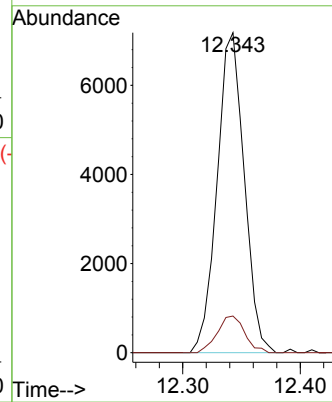
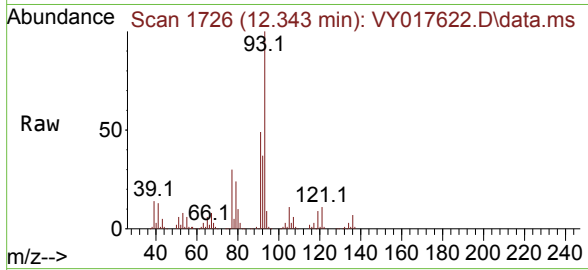
RT3471

Tgt Ion:105 Resp: 11505

Ion Ratio Lower Upper

105 100

120 11.7 13.4 40.1#



#74

N-ethyl acetate

Concen: 36.578 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.195 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Tgt Ion: 43 Resp: 4503

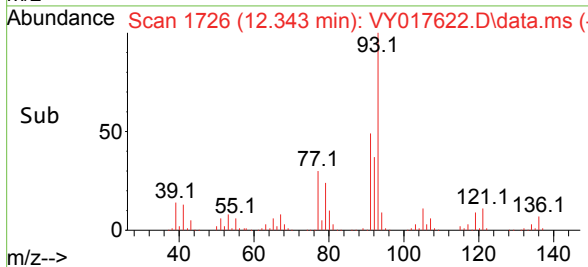
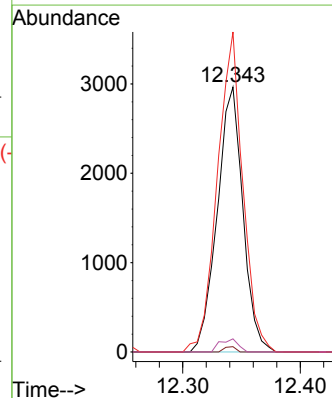
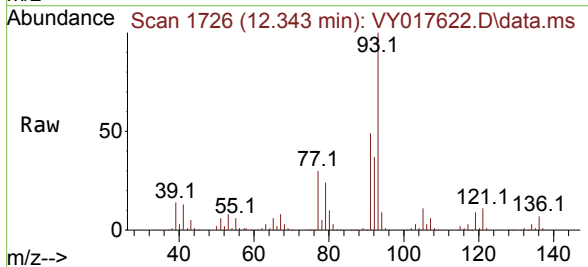
Ion Ratio Lower Upper

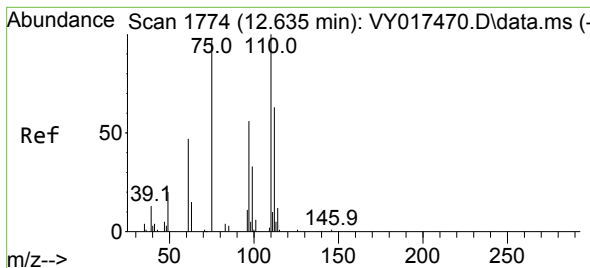
43 100

70 0.9 41.4 62.2#

55 119.7 23.3 34.9#

61 3.5 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 56.057 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

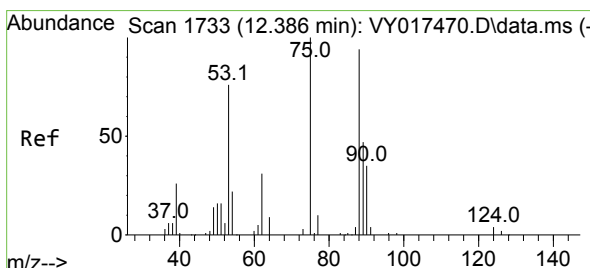
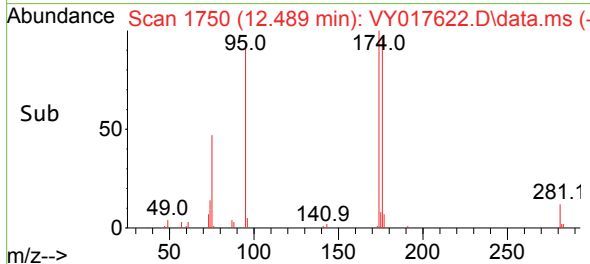
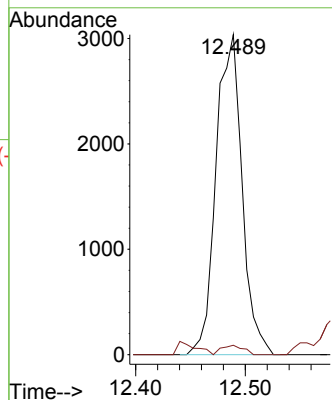
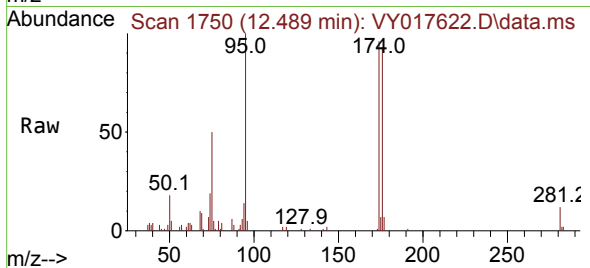
RT3471

Tgt Ion: 75 Resp: 5004

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 9.936 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.049 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

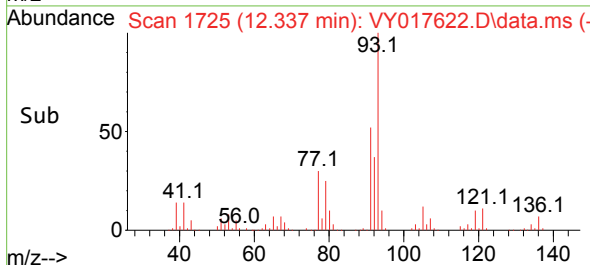
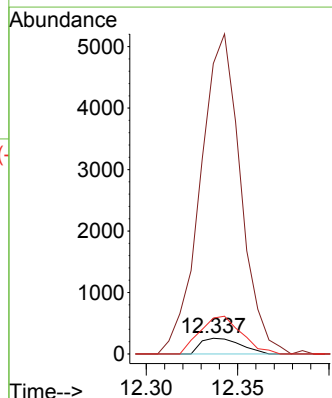
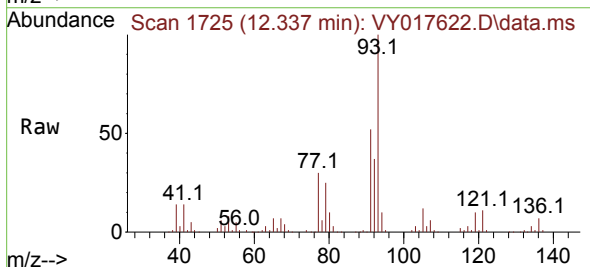
Tgt Ion: 75 Resp: 386

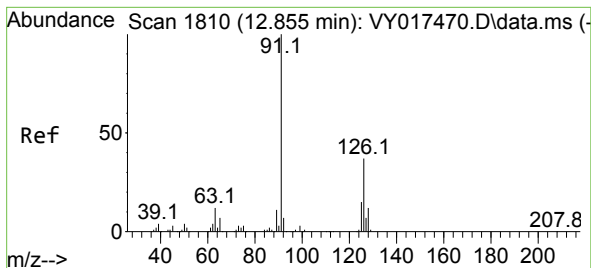
Ion Ratio Lower Upper

75 100

53 2077.2 66.8 100.2#

89 252.8 35.8 53.6#





#82

4-Chlorotoluene

Concen: 2.900 ug/l

RT: 12.891 min Scan# 11

Delta R.T. 0.036 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

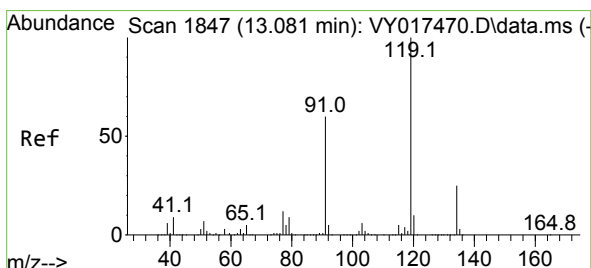
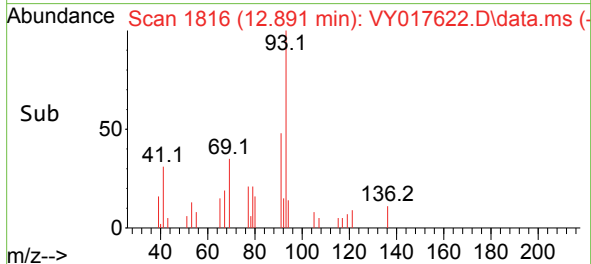
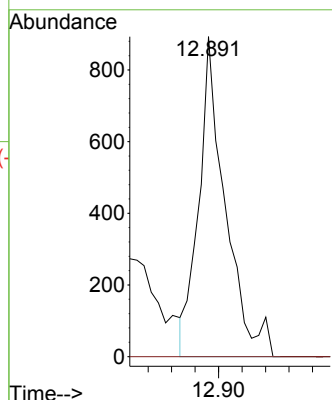
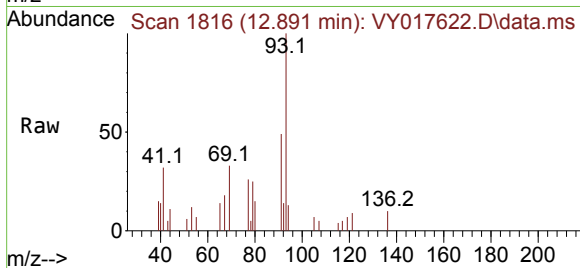
RT3471

Tgt Ion: 91 Resp: 1391

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



#83

tert-Butylbenzene

Concen: 1.104 ug/l

RT: 13.148 min Scan# 1858

Delta R.T. 0.067 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

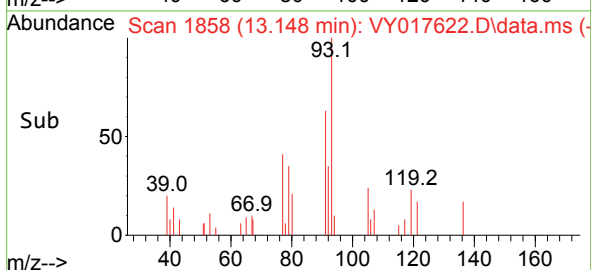
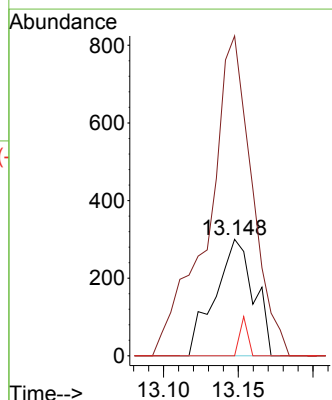
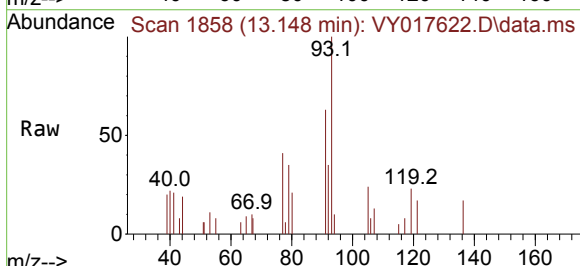
Tgt Ion: 119 Resp: 542

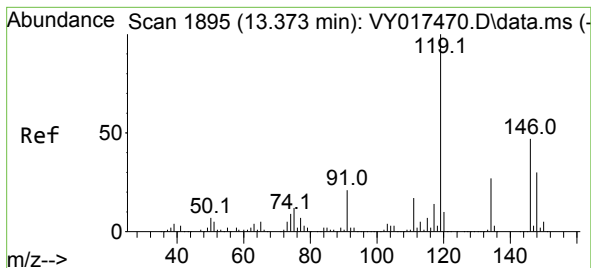
Ion Ratio Lower Upper

119 100

91 311.1 31.3 93.8#

134 6.8 13.4 40.1#





#86

p-Isopropyltoluene

Concen: 4.234 ug/l

RT: 13.373 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY017622.D

Acq: 08 Mar 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

RT3471

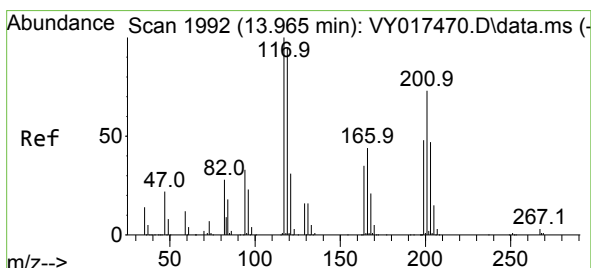
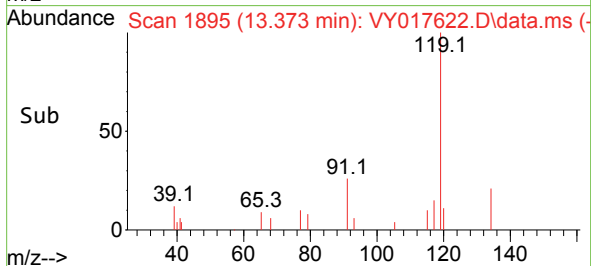
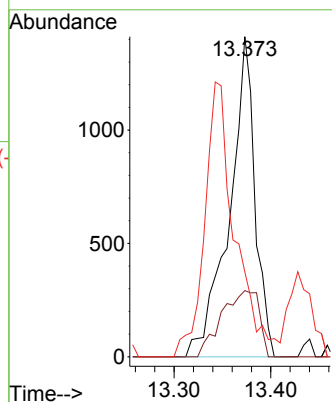
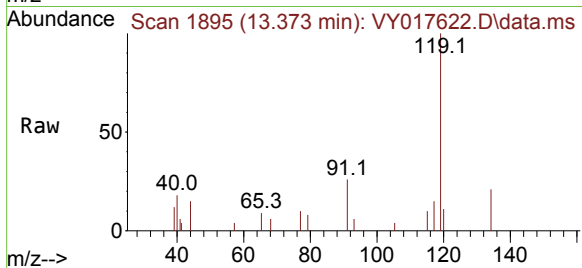
Tgt Ion:119 Resp: 2602

Ion Ratio Lower Upper

119 100

134 30.2 13.1 39.3

91 0.0 10.7 32.1#



#90

Hexachloroethane

Concen: 3.531 ug/l

RT: 14.031 min Scan# 2003

Delta R.T. 0.067 min

Lab File: VY017622.D

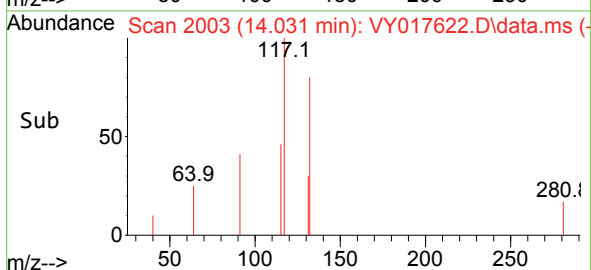
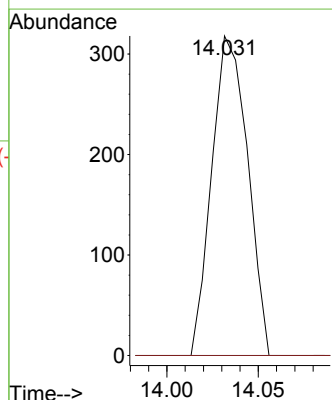
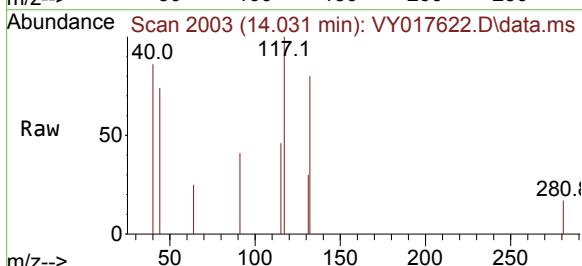
Acq: 08 Mar 2024 15:58

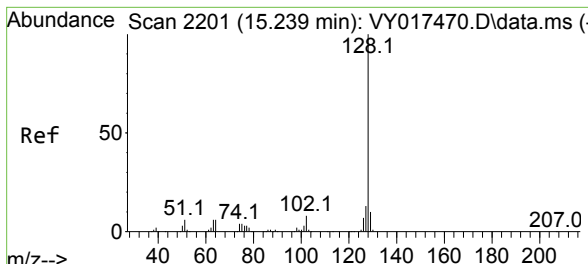
Tgt Ion:117 Resp: 435

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#





#95
 Naphthalene
 Concen: 4.579 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017622.D
 Acq: 08 Mar 2024 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3471

Tgt Ion:	128	Resp:	212
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

