

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017270.D
 Acq On : 06 Feb 2024 17:23
 Operator : SY/MD
 Sample : P1358-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT24449

Quant Time: Feb 07 00:10:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

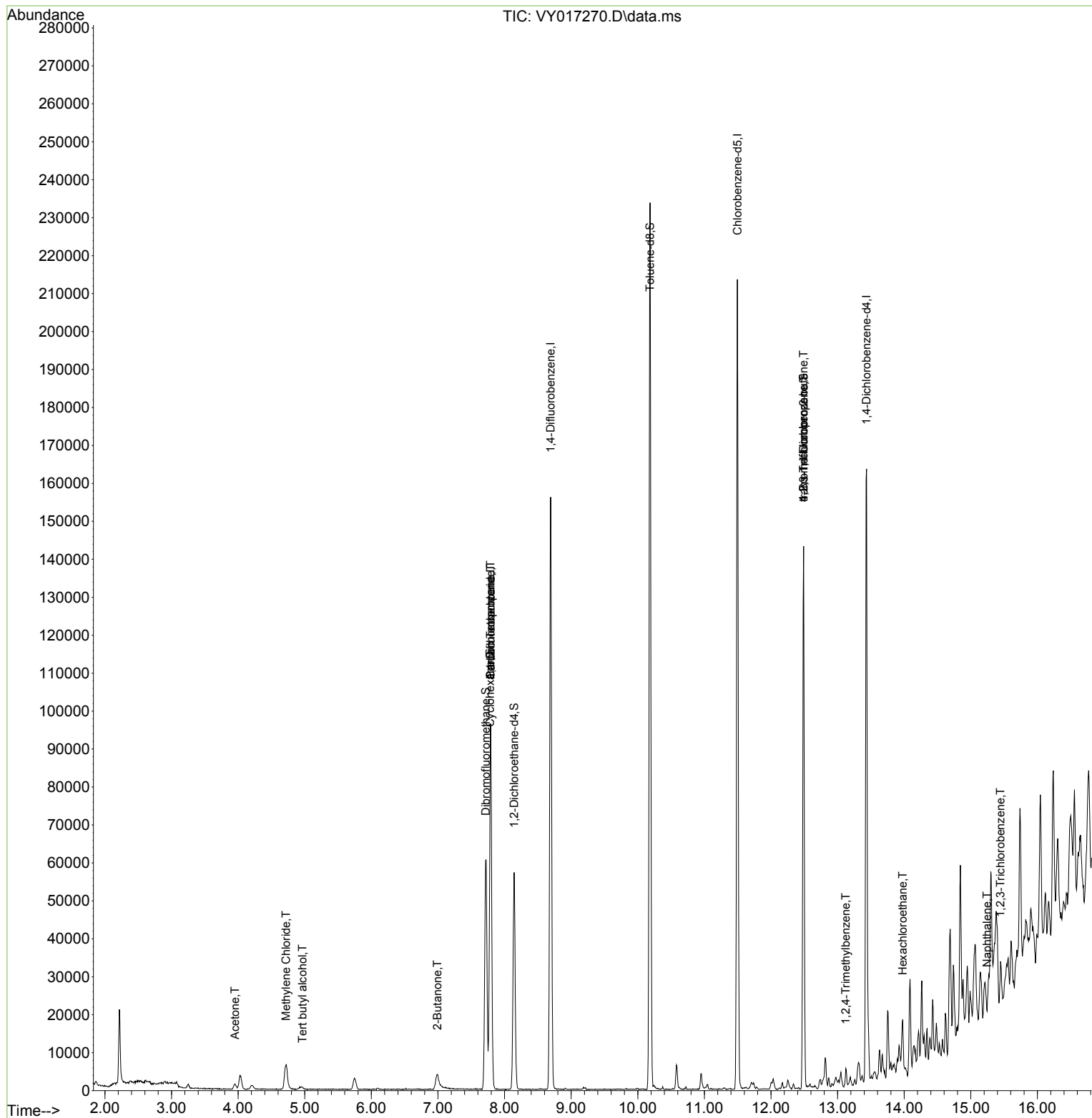
Internal Standards						
1) Pentafluorobenzene	7.789	168	71545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	114748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	41419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	42226	66.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.140%			
35) Dibromofluoromethane	7.716	113	43408	60.298	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.600%			
50) Toluene-d8	10.185	98	154064	58.780	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.560%			
62) 4-Bromofluorobenzene	12.489	95	42153	49.095	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	1064	3.519	ug/l #	75
16) Acetone	3.954	43	2626	13.979	ug/l	99
20) Methylene Chloride	4.716	84	5177	3.469	ug/l	97
25) 2-Butanone	6.990	43	429	1.718	ug/l #	48
31) Cyclohexane	7.783	56	1749	1.358	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5915	4.763	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7251	6.099	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	22061	57.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	22061	119.908	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	2675	1.120	ug/l	99
90) Hexachloroethane	13.977	117	619	1.164	ug/l #	17
95) Naphthalene	15.245	128	715	4.032	ug/l #	65
96) 1,2,3-Trichlorobenzene	15.446	180	777	1.605	ug/l #	18

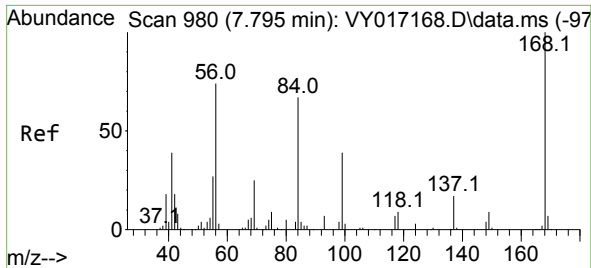
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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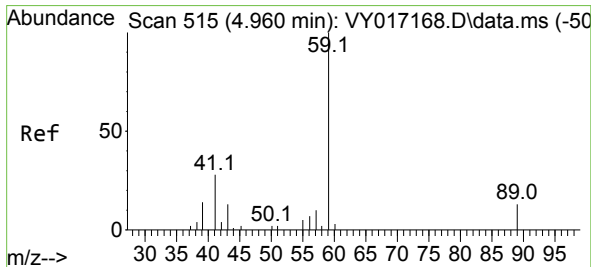
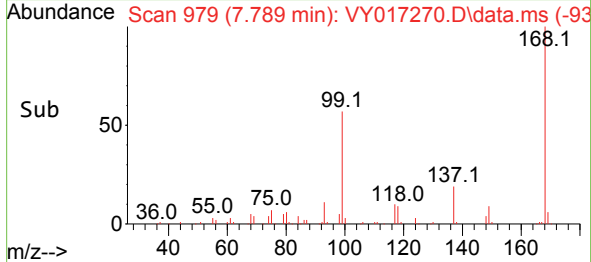
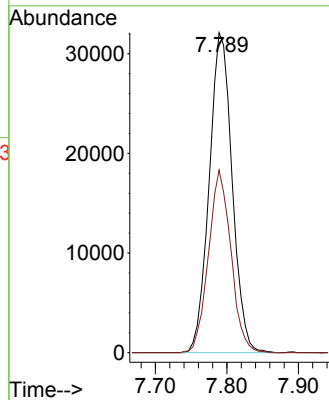
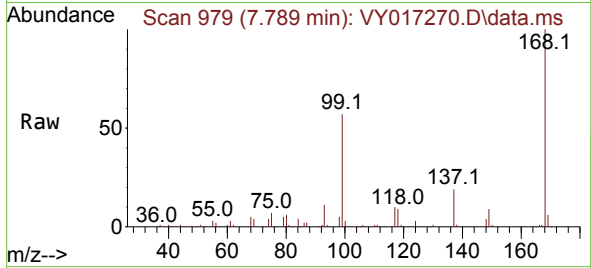




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

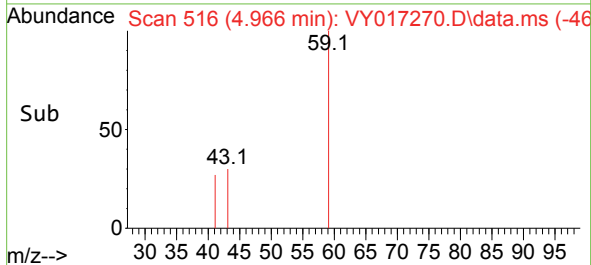
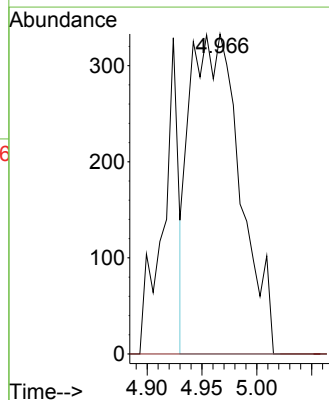
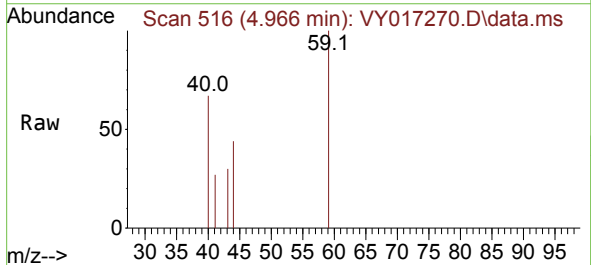
Instrument :
MSVOA_Y
ClientSampleId :
CHRT24449

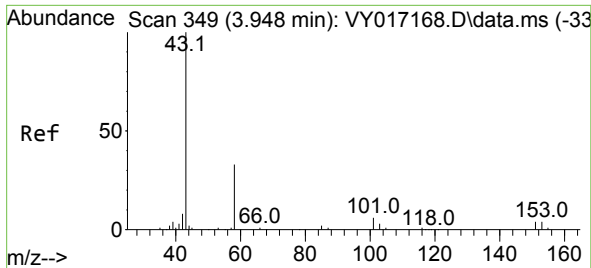
Tgt Ion:168 Resp: 71545
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.519 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion: 59 Resp: 1064
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

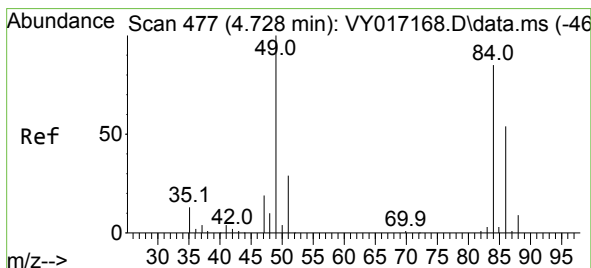
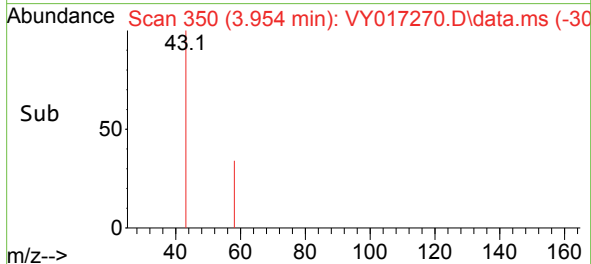
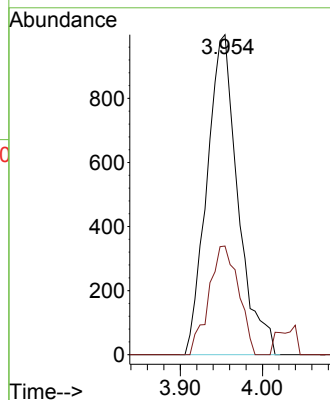
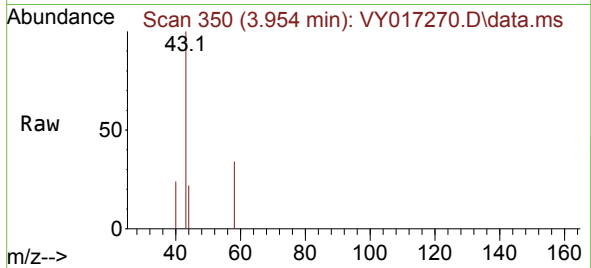




#16
Acetone
Concen: 13.979 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

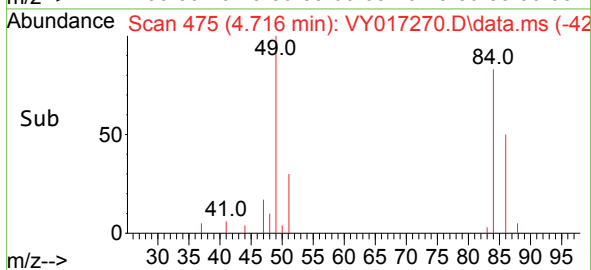
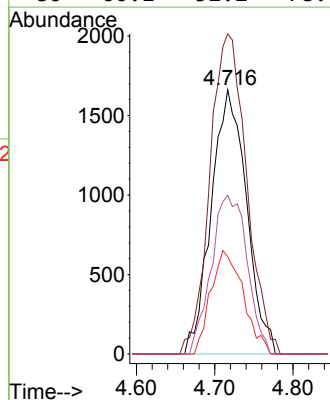
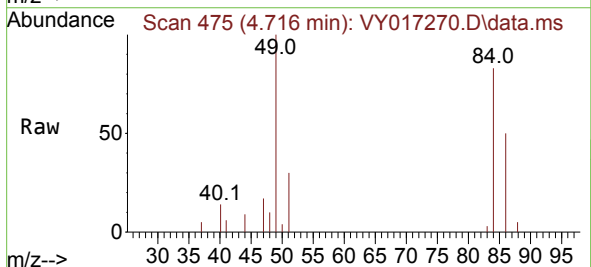
Instrument :
MSVOA_Y
ClientSampleId :
CHRT24449

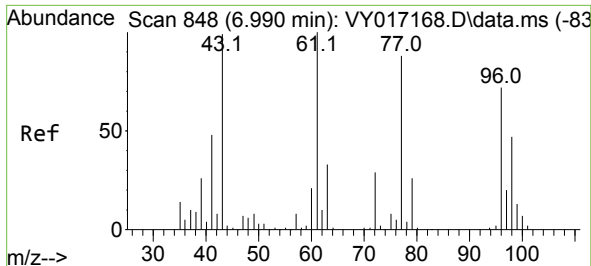
Tgt Ion: 43 Resp: 2626
Ion Ratio Lower Upper
43 100
58 33.9 26.6 39.8



#20
Methylene Chloride
Concen: 3.469 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion: 84 Resp: 5177
Ion Ratio Lower Upper
84 100
49 121.1 95.2 142.8
51 36.8 29.9 44.9
86 60.1 52.2 78.4





#25

2-Butanone

Concen: 1.718 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY017270.D

Acq: 06 Feb 2024 17:23

Instrument :

MSVOA_Y

ClientSampleId :

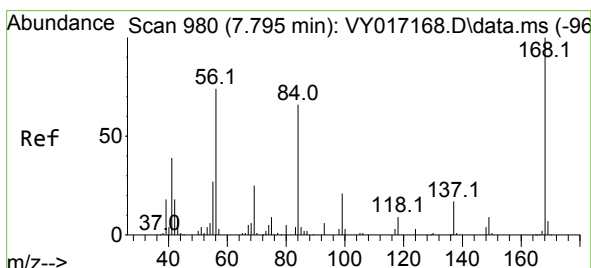
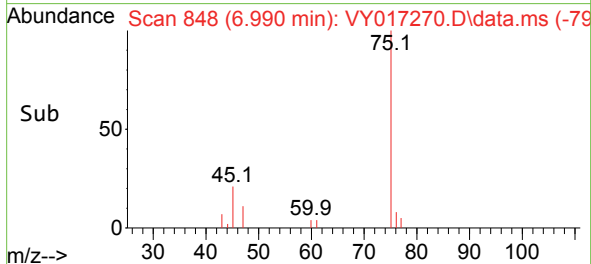
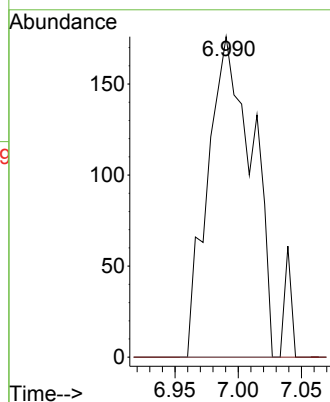
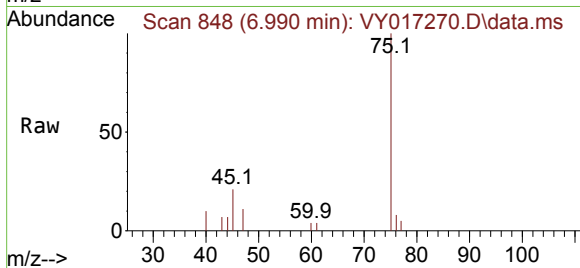
CHRT24449

Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.012 min

Lab File: VY017270.D

Acq: 06 Feb 2024 17:23

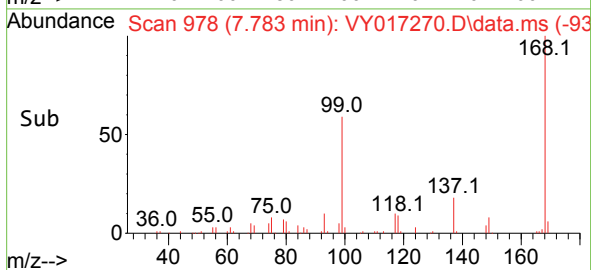
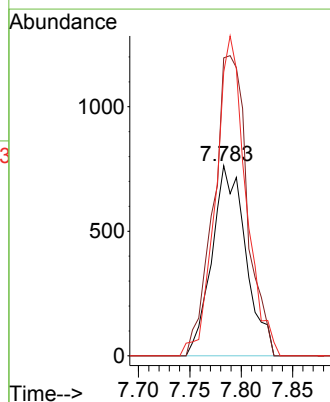
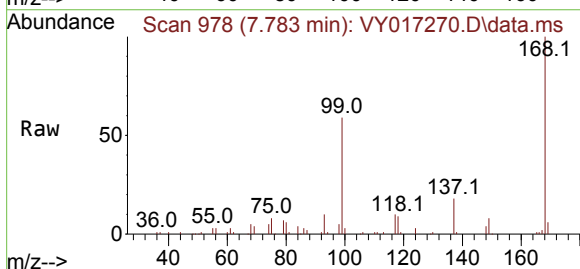
Tgt Ion: 56 Resp: 1749

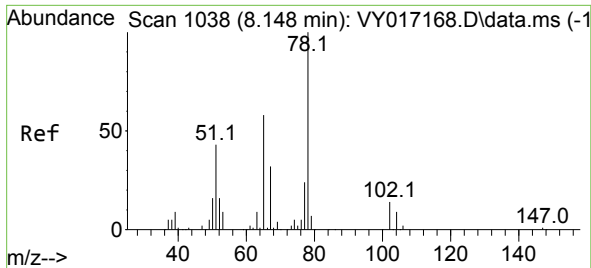
Ion Ratio Lower Upper

56 100

69 156.7 27.0 40.6#

84 149.3 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 66.067 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY017270.D

Acq: 06 Feb 2024 17:23

Instrument :

MSVOA_Y

ClientSampleId :

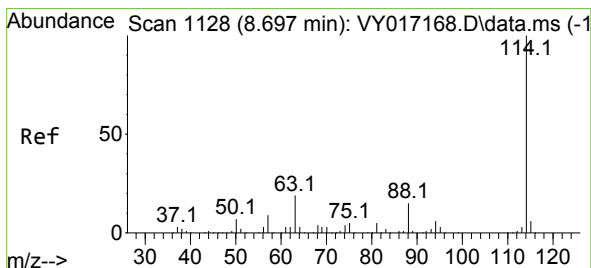
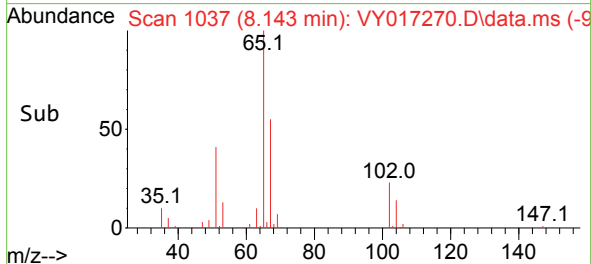
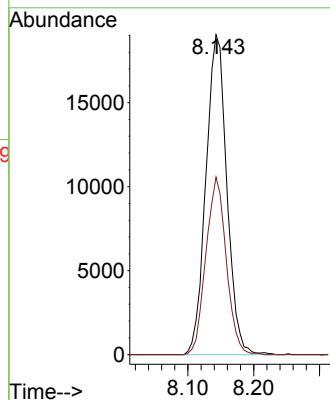
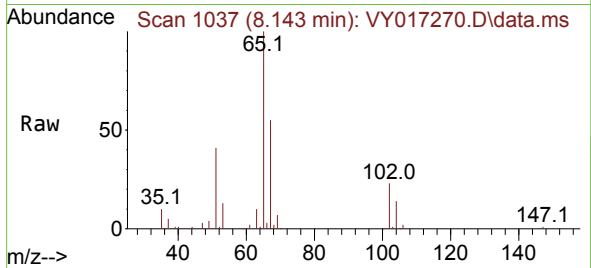
CHRT24449

Tgt Ion: 65 Resp: 42226

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017270.D

Acq: 06 Feb 2024 17:23

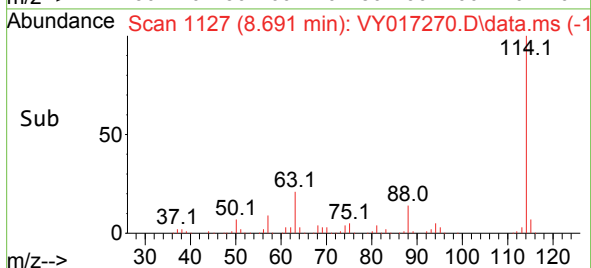
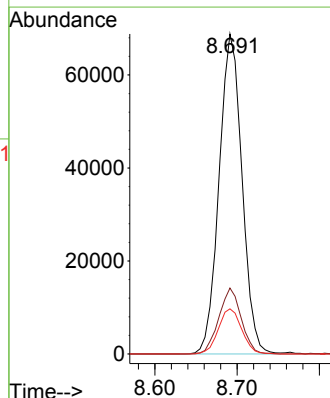
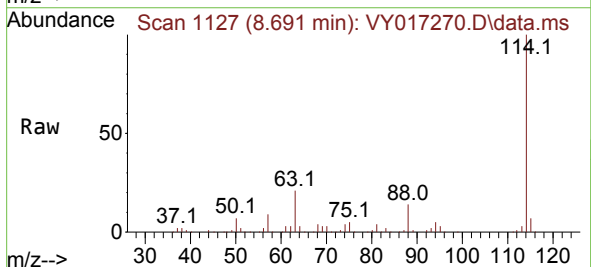
Tgt Ion:114 Resp: 133328

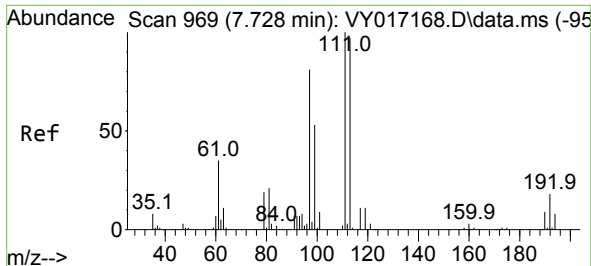
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 14.1 0.0 29.0

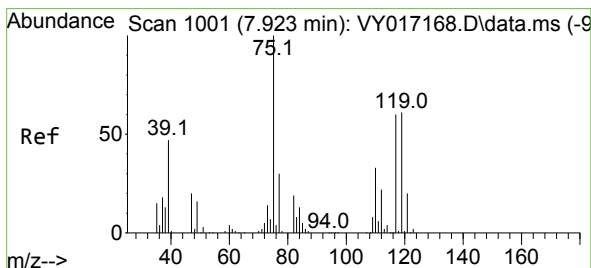
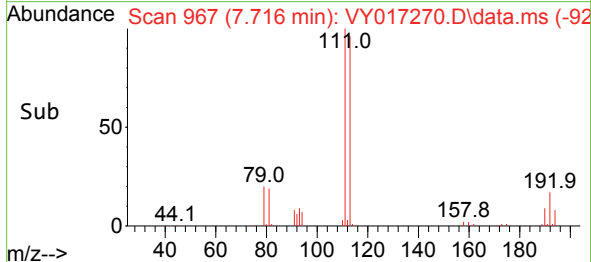
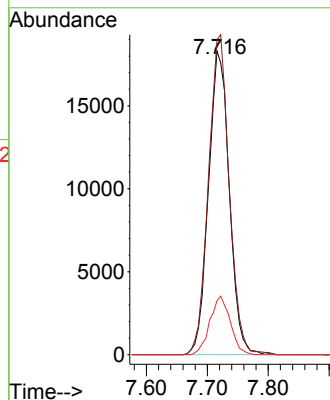
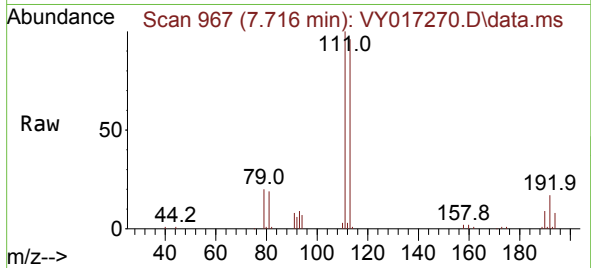




#35
Dibromofluoromethane
Concen: 60.298 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

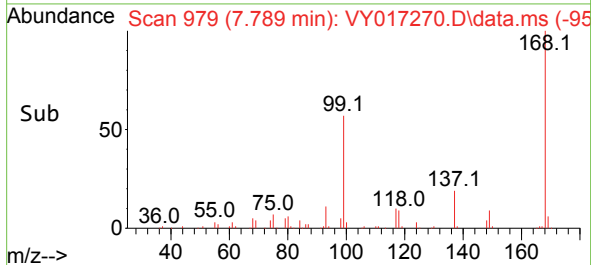
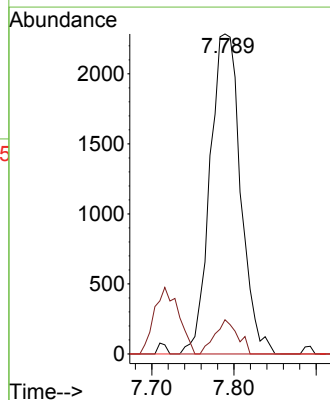
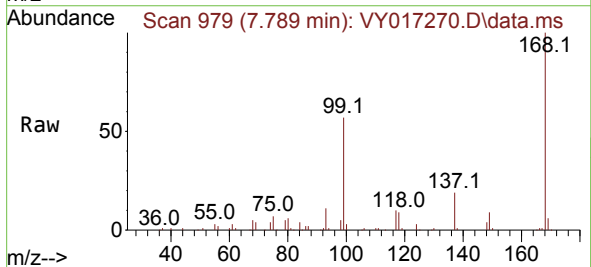
Instrument :
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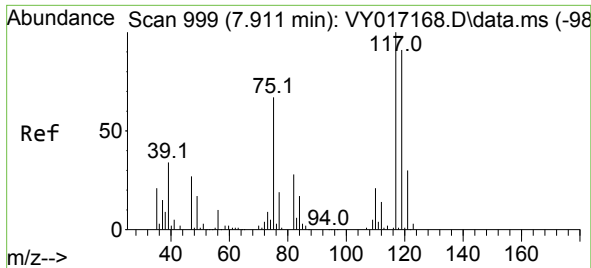
Tgt Ion:113 Resp: 43408
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.6
192 18.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion: 75 Resp: 5915
Ion Ratio Lower Upper
75 100
110 7.9 17.4 52.3#
77 0.0 24.7 37.1#

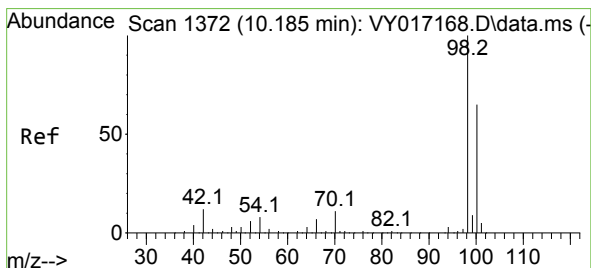
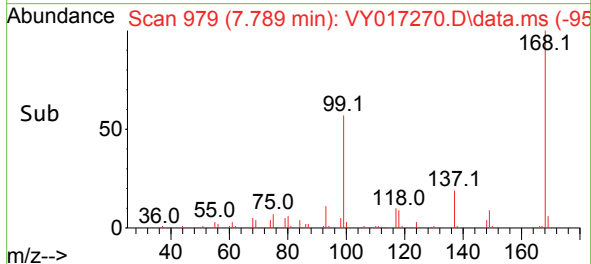
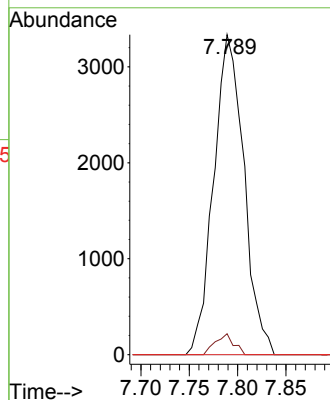
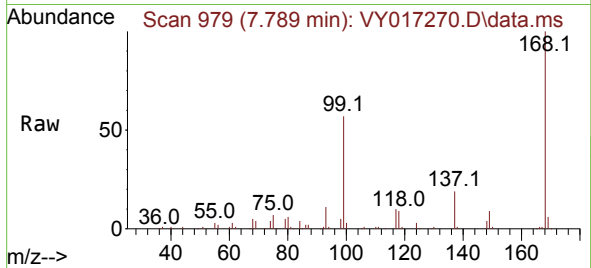




#38
Carbon Tetrachloride
Concen: 6.099 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

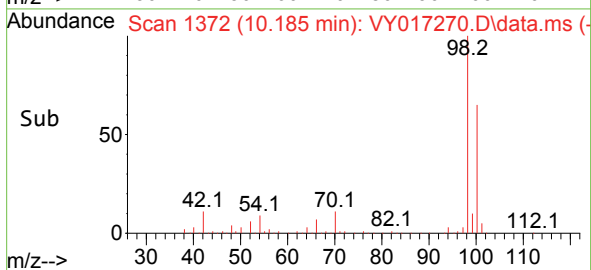
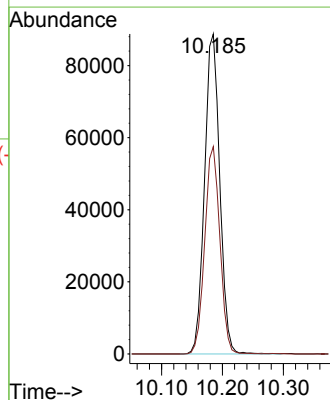
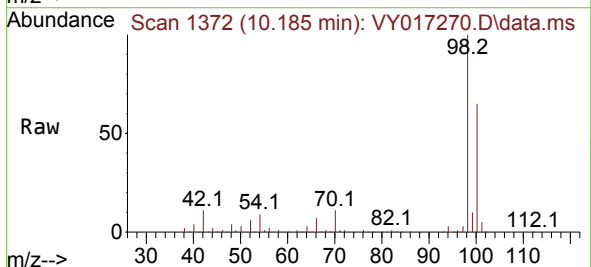
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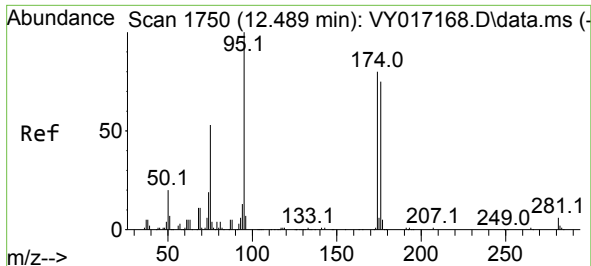
Tgt Ion:117 Resp: 7251
Ion Ratio Lower Upper
117 100
119 6.6 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 58.780 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion: 98 Resp: 154064
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

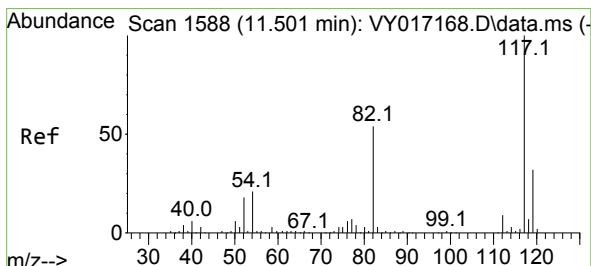
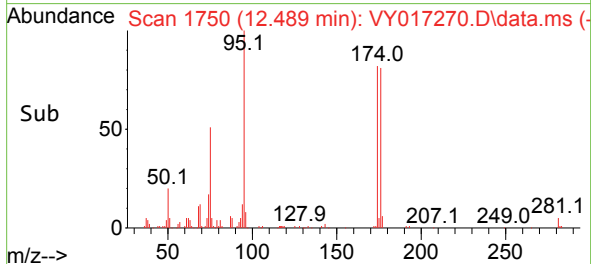
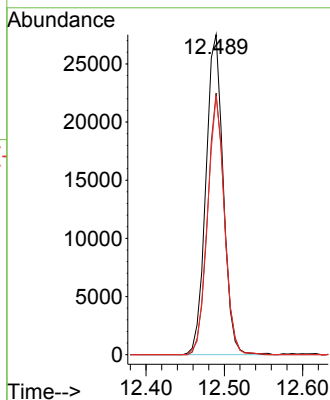
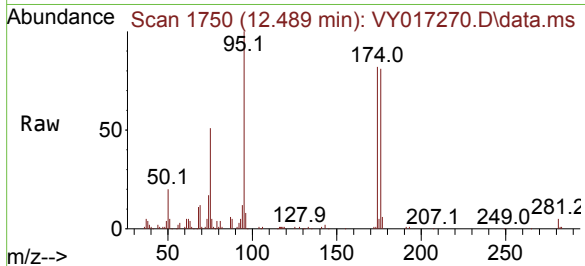




#62
4-Bromofluorobenzene
Concen: 49.095 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

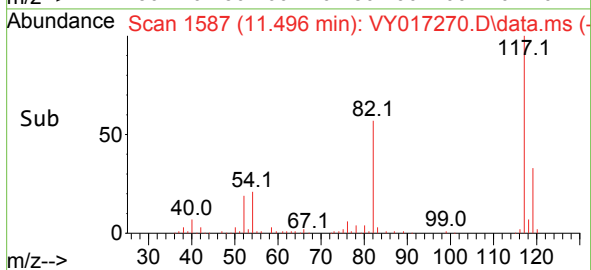
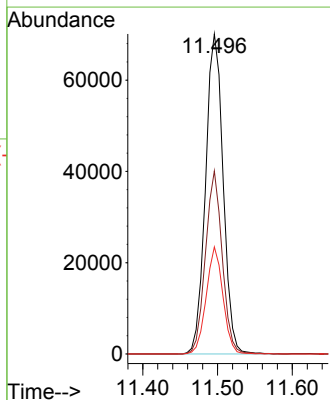
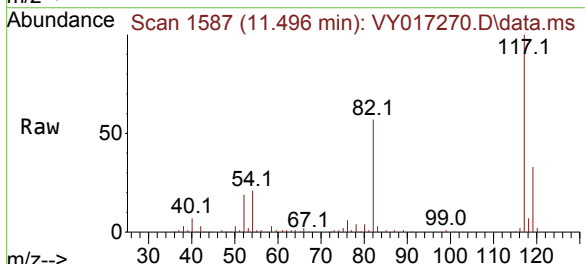
Instrument :
MSVOA_Y
ClientSampleId :
CHRT24449

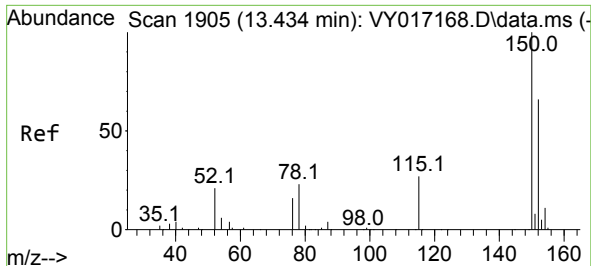
Tgt Ion:	95	Resp:	42153
Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	160.0
176	78.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion:	117	Resp:	114748
Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.8	65.8
119	33.5	26.5	39.7

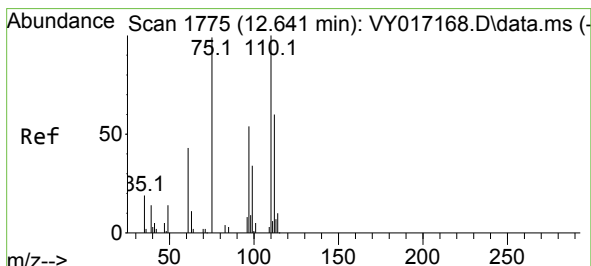
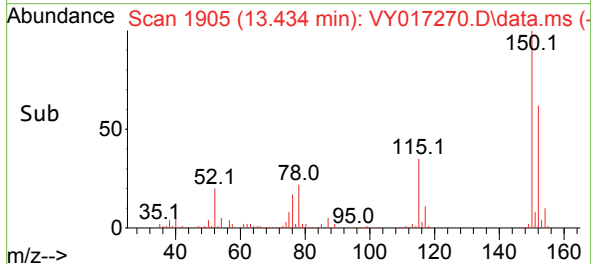
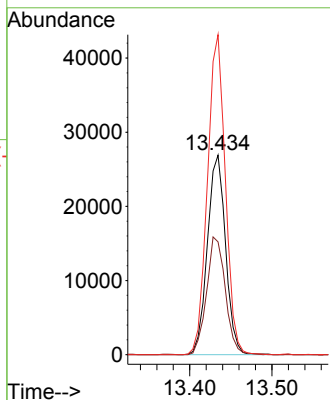
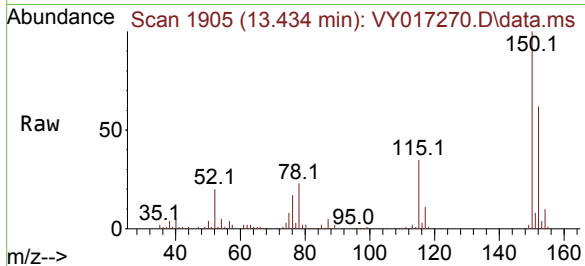




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

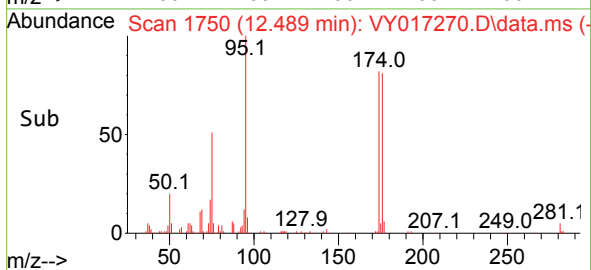
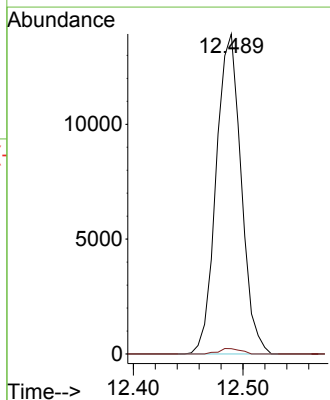
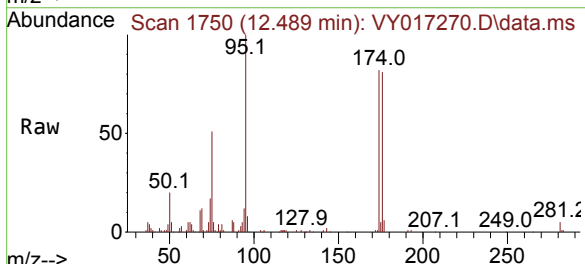
Instrument :
MSVOA_Y
ClientSampleId :
CHRT24449

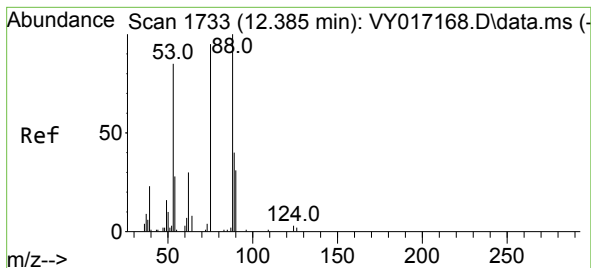
Tgt Ion:152 Resp: 41419
Ion Ratio Lower Upper
152 100
115 60.9 30.0 90.0
150 157.5 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 57.707 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion: 75 Resp: 22061
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

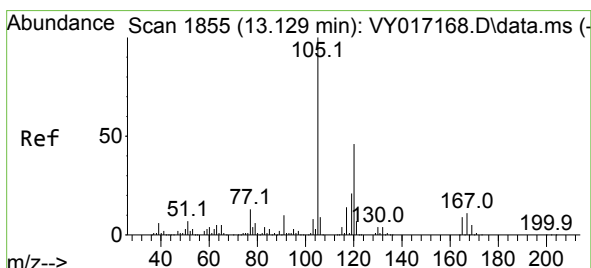
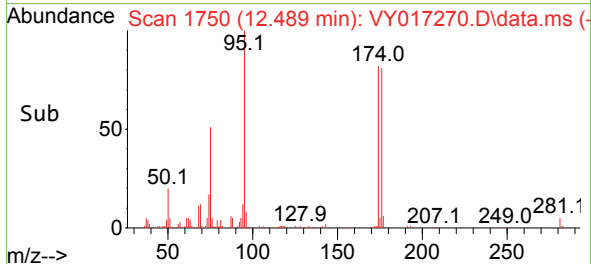
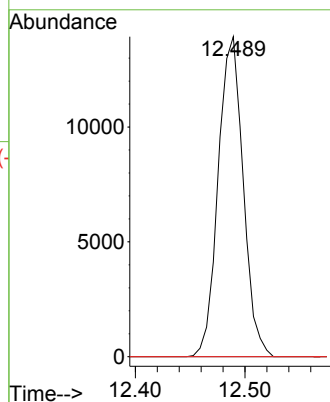
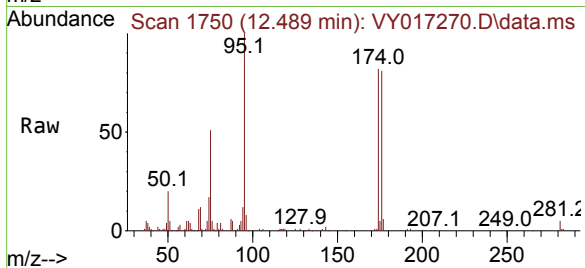




#81
trans-1,4-Dichloro-2-butene
Concen: 119.908 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

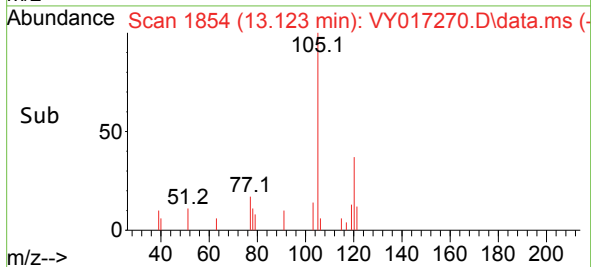
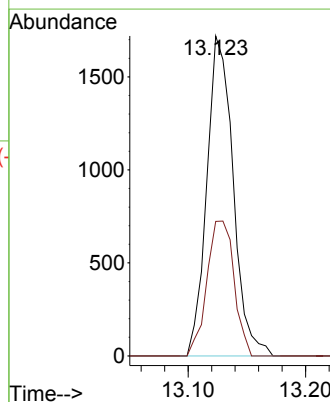
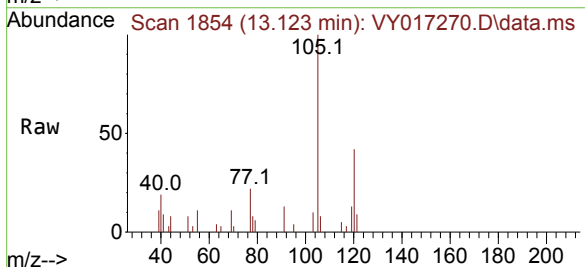
Instrument :
MSVOA_Y
ClientSampleId :
CHRT24449

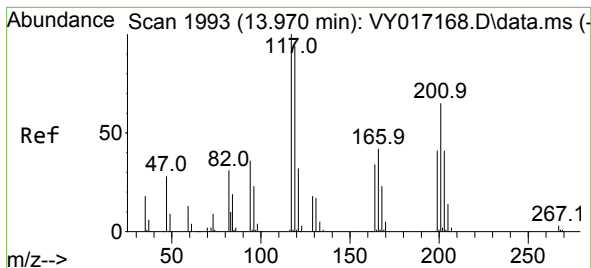
Tgt Ion: 75 Resp: 22061
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.120 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY017270.D
Acq: 06 Feb 2024 17:23

Tgt Ion: 105 Resp: 2675
Ion Ratio Lower Upper
105 100
120 43.4 22.1 66.3





#90

Hexachloroethane

Concen: 1.164 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.007 min

Lab File: VY017270.D

Acq: 06 Feb 2024 17:23

Instrument :

MSVOA_Y

ClientSampleId :

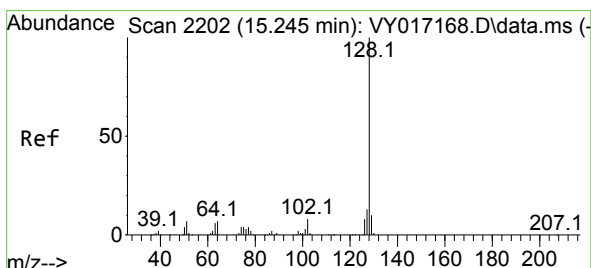
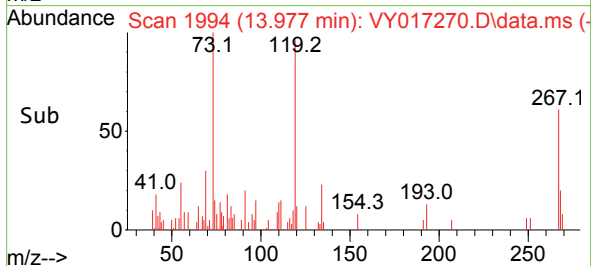
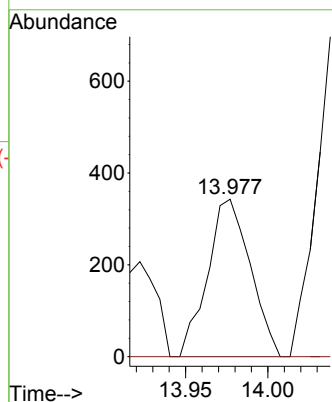
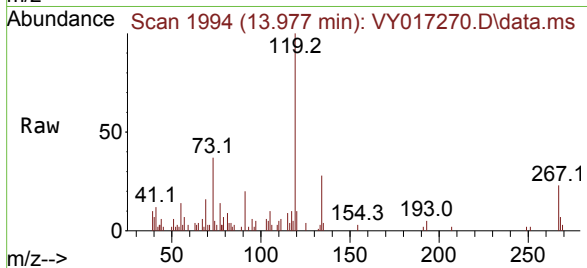
CHRT24449

Tgt Ion:117 Resp: 619

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 4.032 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY017270.D

Acq: 06 Feb 2024 17:23

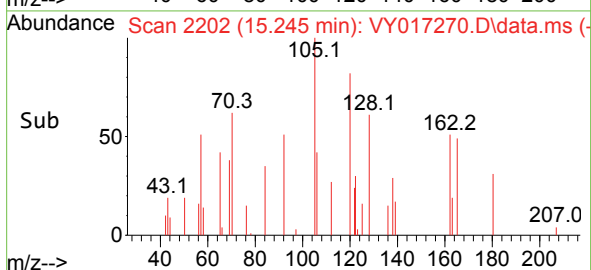
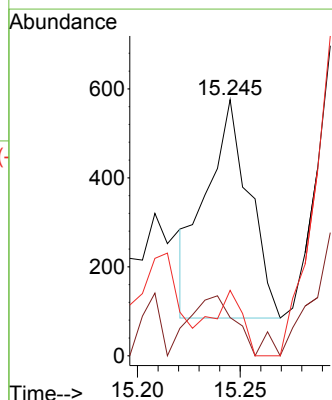
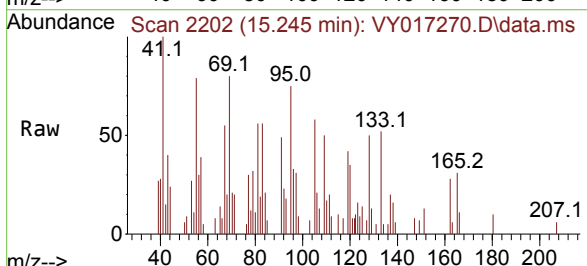
Tgt Ion:128 Resp: 715

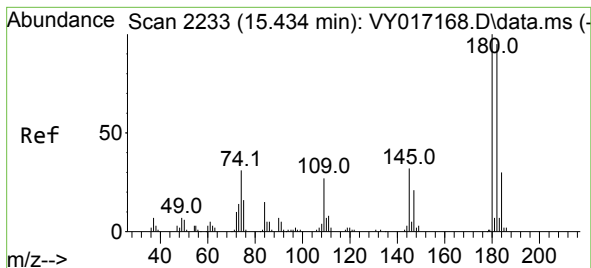
Ion Ratio Lower Upper

128 100

127 29.0 10.2 15.4#

129 21.1 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 1.605 ug/l

RT: 15.446 min Scan# 21

Delta R.T. 0.013 min

Lab File: VY017270.D

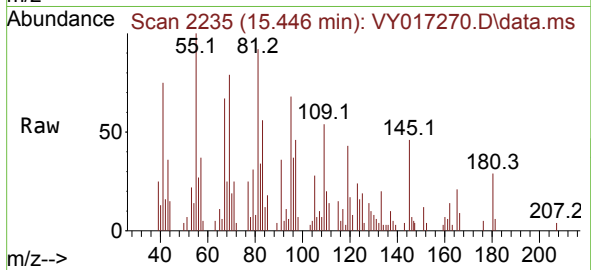
Acq: 06 Feb 2024 17:23

Instrument :

MSVOA_Y

ClientSampleId :

CHRT24449



Tgt Ion:180 Resp: 777

Ion Ratio Lower Upper

180 100

182 5.9 46.3 138.8#

145 0.0 16.1 48.2#

