

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031356.D
 Acq On : 15 Sep 2022 16:11
 Operator : JC/MD
 Sample : N4562-03ME
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-26524

Quant Time: Sep 16 04:54:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

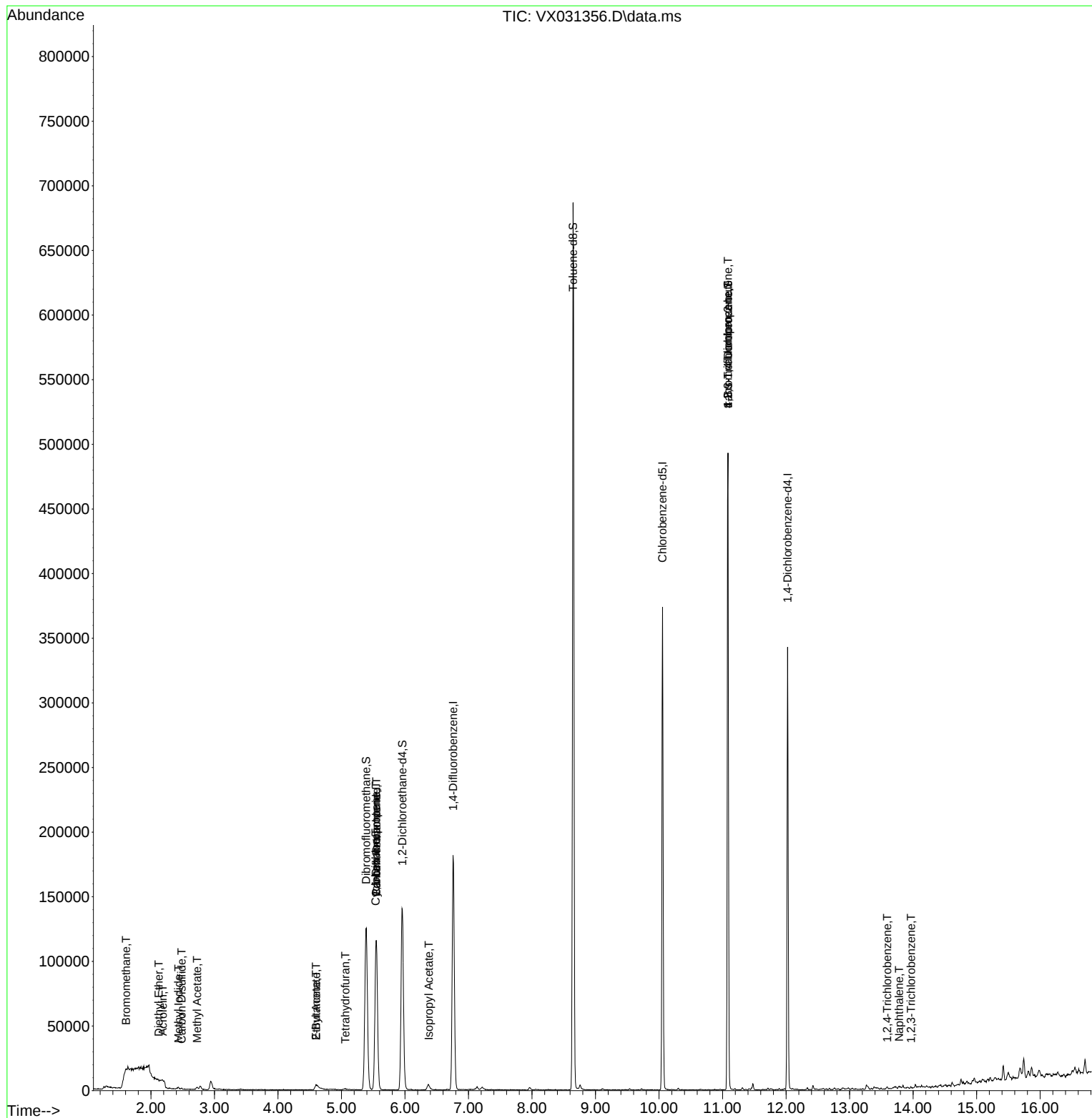
Internal Standards						
1) Pentafluorobenzene	5.550	168	110528	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	181663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	130076	47.946	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.900%
35) Dibromofluoromethane	5.385	113	105620	54.088	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.180%
50) Toluene-d8	8.647	98	395074	53.935	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.860%
62) 4-Bromofluorobenzene	11.085	95	119861	44.685	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.360%
Target Compounds						Qvalue
3) Chloromethane	1.288	50	231	Below Cal		89
5) Bromomethane	1.605	94	1171	0.809 ug/l #		71
8) Diethyl Ether	2.123	74	41	0.554 ug/l #		1
10) Methyl Iodide	2.434	142	970	1.442 ug/l #		93
11) Tert butyl alcohol	2.940	59	4584	Below Cal #		73
13) Acrolein	2.184	56	571	1.824 ug/l #		27
17) Carbon Disulfide	2.483	76	823	1.099 ug/l #		80
18) Methyl Acetate	2.727	43	2772	0.807 ug/l		93
20) Methylene Chloride	2.782	84	1159	Below Cal #		84
21) trans-1,2-Dichloroethene	3.087	96	178	Below Cal #		43
25) 2-Butanone	4.599	43	9990	5.229 ug/l		92
29) Tetrahydrofuran	5.062	42	804	0.679 ug/l #		61
31) Cyclohexane	5.537	56	2880	0.988 ug/l #		36
36) 1,1-Dichloropropene	5.544	75	9777	3.658 ug/l #		46
37) Ethyl Acetate	4.599	43	9990	2.844 ug/l #		68
38) Carbon Tetrachloride	5.550	117	11219	3.862 ug/l #		18
43) Isopropyl Acetate	6.373	43	2397	0.400 ug/l #		61
76) 1,2,3-Trichloropropane	11.085	75	67921	40.991 ug/l #		37
81) trans-1,4-Dichloro-2-b...	11.085	75	67921	113.422 ug/l #		11
92) 1,2-Dibromo-3-Chloropr...	12.774	75	53	Below Cal #		3
93) 1,2,4-Trichlorobenzene	13.591	180	436	0.375 ug/l		78
95) Naphthalene	13.780	128	991	0.210 ug/l		96
96) 1,2,3-Trichlorobenzene	13.969	180	284	0.228 ug/l #		87

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

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Quant Time: Sep 16 04:54:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

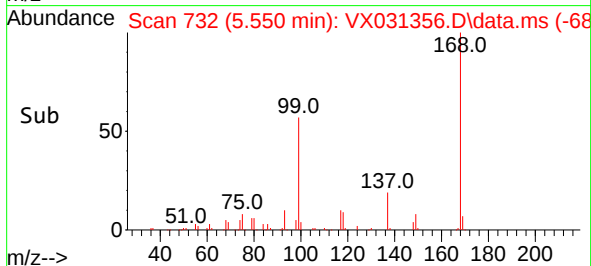
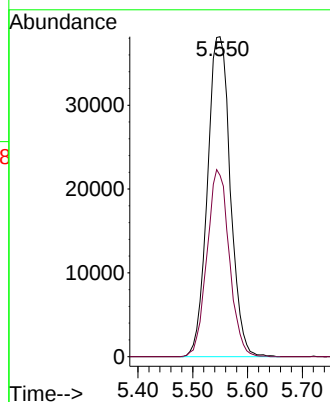
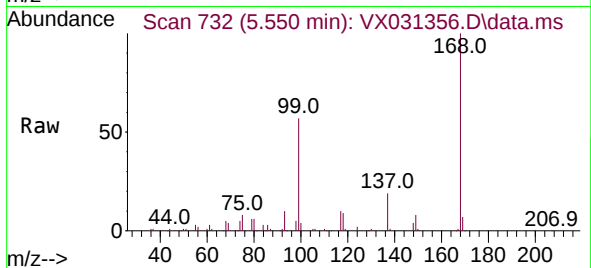




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

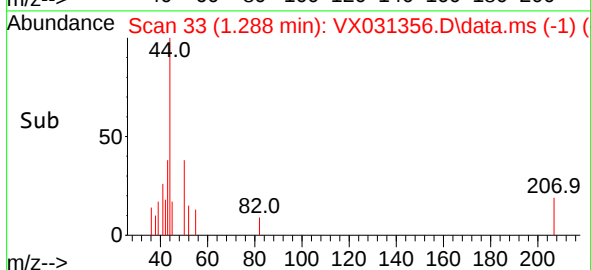
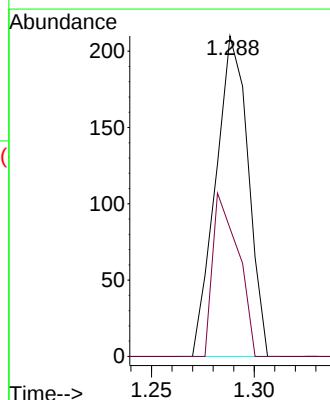
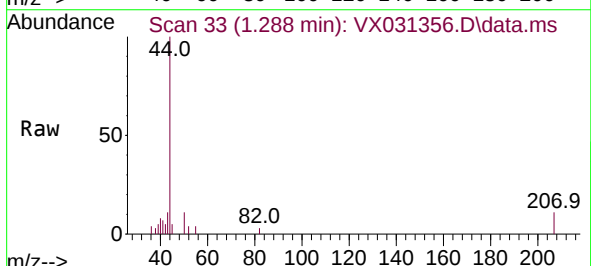
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

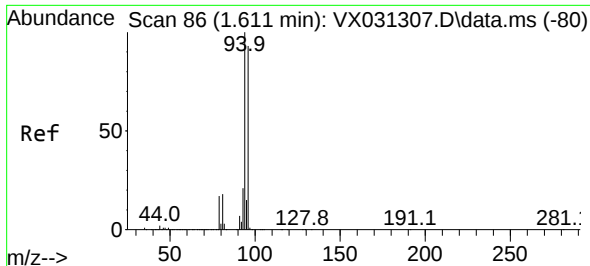
Tgt Ion:168 Resp: 110528
Ion Ratio Lower Upper
168 100
99 56.6 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 50 Resp: 231
Ion Ratio Lower Upper
50 100
52 40.0 26.9 40.3

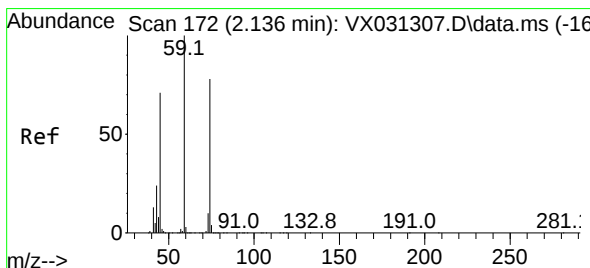
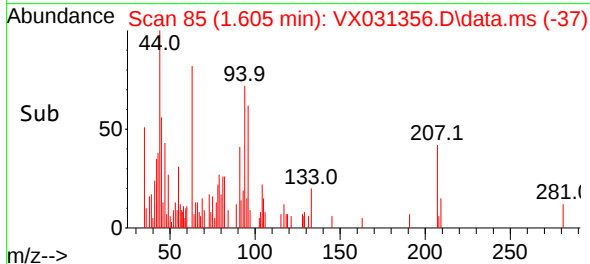
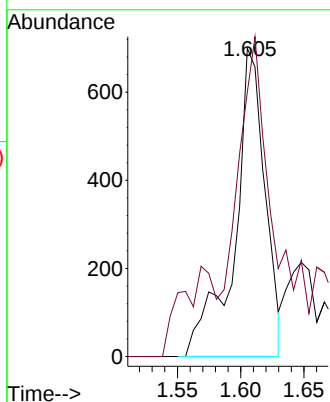
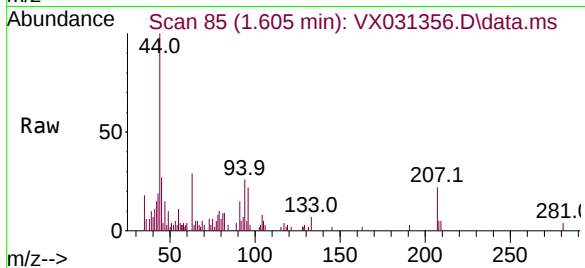




#5
Bromomethane
Concen: 0.809 ug/l
RT: 1.605 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

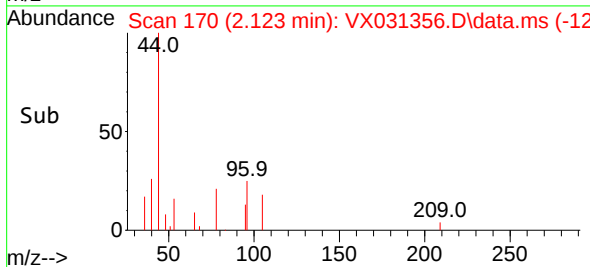
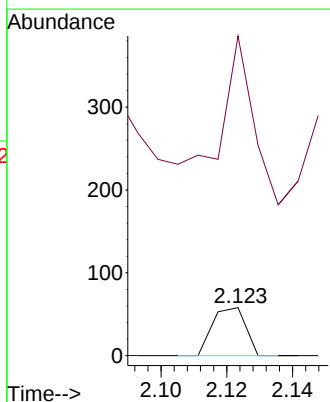
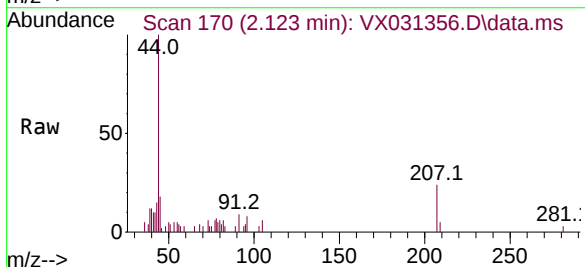
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

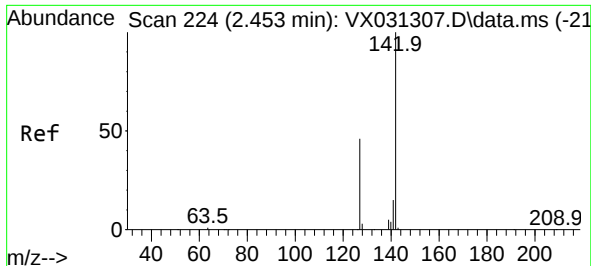
Tgt Ion: 94 Resp: 1171
Ion Ratio Lower Upper
94 100
96 65.0 74.4 111.6#



#8
Diethyl Ether
Concen: 0.554 ug/l
RT: 2.123 min Scan# 170
Delta R.T. -0.013 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 74 Resp: 41
Ion Ratio Lower Upper
74 100
45 246.3 48.5 145.6#

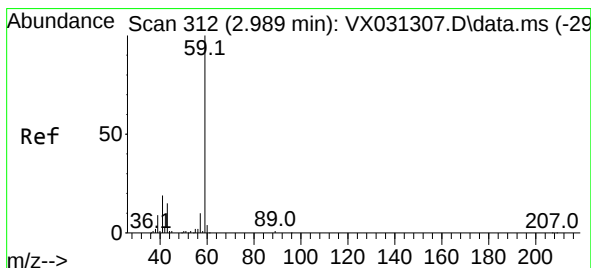
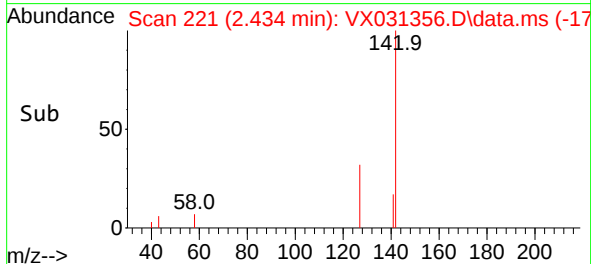
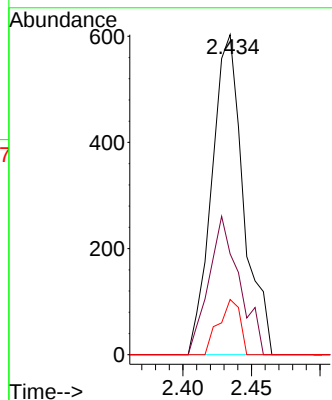
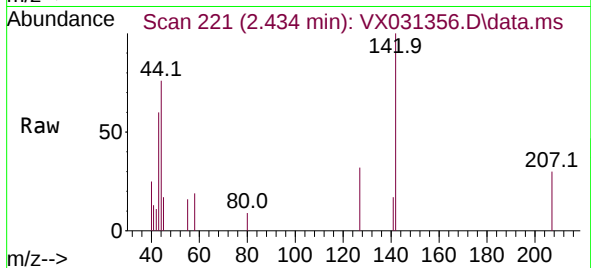




#10
Methyl Iodide
Concen: 1.442 ug/l
RT: 2.434 min Scan# 21
Delta R.T. -0.019 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

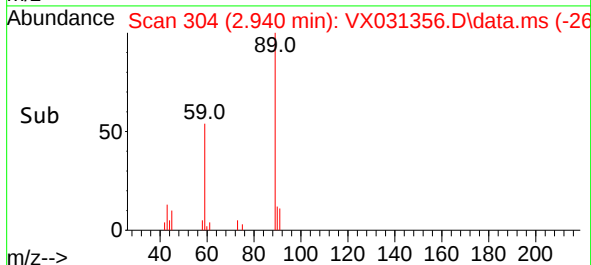
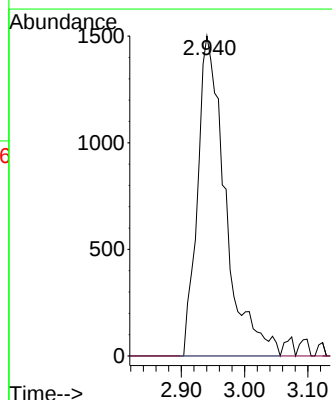
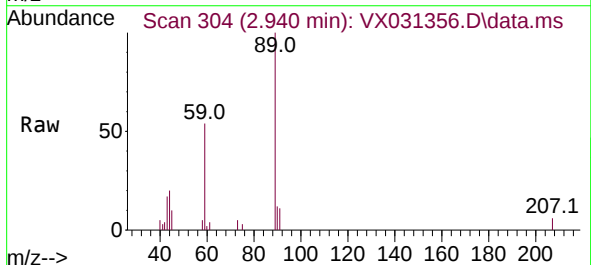
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

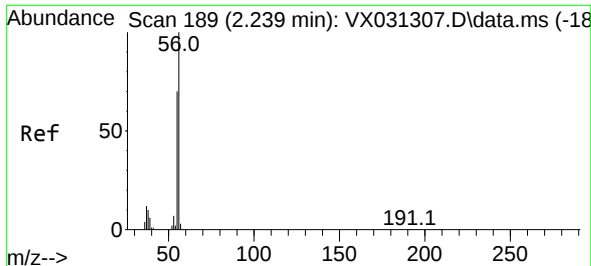
Tgt Ion:142 Resp: 970
Ion Ratio Lower Upper
142 100
127 41.8 37.4 56.0
141 11.5 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 59 Resp: 4584
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

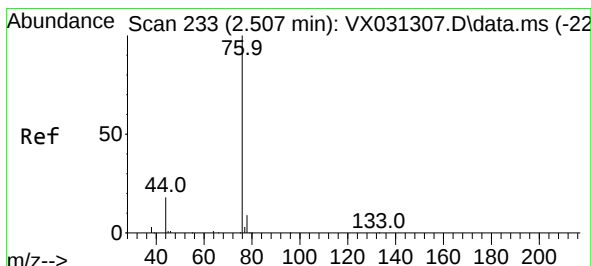
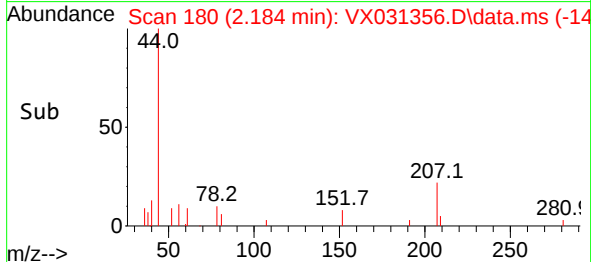
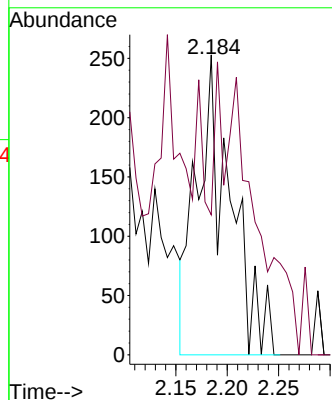
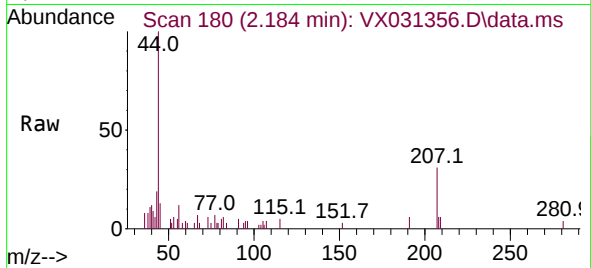




#13
Acrolein
Concen: 1.824 ug/l
RT: 2.184 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

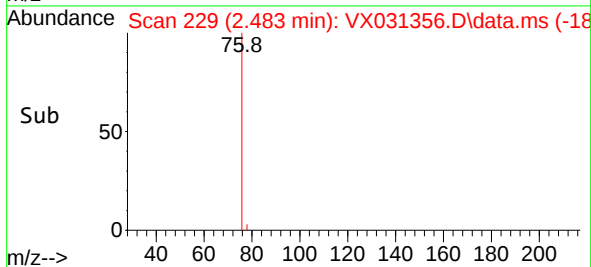
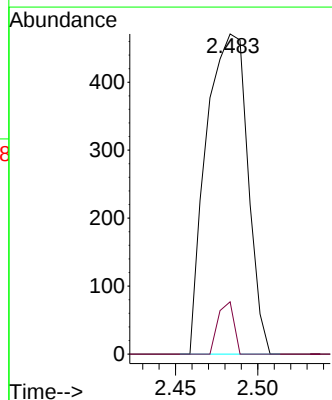
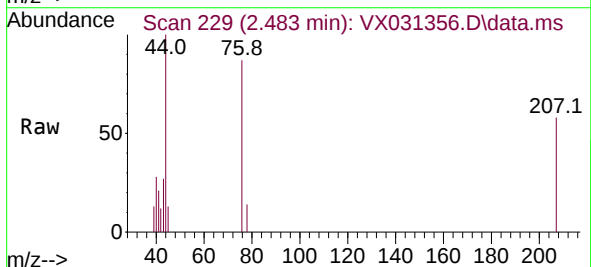
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

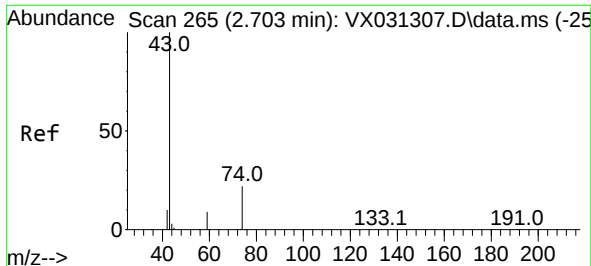
Tgt Ion: 56 Resp: 571
Ion Ratio Lower Upper
56 100
55 9.8 56.0 84.0#



#17
Carbon Disulfide
Concen: 1.099 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.024 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 76 Resp: 823
Ion Ratio Lower Upper
76 100
78 16.3 7.2 10.8#

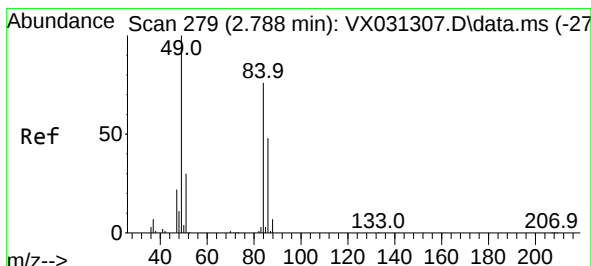
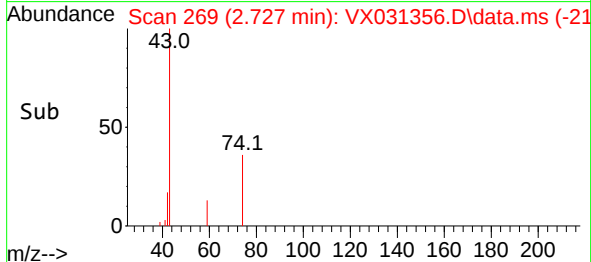
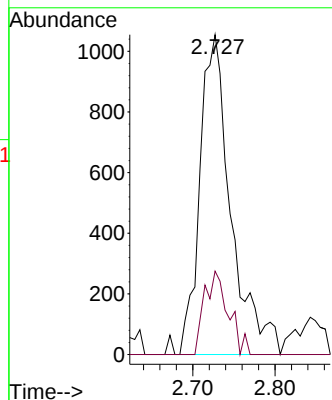
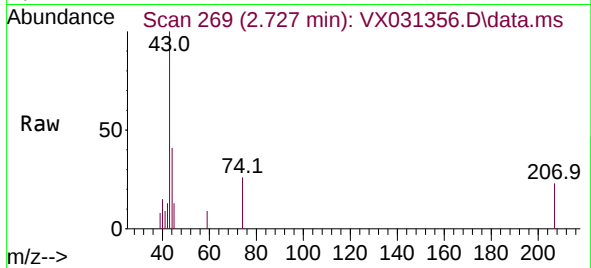




#18
Methyl Acetate
Concen: 0.807 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

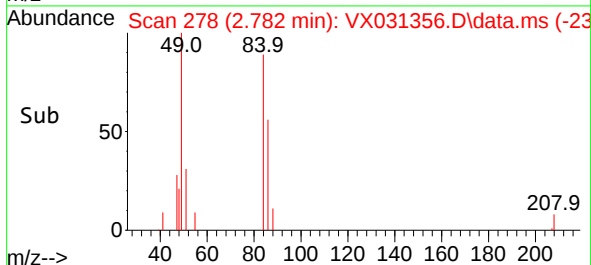
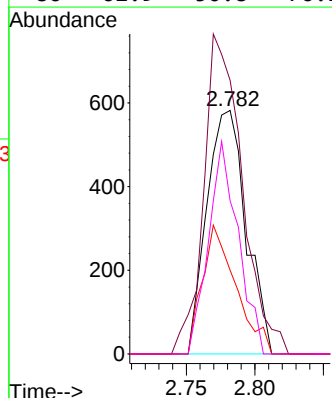
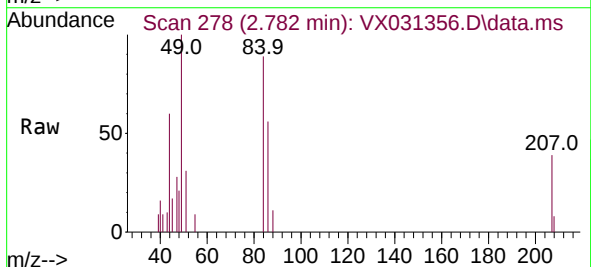
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ClientSampleId :
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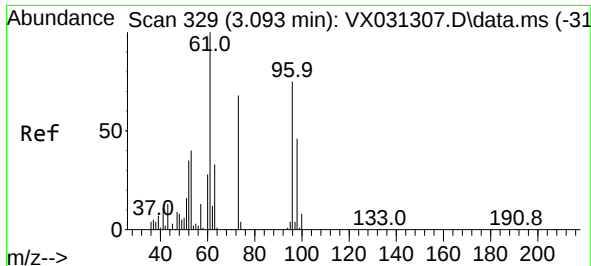
Tgt Ion: 43 Resp: 2772
Ion Ratio Lower Upper
43 100
74 20.0 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 84 Resp: 1159
Ion Ratio Lower Upper
84 100
49 103.4 105.9 158.9#
51 34.4 32.2 48.2
86 62.9 50.8 76.2

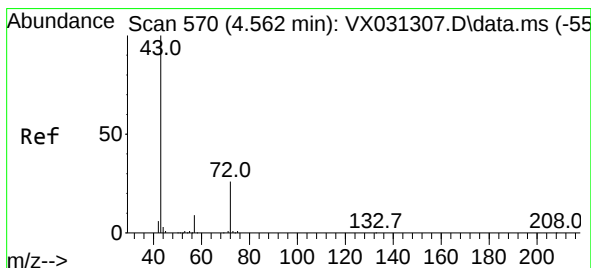
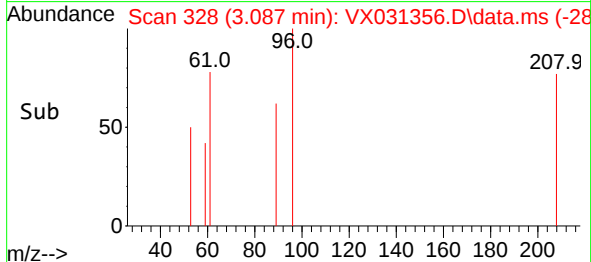
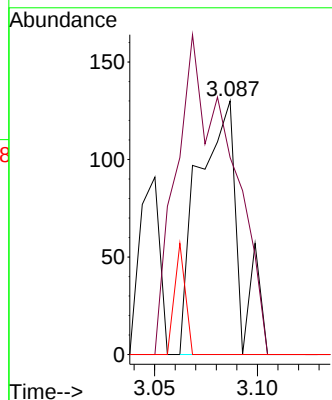
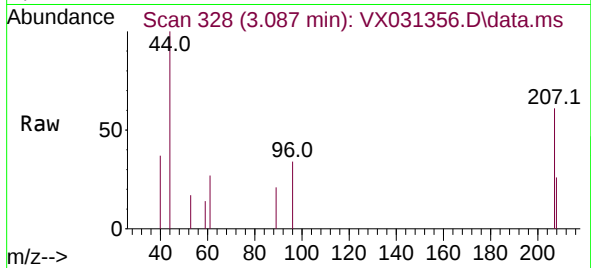




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

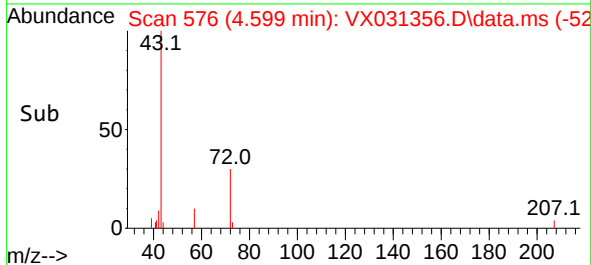
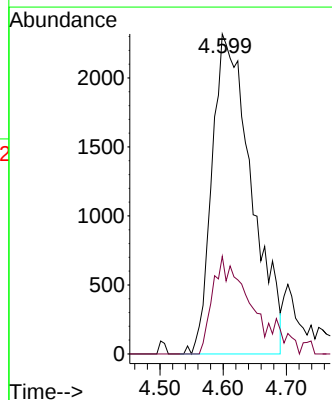
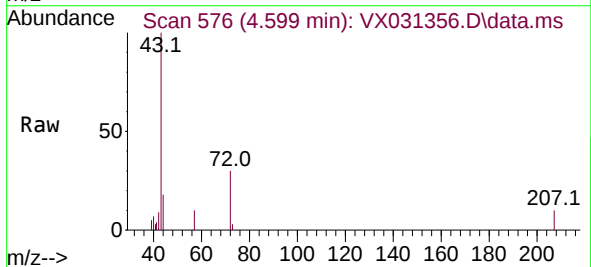
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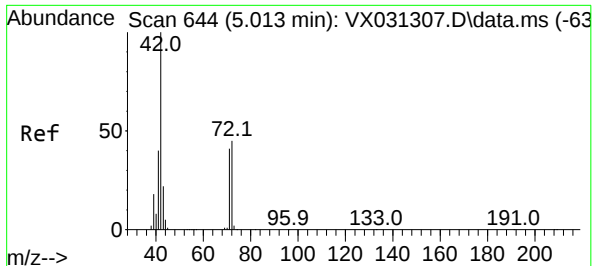
Tgt Ion: 96 Resp: 178
Ion Ratio Lower Upper
96 100
61 77.7 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 5.229 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 43 Resp: 9990
Ion Ratio Lower Upper
43 100
72 30.5 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.679 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX031356.D

Acq: 15 Sep 2022 16:11

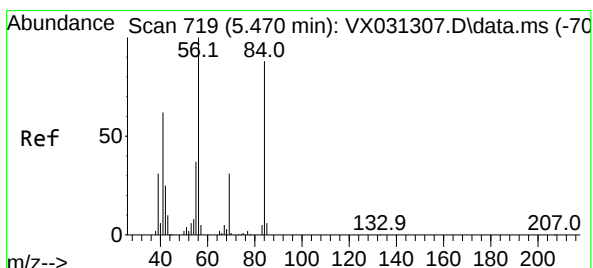
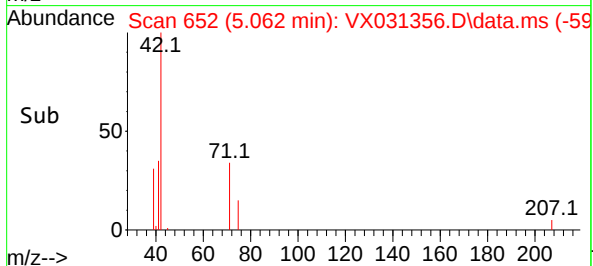
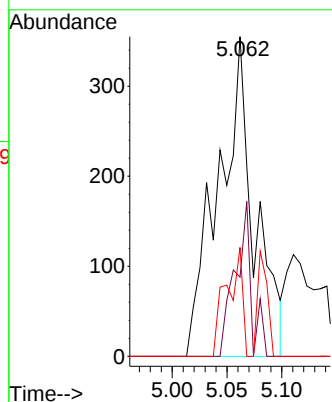
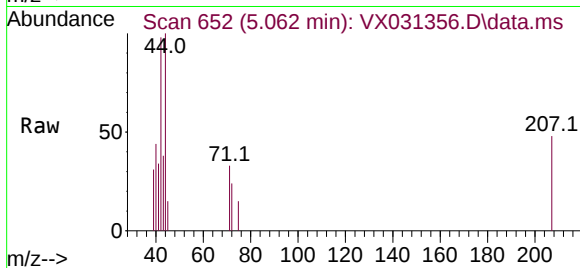
Instrument :

MSVOA_X

ClientSampleId :

CHRT-26524

Tgt Ion: 42	Resp:	804
Ion	Ratio	Lower Upper
42	100	
72	21.9	36.4 54.6#
71	15.4	33.5 50.3#



#31

Cyclohexane

Concen: 0.988 ug/l

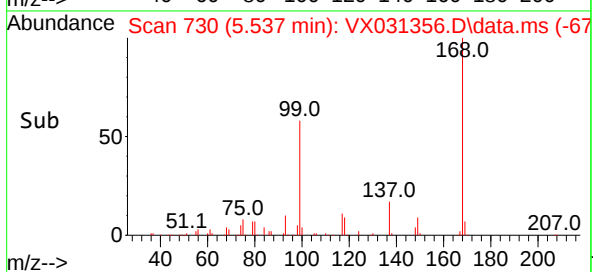
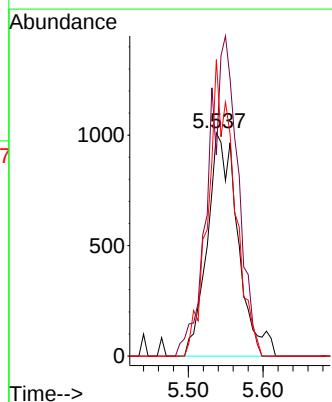
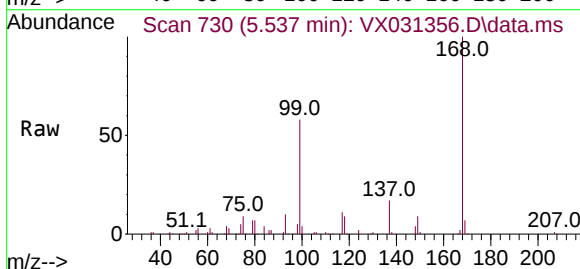
RT: 5.537 min Scan# 730

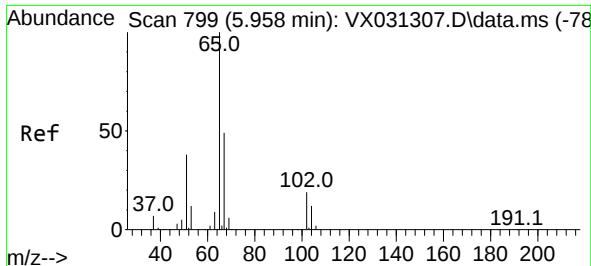
Delta R.T. 0.067 min

Lab File: VX031356.D

Acq: 15 Sep 2022 16:11

Tgt Ion: 56	Resp:	2880
Ion	Ratio	Lower Upper
56	100	
69	90.2	25.1 37.7#
84	132.9	70.2 105.4#

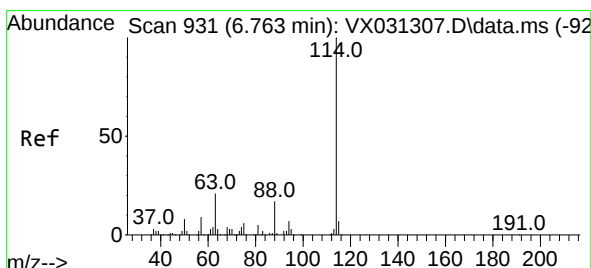
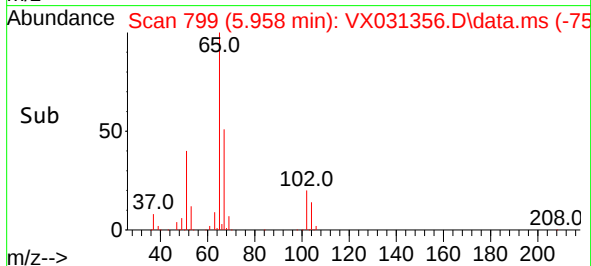
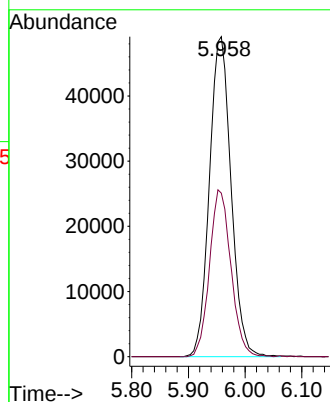
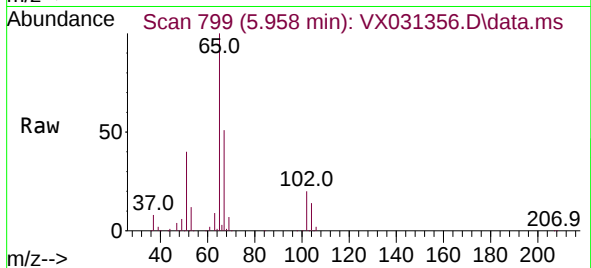




#33
 1,2-Dichloroethane-d4
 Concen: 47.946 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031356.D
 Acq: 15 Sep 2022 16:11

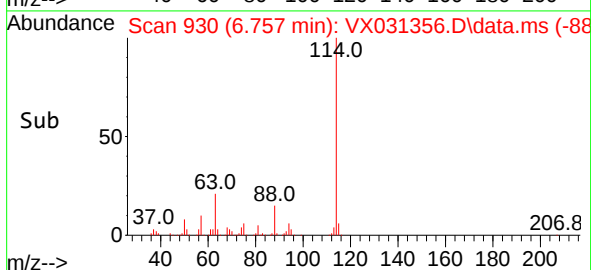
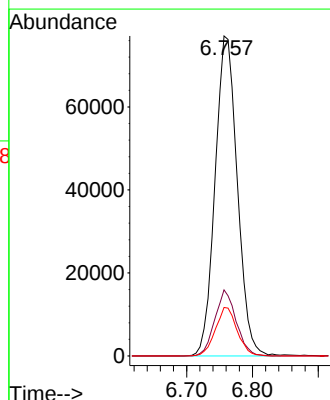
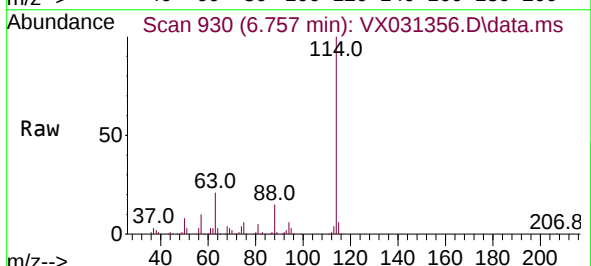
Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-26524

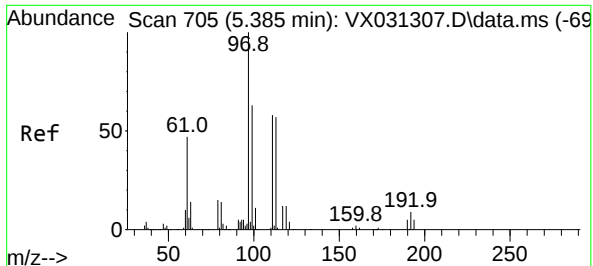
Tgt Ion: 65 Resp: 130076
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX031356.D
 Acq: 15 Sep 2022 16:11

Tgt Ion: 114 Resp: 181663
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.2 0.0 33.0

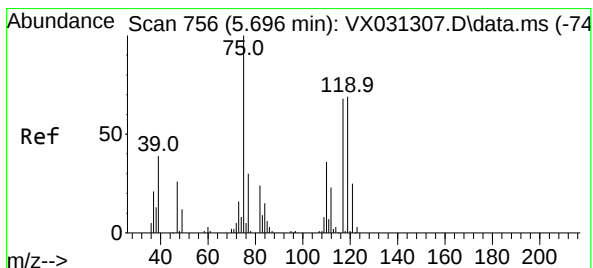
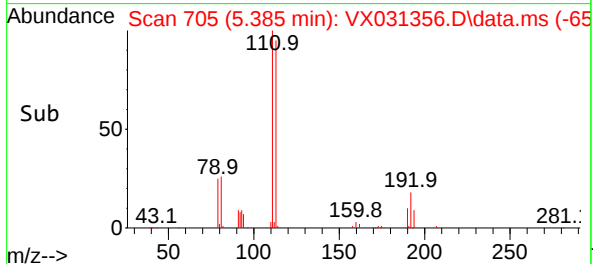
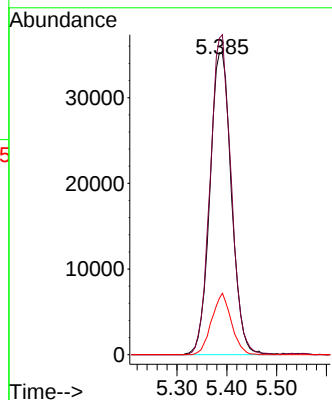
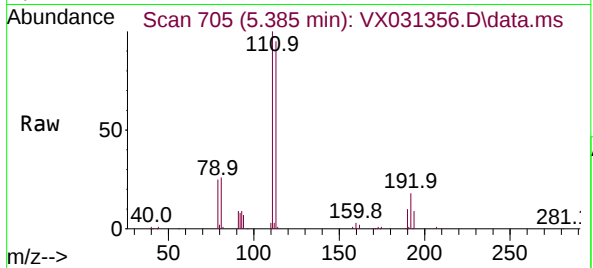




#35
Dibromofluoromethane
Concen: 54.088 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

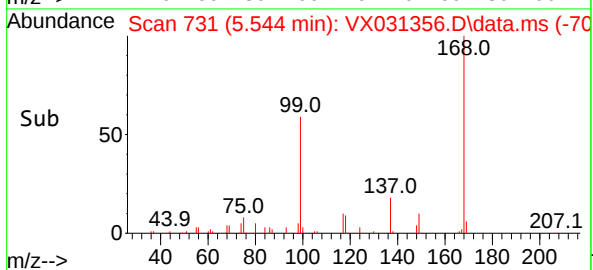
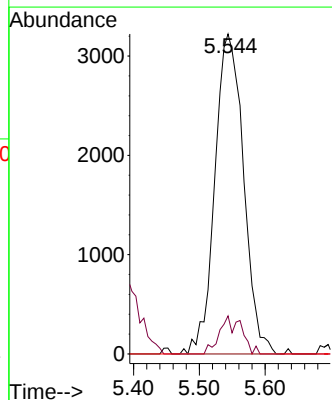
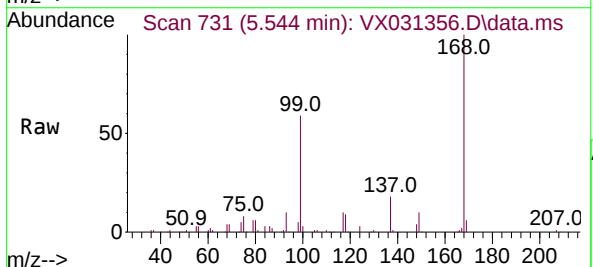
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

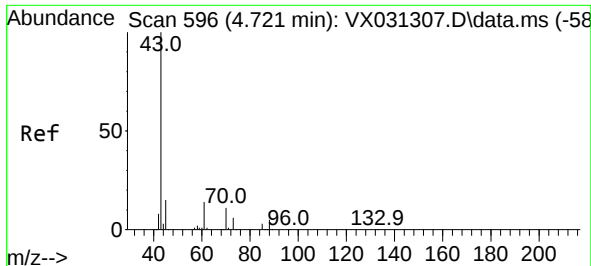
Tgt Ion:113 Resp: 105620
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 18.6 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.658 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 75 Resp: 9777
Ion Ratio Lower Upper
75 100
110 5.2 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.844 ug/l

RT: 4.599 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX031356.D

Acq: 15 Sep 2022 16:11

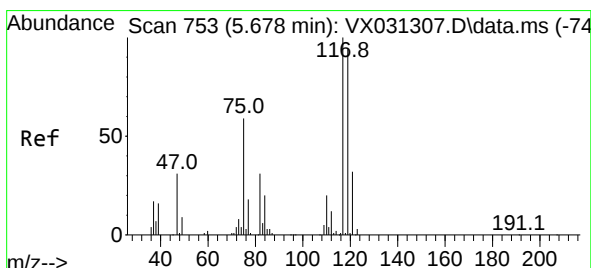
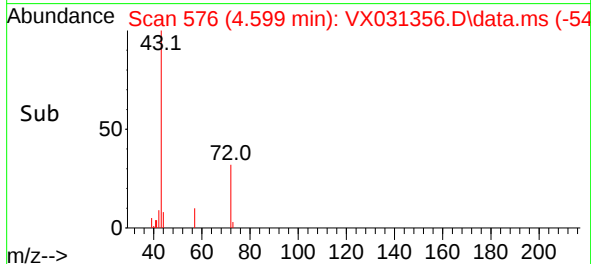
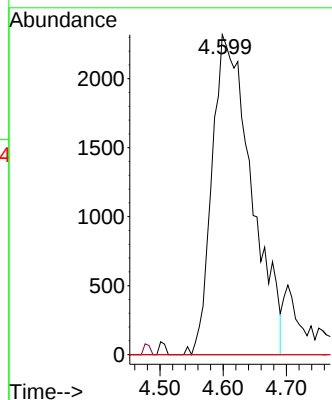
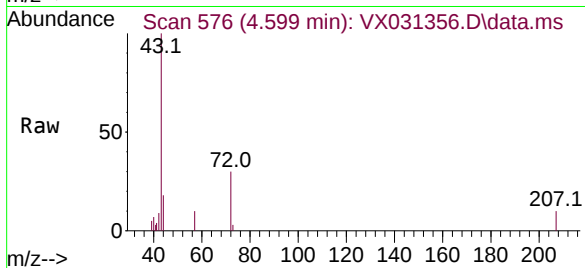
Instrument :

MSVOA_X

ClientSampleId :

CHRT-26524

Tgt Ion: 43	Resp: 9990
Ion Ratio	Lower Upper
43	100
61	0.0 11.1 16.7#
70	0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 3.862 ug/l

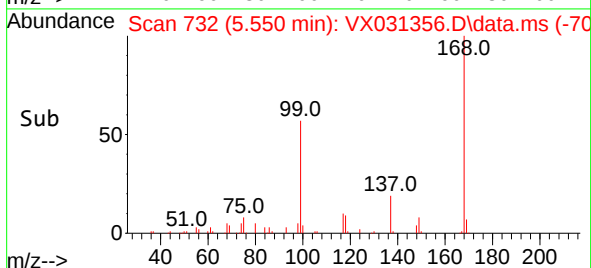
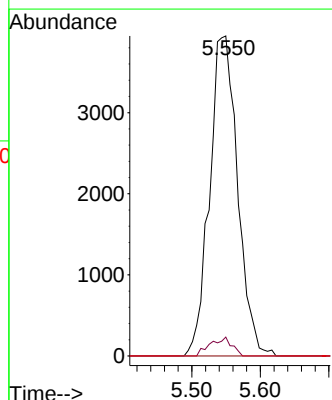
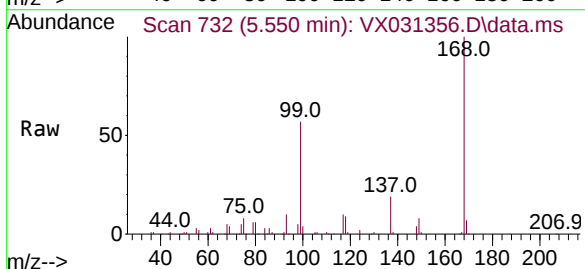
RT: 5.550 min Scan# 732

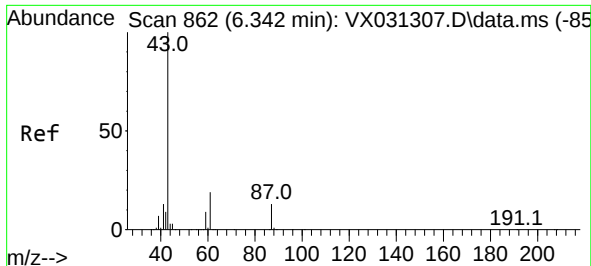
Delta R.T. -0.128 min

Lab File: VX031356.D

Acq: 15 Sep 2022 16:11

Tgt Ion: 117	Resp: 11219
Ion Ratio	Lower Upper
117	100
119	5.9 74.6 112.0#
121	0.0 25.3 37.9#

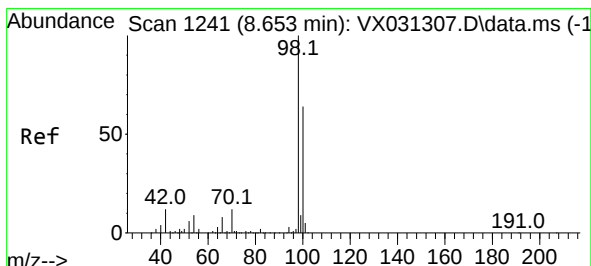
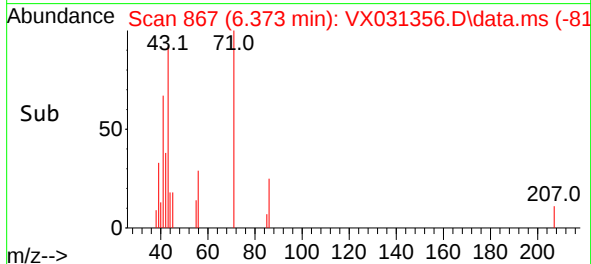
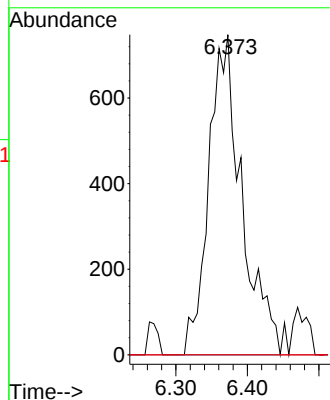
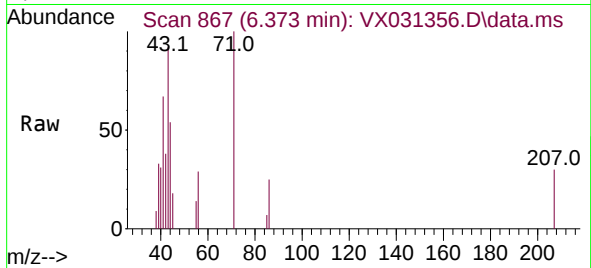




#43
Isopropyl Acetate
Concen: 0.400 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.030 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

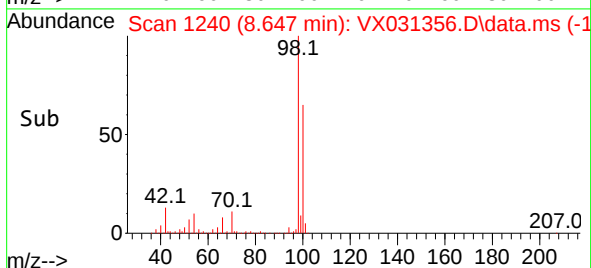
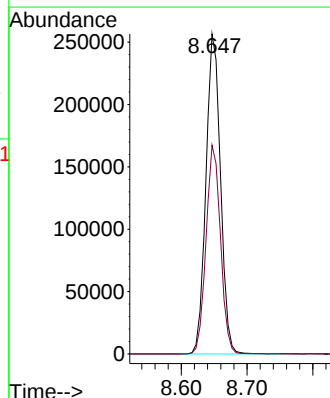
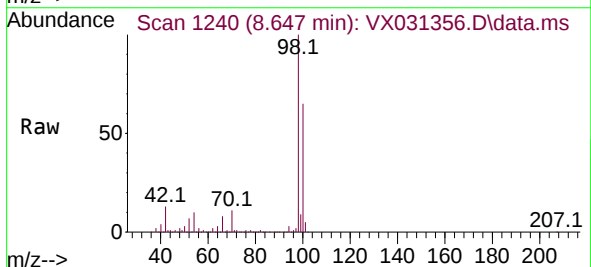
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

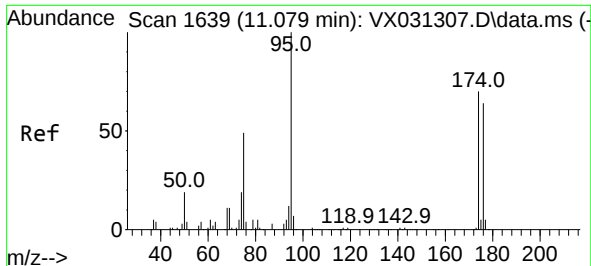
Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#



#50
Toluene-d8
Concen: 53.935 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 98 Resp: 395074
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 44.685 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX031356.D

Acq: 15 Sep 2022 16:11

Instrument :

MSVOA_X

ClientSampleId :

CHRT-26524

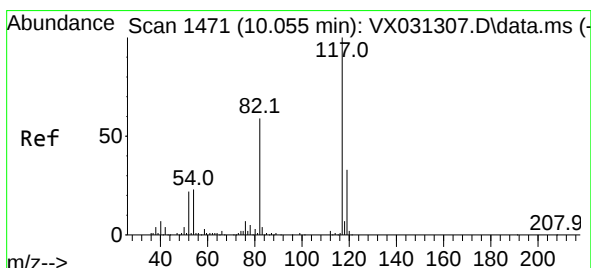
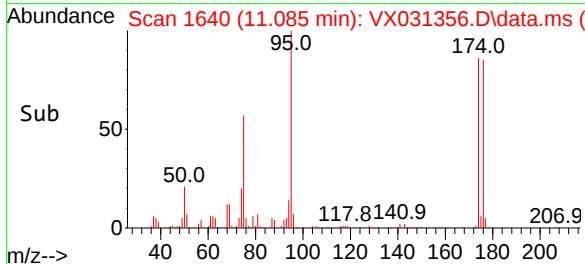
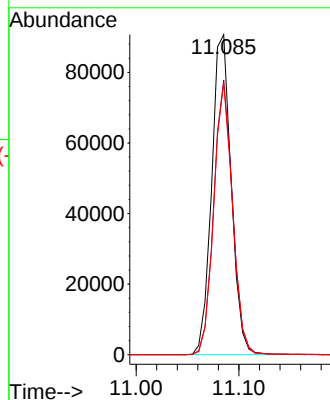
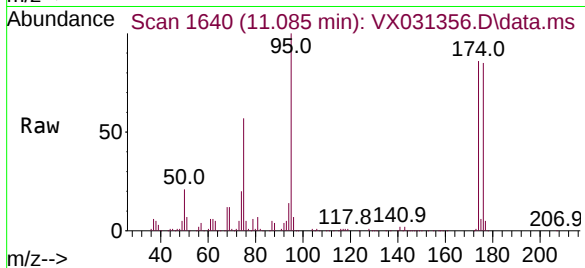
Tgt Ion: 95 Resp: 119861

Ion Ratio Lower Upper

95 100

174 82.7 0.0 153.2

176 81.1 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031356.D

Acq: 15 Sep 2022 16:11

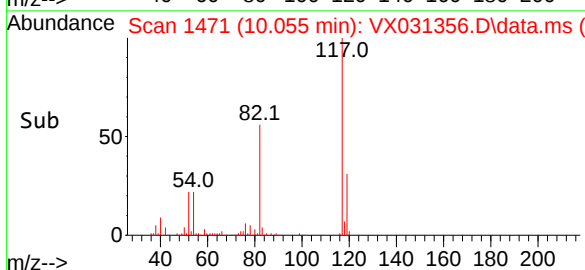
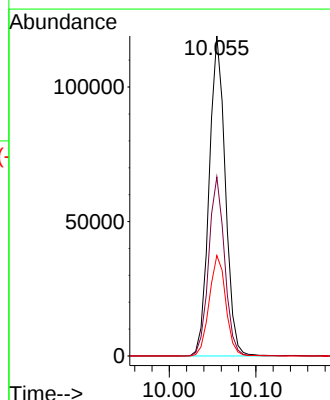
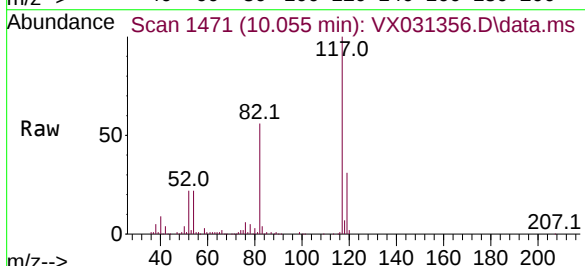
Tgt Ion: 117 Resp: 154197

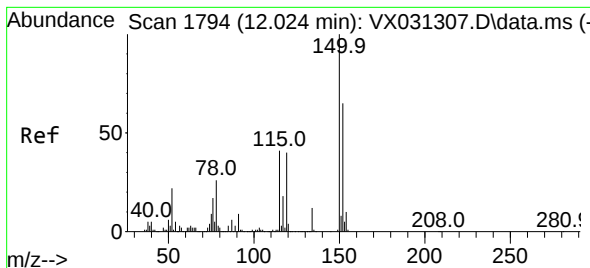
Ion Ratio Lower Upper

117 100

82 55.9 46.8 70.2

119 31.4 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031356.D

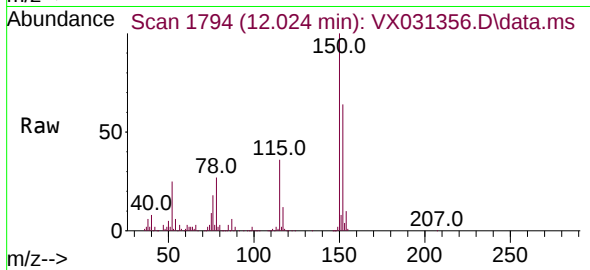
Acq: 15 Sep 2022 16:11

Instrument :

MSVOA_X

ClientSampleId :

CHRT-26524



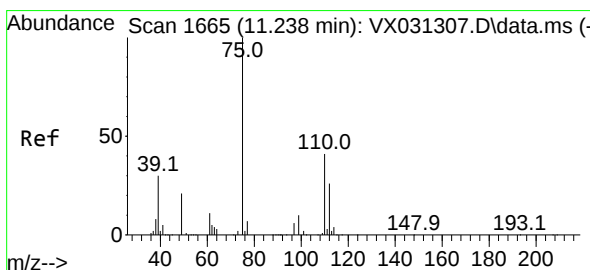
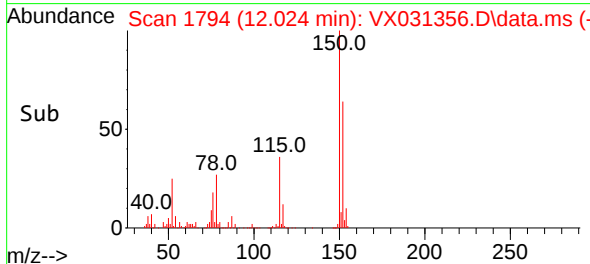
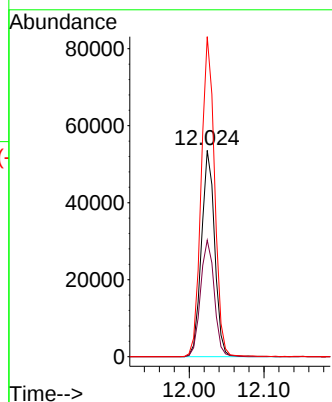
Tgt Ion:152 Resp: 65753

Ion Ratio Lower Upper

152 100

115 58.6 43.4 130.1

150 157.1 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 40.991 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.152 min

Lab File: VX031356.D

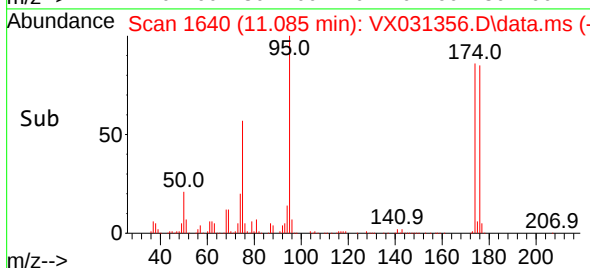
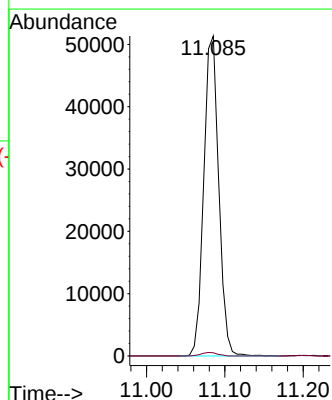
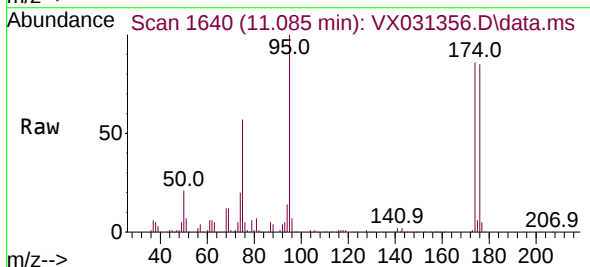
Acq: 15 Sep 2022 16:11

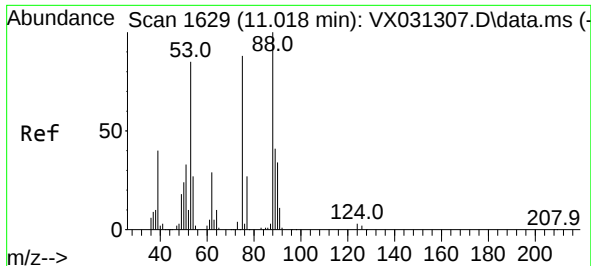
Tgt Ion: 75 Resp: 67921

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#

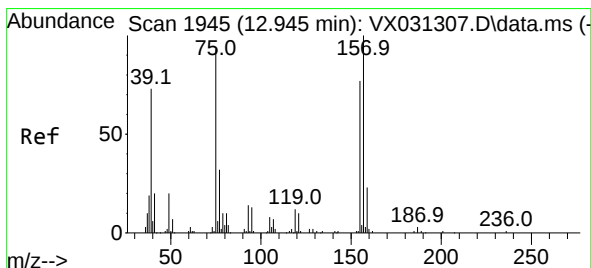
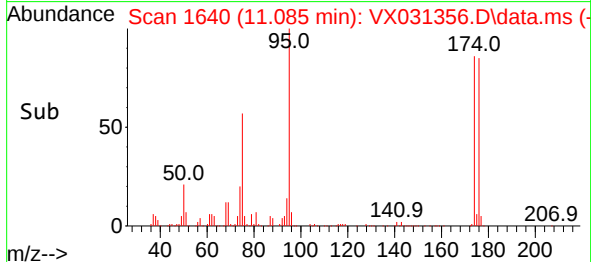
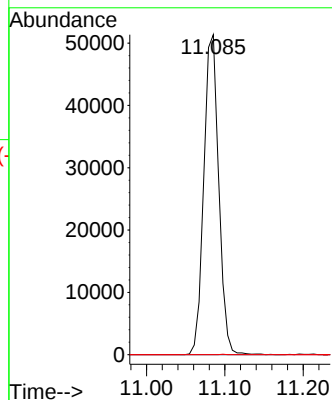
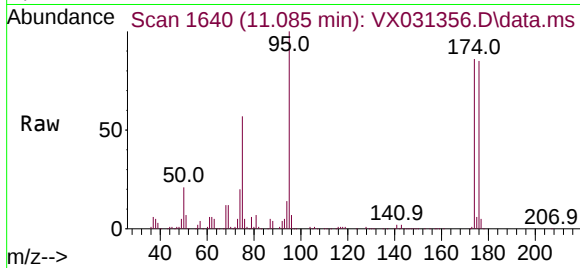




#81
trans-1,4-Dichloro-2-butene
Concen: 113.422 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

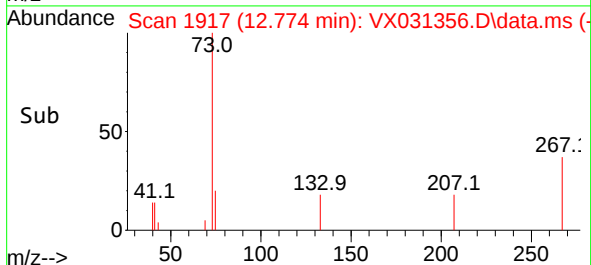
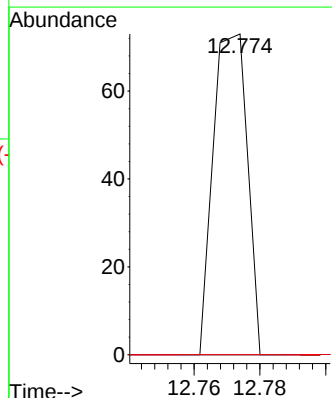
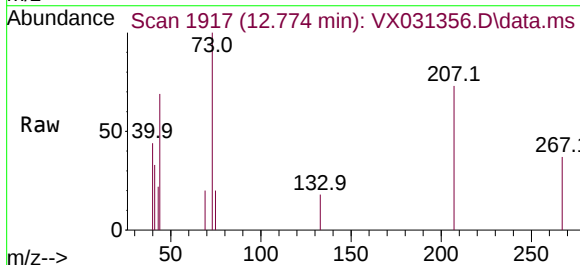
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

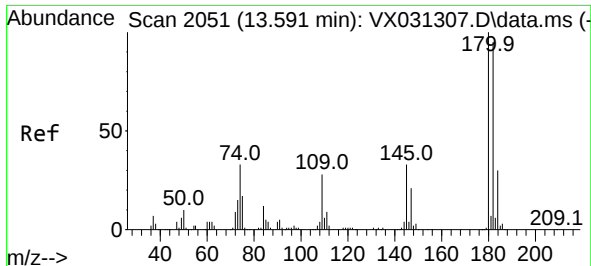
Tgt Ion: 75 Resp: 67921
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.774 min Scan# 1917
Delta R.T. -0.171 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.5 154.5#

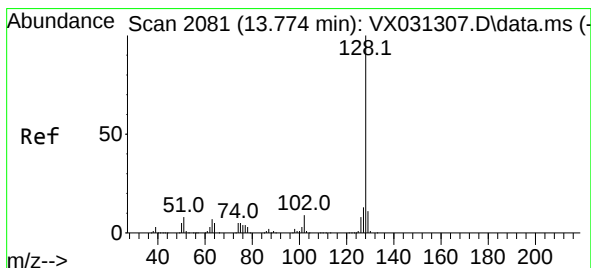
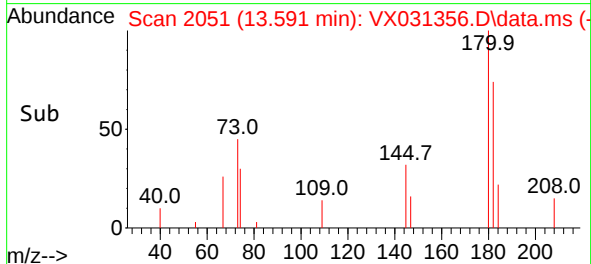
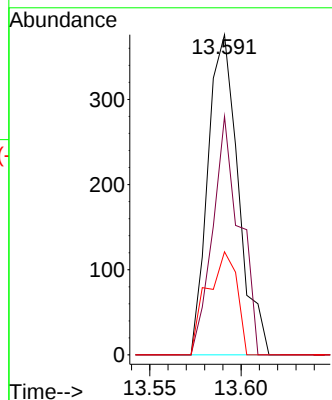
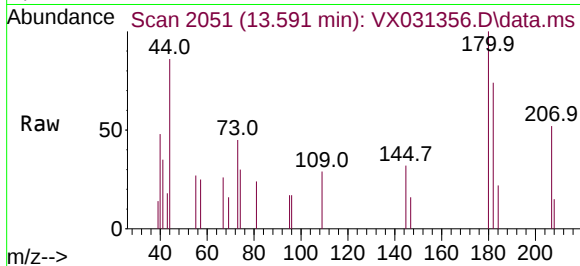




#93
1,2,4-Trichlorobenzene
Concen: 0.375 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

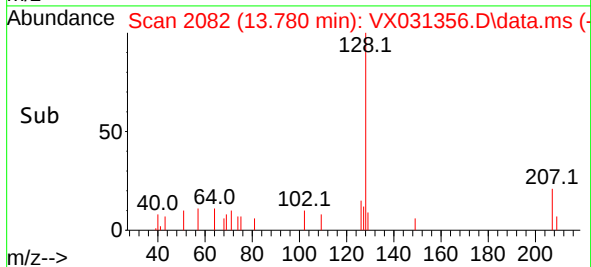
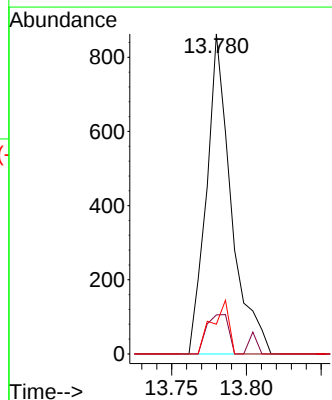
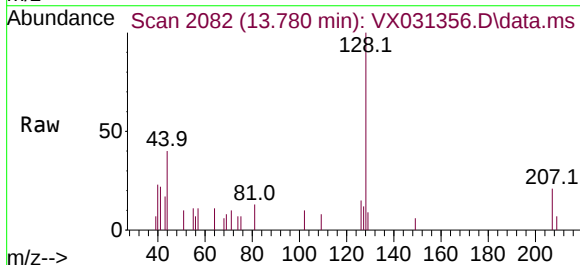
Instrument :
MSVOA_X
ClientSampleId :
CHRT-26524

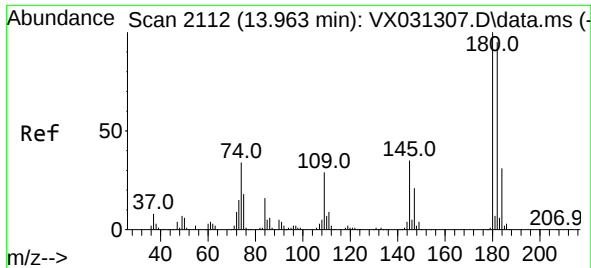
Tgt Ion:180 Resp: 436
Ion Ratio Lower Upper
180 100
182 66.1 46.9 140.6
145 31.4 16.7 50.1



#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031356.D
Acq: 15 Sep 2022 16:11

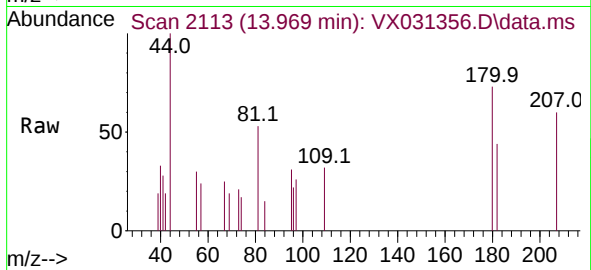
Tgt Ion:128 Resp: 991
Ion Ratio Lower Upper
128 100
127 10.8 10.4 15.6
129 11.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.228 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX031356.D
 Acq: 15 Sep 2022 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-26524



Tgt Ion:180 Resp: 284
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.8
 145 7.0 17.6 52.8#

