

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080720\
 Data File : VX017812.D
 Acq On : 06 Aug 2020 17:47
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 03:11:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 03:10:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	325290	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	311607	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	163309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	117089	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.69	69	93674	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.34	63	242223	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.60%
20) 2-Butanone-d5	4.54	46	283825	47.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.10%
24) Chloroform-d	5.14	84	235185	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	6.03	65	124733	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	6.05	84	455590	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	7.37	67	138492	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	8.70	98	437540	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
45) trans-1,3-Dichloropropene-	8.99	79	57545	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
48) 2-Hexanone-d5	9.43	63	228039	47.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.82%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	94917	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	164661	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	186609	4.934	ug/L 97
3) Chloromethane	1.31	50	153388	4.966	ug/L 96
5) Vinyl chloride	1.39	62	159584	5.209	ug/L 97
6) Bromomethane	1.63	94	97174	5.450	ug/L 93
8) Chloroethane	1.71	64	87358	5.098	ug/L 97
9) Trichlorofluoromethane	1.92	101	249932	5.069	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	138657	5.153	ug/L 98
12) 1,1-Dichloroethene	2.36	96	125685	5.041	ug/L 97
13) Acetone	2.42	43	200045	45.867	ug/L 99
14) Carbon disulfide	2.54	76	446160	4.982	ug/L 99
15) Methyl Acetate	2.75	43	54243	4.218	ug/L 96
16) Methylene chloride	2.83	84	143830	4.176	ug/L 99
17) Methyl tert-butyl Ether	3.17	73	312653	4.683	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	142809	5.048	ug/L 97
19) 1,1-Dichloroethane	3.67	63	254605	5.045	ug/L 99
21) 2-Butanone	4.64	43	332941	44.200	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	149352	5.031	ug/L # 97

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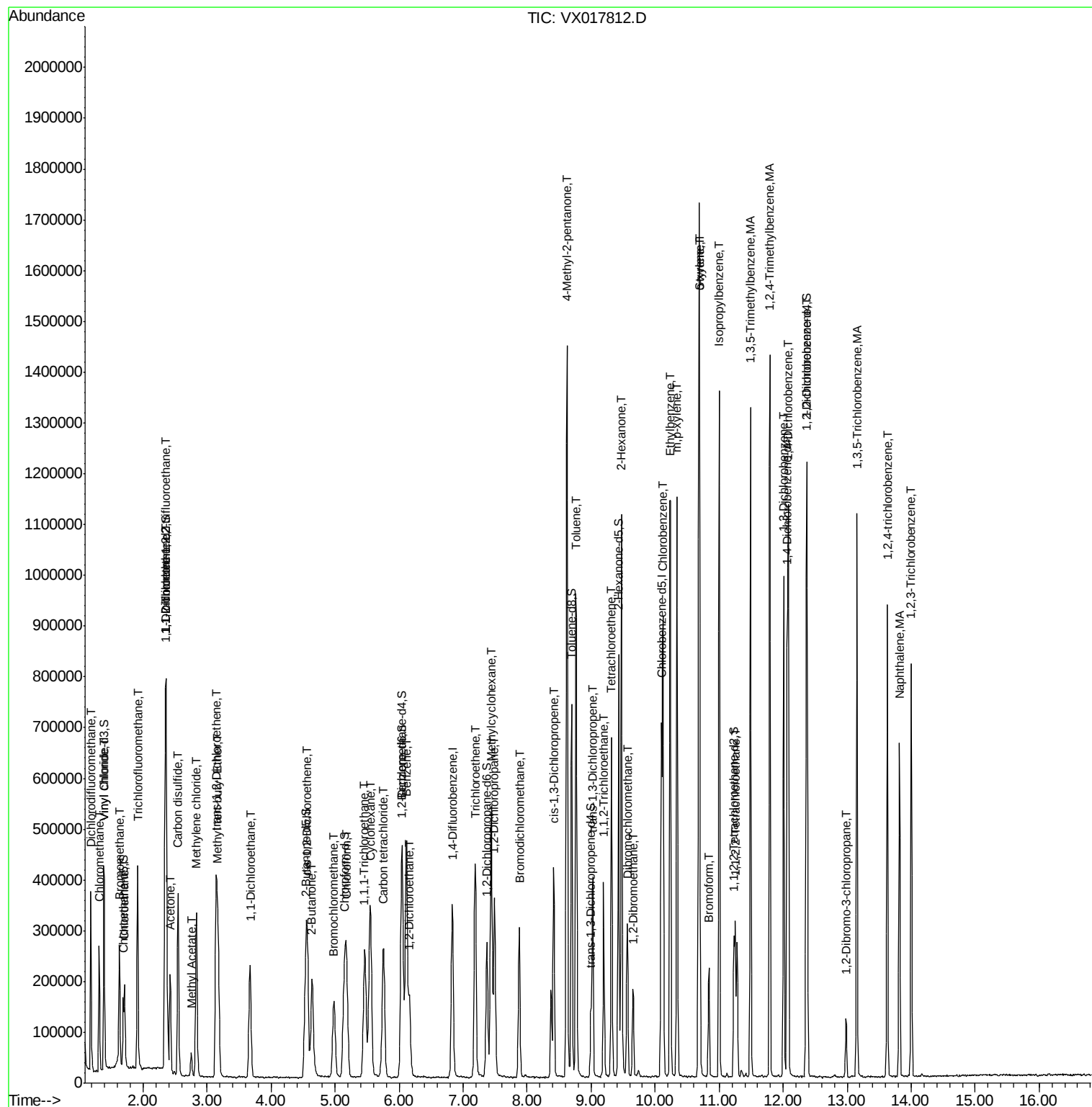
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	69037	4.969	ug/L	93
25) Chloroform	5.18	83	268022	4.931	ug/L	95
27) 1,2-Dichloroethane	6.16	62	165645	4.751	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	253469	4.958	ug/L	99
30) Cyclohexane	5.55	56	233124	5.256	ug/L	97
31) Carbon tetrachloride	5.75	117	237121	5.033	ug/L	98
33) Benzene	6.12	78	563764	5.110	ug/L	100
34) Trichloroethene	7.19	95	163041	5.063	ug/L	97
35) Methylcyclohexane	7.44	83	237297	5.242	ug/L	98
37) 1,2-Dichloropropane	7.49	63	139392	5.025	ug/L	100
38) Bromodichloromethane	7.88	83	188783	4.885	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	209413	4.903	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	832635	46.100	ug/L	99
42) Toluene	8.76	91	614010	5.127	ug/L	97
43) 1,3,5-Trimethylbenzene	11.49	105	586722	5.368	ug/L	100
44) 1,2,4-Trimethylbenzene	11.79	105	588762	5.289	ug/L	98
46) trans-1,3-Dichloropropene	9.02	75	181344	4.760	ug/L	95
47) 1,1,2-Trichloroethane	9.20	97	98572	4.736	ug/L	97
49) Tetrachloroethene	9.32	164	126440	4.908	ug/L	91
50) 2-Hexanone	9.47	43	595699	46.013	ug/L	99
51) Dibromochloromethane	9.57	129	134205	4.681	ug/L	94
52) 1,2-Dibromoethane	9.65	107	97754	4.797	ug/L #	95
53) Chlorobenzene	10.12	112	394606	5.062	ug/L	99
54) Ethylbenzene	10.24	91	669089	5.120	ug/L	99
55) m,p-xylene	10.34	106	259371	5.198	ug/L	97
56) o-xylene	10.68	106	251251	5.193	ug/L	96
57) Styrene	10.70	104	422024	5.158	ug/L	98
58) Isopropylbenzene	11.00	105	677378	5.231	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.25	83	105404	4.611	ug/L	98
62) Bromoform	10.84	173	78845	4.827	ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	328956	5.172	ug/L	99
64) 1,4-Dichlorobenzene	12.08	146	331778	5.244	ug/L	97
66) 1,2-Dichlorobenzene	12.37	146	309410	5.238	ug/L	94
67) 1,2-Dibromo-3-chloropropan	12.98	75	22622	4.408	ug/L	96
68) 1,3,5-Trichlorobenzene	13.15	180	251520	5.355	ug/L	97
69) 1,2,4-trichlorobenzene	13.63	180	211437	5.085	ug/L	99
70) Naphthalene	13.82	128	383598	5.022	ug/L	98
71) 1,2,3-Trichlorobenzene	14.00	180	205980	5.265	ug/L	98

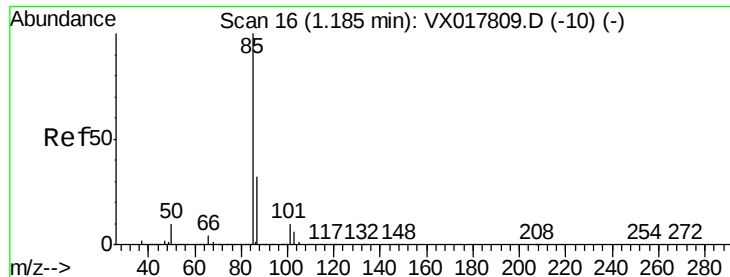
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.934 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

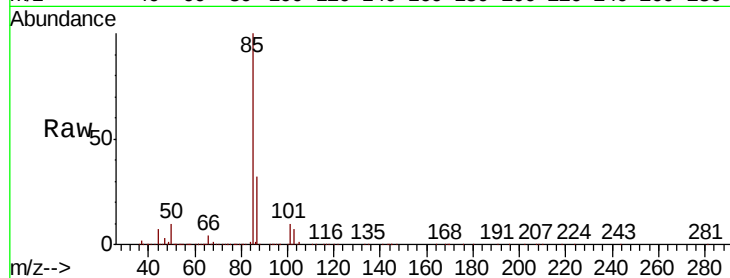
ClientSampleId :

Tot Ion: 85 Resp: 186609

Ion Ratio Lower Upper

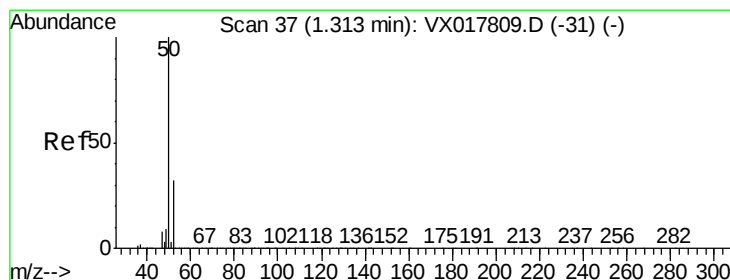
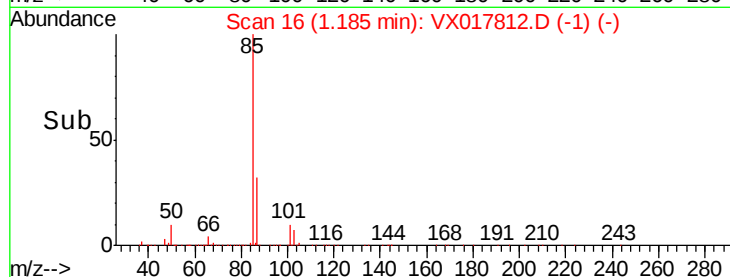
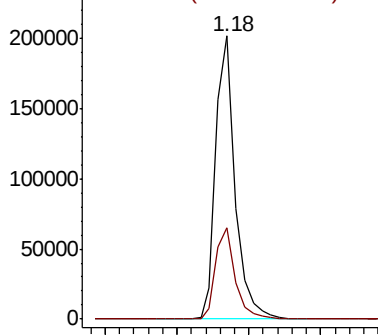
85 100

87 33.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 4.966 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017812.D

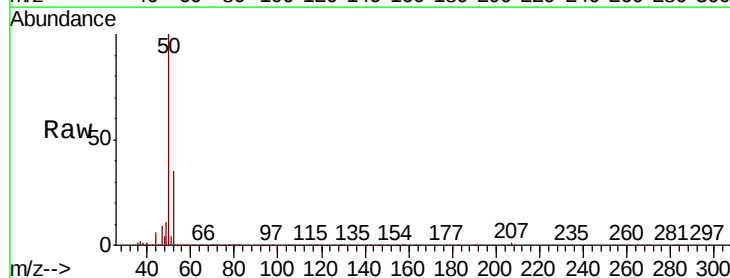
Acq: 06 Aug 2020 17:47

Tgt Ion: 50 Resp: 153388

Ion Ratio Lower Upper

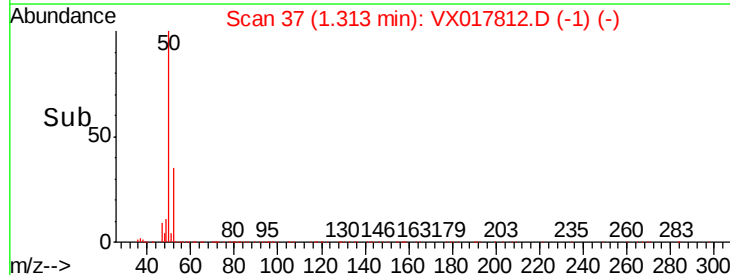
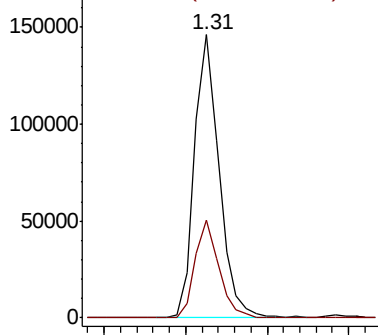
50 100

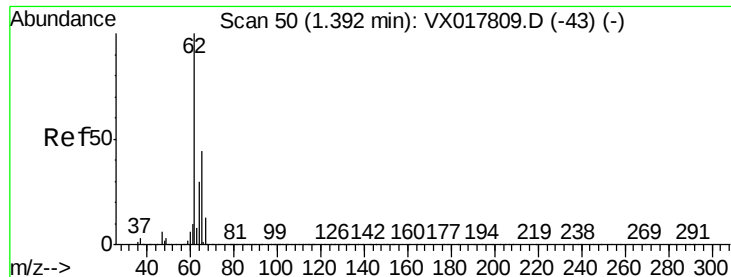
52 34.7 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 5.209 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

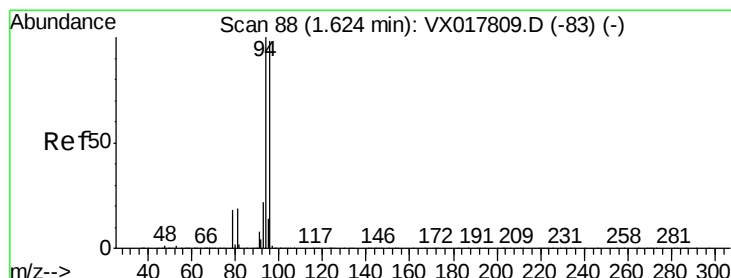
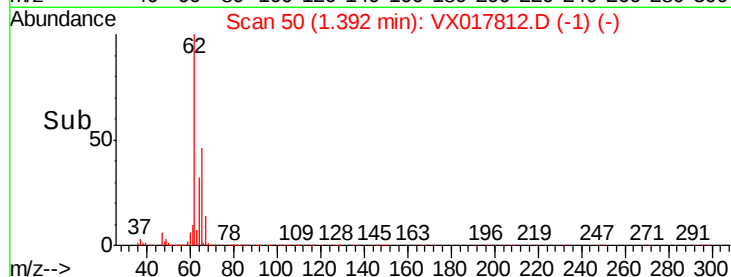
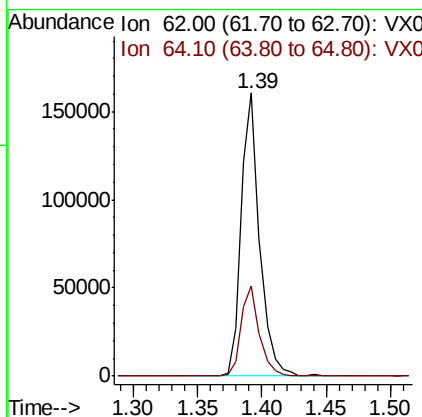
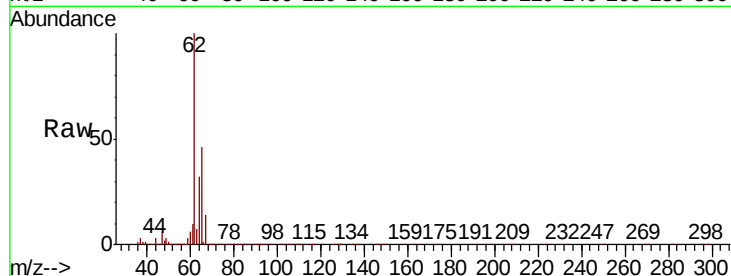
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 62 Resp: 159584

Ion Ratio Lower Upper

62 100

64 32.0 21.3 39.6



#6

Bromomethane

Concen: 5.450 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017812.D

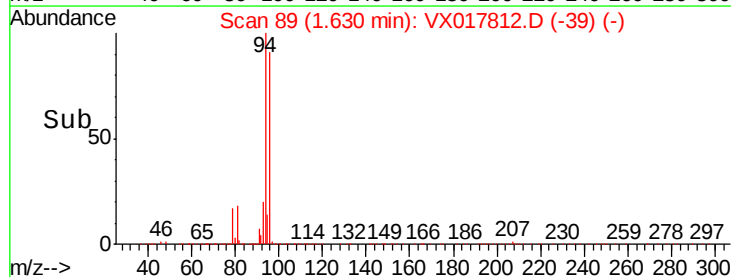
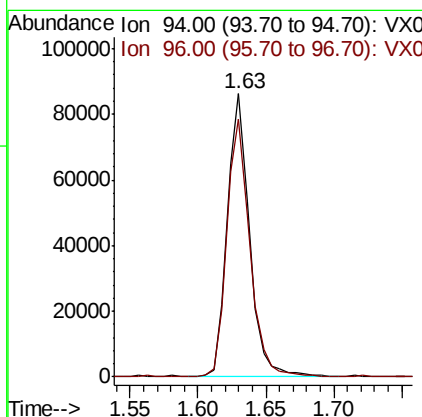
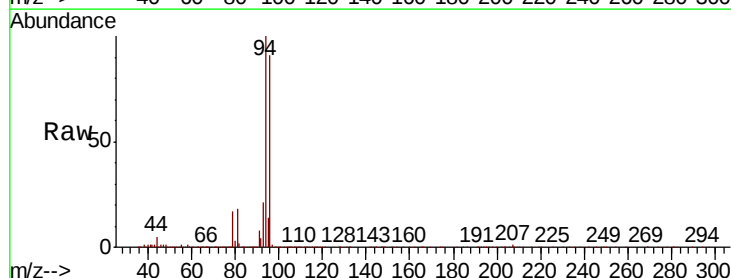
Acq: 06 Aug 2020 17:47

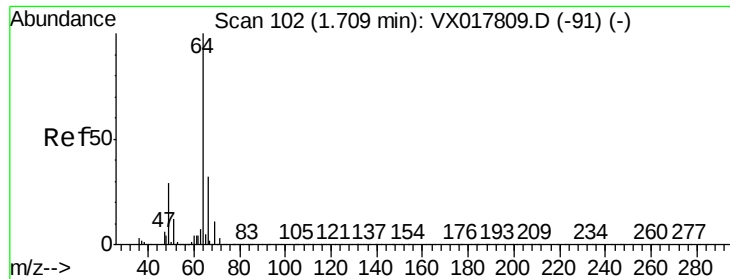
Tgt Ion: 94 Resp: 97174

Ion Ratio Lower Upper

94 100

96 90.9 68.5 127.1





#8

Chloroethane

Concen: 5.098 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

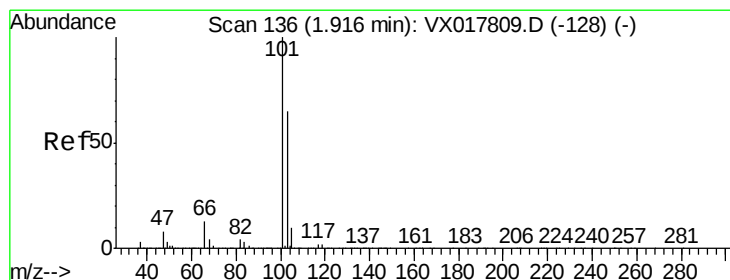
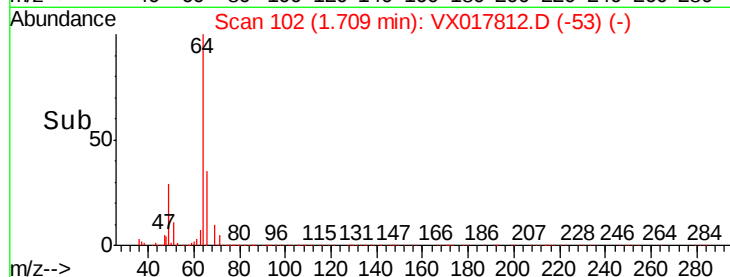
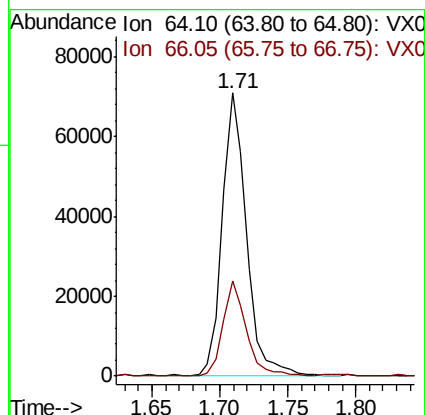
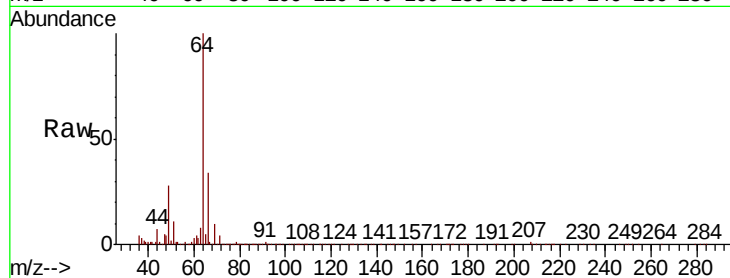
ClientSampleId :

Tot Ion: 64 Resp: 87358

Ion Ratio Lower Upper

64 100

66 33.7 22.6 42.0



#9

Trichlorofluoromethane

Concen: 5.069 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX017812.D

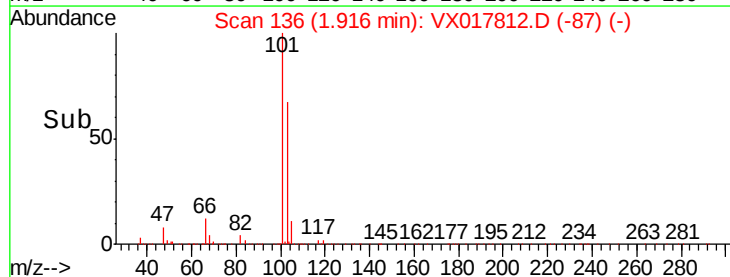
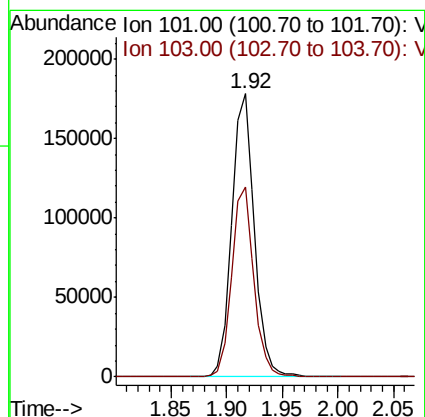
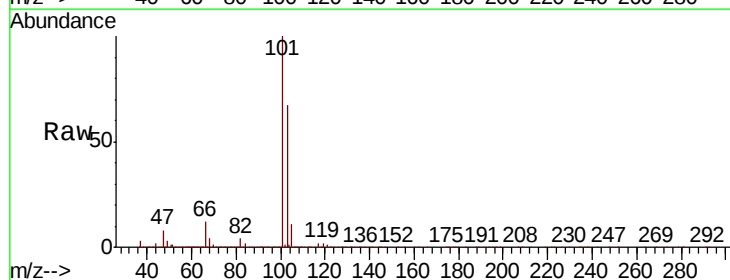
Acq: 06 Aug 2020 17:47

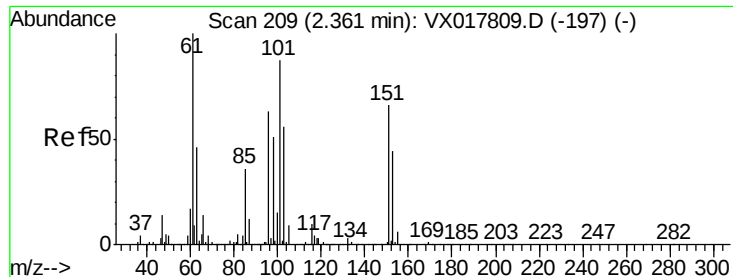
Tgt Ion: 101 Resp: 249932

Ion Ratio Lower Upper

101 100

103 65.4 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.153 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017812.D

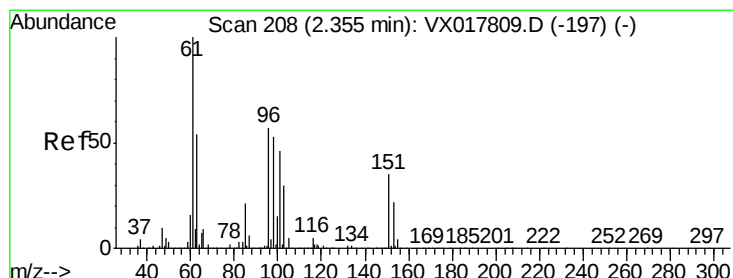
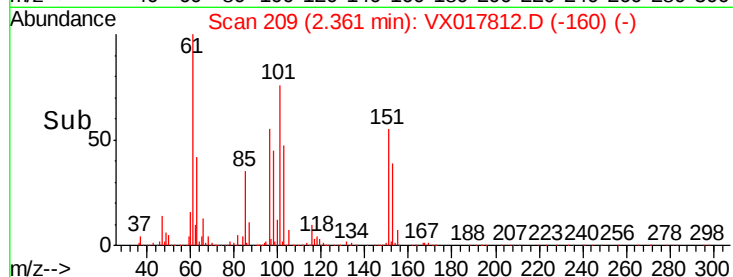
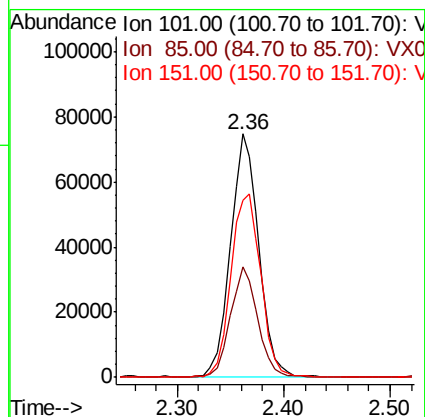
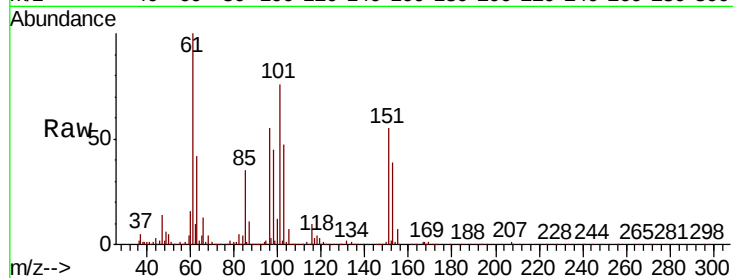
Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	138657
Ion	Ratio	Lower	Upper
101	100		
85	44.3	34.3	51.5
151	80.0	64.8	97.2



#12

1,1-Dichloroethene

Concen: 5.041 ug/L

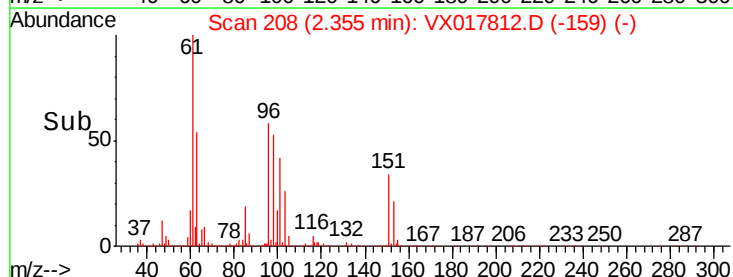
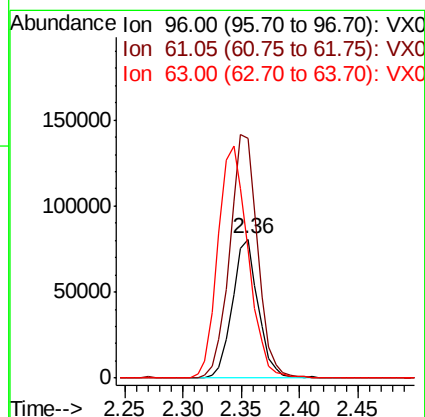
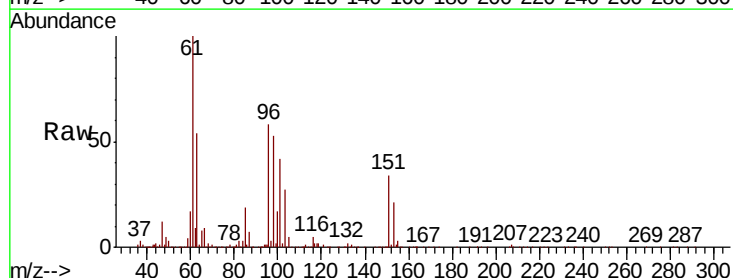
RT: 2.36 min Scan# 208

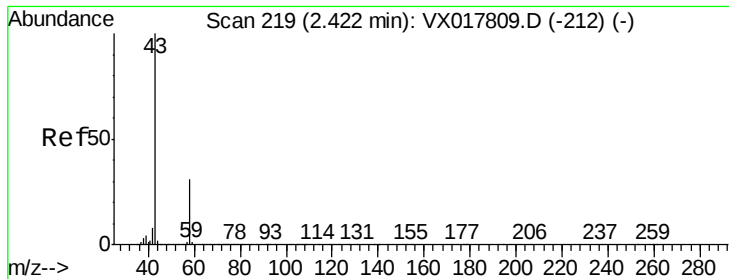
Delta R.T. 0.00 min

Lab File: VX017812.D

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Tgt Ion:	96	Resp:	125685
Ion	Ratio	Lower	Upper
96	100		
61	172.3	123.5	229.3
63	92.6	67.0	124.4





#13

Acetone

Concen: 45.867 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

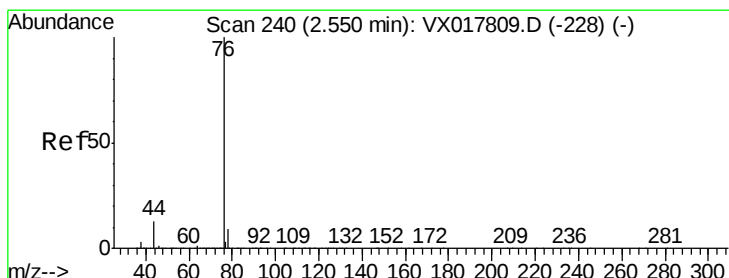
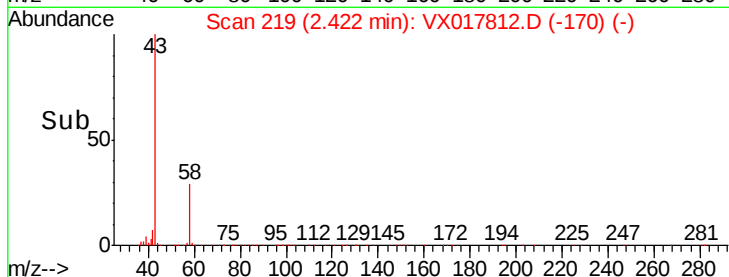
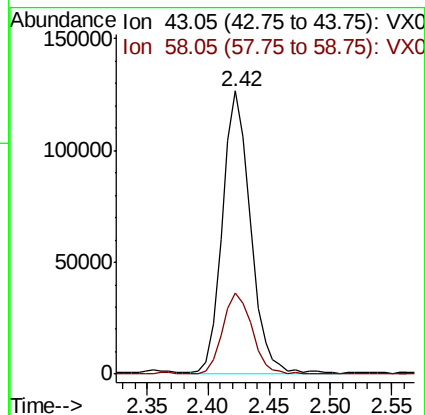
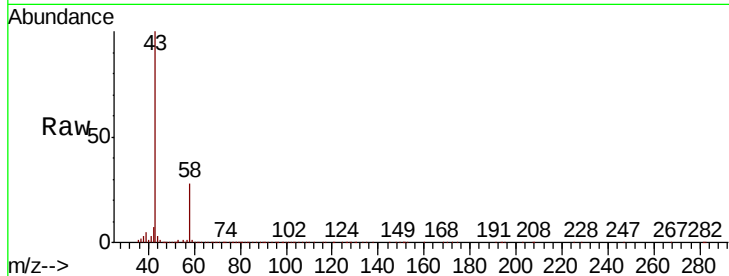
ClientSampleId :

Tot Ion: 43 Resp: 200045

Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.8



#14

Carbon disulfide

Concen: 4.982 ug/L

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017812.D

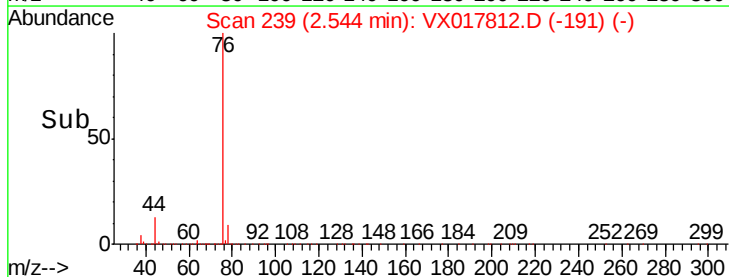
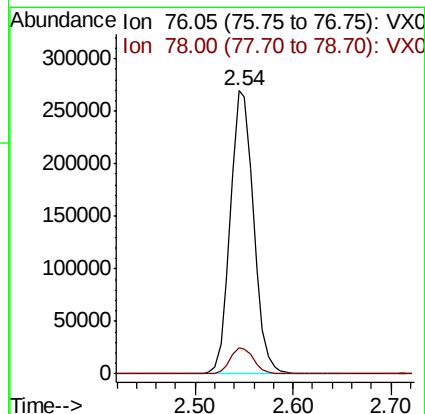
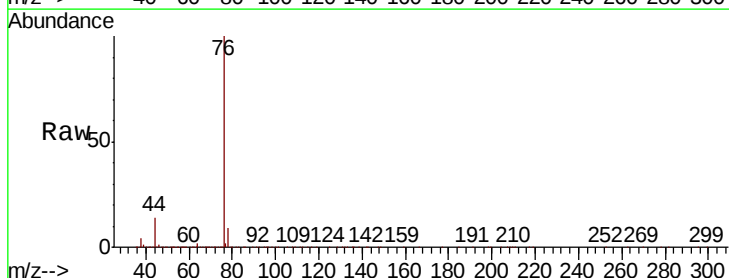
Acq: 06 Aug 2020 17:47

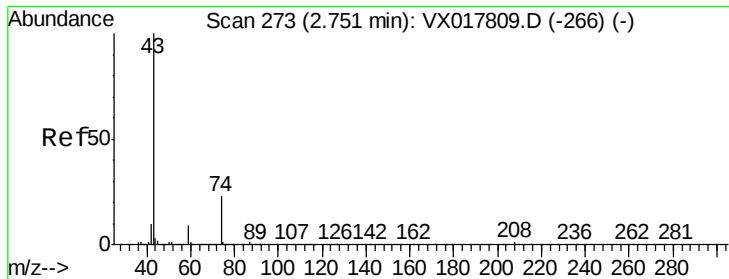
Tgt Ion: 76 Resp: 446160

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4





#15

Methyl Acetate

Concen: 4.218 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

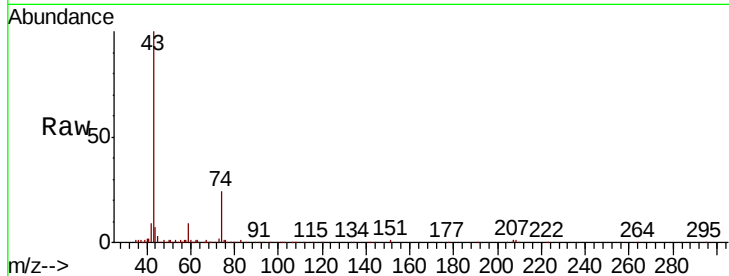
ClientSampleId :

Tot Ion: 43 Resp: 54243

Ion Ratio Lower Upper

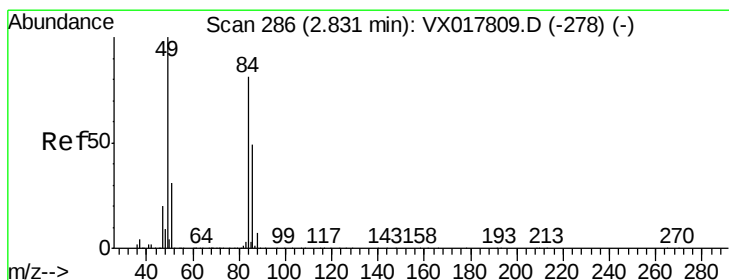
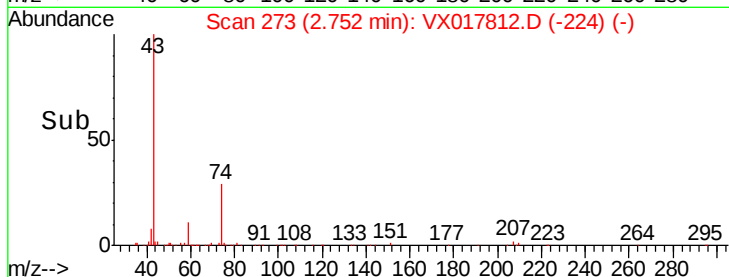
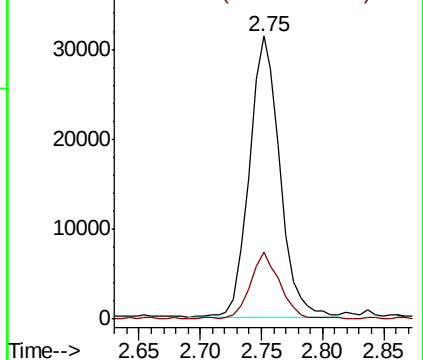
43 100

74 23.4 20.4 30.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 4.176 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

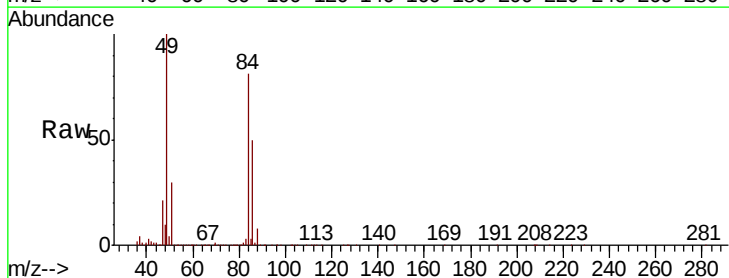
Tgt Ion: 84 Resp: 143830

Ion Ratio Lower Upper

84 100

86 62.0 43.0 80.0

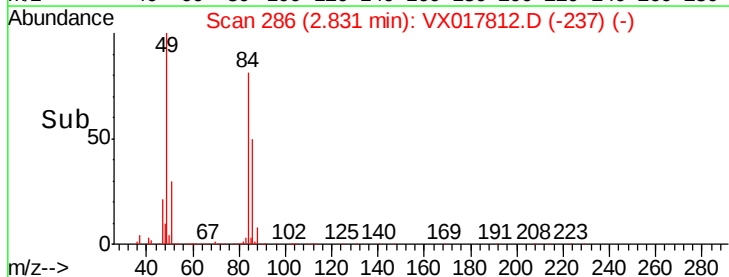
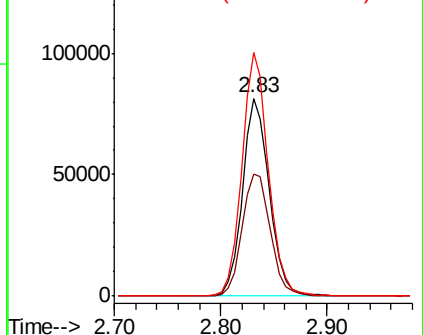
49 123.1 86.9 161.3

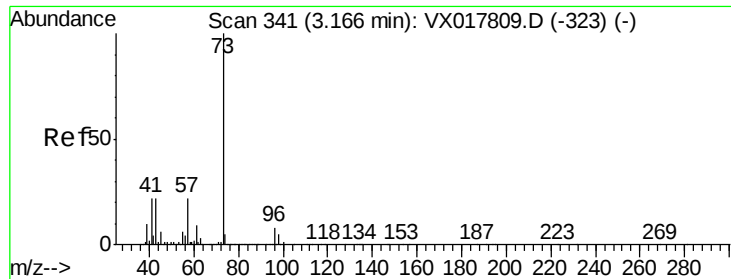


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

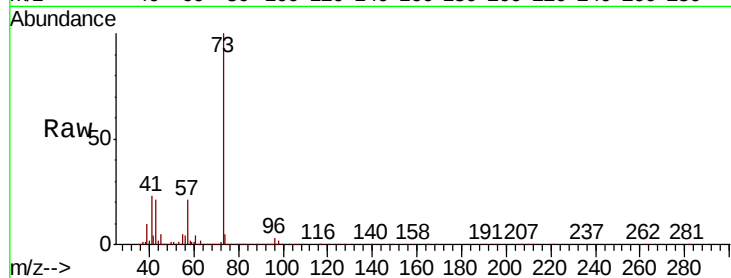




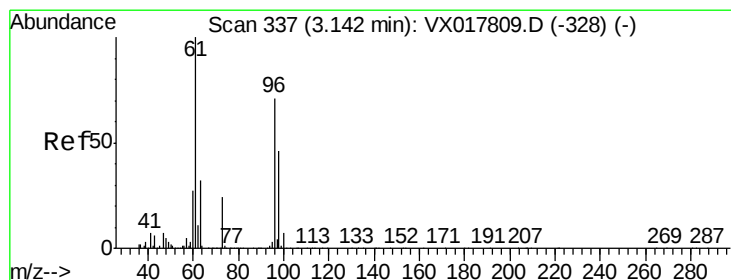
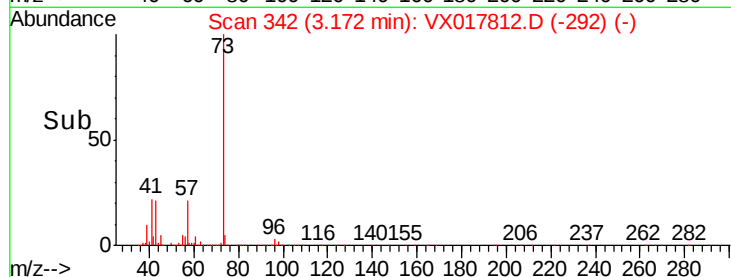
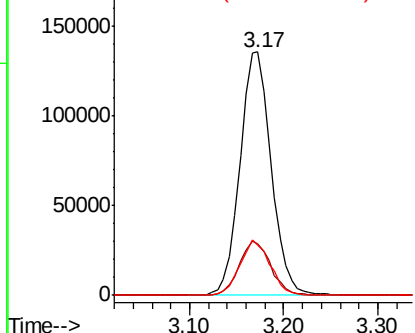
#17
Methvl tert-butvl Ether
Concen: 4.683 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 312653
Ion Ratio Lower Upper
73 100
43 22.3 17.7 26.5
57 22.1 17.0 25.6

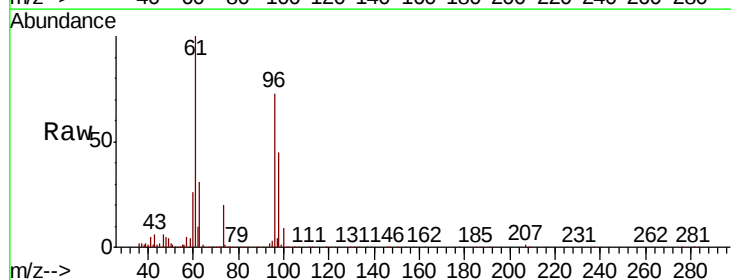


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

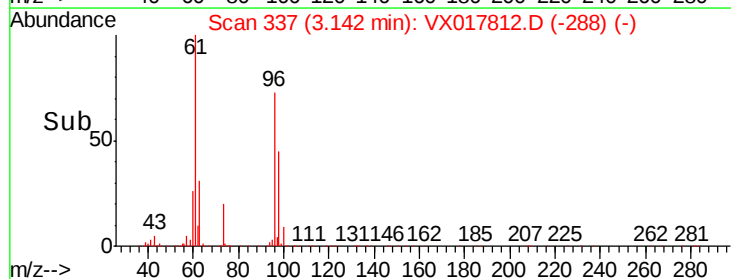
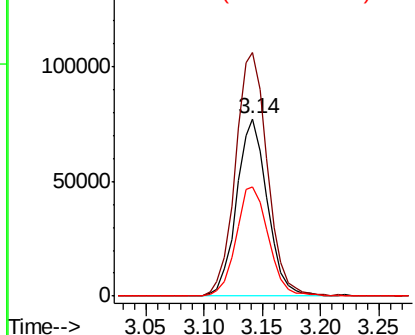


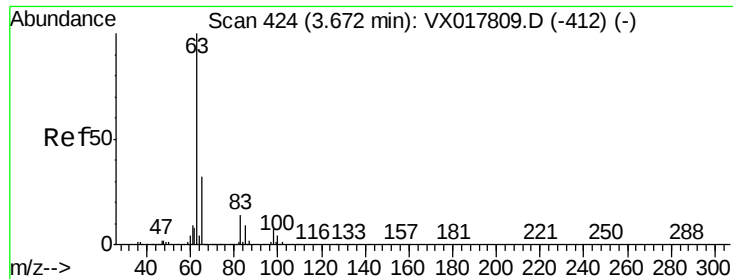
#18
trans-1,2-Dichloroethene
Concen: 5.048 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion: 96 Resp: 142809
Ion Ratio Lower Upper
96 100
61 137.1 98.4 182.8
98 61.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 97.95 (97.65 to 98.65): VX0

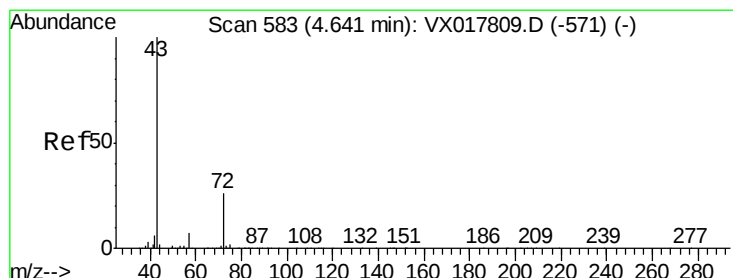
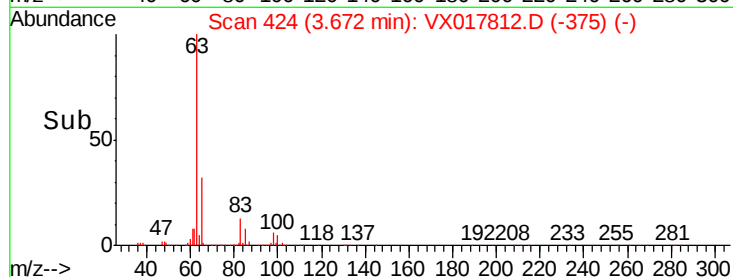
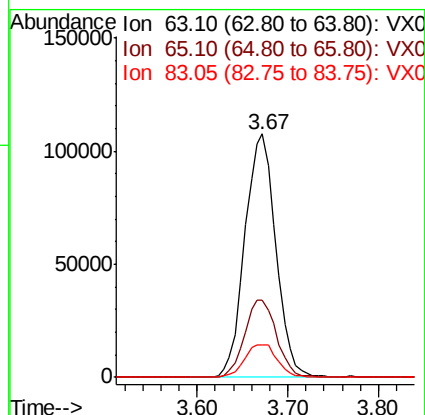
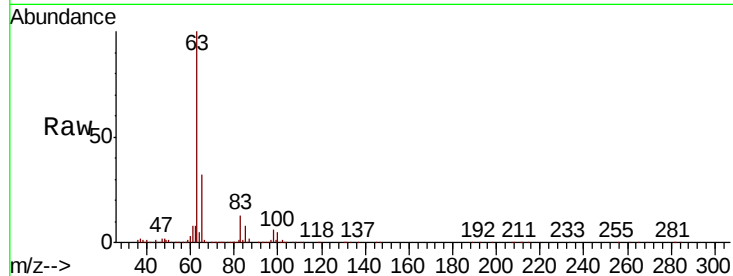




#19
 1,1-Dichloroethane
 Concen: 5.045 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

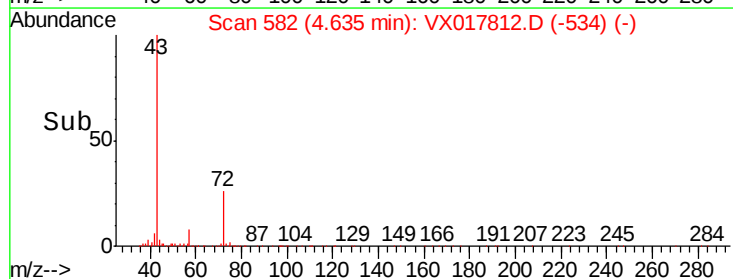
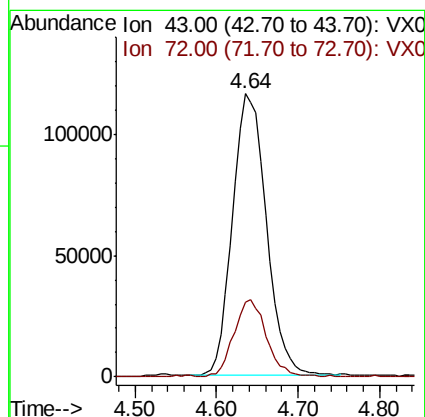
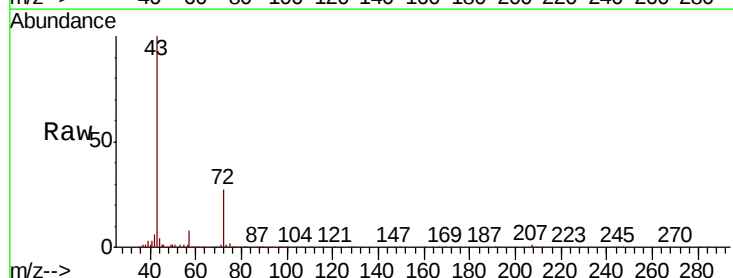
Instrument :
 MSVOA_X
 ClientSampleId :

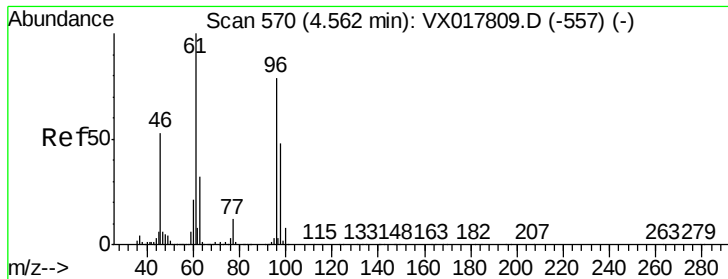
Tot Ion: 63 Resp: 254605
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.6 42.0
 83 13.4 9.5 17.7



#21
 2-Butanone
 Concen: 44.200 ug/L
 RT: 4.64 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Tgt Ion: 43 Resp: 332941
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.2 39.6



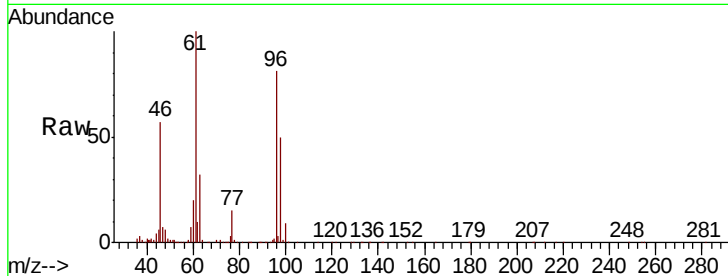


#22

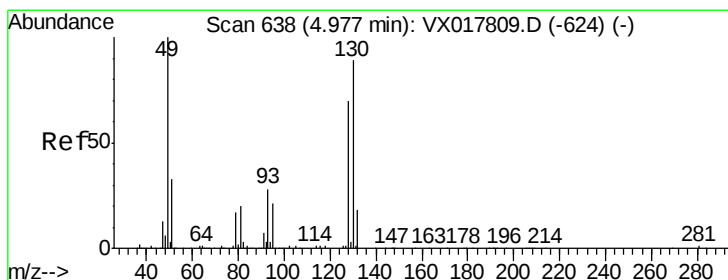
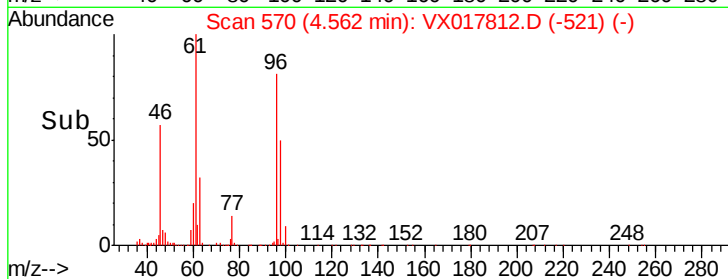
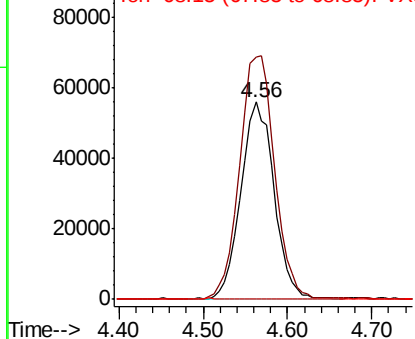
cis-1,2-Dichloroethene
Concen: 5.031 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.1	88.8	165.0
68	0.0	0.2	0.4



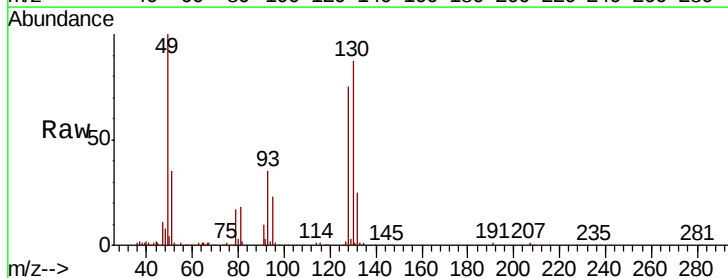
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



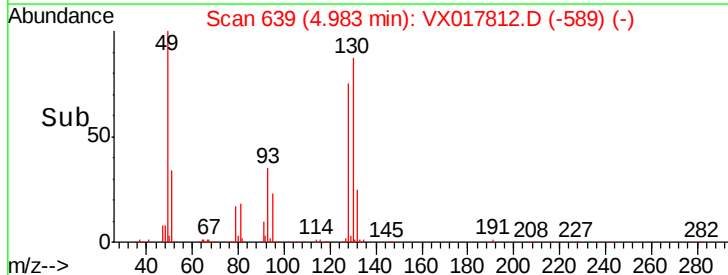
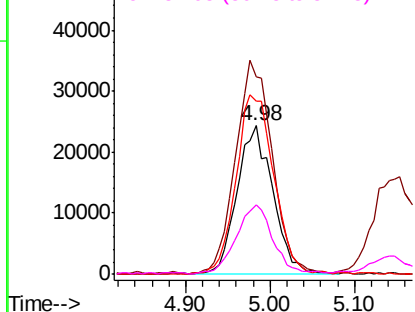
#23

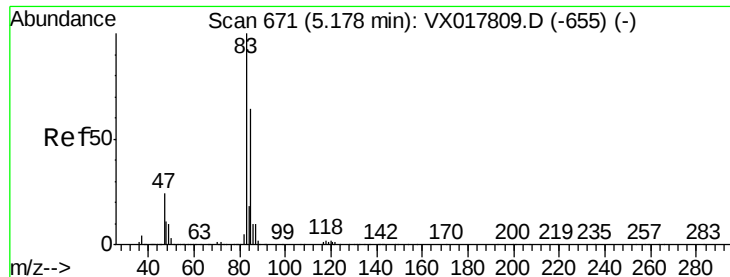
Bromochloromethane
Concen: 4.969 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion	Ratio	Lower	Upper
128	100		
49	133.2	100.2	186.0
130	116.4	89.1	165.5
51	46.4	37.2	55.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VX0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VX0

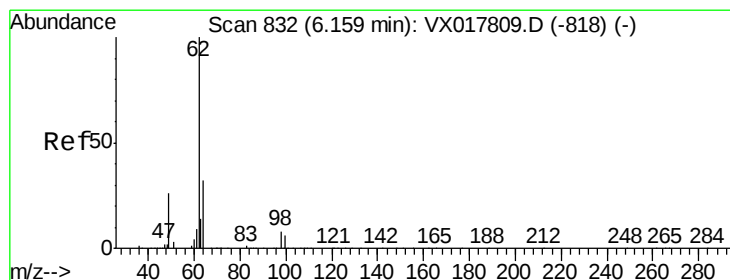
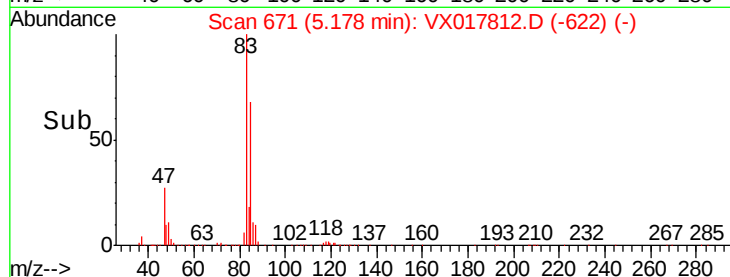
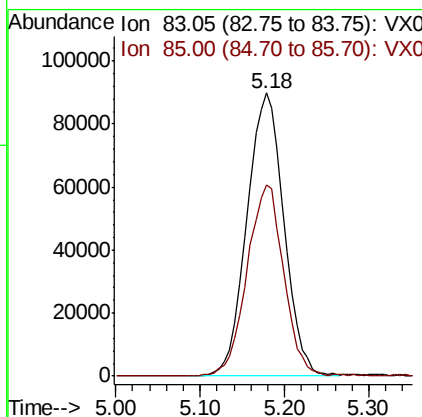
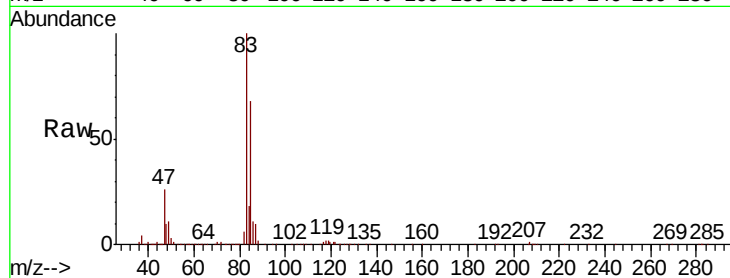




#25
Chloroform
Concen: 4.931 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

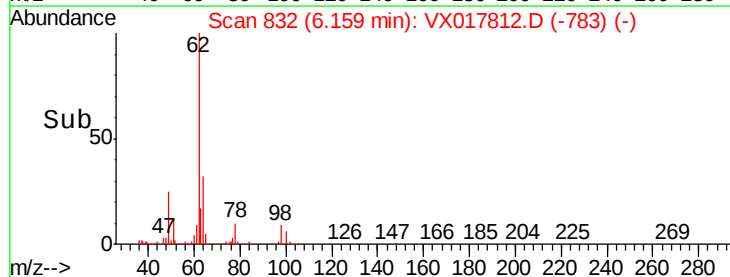
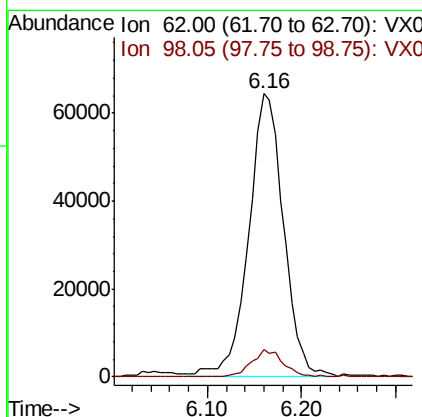
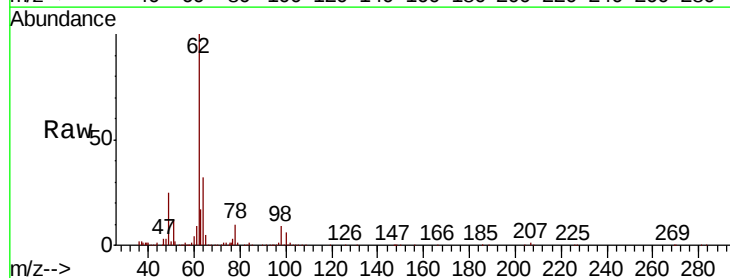
Instrument :
MSVOA_X
ClientSampled :

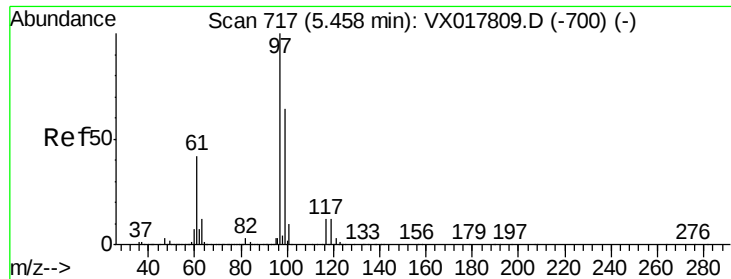
Tot Ion: 83 Resp: 268022
Ion Ratio Lower Upper
83 100
85 67.5 44.7 83.1



#27
1,2-Dichloroethane
Concen: 4.751 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion: 62 Resp: 165645
Ion Ratio Lower Upper
62 100
98 9.5 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 4.958 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

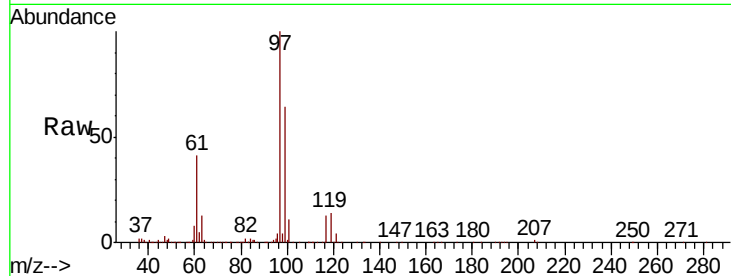
Tot Ion: 97 Resp: 253469

Ion Ratio Lower Upper

97 100

99 65.7 52.2 78.2

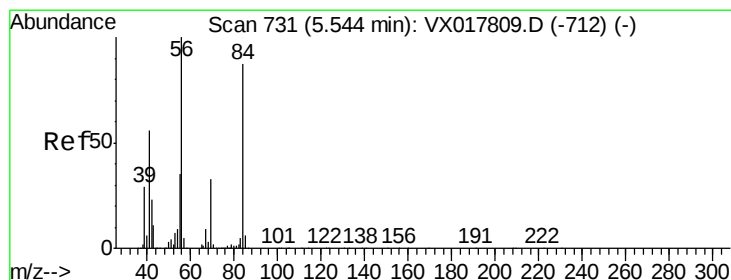
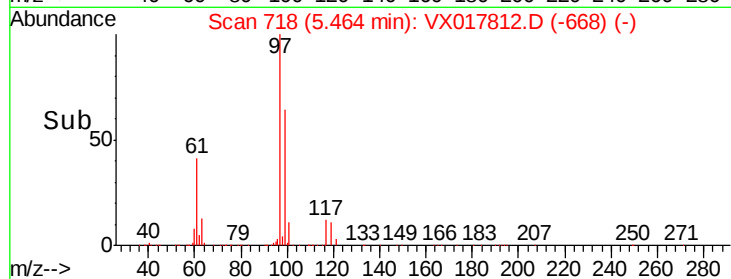
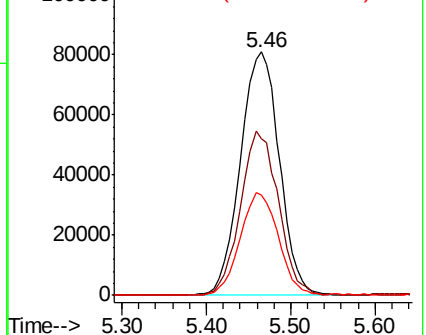
61 41.5 33.8 50.6



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30

Cyclohexane

Concen: 5.256 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

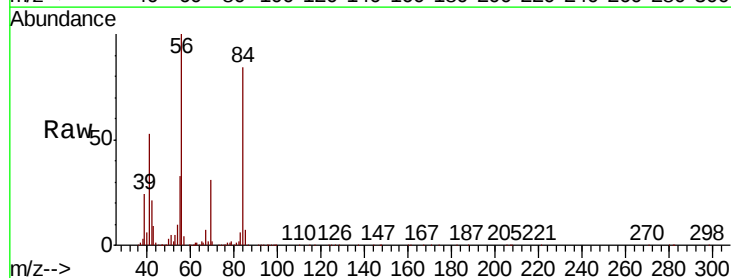
Tgt Ion: 56 Resp: 233124

Ion Ratio Lower Upper

56 100

69 31.5 25.1 37.7

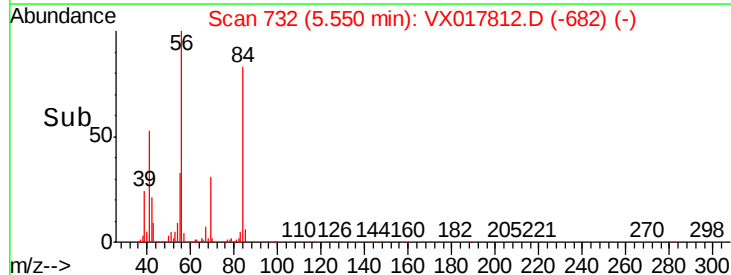
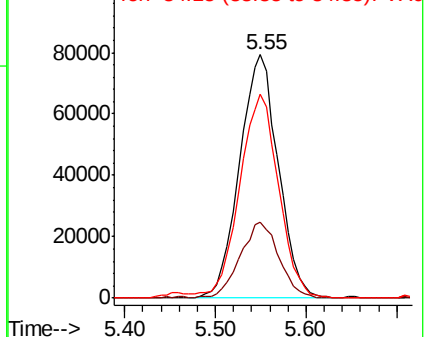
84 84.6 70.7 106.1

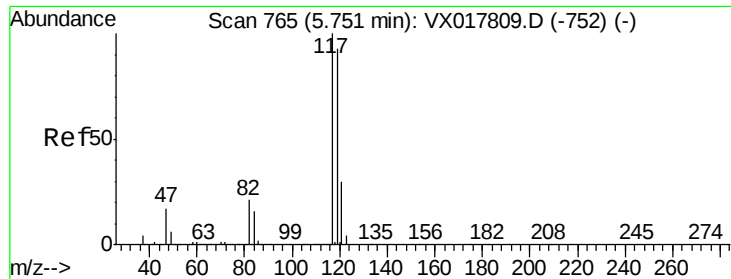


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0

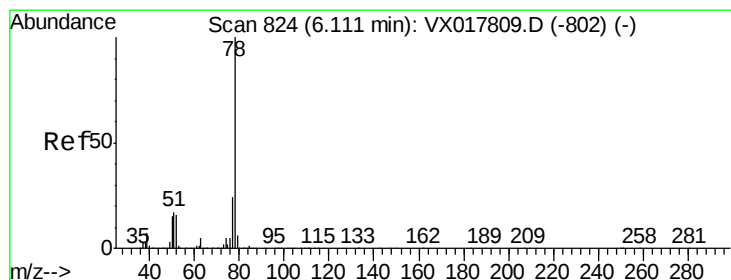
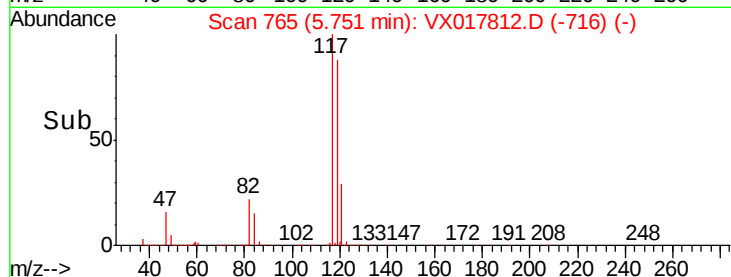
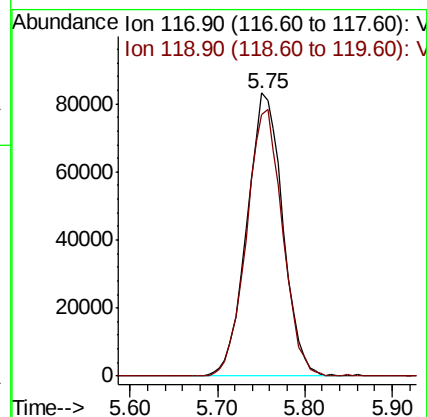
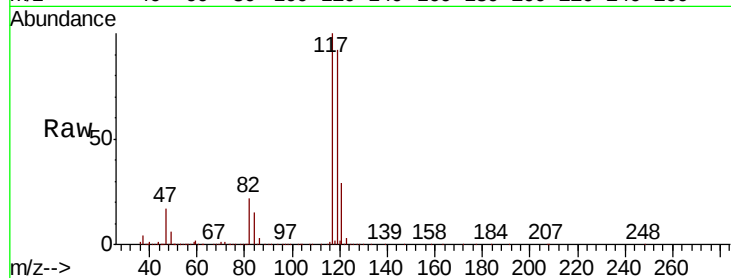




#31
Carbon tetrachloride
Concen: 5.033 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

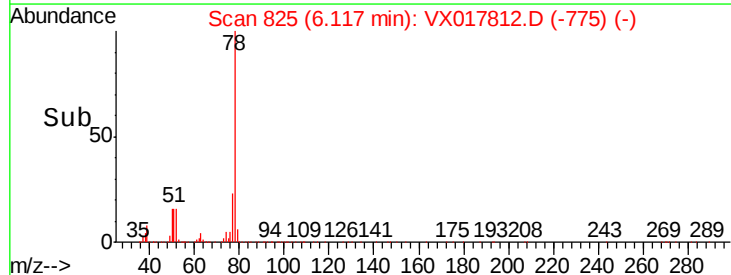
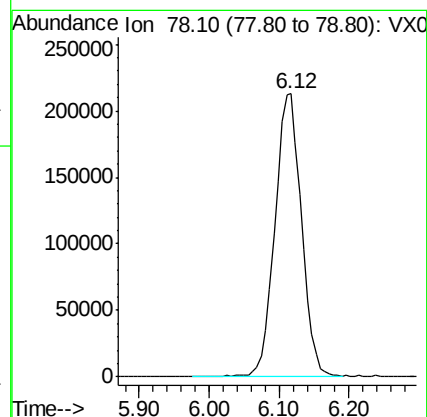
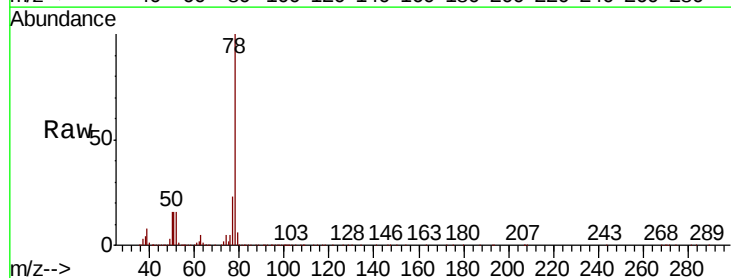
Instrument :
MSVOA_X
ClientSampleId :

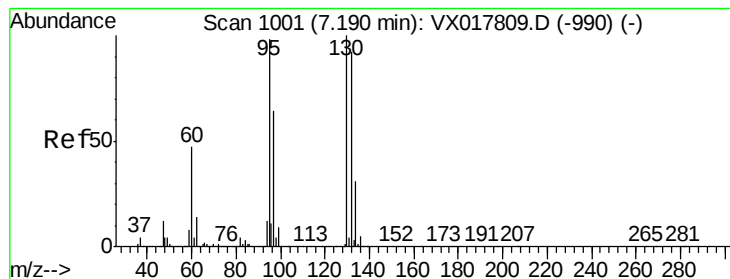
Tot Ion:117 Resp: 237121
Ion Ratio Lower Upper
117 100
119 94.7 77.6 116.4



#33
Benzene
Concen: 5.110 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion: 78 Resp: 563764





#34

Trichloroethene

Concen: 5.063 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 163041

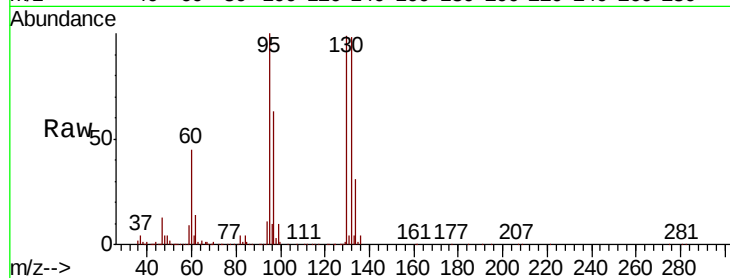
Ion Ratio Lower Upper

95 100

97 63.5 46.1 85.5

132 97.6 66.0 122.6

130 99.0 71.7 133.1



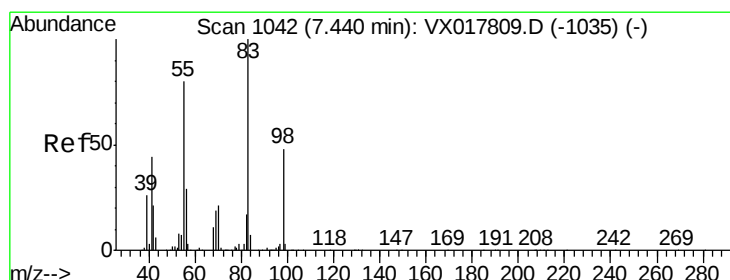
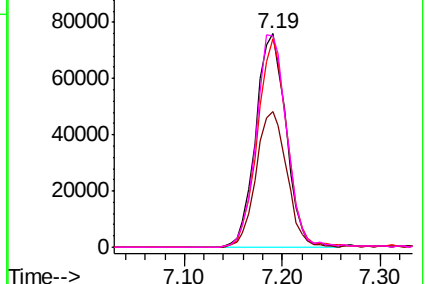
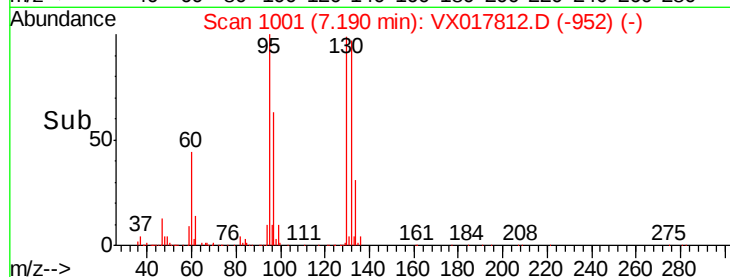
Abundance

Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.242 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

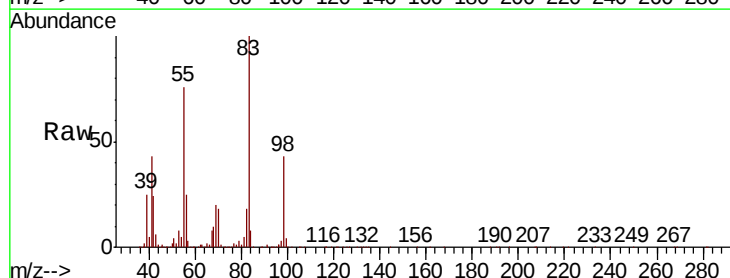
Tgt Ion: 83 Resp: 237297

Ion Ratio Lower Upper

83 100

55 76.5 62.4 93.6

98 45.7 38.0 57.0

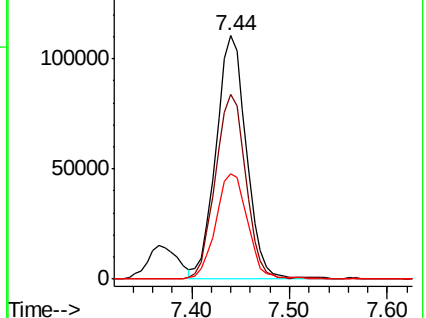
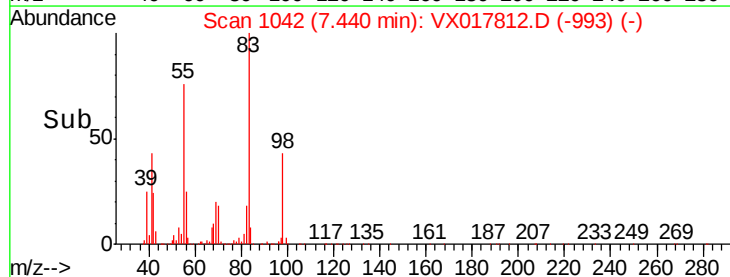


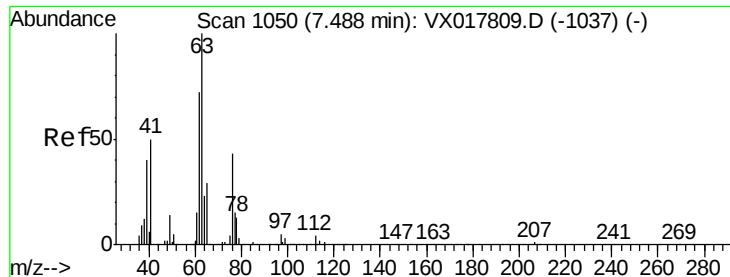
Abundance

Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

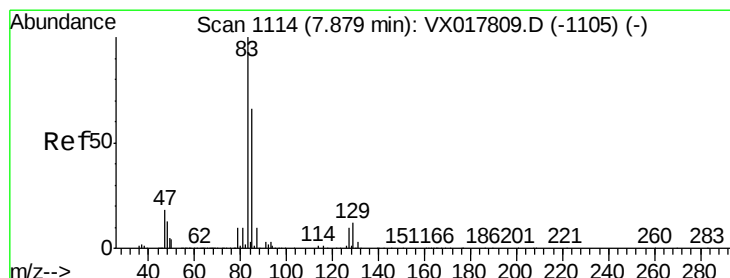
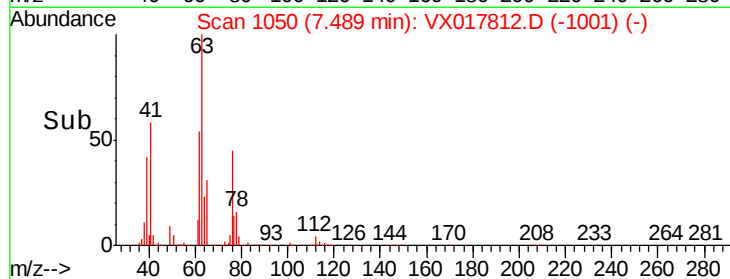
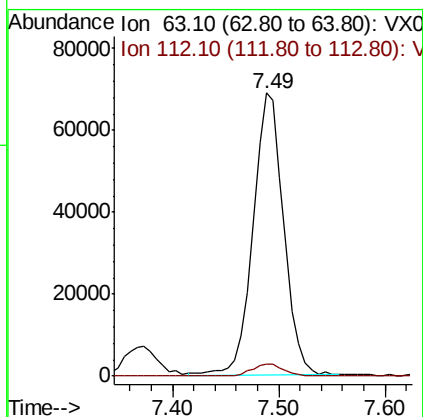
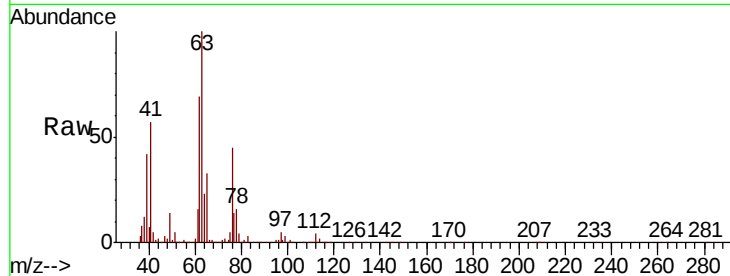




#37
 1,2-Dichloropropane
 Concen: 5.025 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

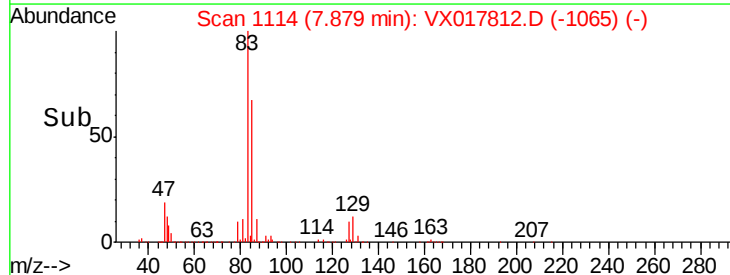
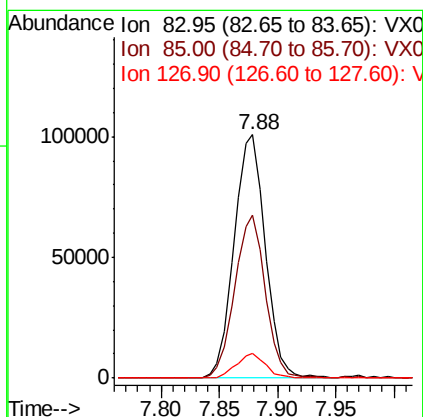
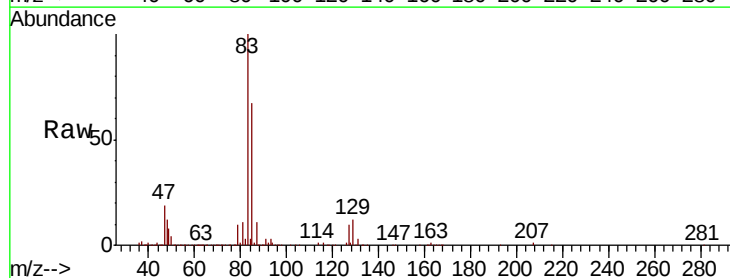
Instrument :
 MSVOA_X
 ClientSampled :

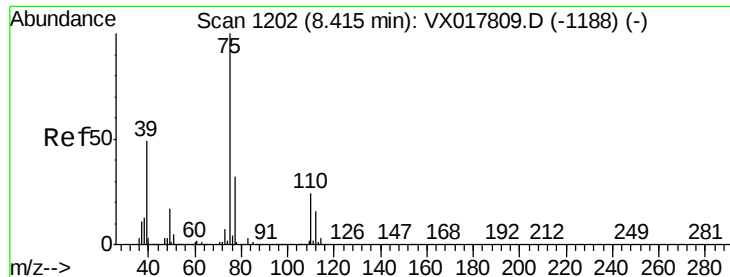
Tot Ion: 63 Resp: 139392
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.885 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Tgt Ion: 83 Resp: 188783
 Ion Ratio Lower Upper
 83 100
 85 67.0 45.9 85.3
 127 10.1 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 4.903 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

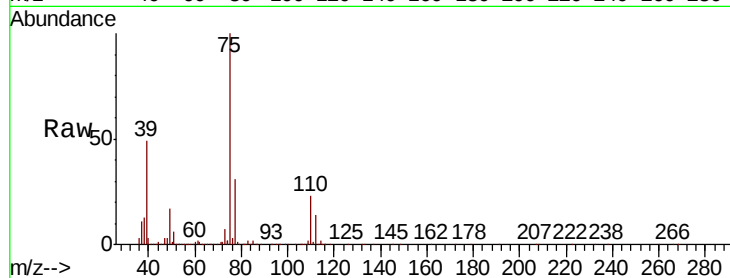
ClientSampled :

Tot Ion: 75 Resp: 209413

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.42

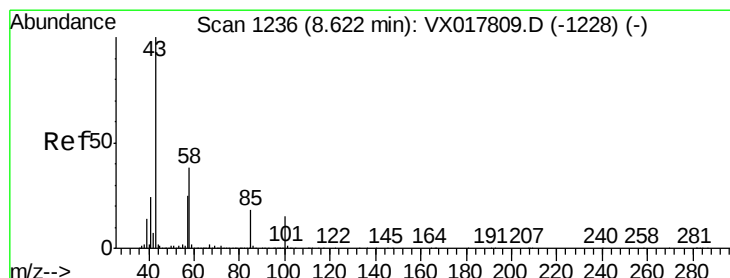
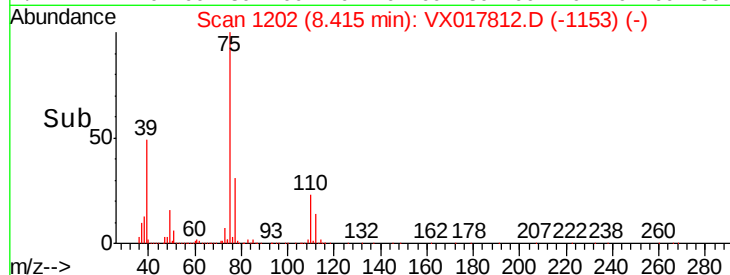
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 46.100 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

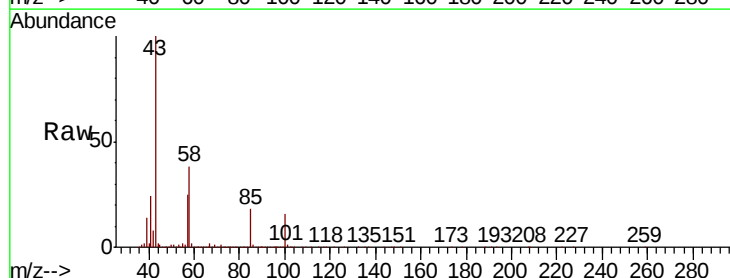
Tgt Ion: 43 Resp: 832635

Ion Ratio Lower Upper

43 100

58 38.1 31.1 46.7

100 15.4 12.2 18.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): V

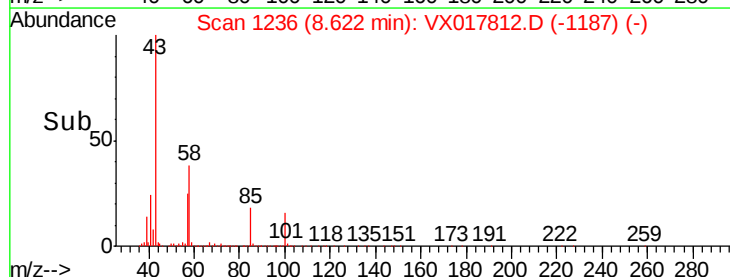
600000

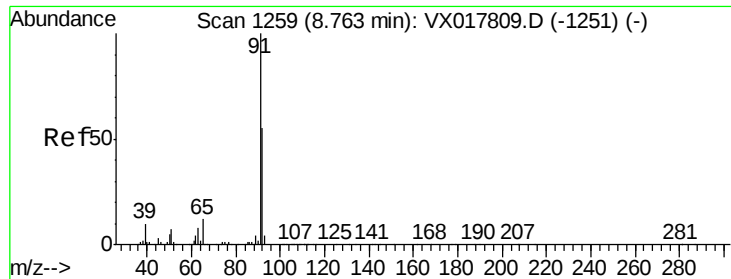
400000

200000

0

Time-->





#42

Toluene

Concen: 5.127 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

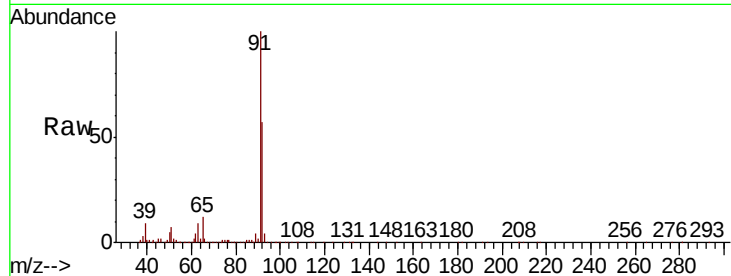
ClientSampleId :

Tot Ion: 91 Resp: 614010

Ion Ratio Lower Upper

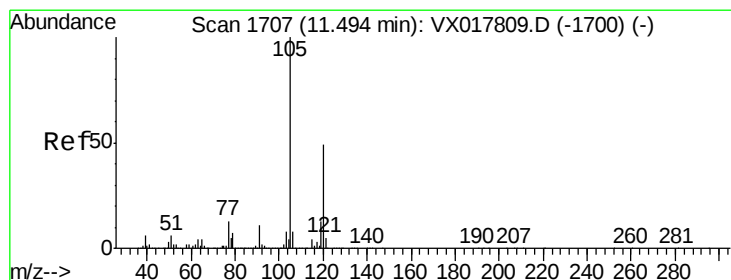
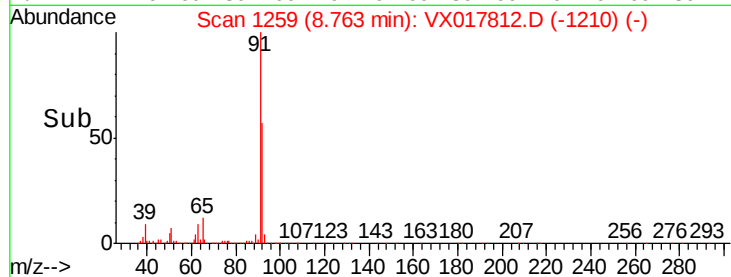
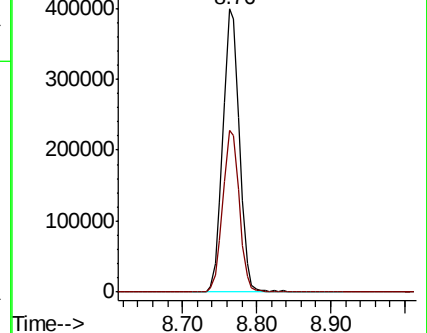
91 100

92 57.3 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#43

1,3,5-Trimethylbenzene

Concen: 5.368 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017812.D

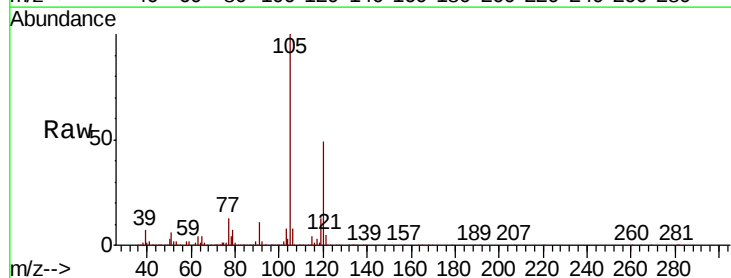
Acq: 06 Aug 2020 17:47

Tgt Ion:105 Resp: 586722

Ion Ratio Lower Upper

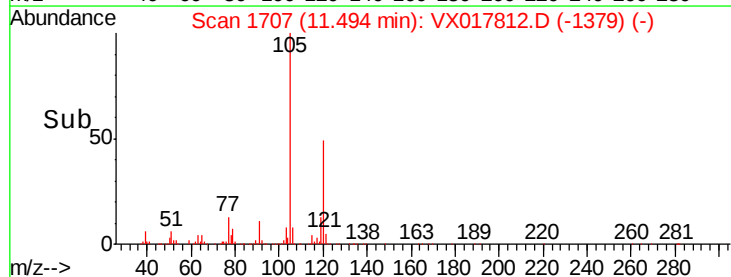
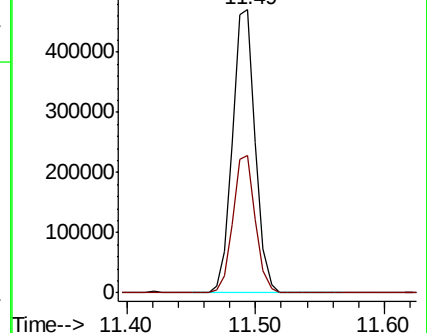
105 100

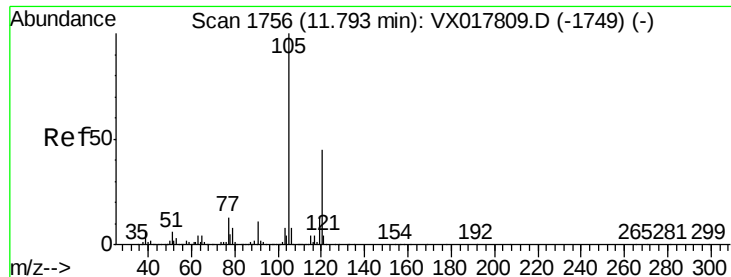
120 47.8 38.1 57.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

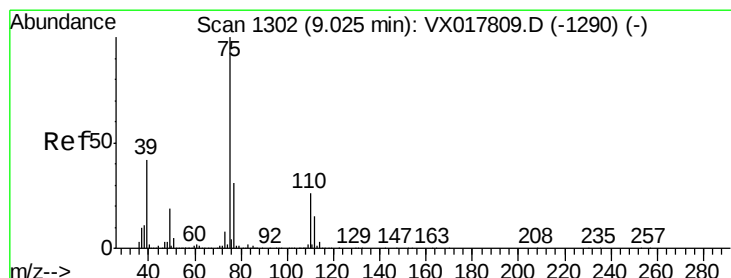
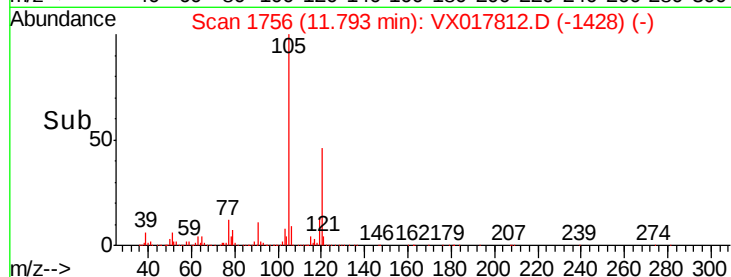
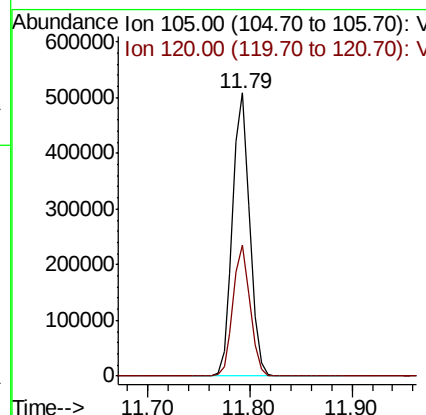
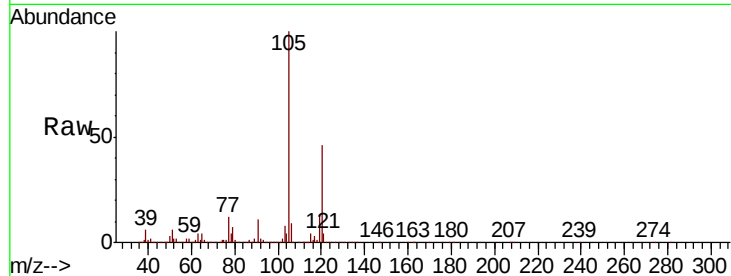




#44
 1,2,4-Trimethylbenzene
 Concen: 5.289 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

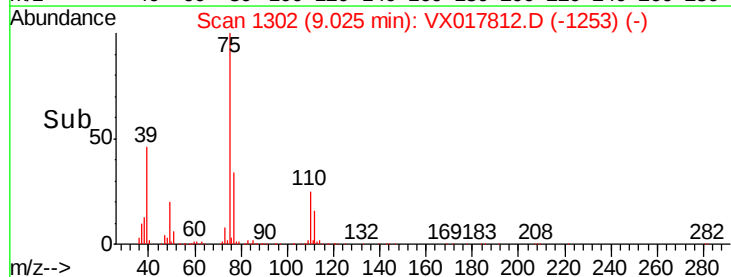
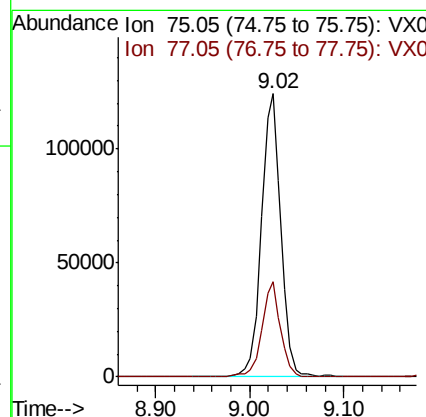
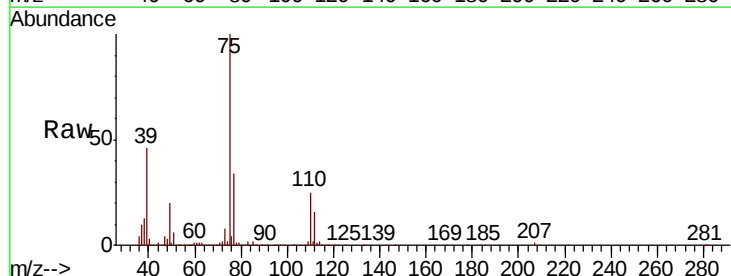
Instrument :
 MSVOA_X
 ClientSampleId :

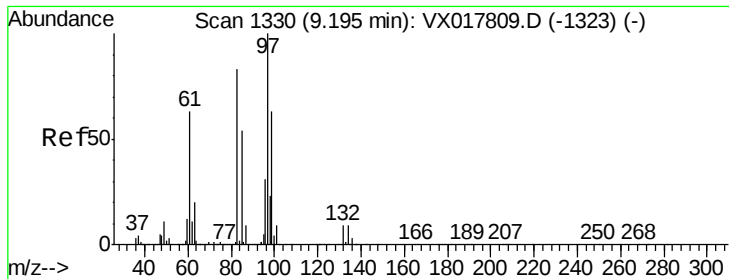
Tot Ion:105 Resp: 588762
 Ion Ratio Lower Upper
 105 100
 120 45.8 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.760 ug/L
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Tgt Ion: 75 Resp: 181344
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.6 40.2





#47

1,1,2-Trichloroethane

Concen: 4.736 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 97 Resp: 98572

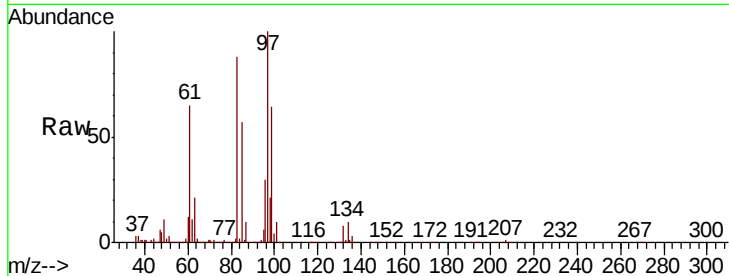
Ion Ratio Lower Upper

97 100

99 63.6 43.9 81.5

83 87.6 58.4 108.6

85 56.7 37.5 69.6

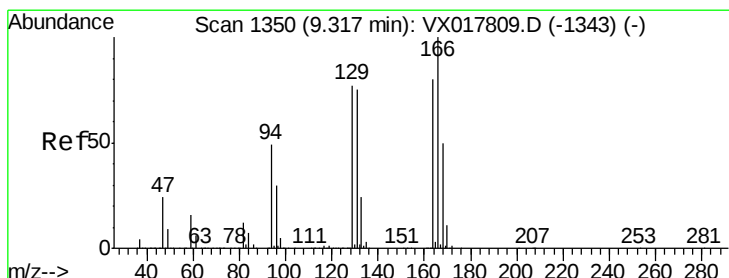
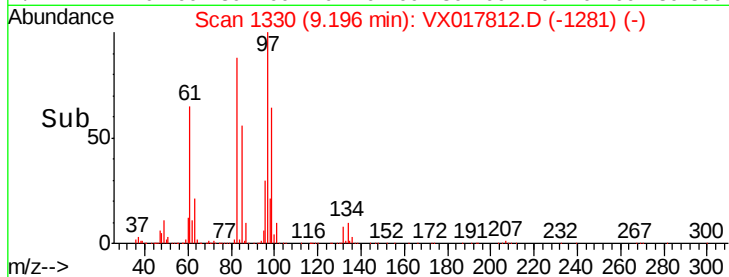
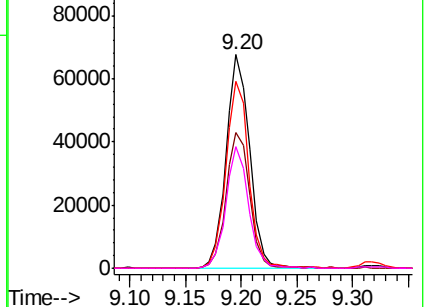


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#49

Tetrachloroethene

Concen: 4.908 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Tgt Ion:164 Resp: 126440

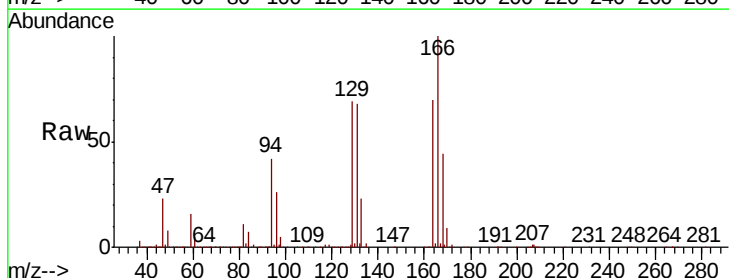
Ion Ratio Lower Upper

164 100

129 98.9 67.4 125.2

131 97.4 65.3 121.3

166 143.6 87.2 161.9

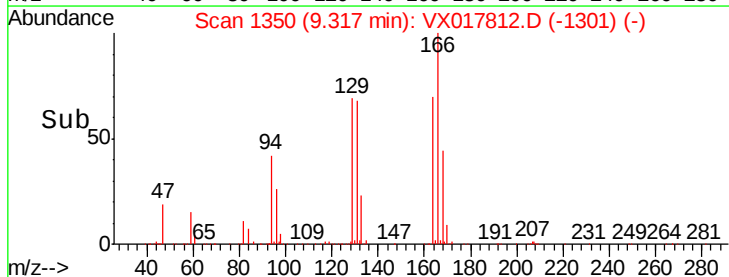
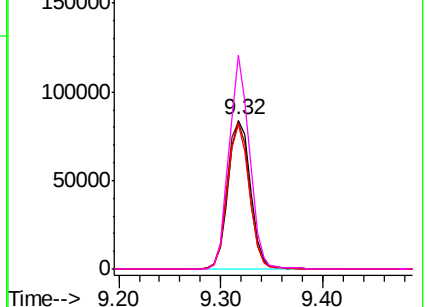


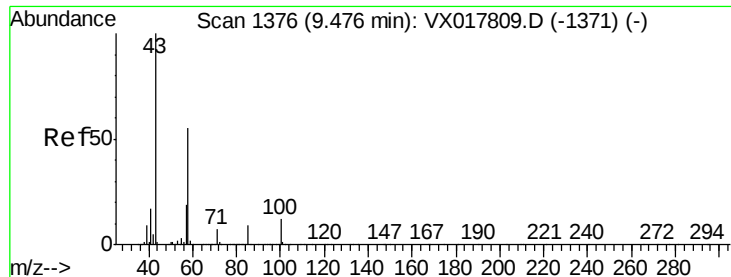
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

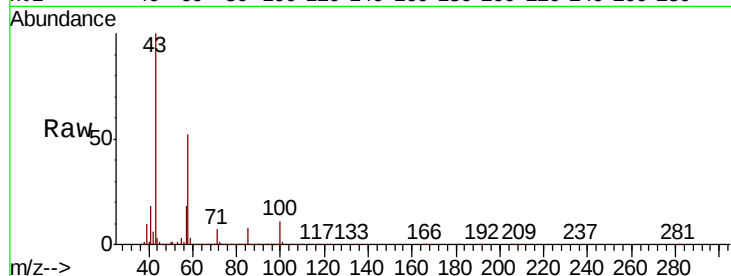




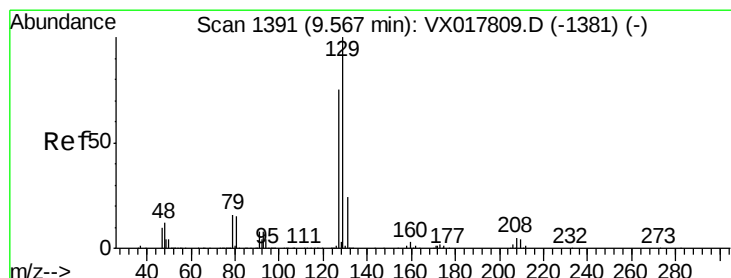
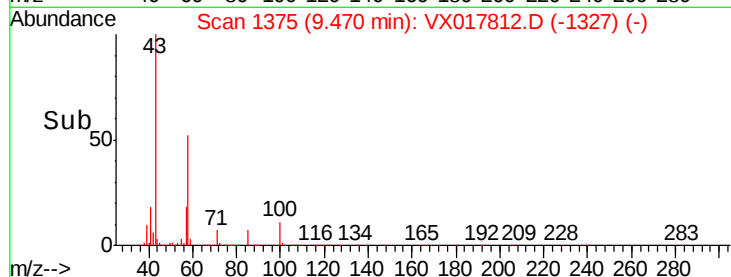
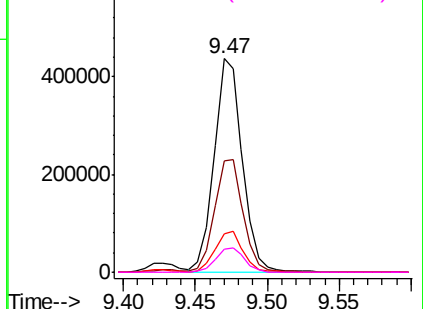
#50
2-Hexanone
Concen: 46.013 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	595699
Ion	Ratio	Lower	Upper
43	100		
58	53.6	43.0	64.6
57	19.5	15.0	22.4
100	11.8	9.2	13.8

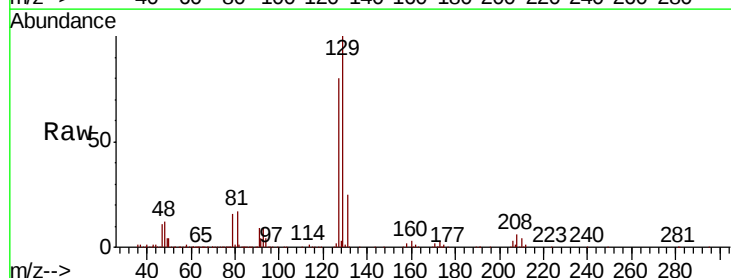


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

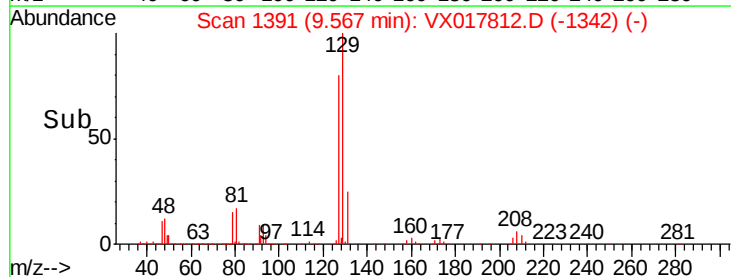
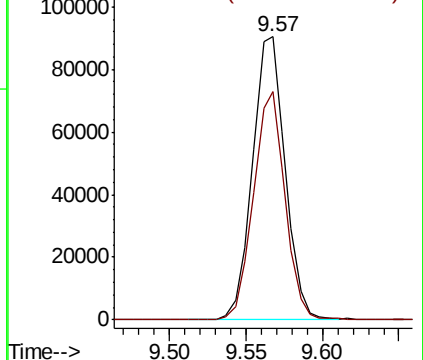


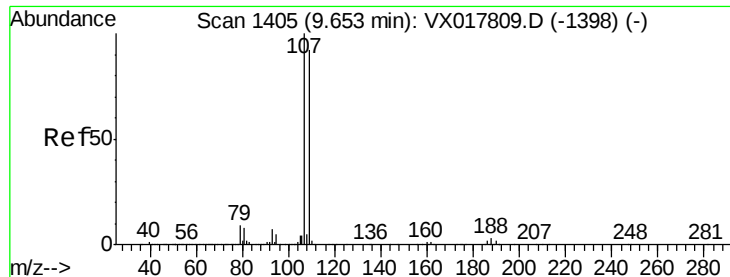
#51
Dibromochloromethane
Concen: 4.681 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion:	129	Resp:	134205
Ion	Ratio	Lower	Upper
129	100		
127	80.5	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 4.797 ug/L

RT: 9.65 min Scan# 1405

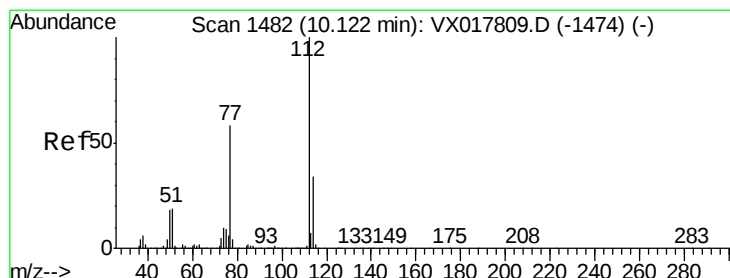
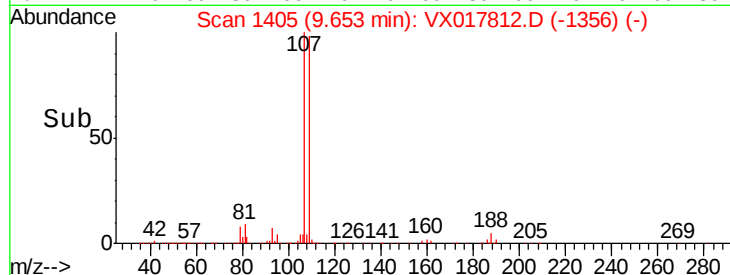
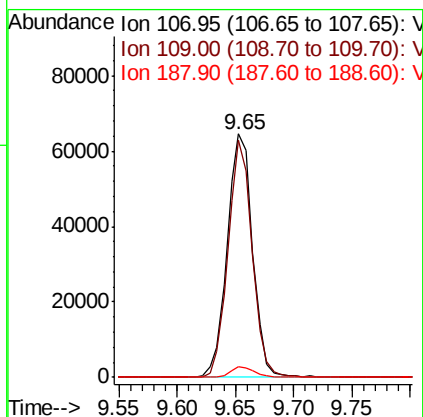
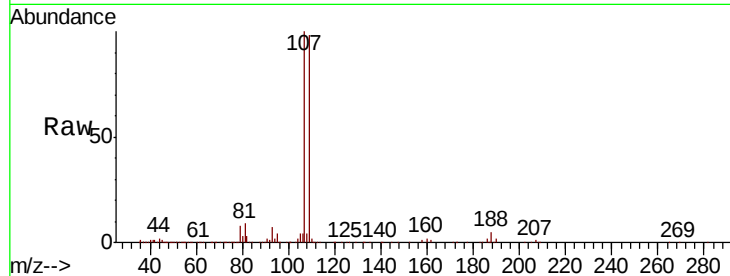
Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	107	Resp:	97754
Ion	Ratio	Lower	Upper
107	100		
109	97.6	64.6	120.0
188	4.6	2.5	3.7#



#53

Chlorobenzene

Concen: 5.062 ug/L

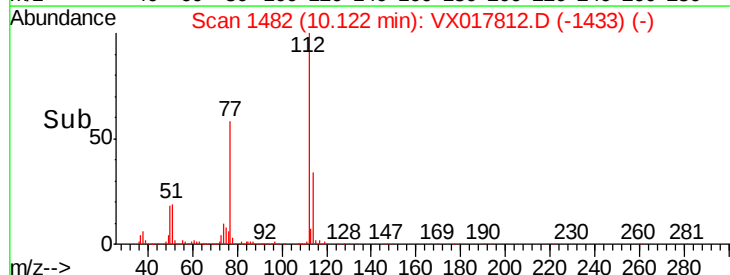
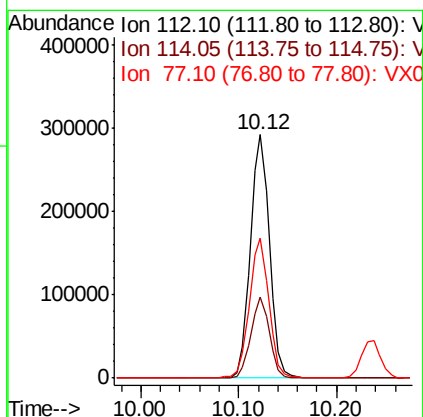
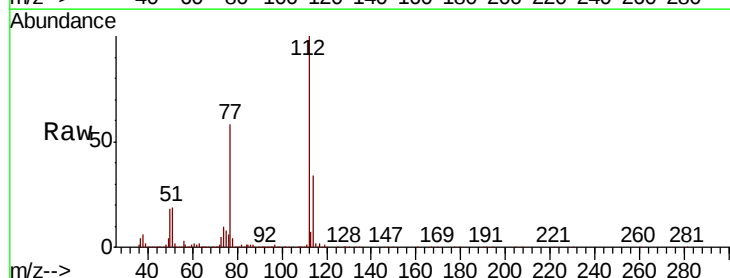
RT: 10.12 min Scan# 1482

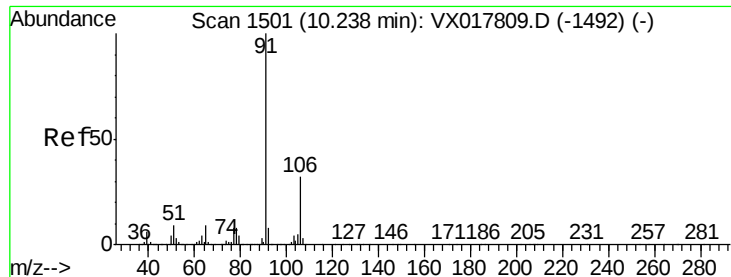
Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Tgt Ion:	112	Resp:	394606
Ion	Ratio	Lower	Upper
112	100		
114	33.5	23.5	43.7
77	57.6	46.7	70.1





#54

Ethylbenzene

Concen: 5.120 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

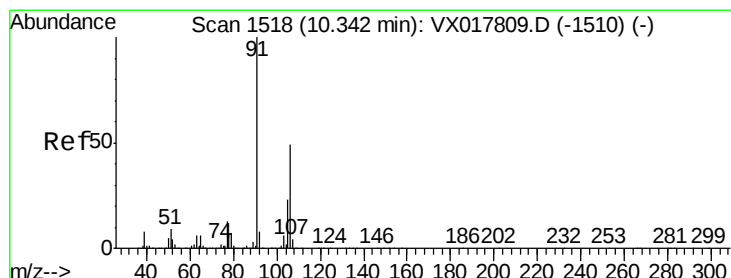
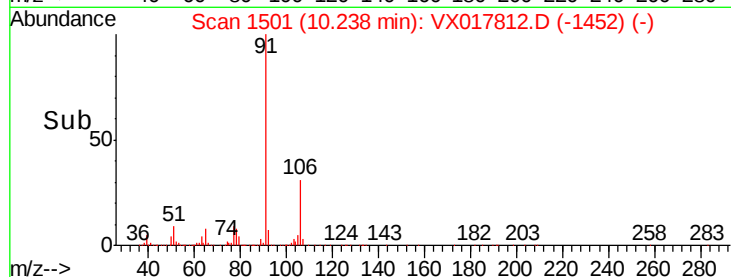
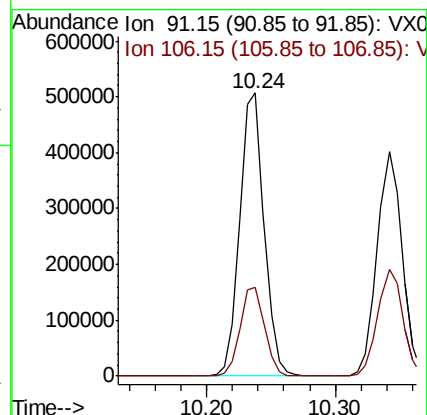
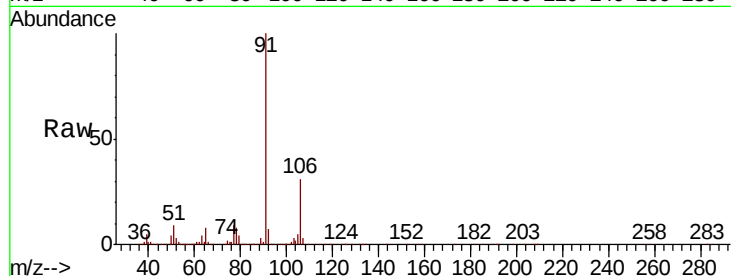
ClientSampled :

Tot Ion: 91 Resp: 669089

Ion Ratio Lower Upper

91 100

106 31.4 22.5 41.9



#55

m,p-xylene

Concen: 5.198 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017812.D

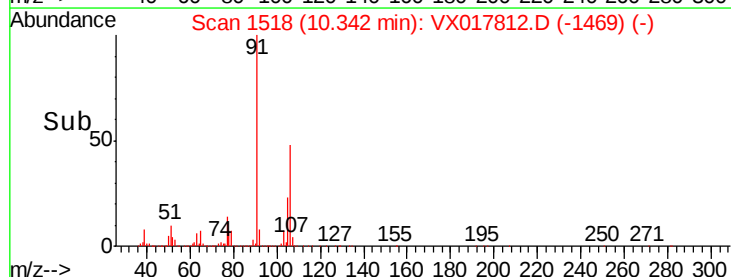
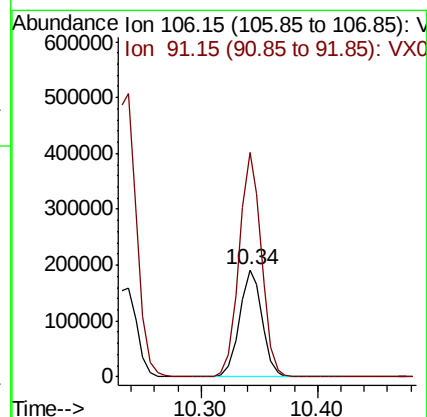
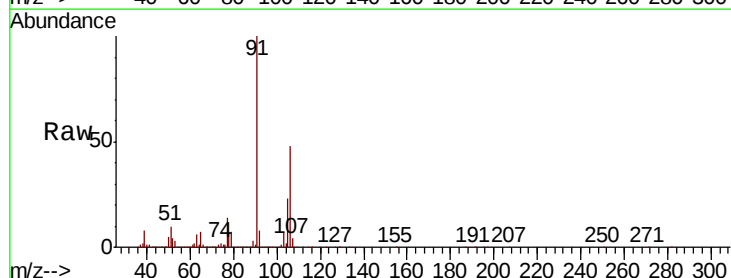
Acq: 06 Aug 2020 17:47

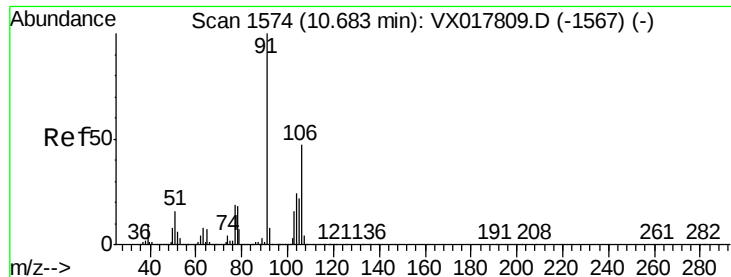
Tgt Ion: 106 Resp: 259371

Ion Ratio Lower Upper

106 100

91 210.0 143.3 266.1

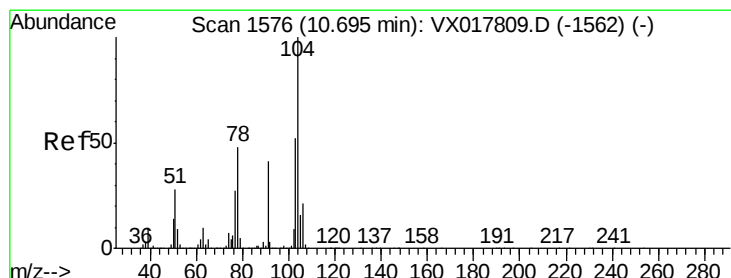
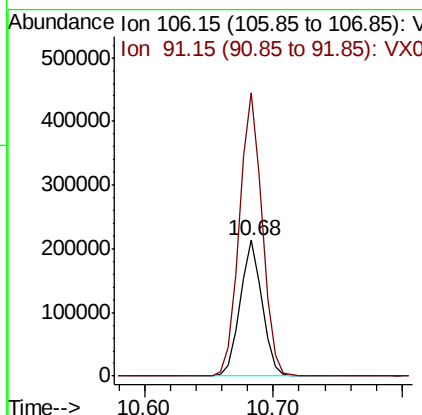
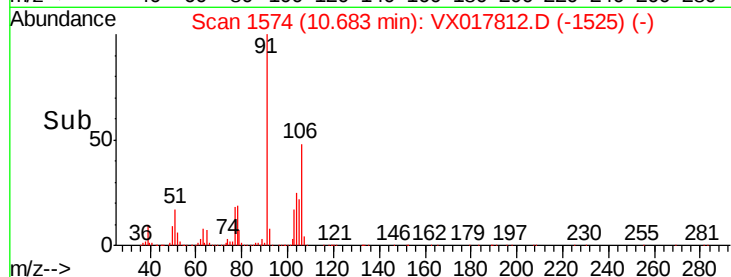
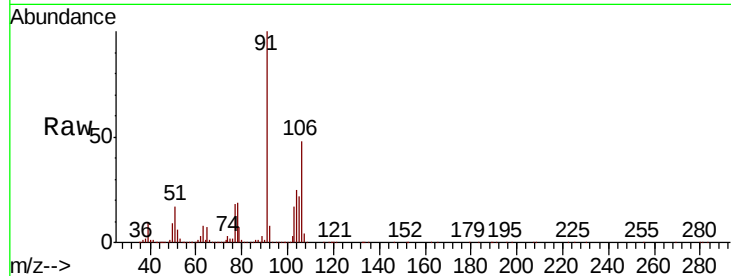




#56
o-xylene
Concen: 5.193 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

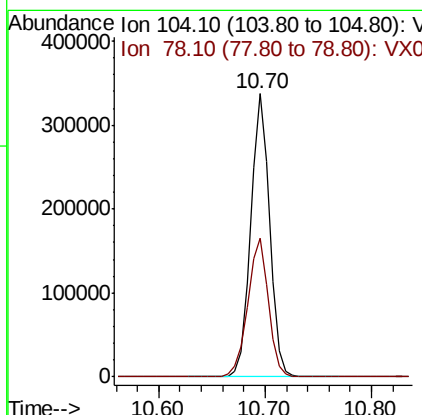
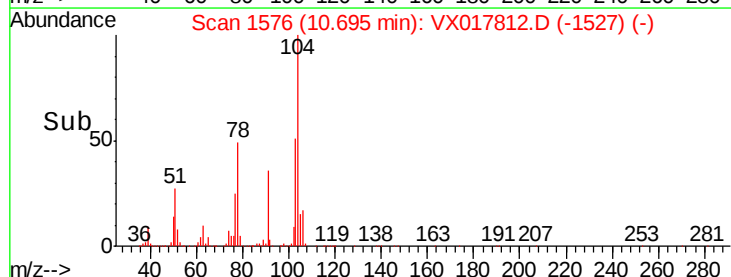
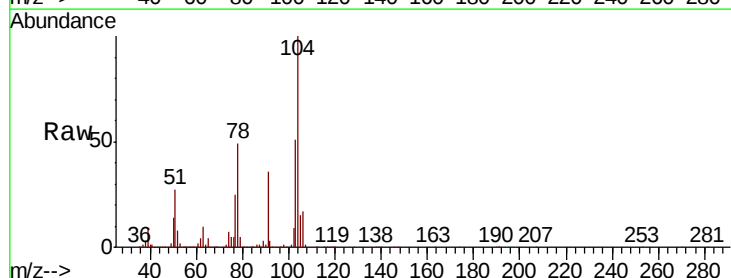
Instrument :
MSVOA_X
ClientSampled :

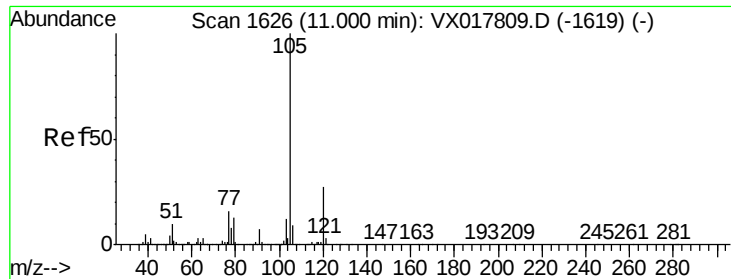
Tot Ion:106 Resp: 251251
Ion Ratio Lower Upper
106 100
91 208.4 149.8 278.2



#57
Styrene
Concen: 5.158 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion:104 Resp: 422024
Ion Ratio Lower Upper
104 100
78 49.1 33.7 62.5





#58

Isopropylbenzene

Concen: 5.231 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

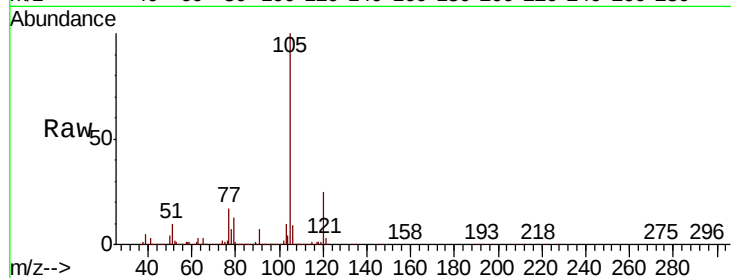
Tot Ion:105 Resp: 677378

Ion Ratio Lower Upper

105 100

120 26.4 21.8 32.6

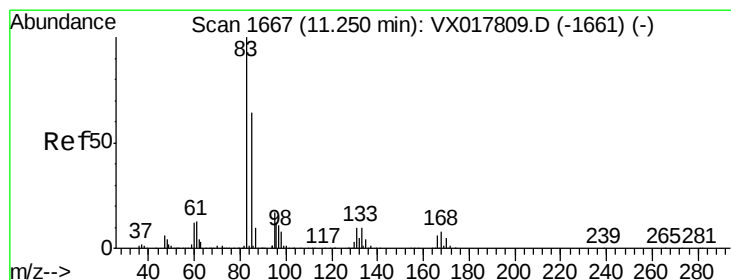
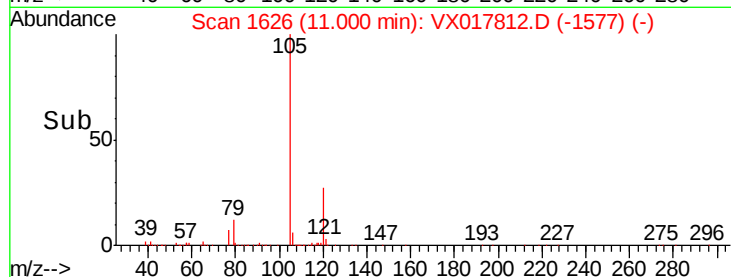
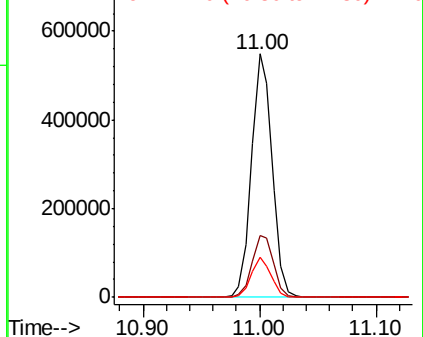
77 15.9 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 4.611 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

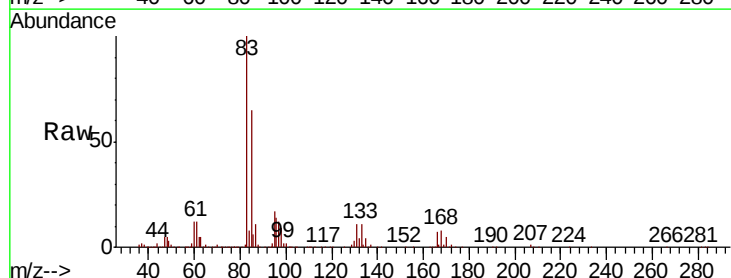
Tgt Ion: 83 Resp: 105404

Ion Ratio Lower Upper

83 100

85 64.9 44.6 82.8

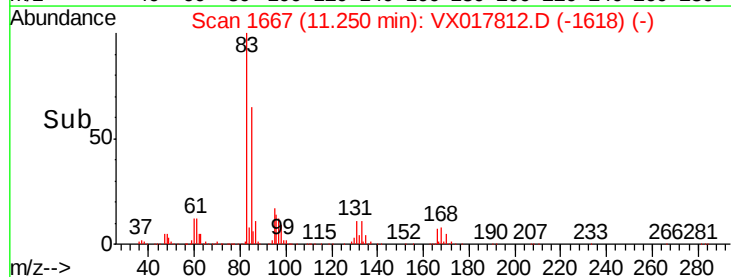
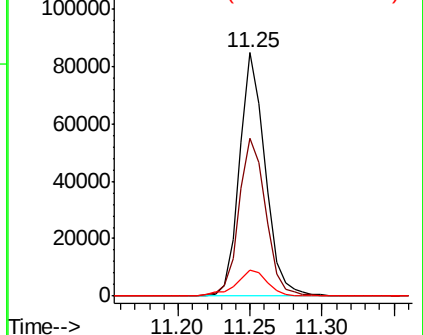
131 10.8 8.2 12.2

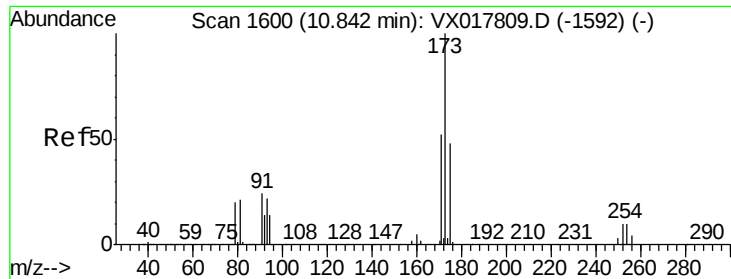


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V

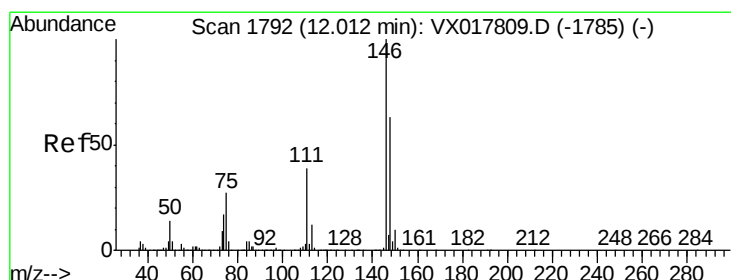
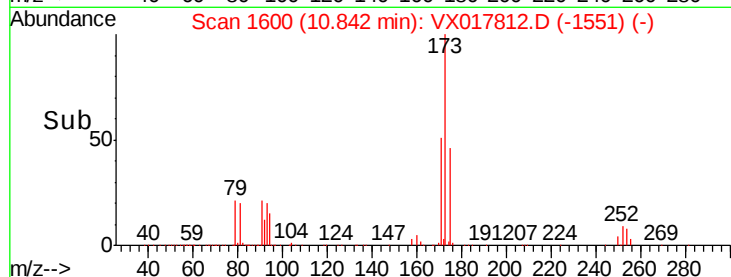
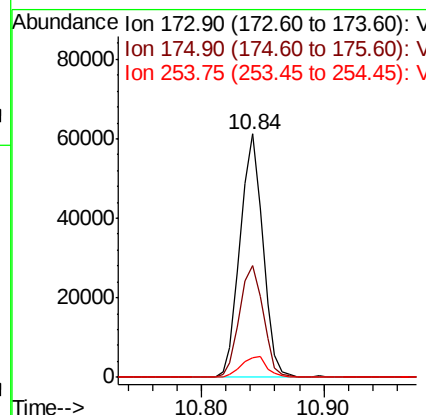
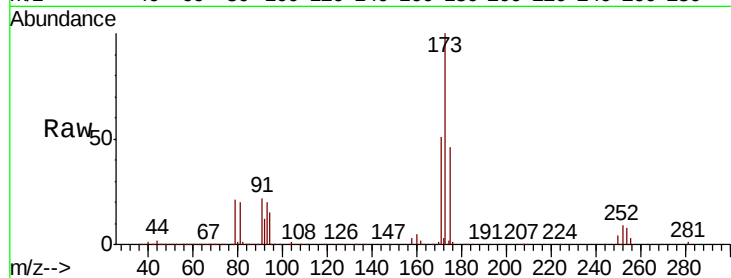




#62
Bromoform
Concen: 4.827 ug/L
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

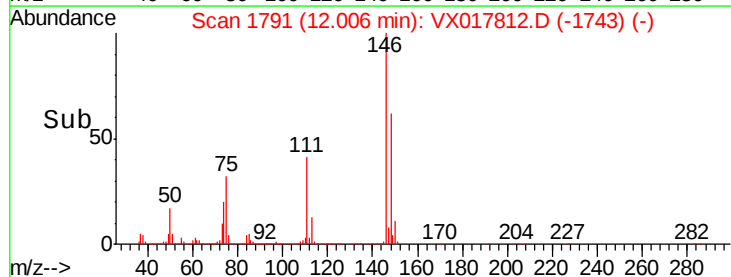
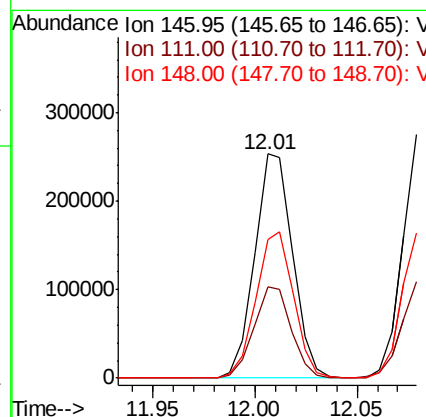
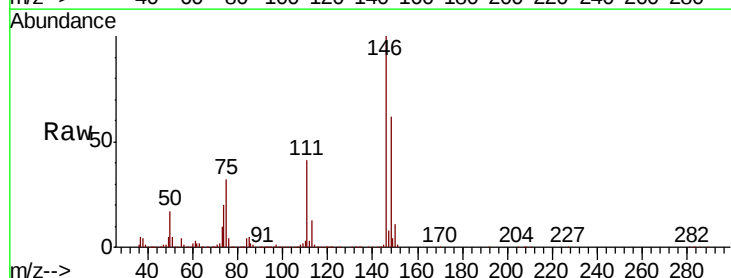
Instrument :
MSVOA_X
ClientSampleId :

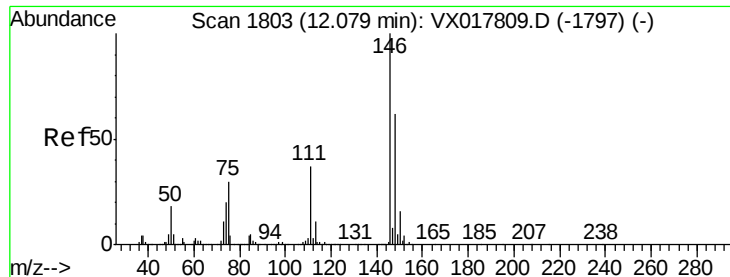
Tot Ion:173 Resp: 78845
Ion Ratio Lower Upper
173 100
175 48.1 40.0 60.0
254 9.5 7.7 11.5



#63
1,3-Dichlorobenzene
Concen: 5.172 ug/L
RT: 12.01 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX017812.D
Acq: 06 Aug 2020 17:47

Tgt Ion:146 Resp: 328956
Ion Ratio Lower Upper
146 100
111 40.6 27.6 51.4
148 61.8 43.9 81.5





#64

1,4-Dichlorobenzene

Concen: 5.244 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

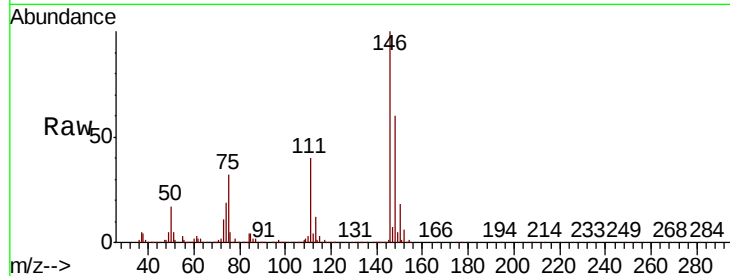
Tot Ion:146 Resp: 331778

Ion Ratio Lower Upper

146 100

111 39.7 26.0 48.2

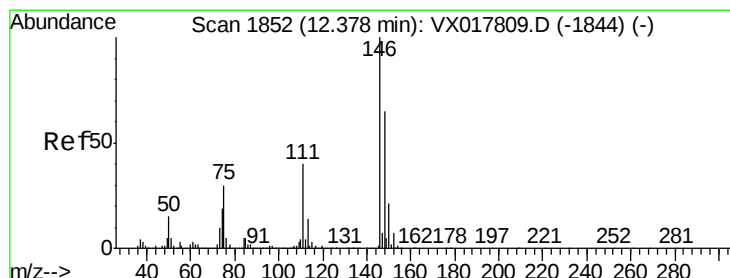
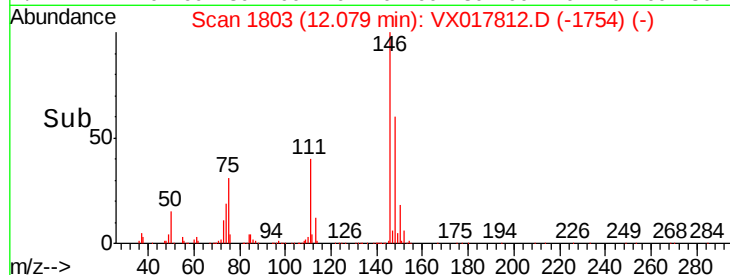
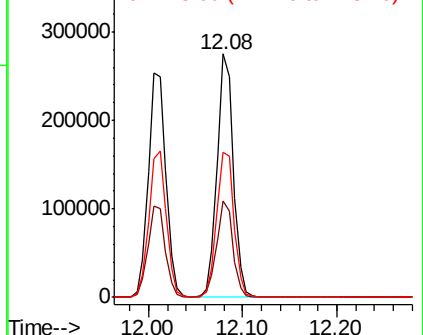
148 59.8 43.2 80.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.238 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX017812.D

Acq: 06 Aug 2020 17:47

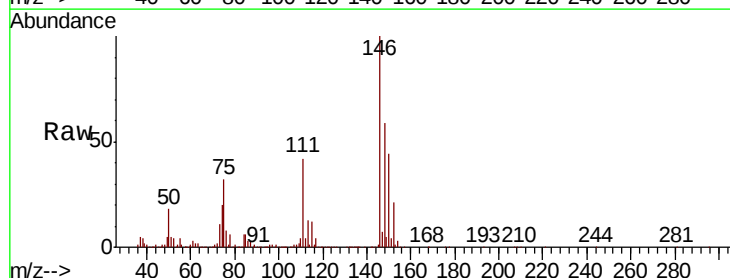
Tgt Ion:146 Resp: 309410

Ion Ratio Lower Upper

146 100

111 42.3 32.2 48.4

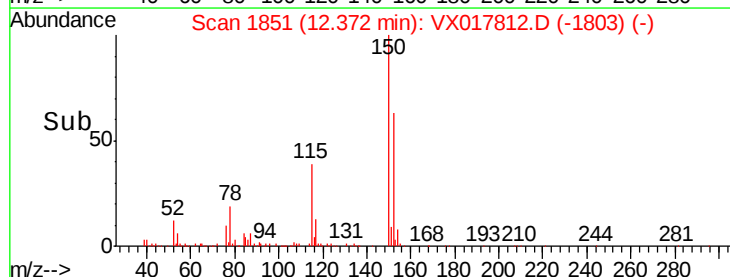
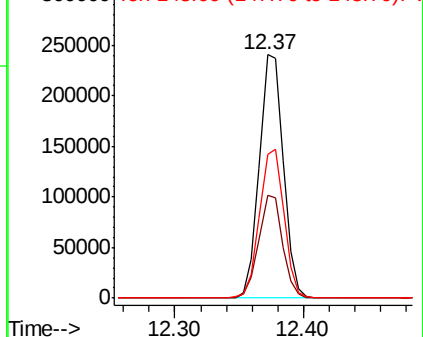
148 59.3 52.3 78.5

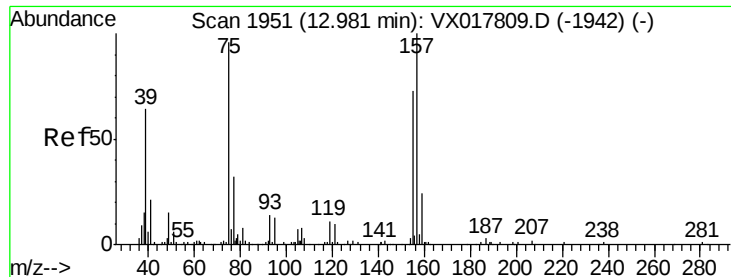


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

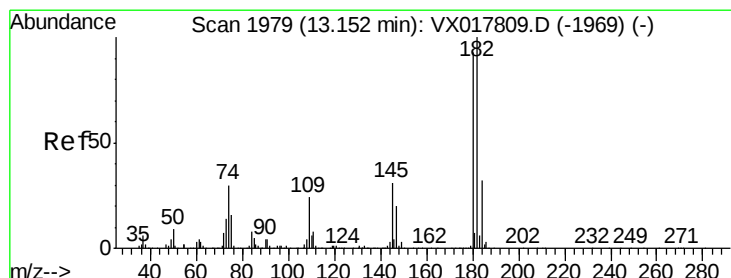
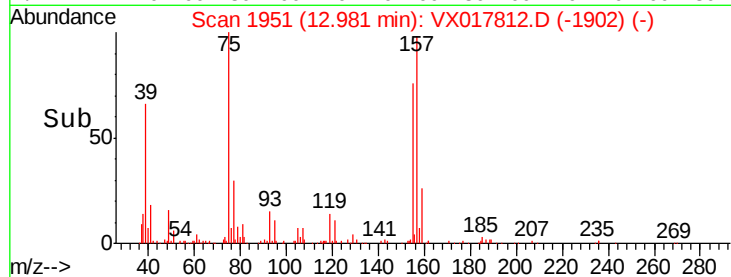
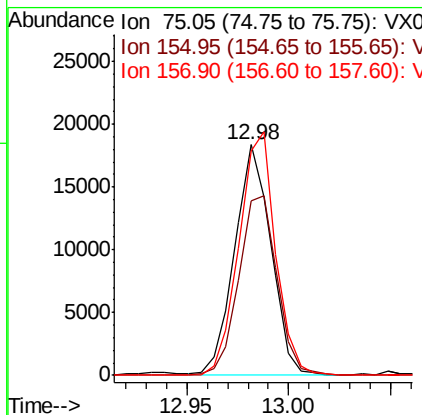
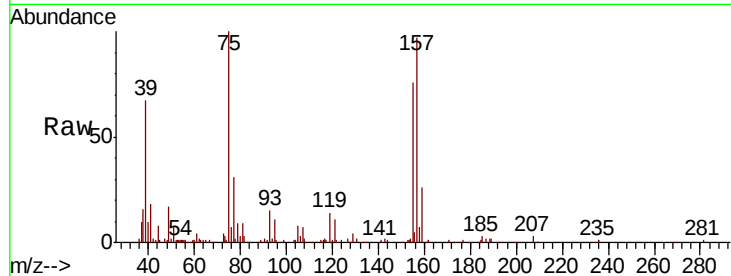




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.408 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

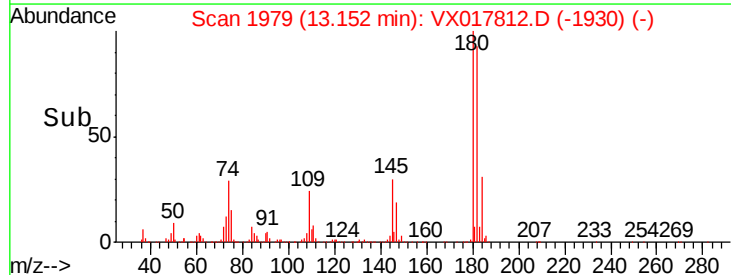
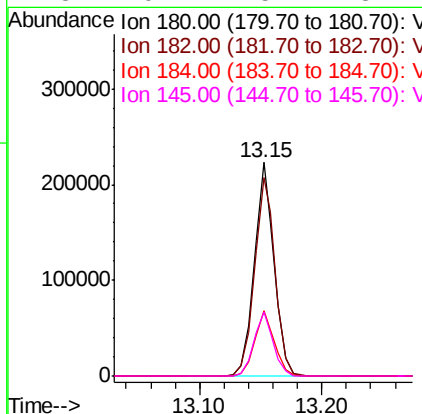
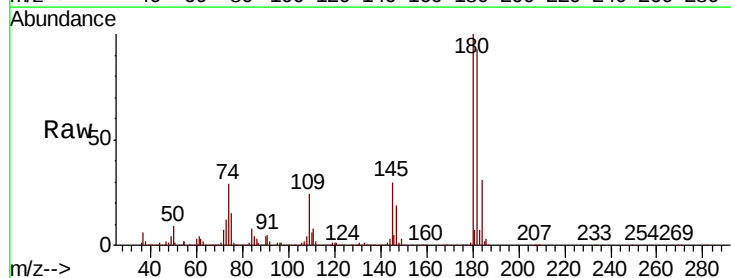
Instrument :
 MSVOA_X
 ClientSampleId :

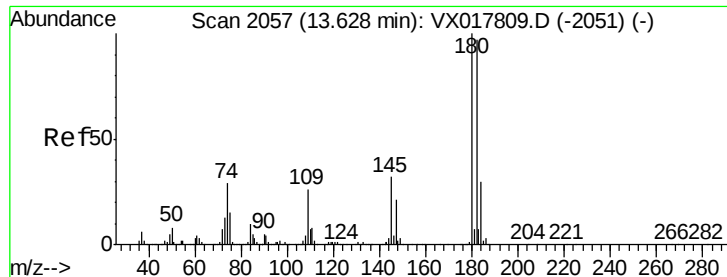
Tot Ion: 75 Resp: 22622
 Ion Ratio Lower Upper
 75 100
 155 75.9 60.9 91.3
 157 97.3 83.3 124.9



#68
 1,3,5-Trichlorobenzene
 Concen: 5.355 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Tgt Ion: 180 Resp: 251520
 Ion Ratio Lower Upper
 180 100
 182 96.7 80.2 120.4
 184 30.4 24.9 37.3
 145 29.4 25.1 37.7

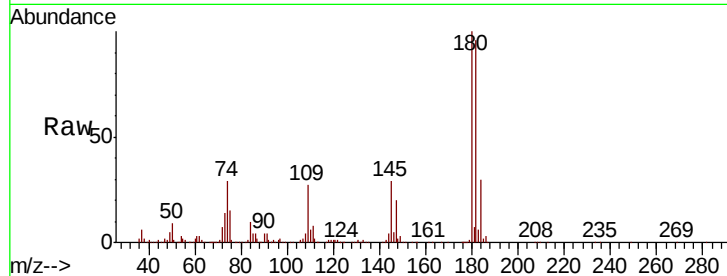




#69
 1,2,4-trichlorobenzene
 Concen: 5.085 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	32.2	25.4	38.0

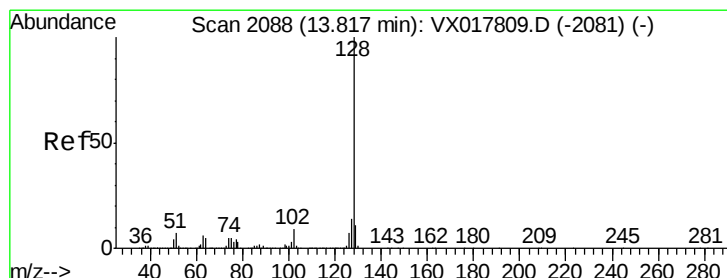
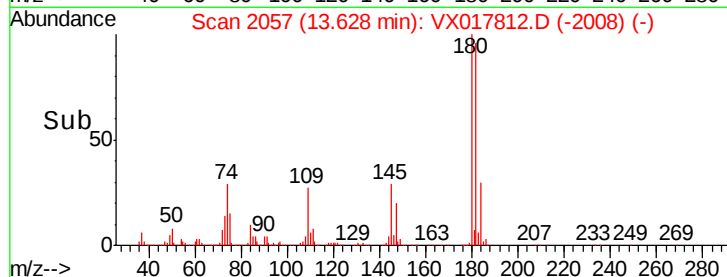
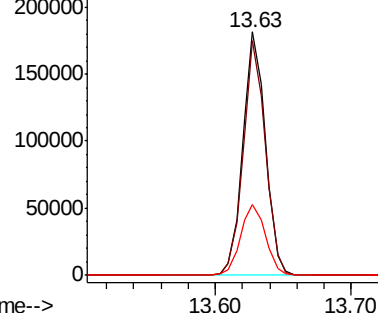


Abundance

Ion 179.90 (179.60 to 180.60): V

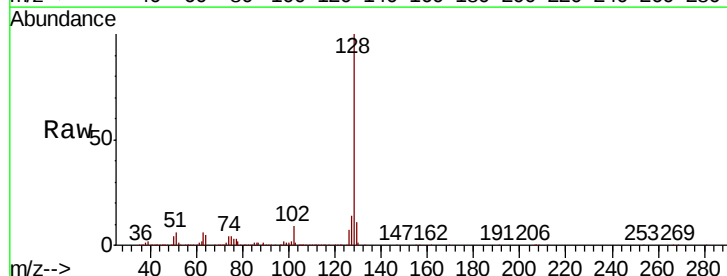
Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70
 Naphthalene
 Concen: 5.022 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	12.8	11.0	16.4

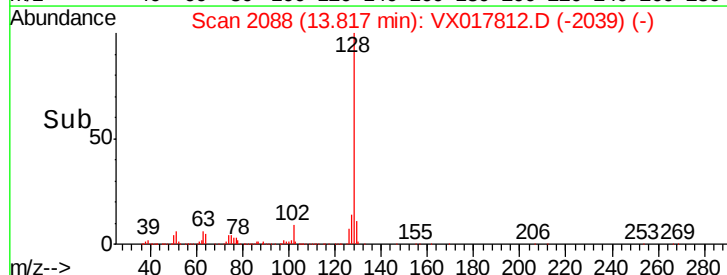
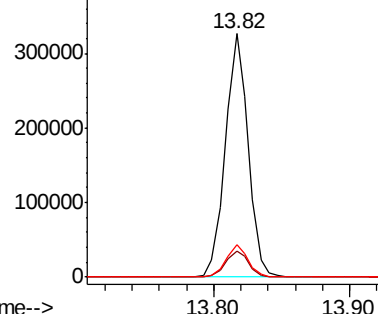


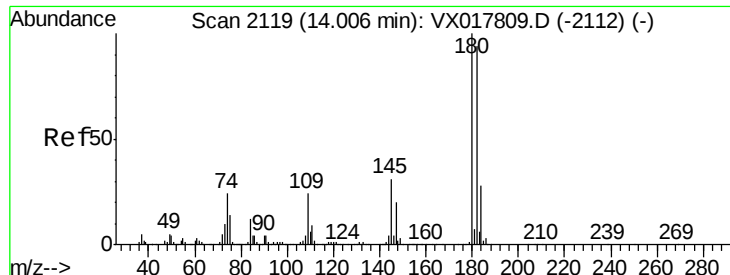
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

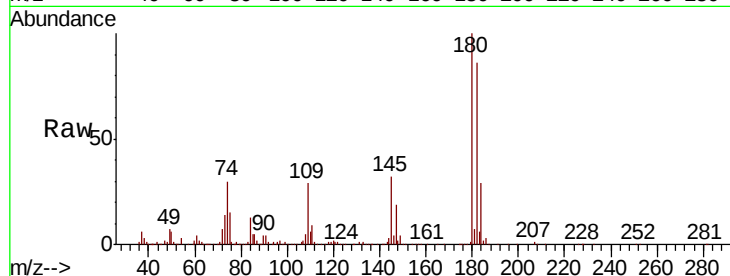




#71
 1,2,3-Trichlorobenzene
 Concen: 5.265 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX017812.D
 Acq: 06 Aug 2020 17:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.4	113.0
145	32.8	27.4	41.0



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

