

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018208.D
 Acq On : 02 Sep 2020 10:31
 Operator : JC/SP
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05033

Quant Time: Sep 03 04:16:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 04:13:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	675796	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	668775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	331436	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	271145	58.10	ug/L	0.00
7) Chloroethane-d5	1.69	69	203539	39.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	508072	52.70	ug/L	0.00
21) 2-Butanone-d5	4.53	46	386760	78.78	ug/L	0.00
24) Chloroform-d	5.14	84	495515	49.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	363967	50.47	ug/L	0.00
32) Benzene-d6	6.05	84	985023	51.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	311474	50.28	ug/L	0.00
41) Toluene-d8	8.70	98	940886	52.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	175683	54.95	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	285761	88.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	11.23	84	414476	43.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.36	152	360622	49.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	277977	57.581	ug/L 100
3) Chloromethane	1.31	50	256925	52.305	ug/L 100
5) Vinyl chloride	1.39	62	255088	51.708	ug/L 100
6) Bromomethane	1.63	94	149803	42.358	ug/L 100
8) Chloroethane	1.71	64	147976	36.617	ug/L 100
9) Trichlorofluoromethane	1.92	101	428095	49.892	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	226132	53.115	ug/L 100
12) 1,1-Dichloroethene	2.36	96	209780	52.905	ug/L 100
13) Acetone	2.42	43	211768	66.585	ug/L 100
14) Carbon disulfide	2.55	76	674023	53.108	ug/L 100
15) Methyl Acetate	2.75	43	258496	43.632	ug/L 100
16) Methylene chloride	2.84	84	246267	51.971	ug/L 100
17) trans-1,2-Dichloroethene	3.14	96	232219	52.939	ug/L 100
18) Methyl tert-butyl Ether	3.17	73	752258	53.506	ug/L 100
19) 1,1-Dichloroethane	3.67	63	434984	51.548	ug/L 100
20) cis-1,2-Dichloroethene	4.56	96	255331	51.600	ug/L # 100
22) 2-Butanone	4.64	43	353659	78.590	ug/L 100
23) Bromochloromethane	4.98	128	135335	53.753	ug/L 100
25) Chloroform	5.18	83	487450	51.892	ug/L 100
27) 1,2-Dichloroethane	6.17	62	382657	49.467	ug/L 100
29) Cyclohexane	5.55	56	366478	50.492	ug/L 100
30) 1,1,1-Trichloroethane	5.46	97	437957	53.767	ug/L 100
31) Carbon tetrachloride	5.76	117	410429	59.361	ug/L 100
33) Benzene	6.12	78	940439	50.895	ug/L 100
34) Trichloroethene	7.19	95	260742	52.973	ug/L 100
35) Methylcyclohexane	7.45	83	377960	50.191	ug/L 100
37) 1,2-Dichloropropane	7.49	63	244248	49.019	ug/L 100
38) Bromodichloromethane	7.88	83	349667	52.291	ug/L 100
39) cis-1,3-Dichloropropene	8.41	75	399873	53.180	ug/L 100
40) 4-Methyl-2-pentanone	8.62	43	709587	85.002	ug/L 100

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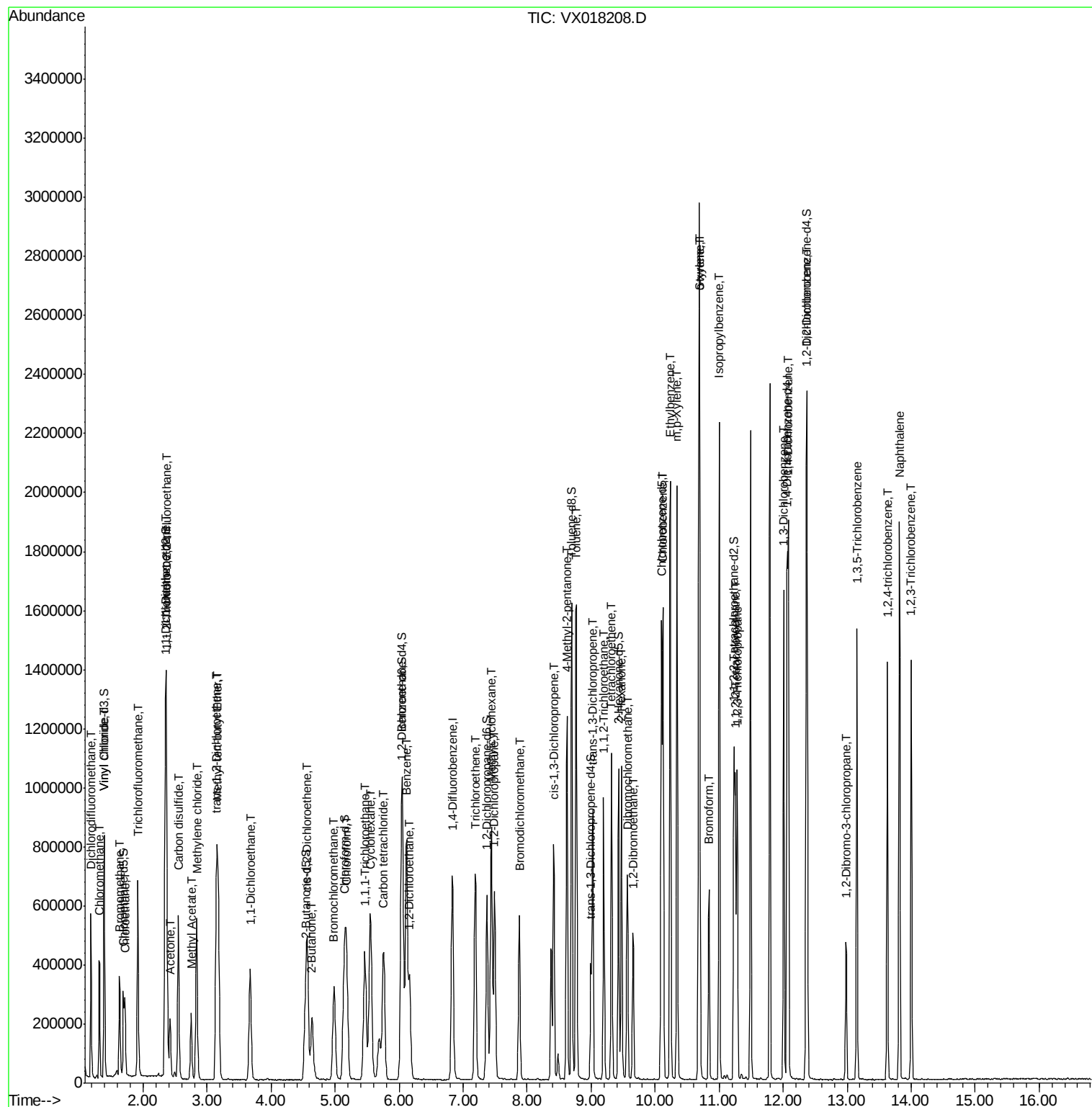
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.77	91	1036675	51.013	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	416187	55.873	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	251191	52.204	ug/L	100
46) Tetrachloroethene	9.32	164	211471	55.365	ug/L	100
48) 2-Hexanone	9.48	43	569556	84.196	ug/L	100
49) Dibromochloromethane	9.57	129	309198	55.897	ug/L	100
50) 1,2-Dibromoethane	9.65	107	262883	49.753	ug/L	100
51) Chlorobenzene	10.12	112	683000	52.082	ug/L	100
52) Ethylbenzene	10.24	91	1149384	51.261	ug/L	100
53) m,p-Xylene	10.34	106	439644	51.769	ug/L	100
54) o-xylene	10.68	106	430206	52.799	ug/L	100
55) Styrene	10.70	104	749007	53.204	ug/L	100
56) Isopropylbenzene	11.01	105	1146528	51.918	ug/L	100
58) 1,1,2,2-Tetrachloroethane	11.25	83	368846	43.627	ug/L	100
59) 1,2,3-Trichloropropane	11.28	75	319013	44.961	ug/L	100
61) Bromoform	10.84	173	233178	57.356	ug/L	100
62) 1,3-Dichlorobenzene	12.01	146	547745	52.963	ug/L	100
63) 1,4-Dichlorobenzene	12.09	146	542674	52.510	ug/L	100
65) 1,2-Dichlorobenzene	12.38	146	521878	50.627	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.98	75	96032	48.168	ug/L	100
67) 1,3,5-Trichlorobenzene	13.15	180	356012	48.877	ug/L	100
68) 1,2,4-trichlorobenzene	13.63	180	323888	52.294	ug/L	100
69) Naphthalene	13.82	128	1107911	58.638	ug/L	100
70) 1,2,3-Trichlorobenzene	14.00	180	334878	52.959	ug/L	100

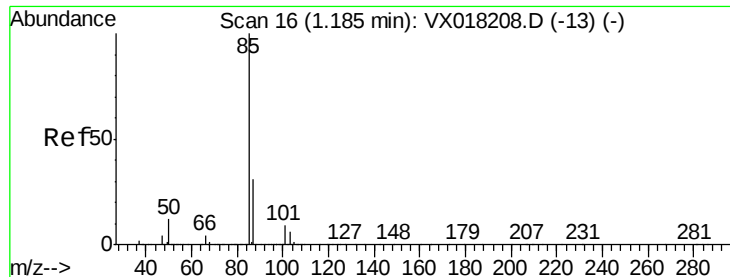
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 57.581 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

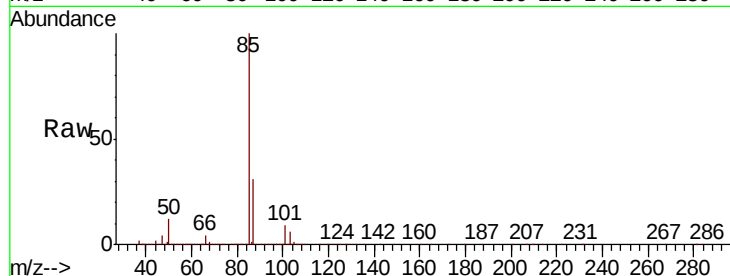
VSTD05033

Tot Ion: 85 Resp: 277977

Ion Ratio Lower Upper

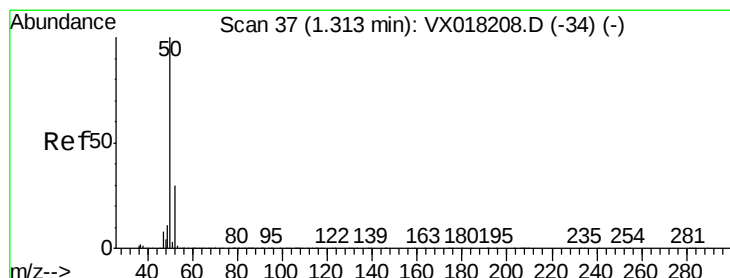
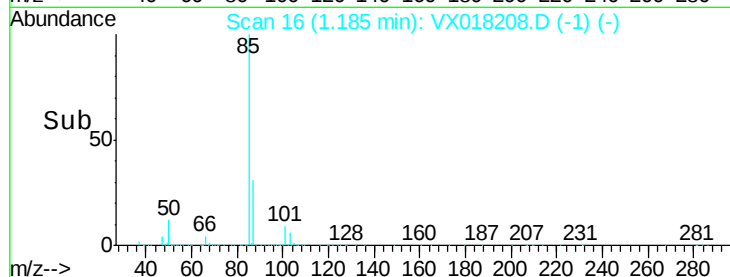
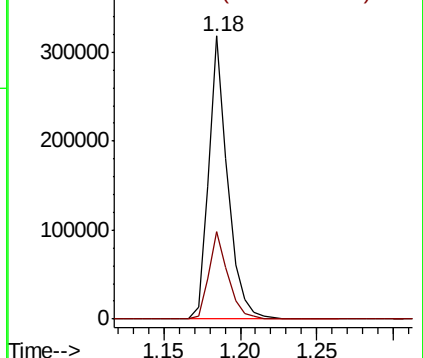
85 100

87 31.5 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: 52.305 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018208.D

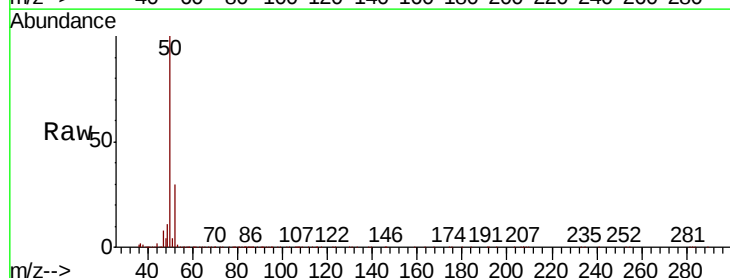
Acq: 02 Sep 2020 10:31

Tgt Ion: 50 Resp: 256925

Ion Ratio Lower Upper

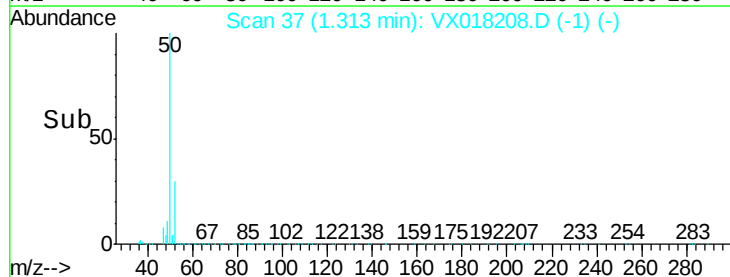
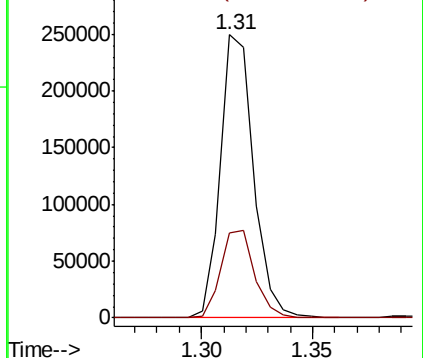
50 100

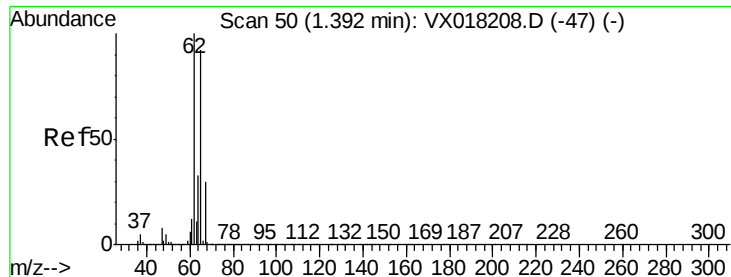
52 30.0 21.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 51.708 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

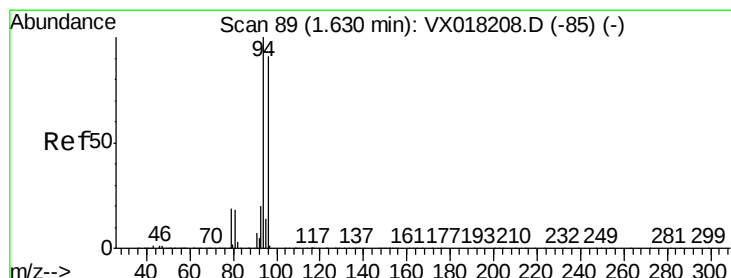
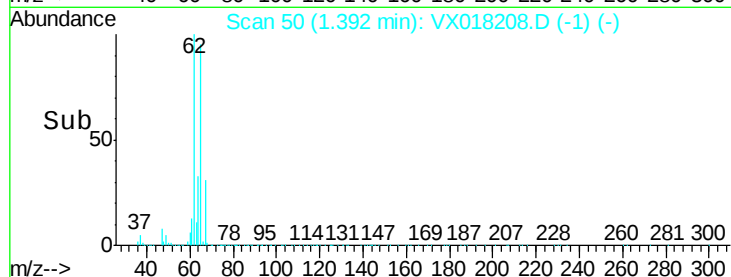
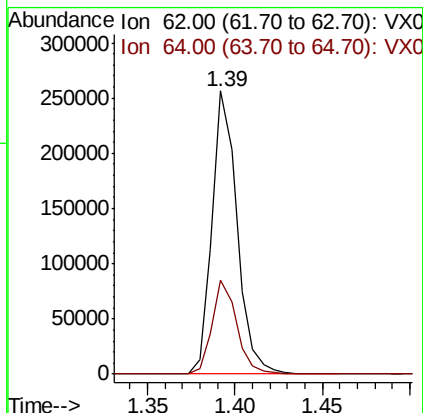
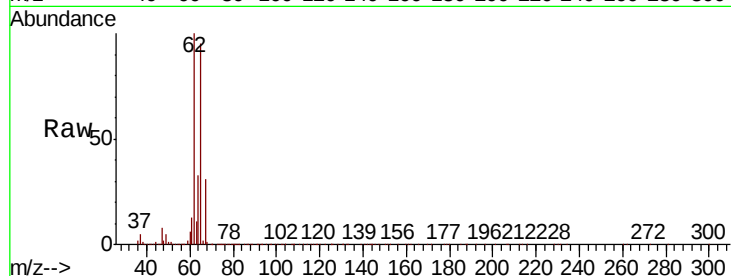
VSTD05033

Tot Ion: 62 Resp: 255088

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



#6

Bromomethane

Concen: 42.358 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VX018208.D

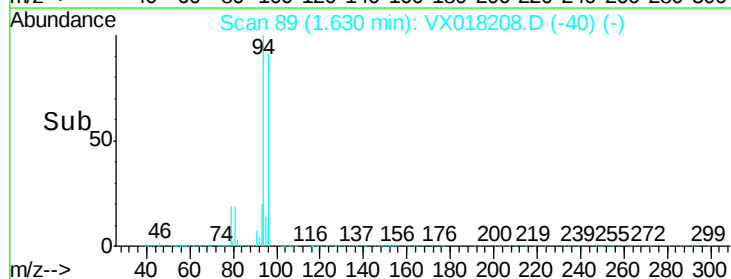
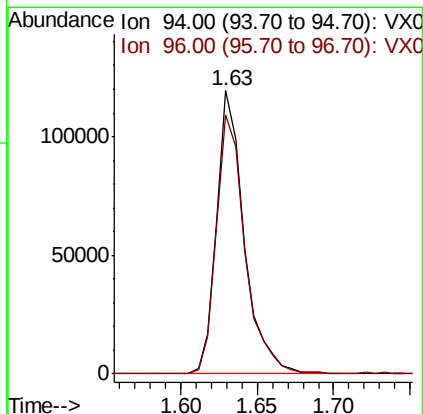
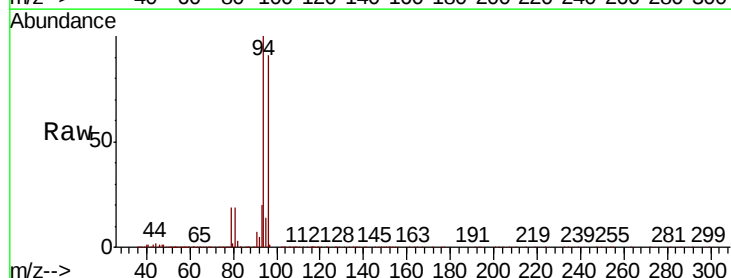
Acq: 02 Sep 2020 10:31

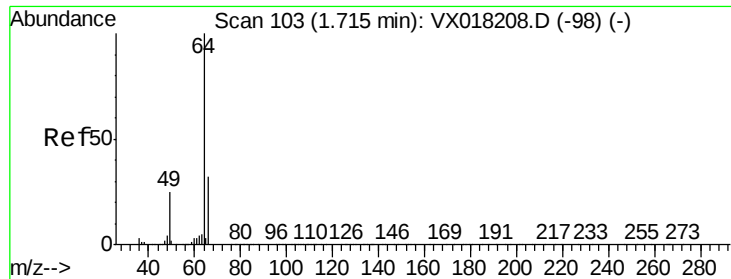
Tgt Ion: 94 Resp: 149803

Ion Ratio Lower Upper

94 100

96 91.3 63.9 118.7

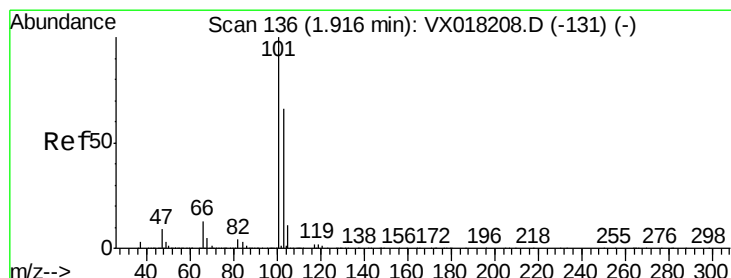
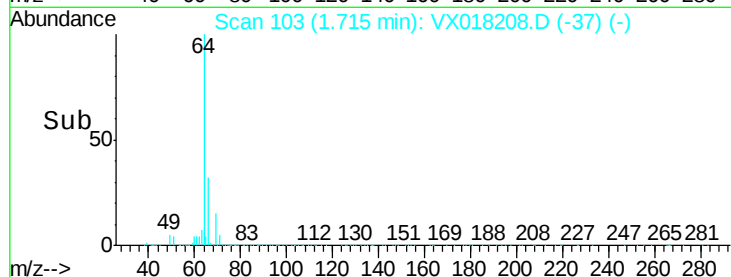
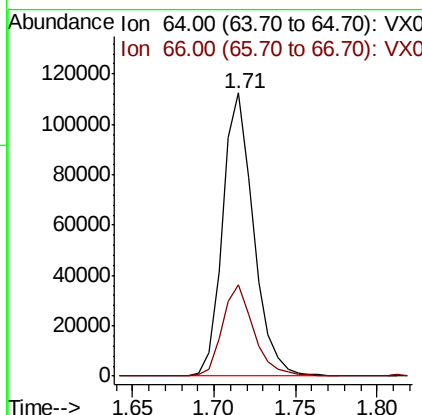
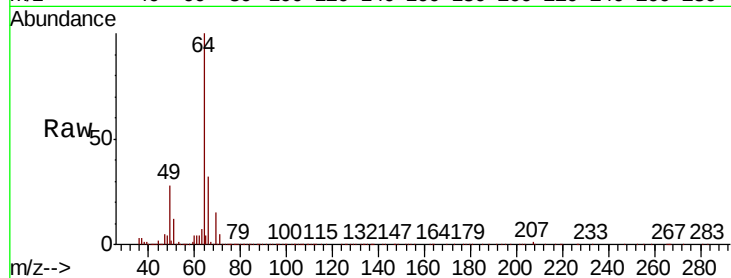




#8
Chloroethane
Concen: 36.617 ug/L
RT: 1.71 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

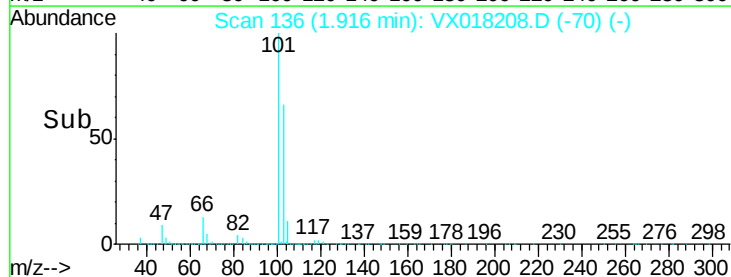
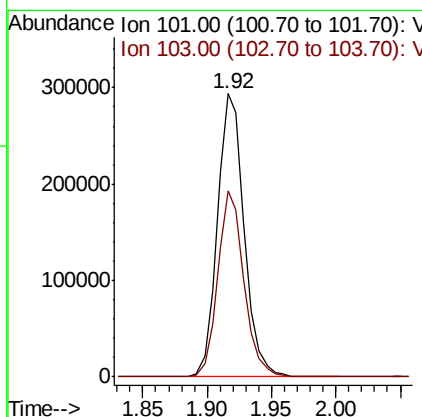
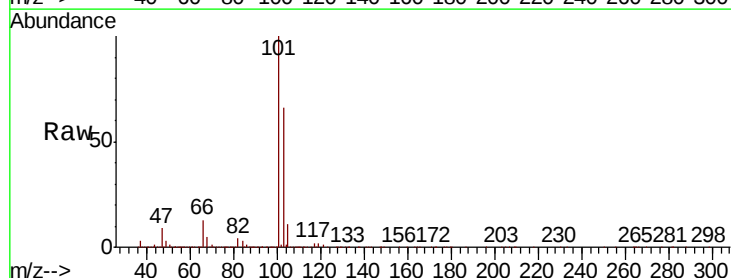
Instrument :
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VSTD05033

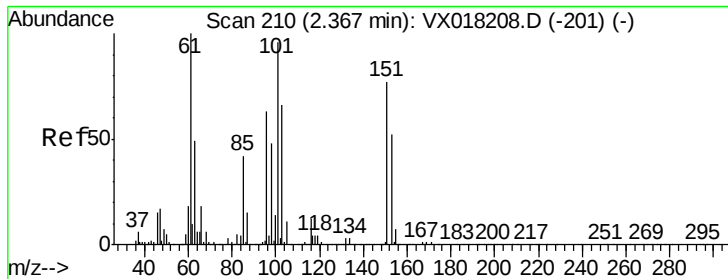
Tot Ion: 64 Resp: 147976
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 49.892 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

Tgt Ion: 101 Resp: 428095
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 53.115 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD05033

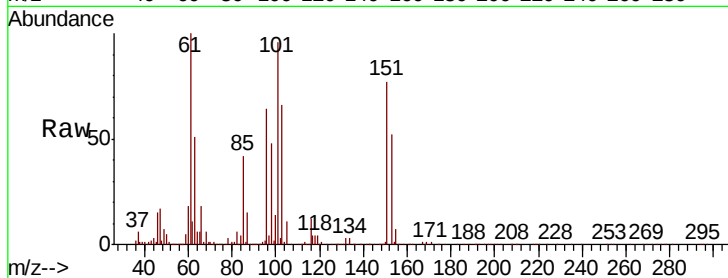
Tot Ion:101 Resp: 226132

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

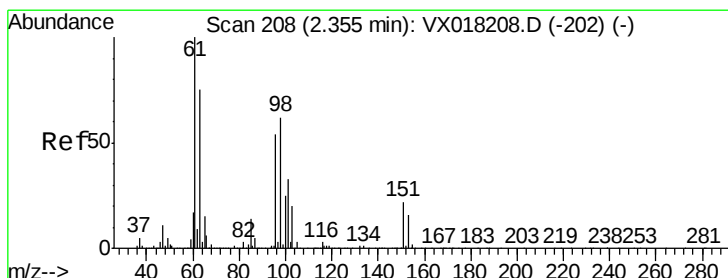
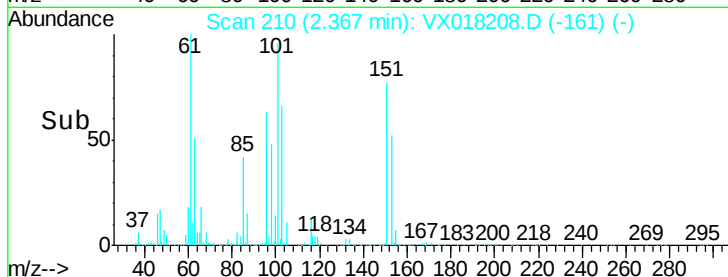
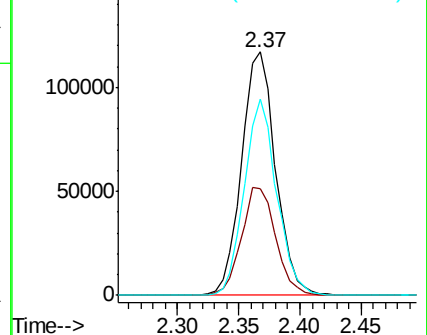
151 77.0 61.6 92.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.905 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

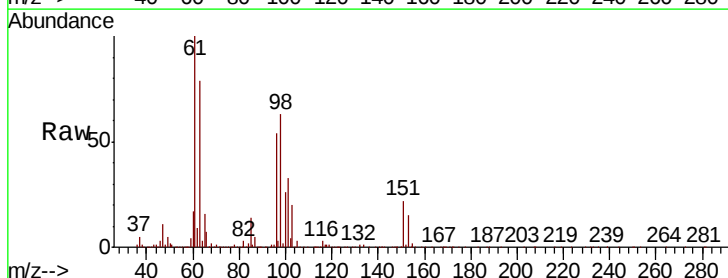
Tgt Ion: 96 Resp: 209780

Ion Ratio Lower Upper

96 100

61 186.5 130.5 242.5

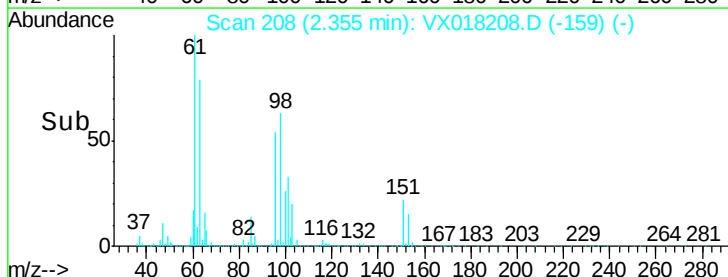
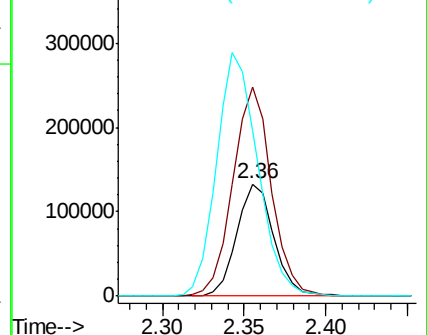
63 147.1 103.0 191.2

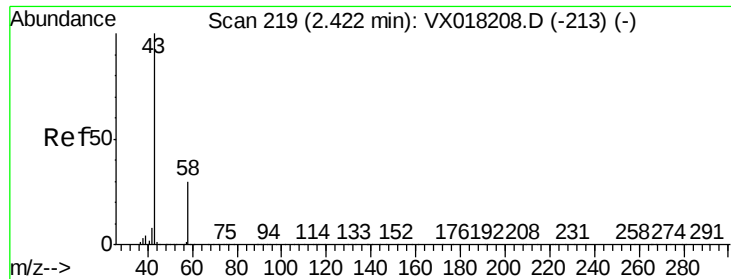


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 66.585 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampled :

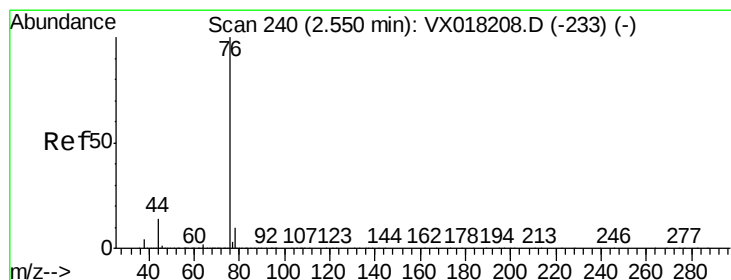
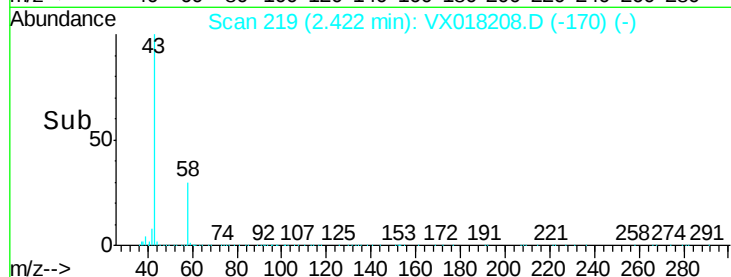
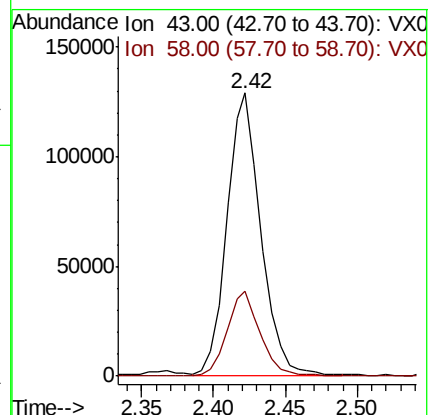
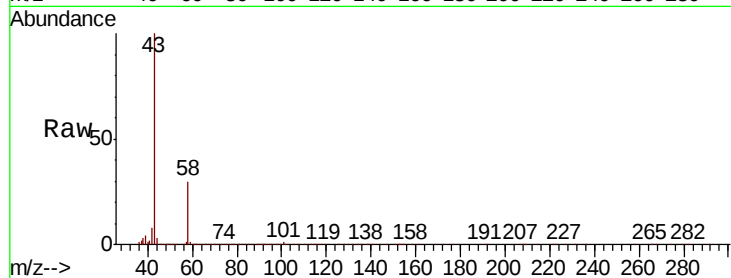
VSTD05033

Tot Ion: 43 Resp: 211768

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 53.108 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018208.D

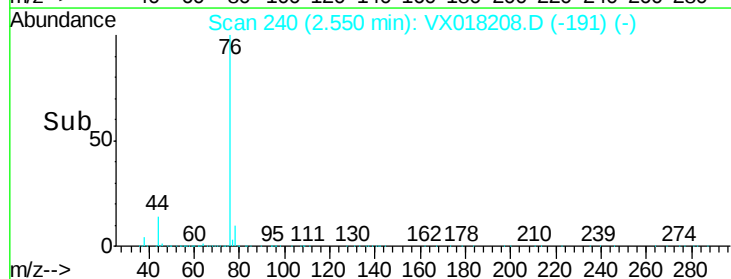
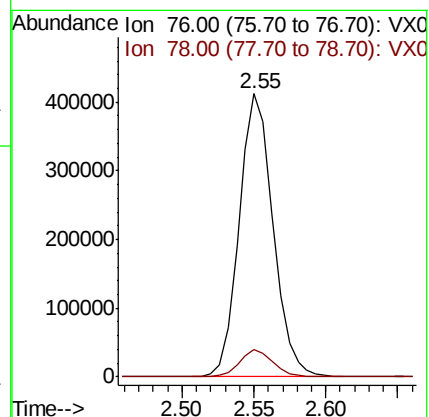
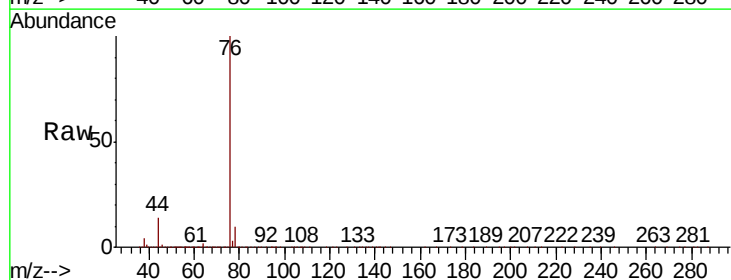
Acq: 02 Sep 2020 10:31

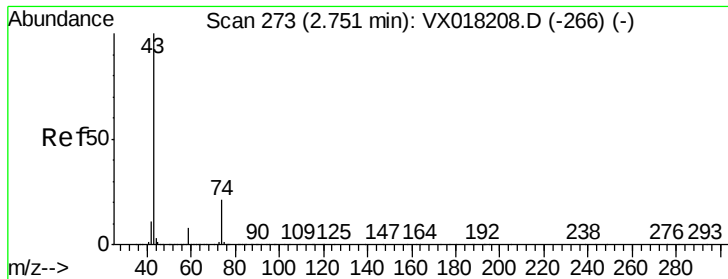
Tgt Ion: 76 Resp: 674023

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

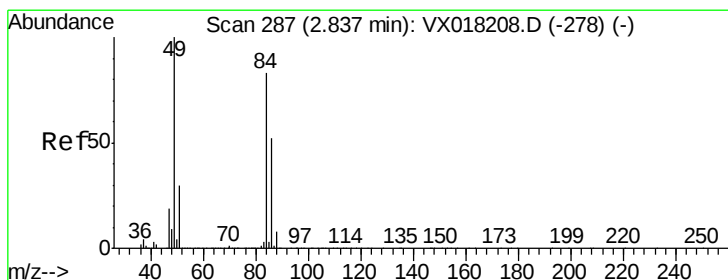
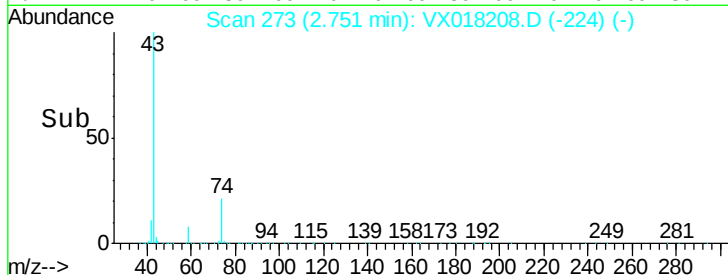
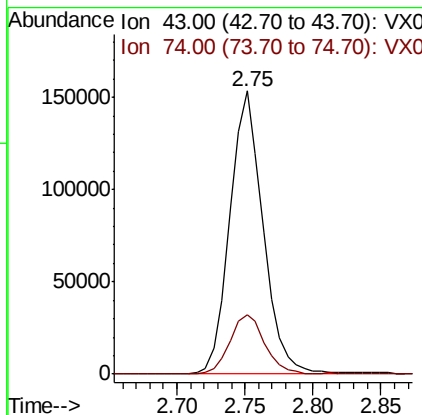
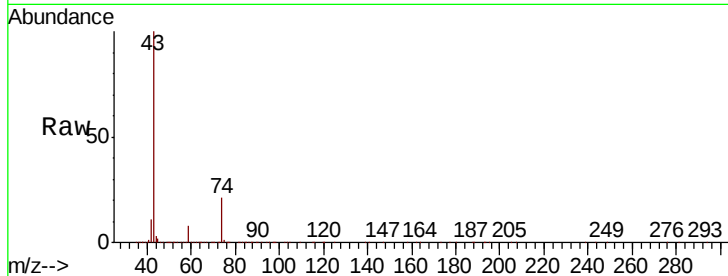




#15
Methvl Acetate
Concen: 43.632 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

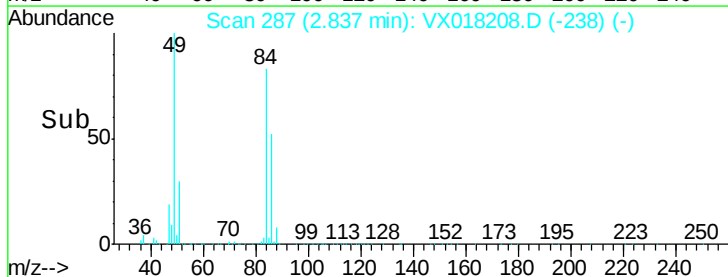
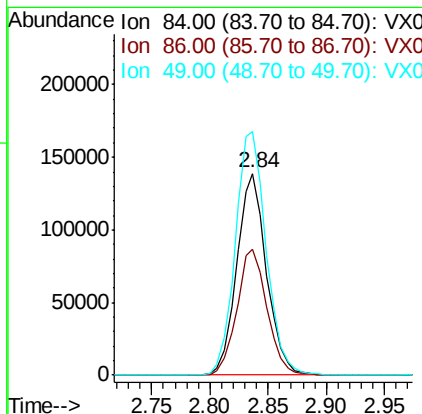
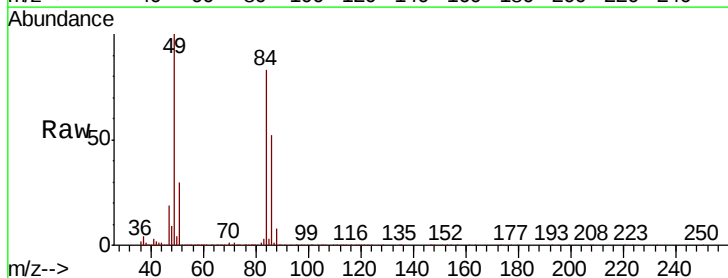
Instrument :
MSVOA_X
ClientSampleId :
VSTD05033

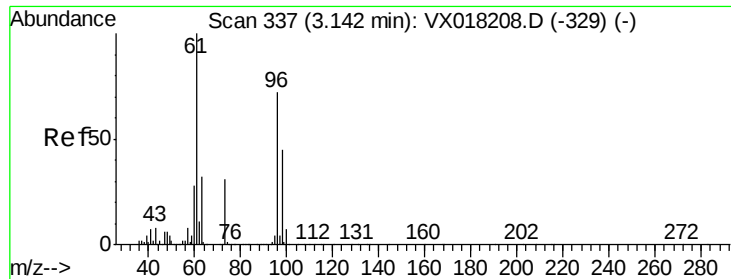
Tot Ion: 43 Resp: 258496
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



#16
Methylene chloride
Concen: 51.971 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

Tgt Ion: 84 Resp: 246267
Ion Ratio Lower Upper
84 100
86 62.3 43.6 81.0
49 120.7 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 52.939 ug/L

RT: 3.14 min Scan# 337

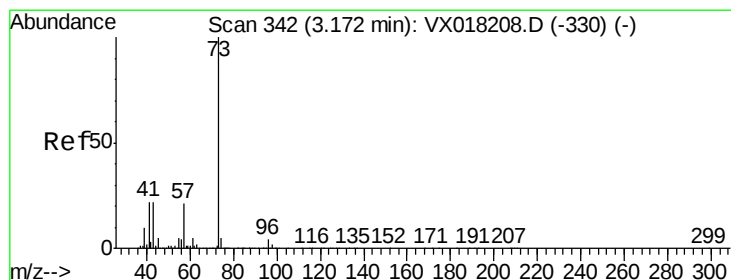
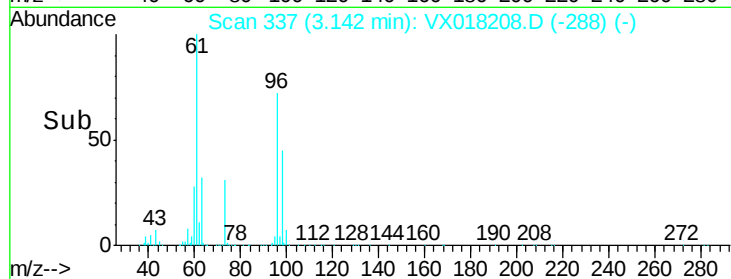
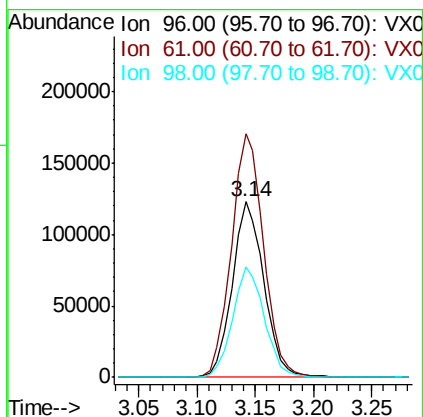
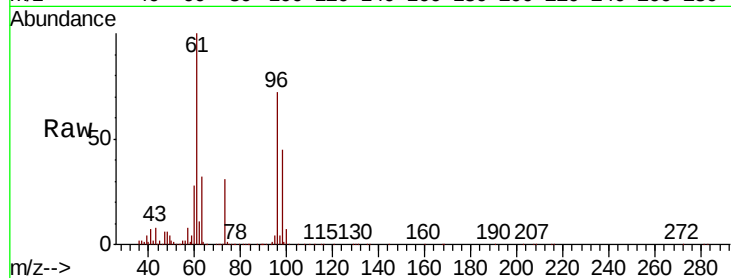
Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD05033

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	97.1	180.3
98	62.7	43.9	81.5



#18

Methyl tert-butyl Ether

Concen: 53.506 ug/L

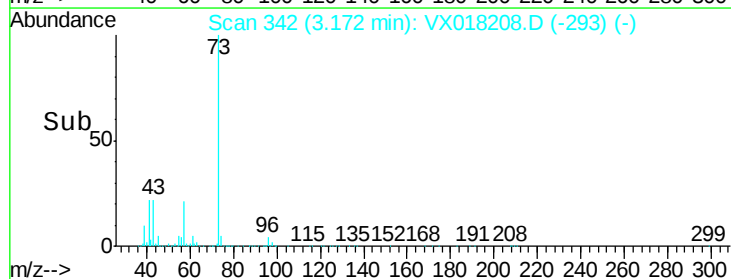
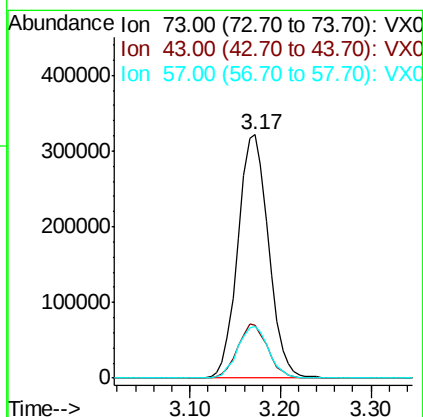
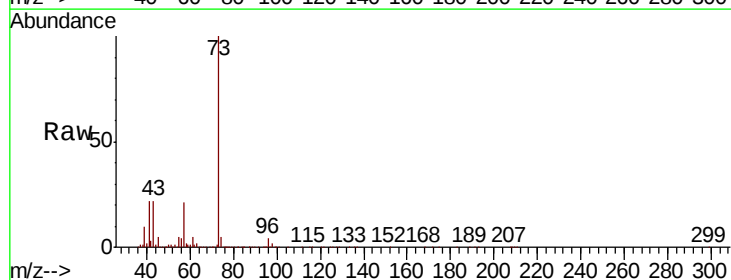
RT: 3.17 min Scan# 342

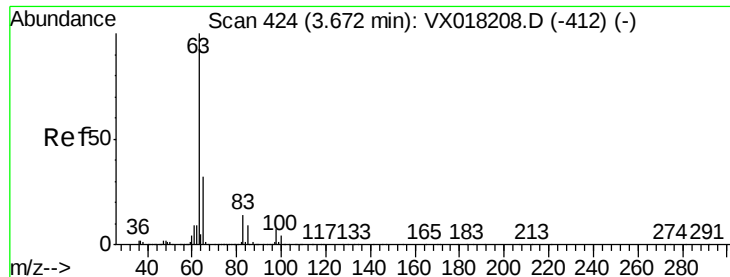
Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.4	26.2
57	21.4	17.1	25.7





#19

1,1-Dichloroethane

Concen: 51.548 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD05033

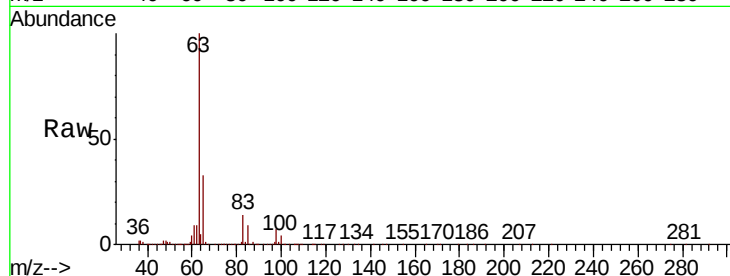
Tot Ion: 63 Resp: 434984

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

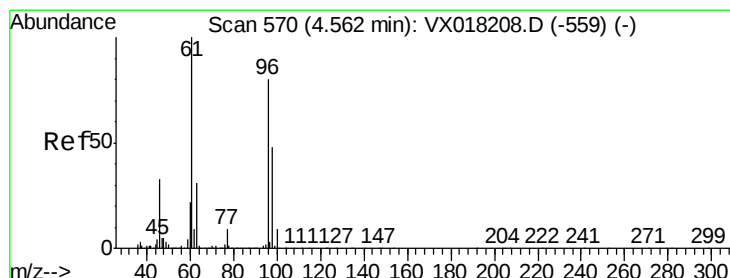
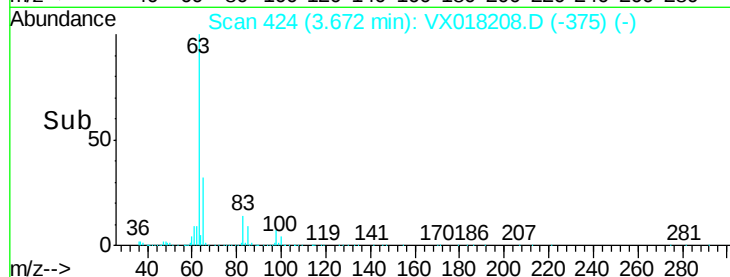
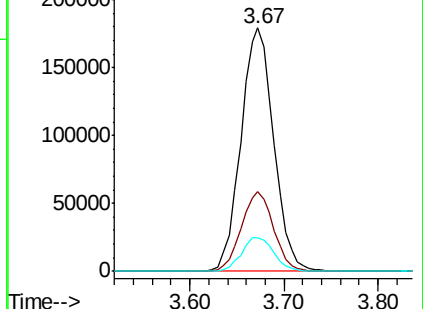
83 13.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 51.600 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

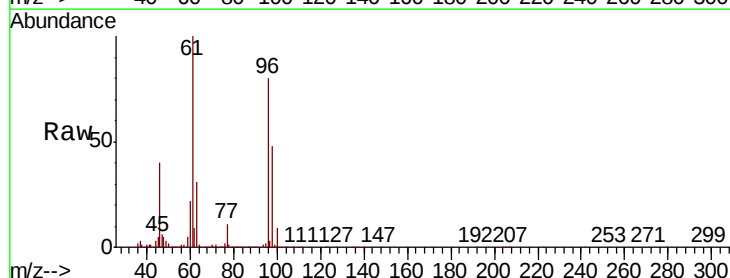
Tgt Ion: 96 Resp: 255331

Ion Ratio Lower Upper

96 100

61 125.7 88.0 163.4

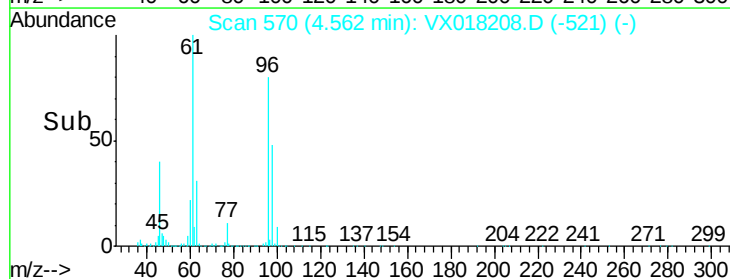
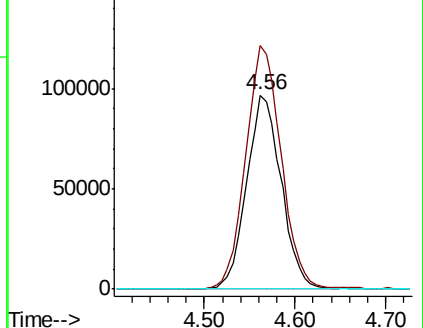
68 0.1 0.1 0.1#

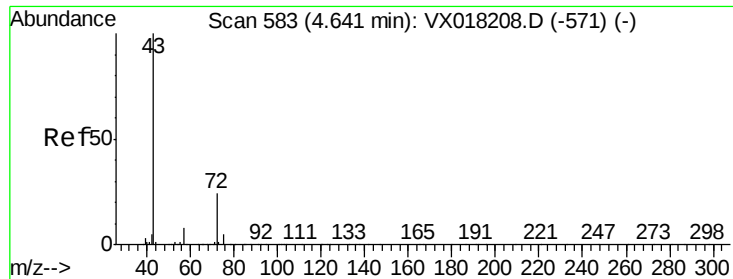


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 78.590 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

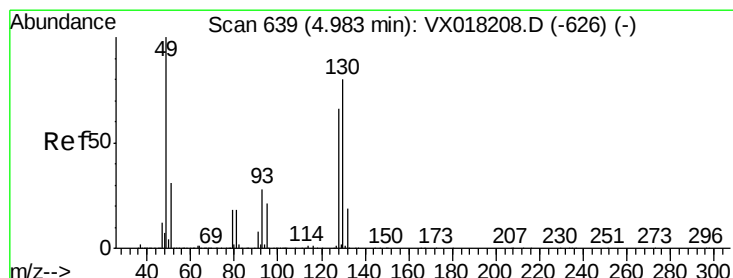
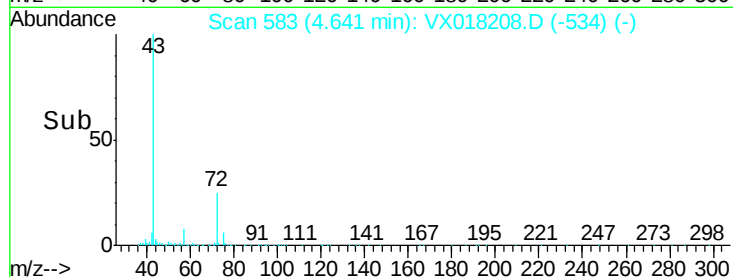
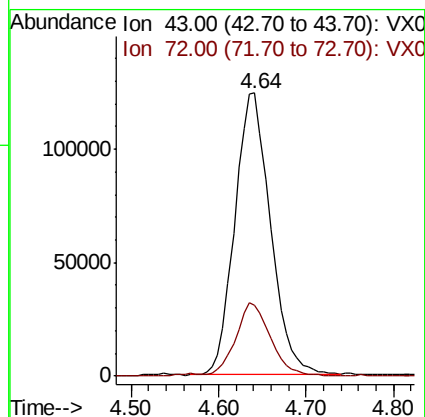
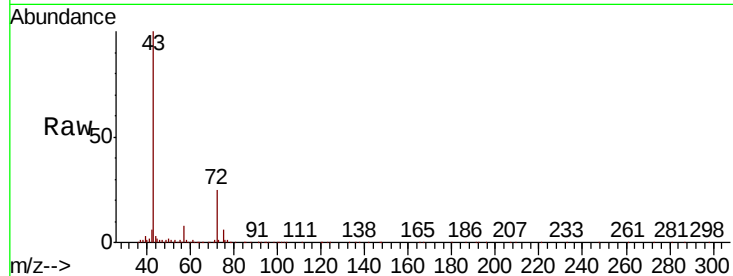
VSTD05033

Tot Ion: 43 Resp: 353659

Ion Ratio Lower Upper

43 100

72 25.4 12.7 38.1



#23

Bromochloromethane

Concen: 53.753 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Tgt Ion: 128 Resp: 135335

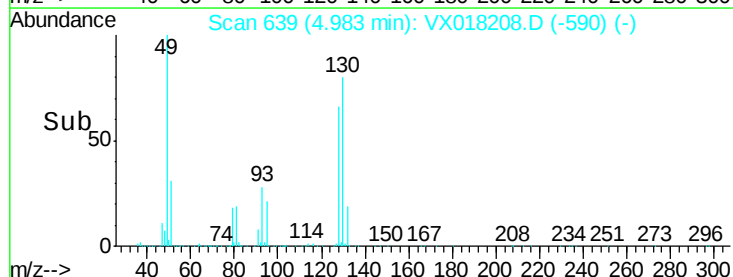
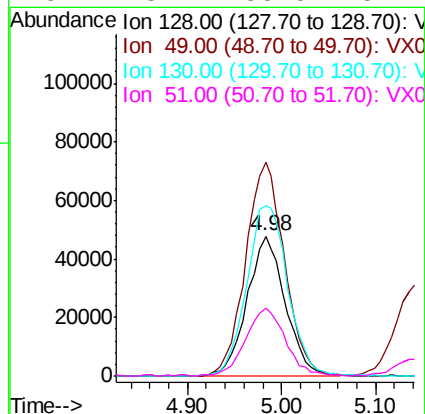
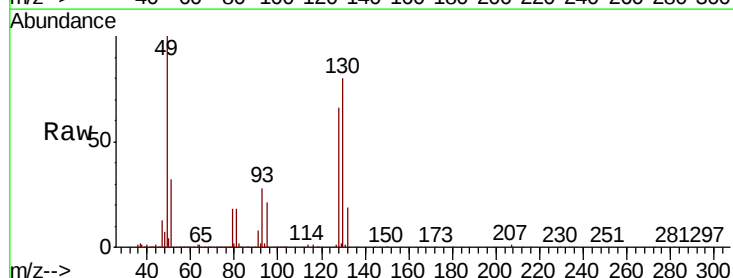
Ion Ratio Lower Upper

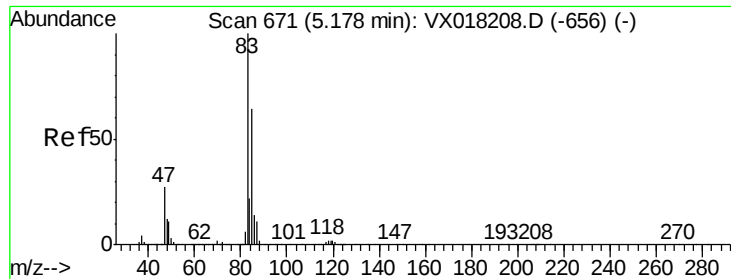
128 100

49 152.6 106.8 198.4

130 121.9 85.3 158.5

51 48.1 38.5 57.7





#25

Chloroform

Concen: 51.892 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

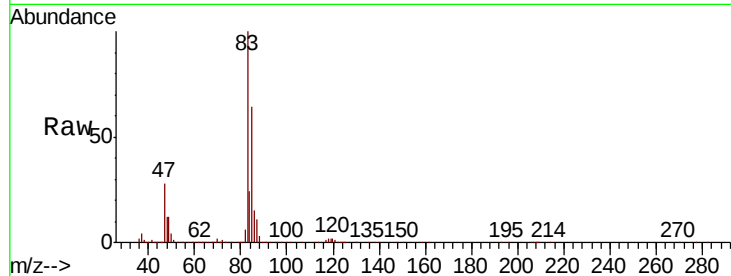
VSTD05033

Tot Ion: 83 Resp: 487450

Ion Ratio Lower Upper

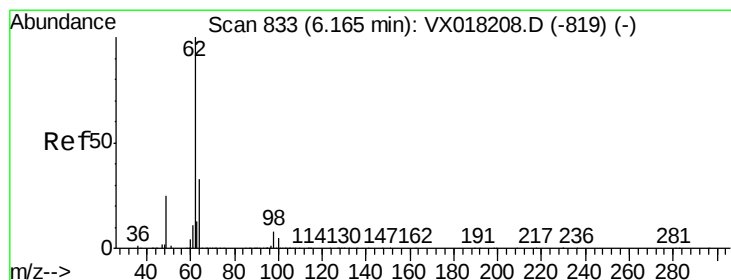
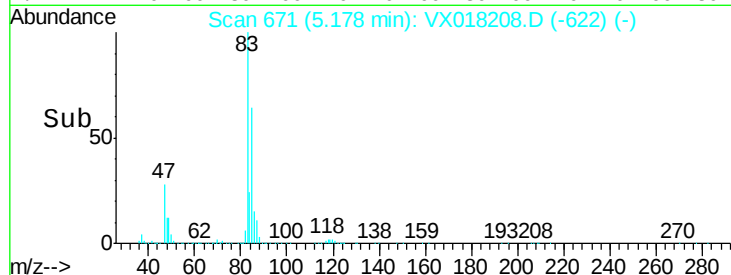
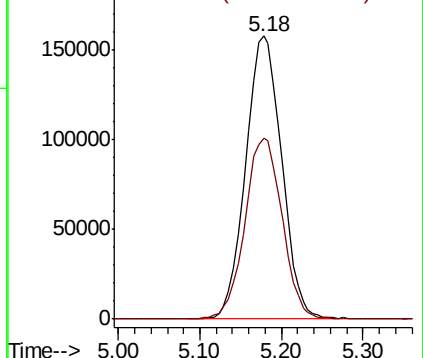
83 100

85 63.9 44.7 83.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 49.467 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018208.D

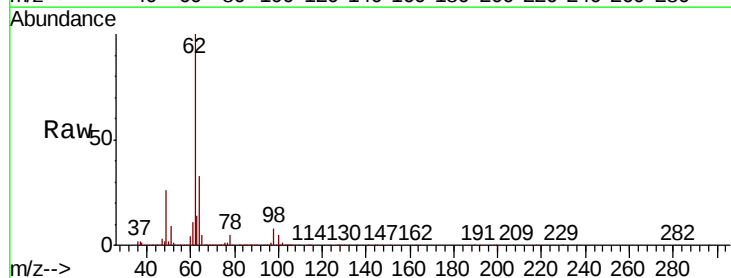
Acq: 02 Sep 2020 10:31

Tgt Ion: 62 Resp: 382657

Ion Ratio Lower Upper

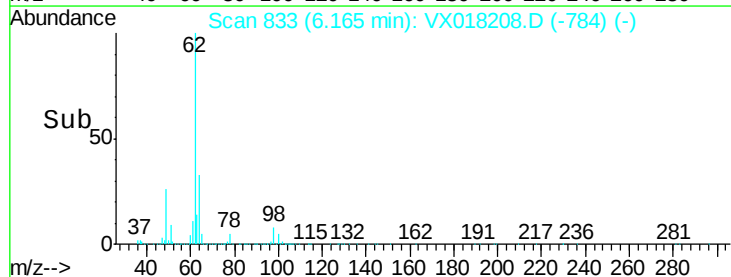
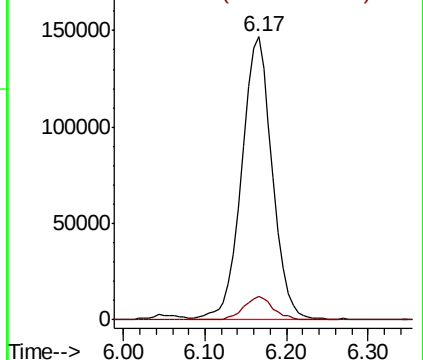
62 100

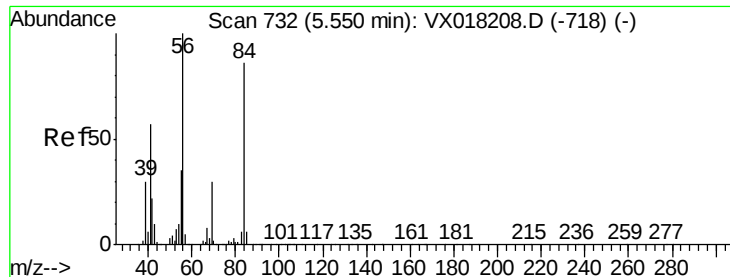
98 8.2 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

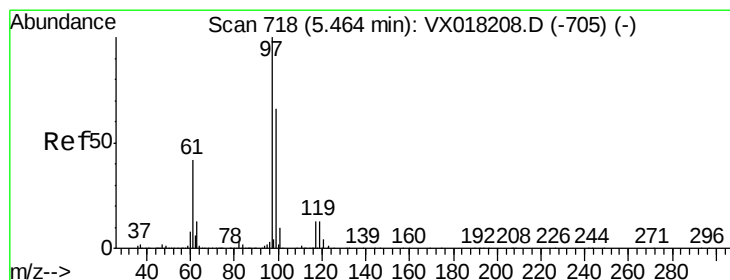
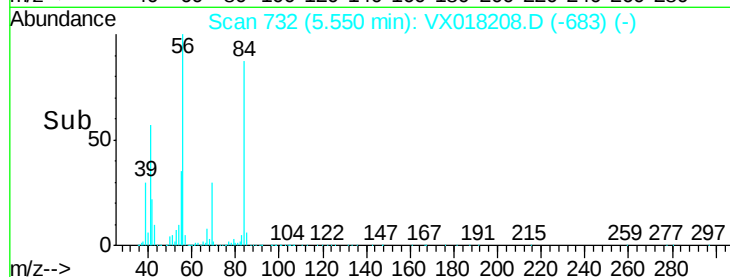
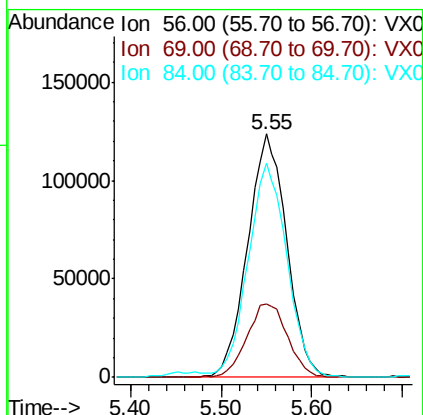
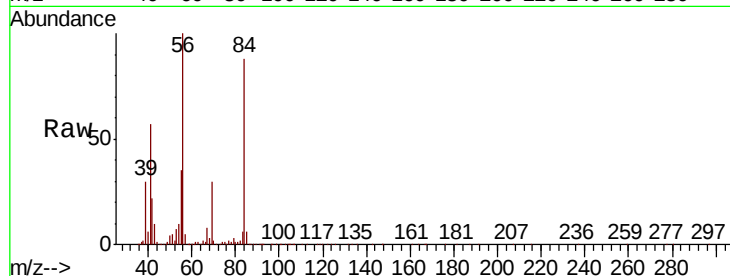




#29
Cyclohexane
Concen: 50.492 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

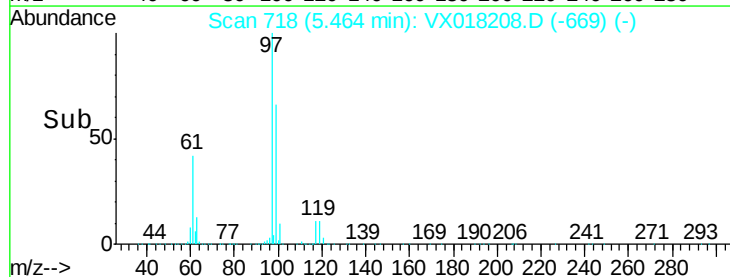
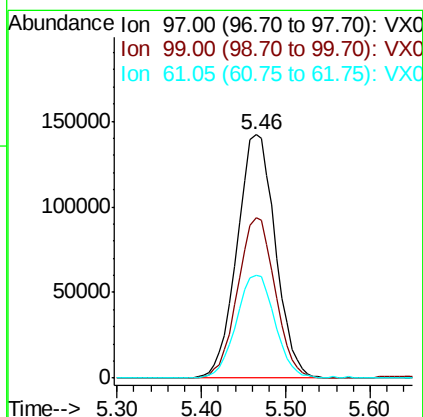
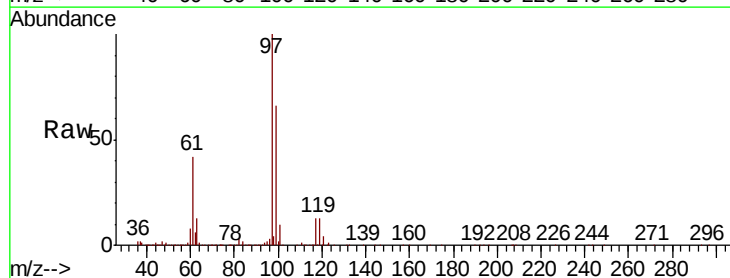
Instrument :
MSVOA_X
ClientSampleId :
VSTD05033

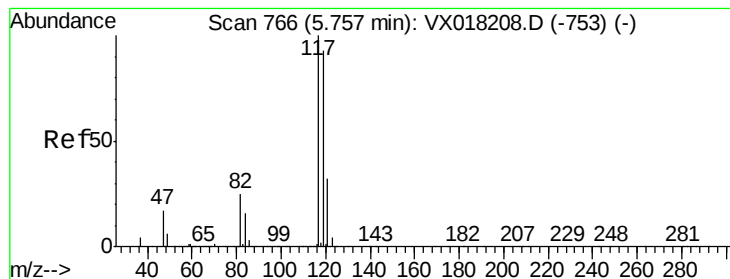
Tot Ion: 56 Resp: 366478
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.2
84 87.4 69.8 104.8



#30
1,1,1-Trichloroethane
Concen: 53.767 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

Tgt Ion: 97 Resp: 437957
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 42.3 33.8 50.6





#31

Carbon tetrachloride

Concen: 59.361 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

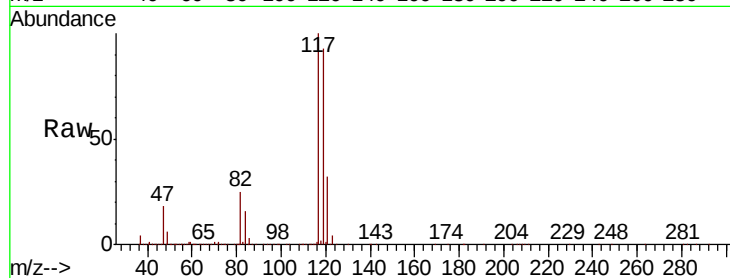
VSTD05033

Tot Ion:117 Resp: 410429

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.76

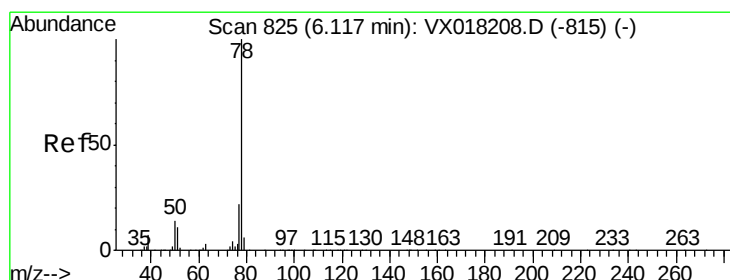
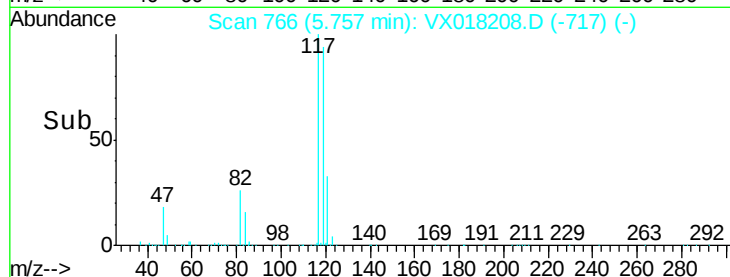
150000

100000

50000

0

Time--> 5.60 5.70 5.80



#33

Benzene

Concen: 50.895 ug/L

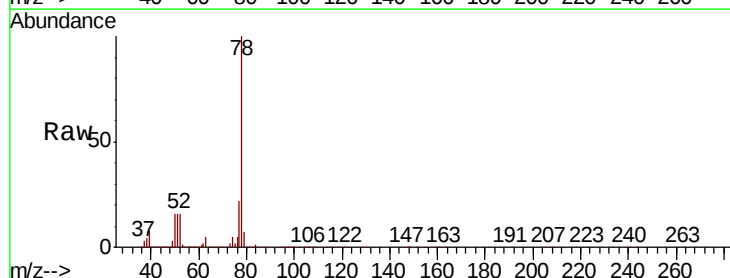
RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Tgt Ion: 78 Resp: 940439



Abundance Ion 78.00 (77.70 to 78.70): VX0

6.12

400000

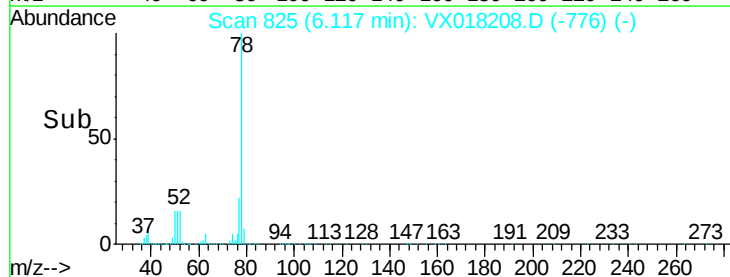
300000

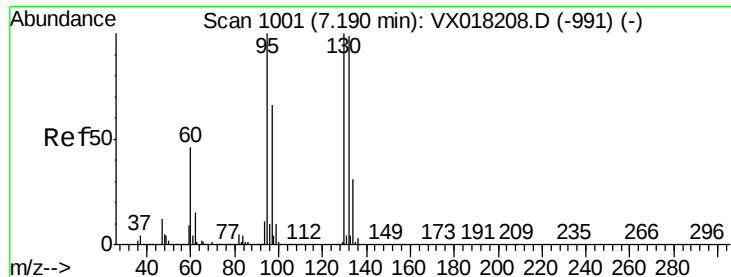
200000

100000

0

Time--> 6.00 6.05 6.10 6.15 6.20





#34

Trichloroethene

Concen: 52.973 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD05033

Tot Ion: 95 Resp: 260742

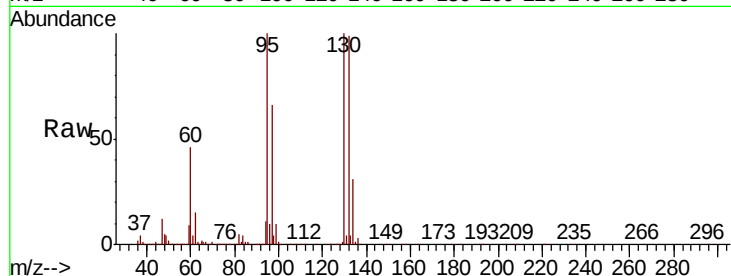
Ion Ratio Lower Upper

95 100

97 66.0 46.2 85.8

132 98.8 69.2 128.4

130 100.2 70.1 130.3

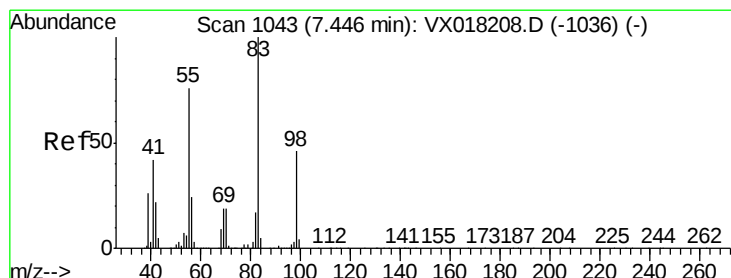
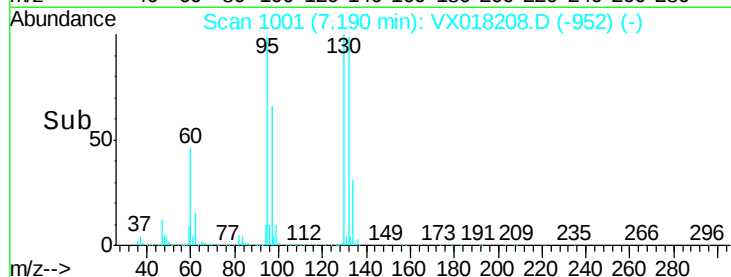
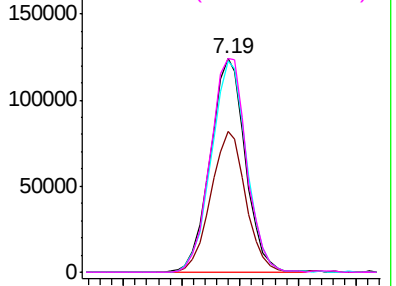


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.191 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

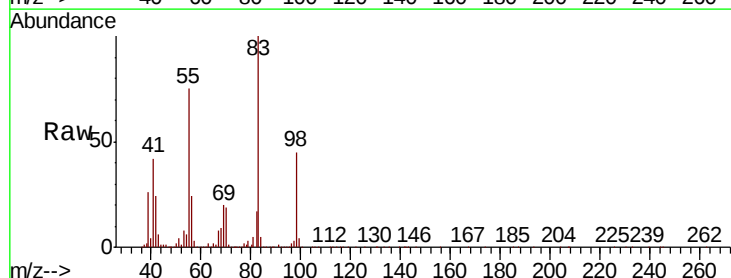
Tgt Ion: 83 Resp: 377960

Ion Ratio Lower Upper

83 100

55 78.4 62.6 94.0

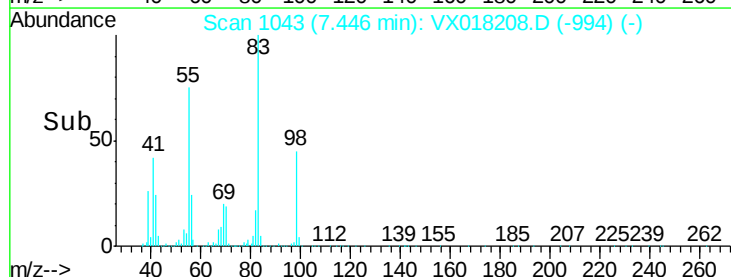
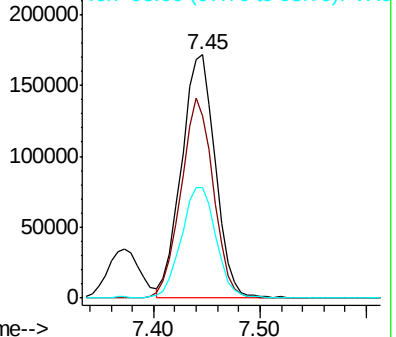
98 46.4 37.1 55.7

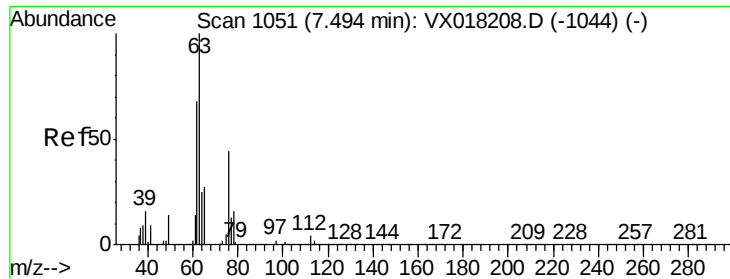


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

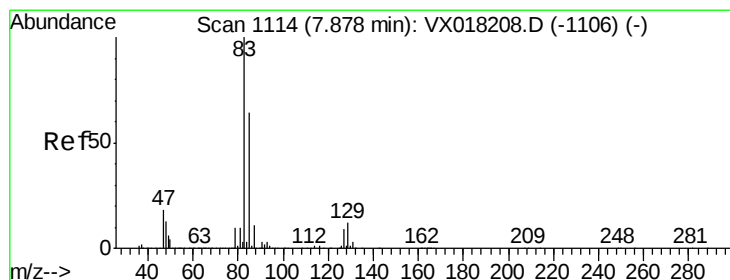
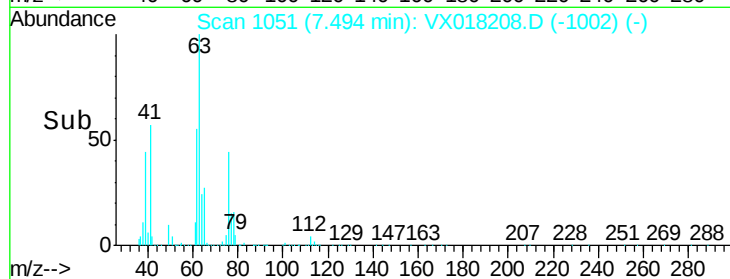
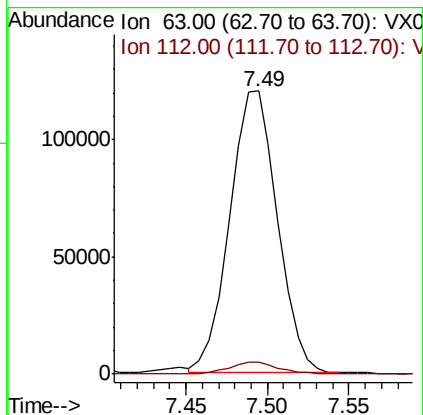
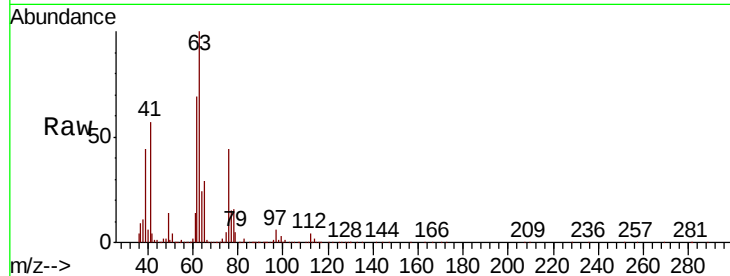




#37
 1,2-Dichloropropane
 Concen: 49.019 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

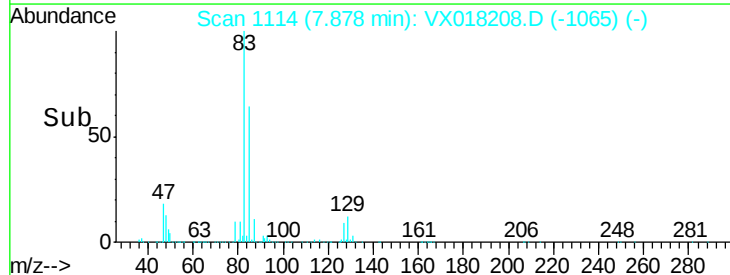
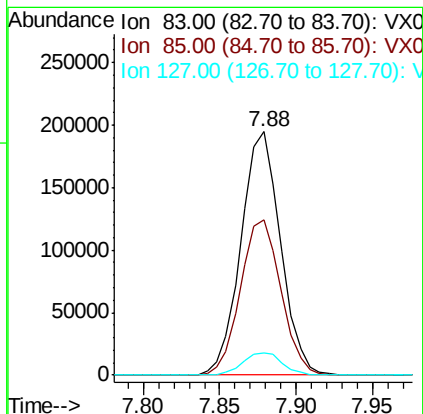
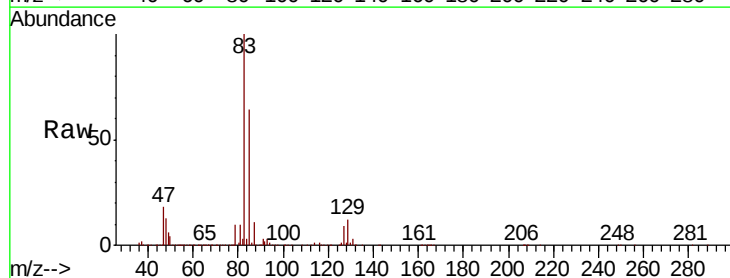
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD05033

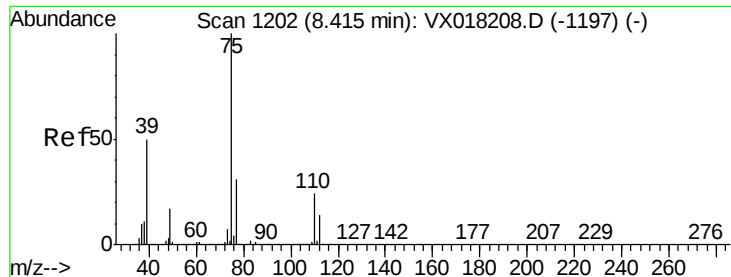
Tot Ion: 63 Resp: 244248
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 52.291 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Tgt Ion: 83 Resp: 349667
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 9.3 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 53.180 ug/L

RT: 8.41 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

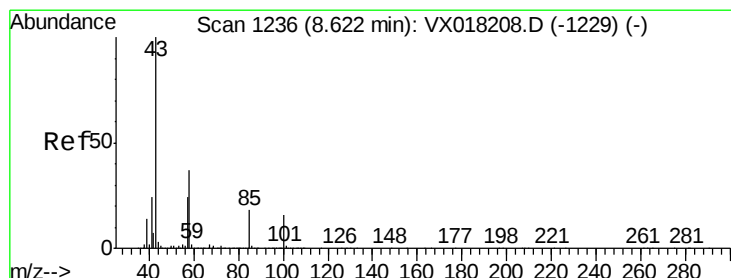
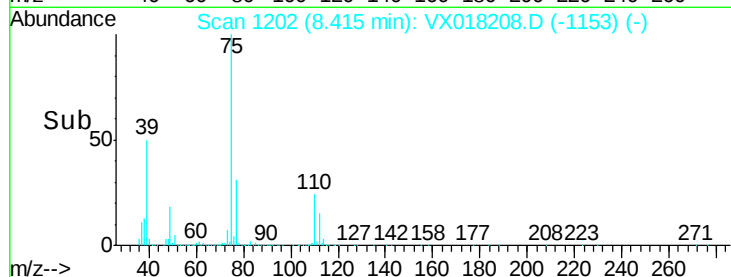
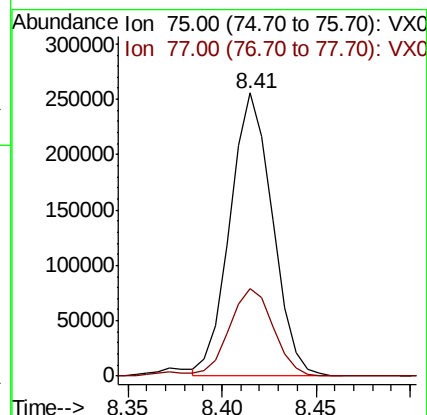
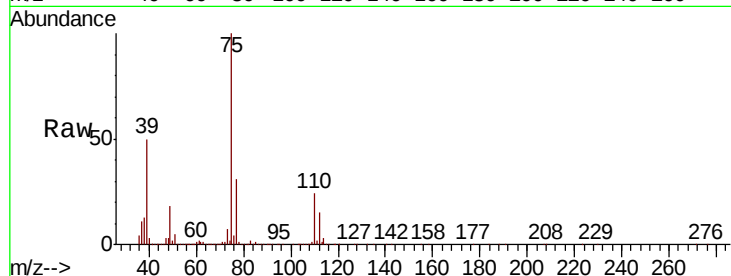
VSTD05033

Tot Ion: 75 Resp: 399873

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 85.002 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

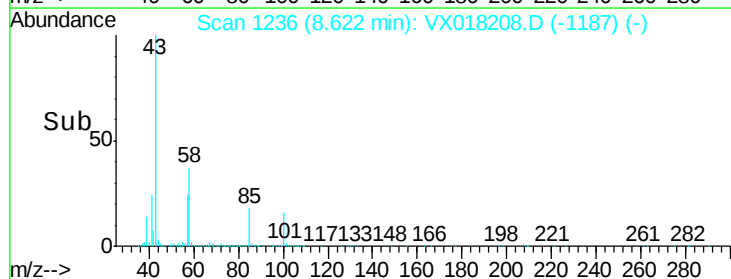
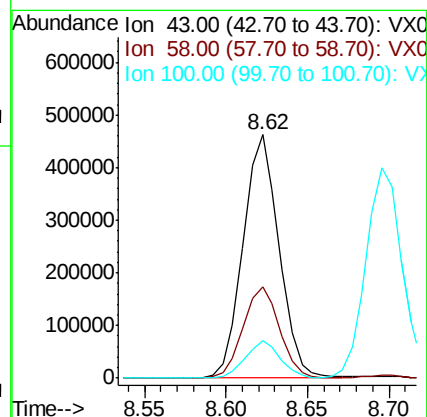
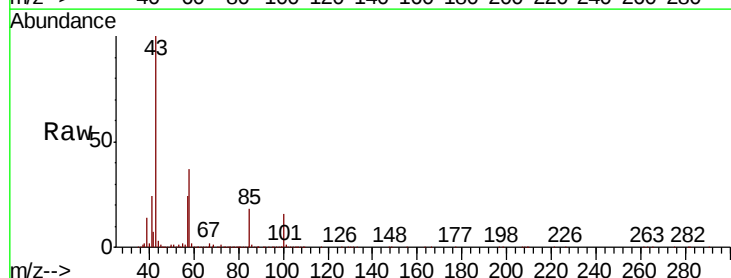
Tgt Ion: 43 Resp: 709587

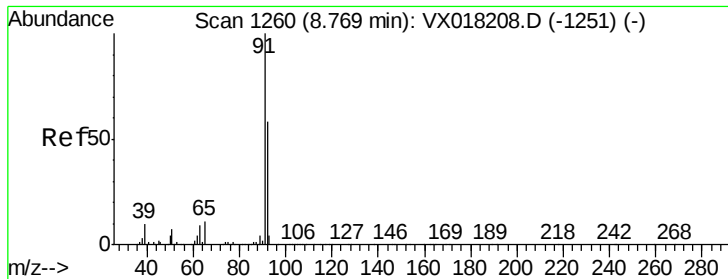
Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5

100 14.9 11.9 17.9





#42

Toluene

Concen: 51.013 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

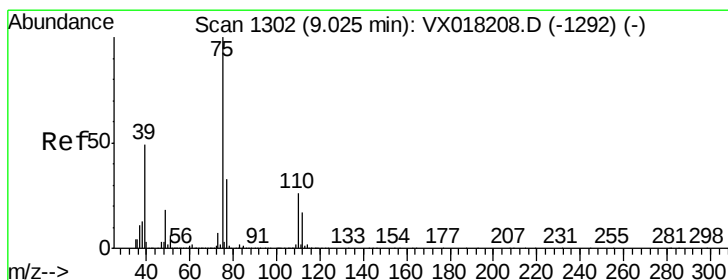
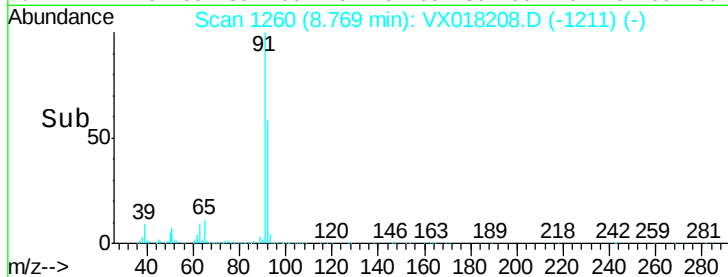
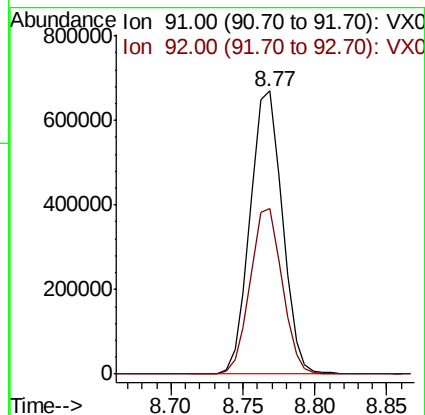
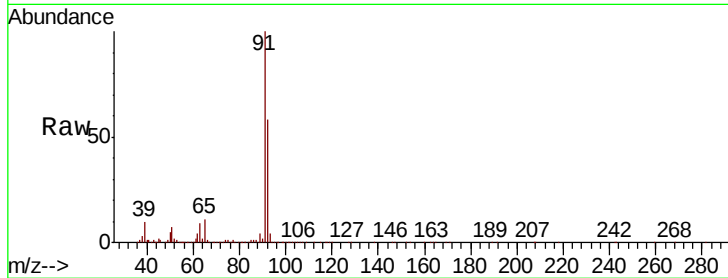
VSTD05033

Tot Ion: 91 Resp: 1036675

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 55.873 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018208.D

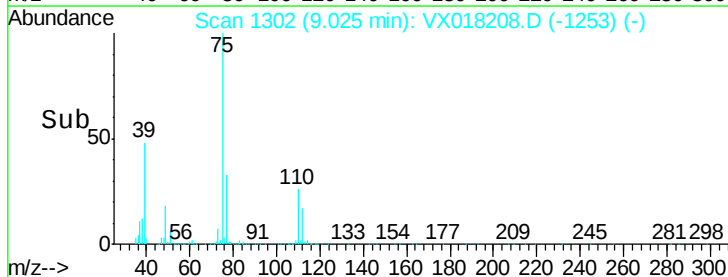
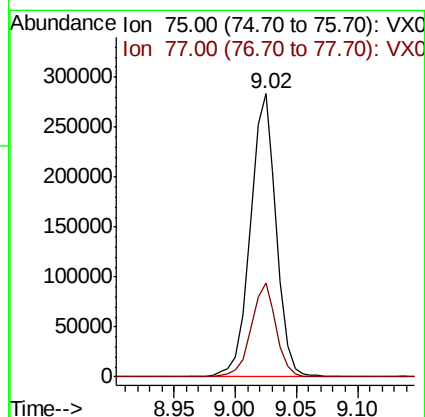
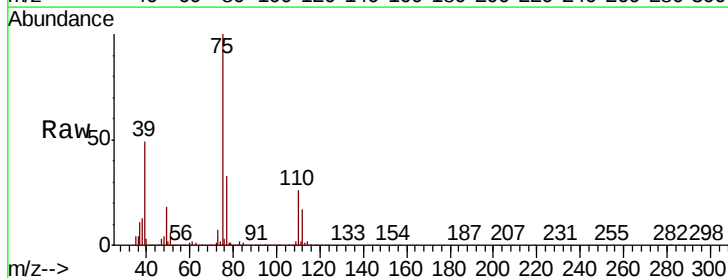
Acq: 02 Sep 2020 10:31

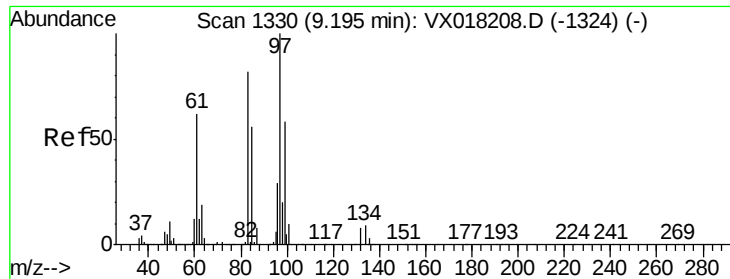
Tgt Ion: 75 Resp: 416187

Ion Ratio Lower Upper

75 100

77 33.1 23.2 43.0

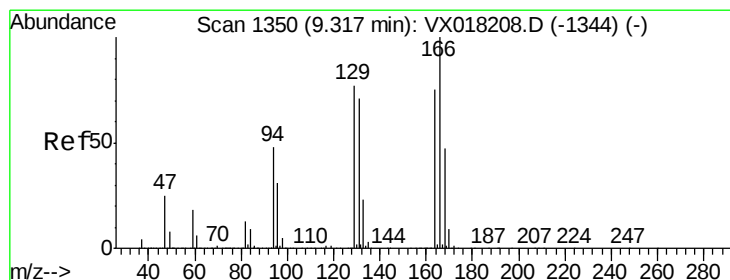
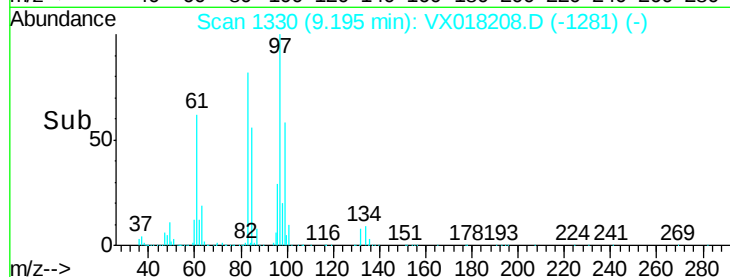
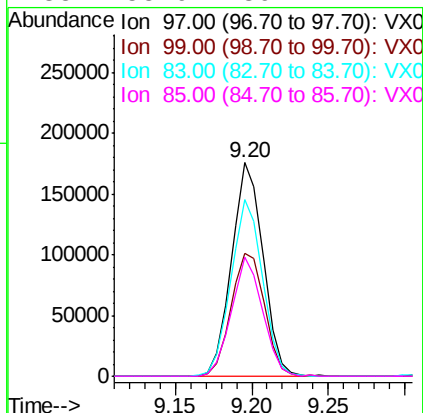
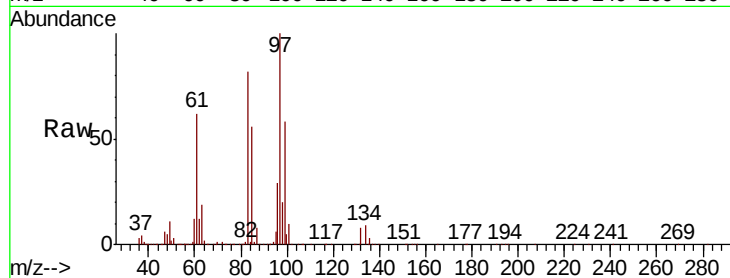




#45
 1,1,2-Trichloroethane
 Concen: 52.204 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

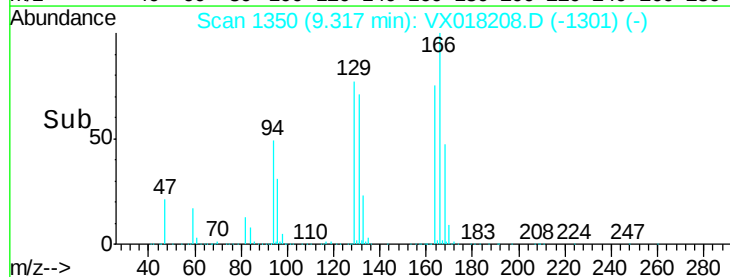
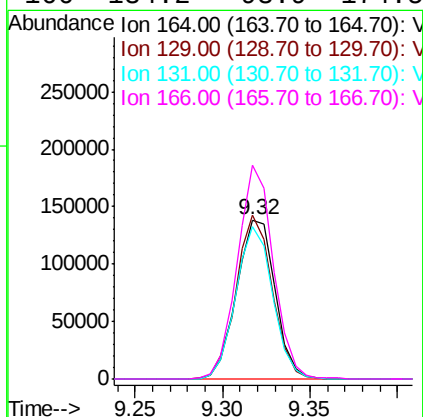
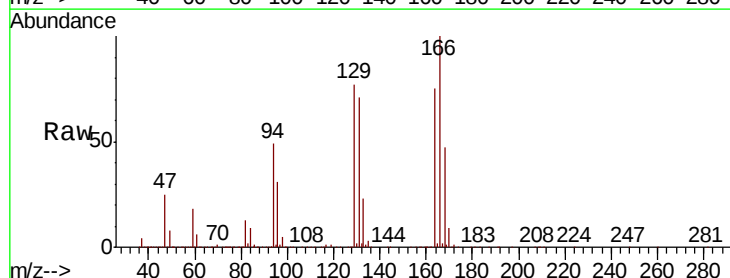
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05033

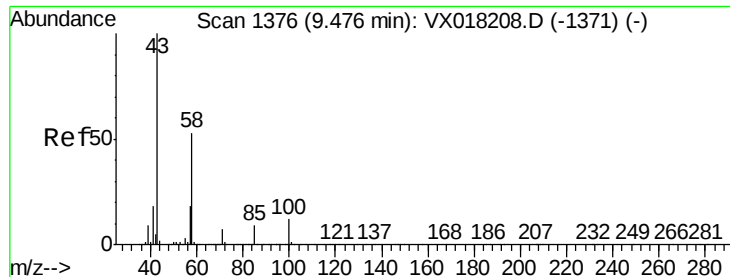
Tot Ion:	97	Resp:	251191
Ion	Ratio	Lower	Upper
97	100		
99	57.6	40.3	74.9
83	82.4	57.7	107.1
85	55.9	39.1	72.7



#46
 Tetrachloroethene
 Concen: 55.365 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Tgt Ion:	164	Resp:	211471
Ion	Ratio	Lower	Upper
164	100		
129	102.8	72.0	133.6
131	95.5	66.8	124.2
166	134.2	93.9	174.5

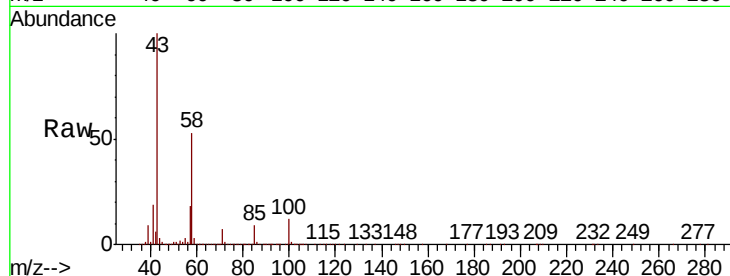




#48
2-Hexanone
Concen: 84.196 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD05033

Tot Ion:	43	Resp:	569556
Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.8	62.8
57	19.0	15.2	22.8
100	11.8	9.4	14.2



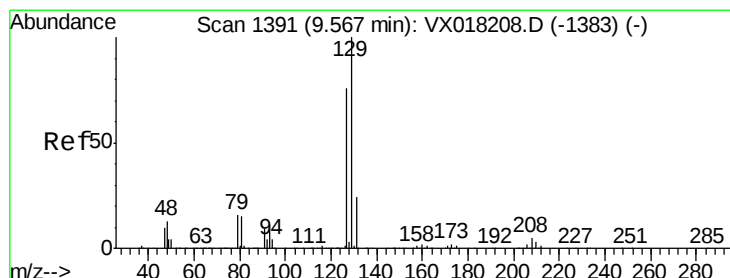
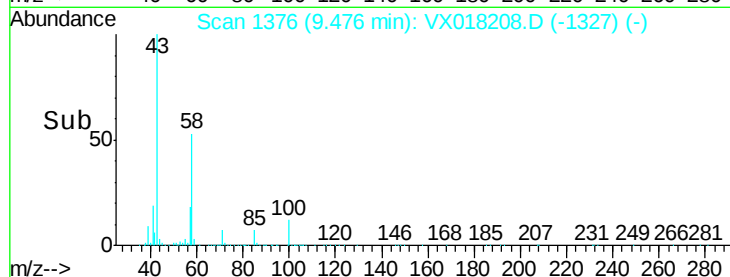
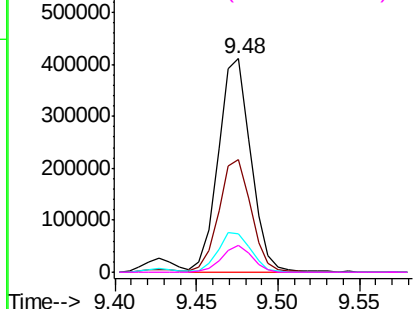
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

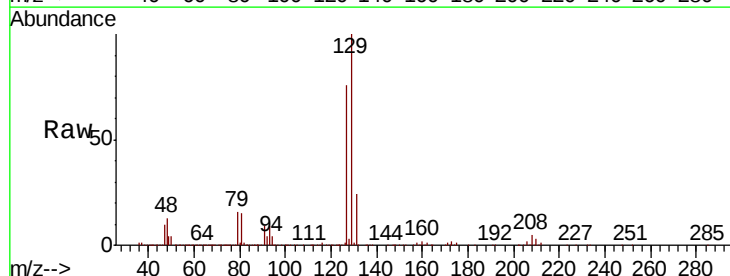
Ion 57.00 (56.70 to 57.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#49
Dibromochloromethane
Concen: 55.897 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018208.D
Acq: 02 Sep 2020 10:31

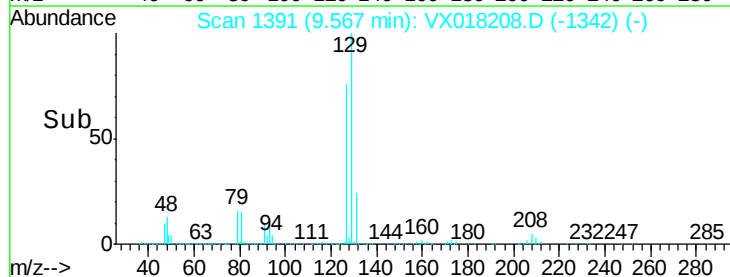
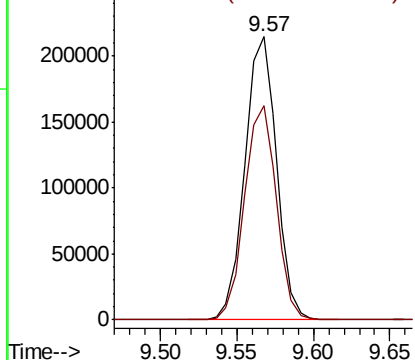
Tgt Ion:	129	Resp:	309198
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.1	98.5

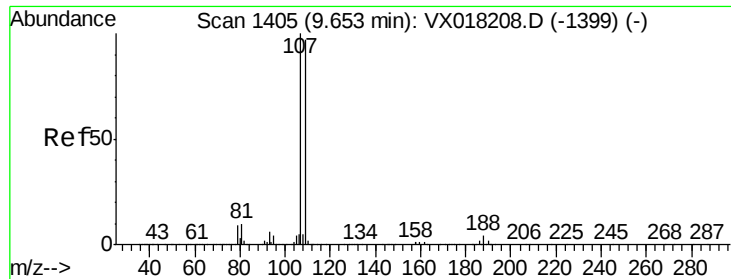


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

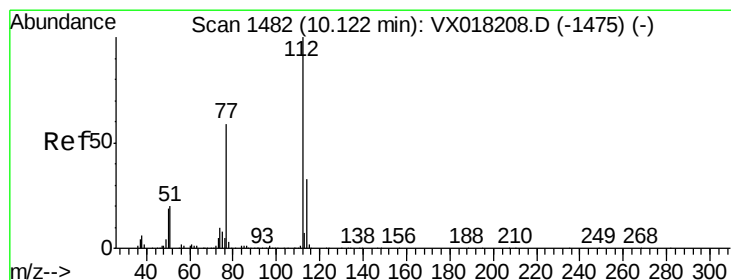
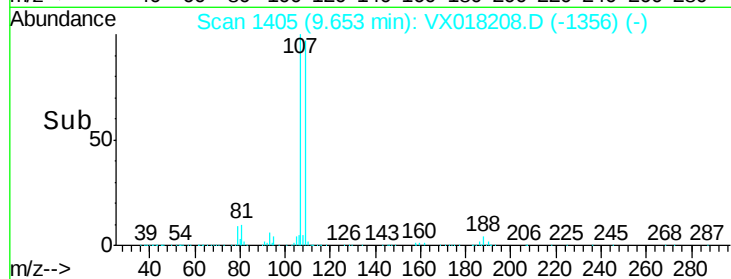
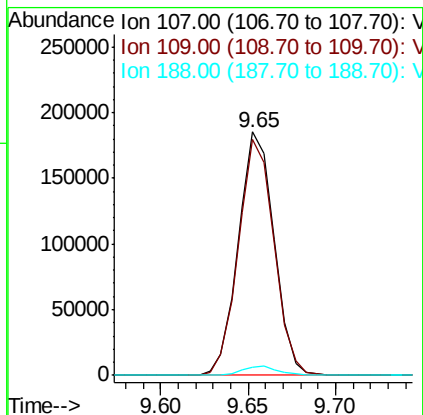
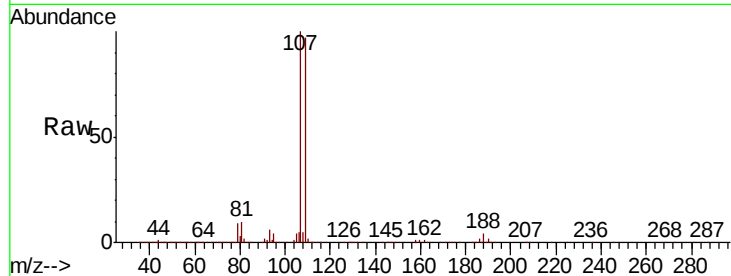




#50
 1,2-Dibromoethane
 Concen: 49.753 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

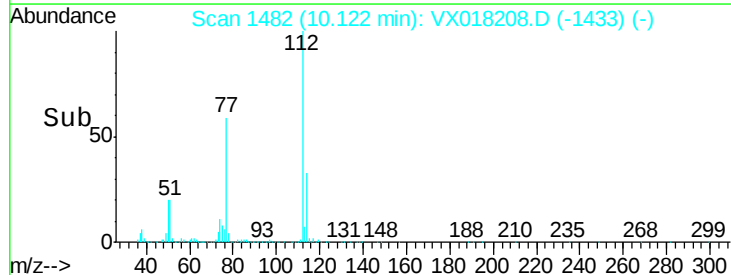
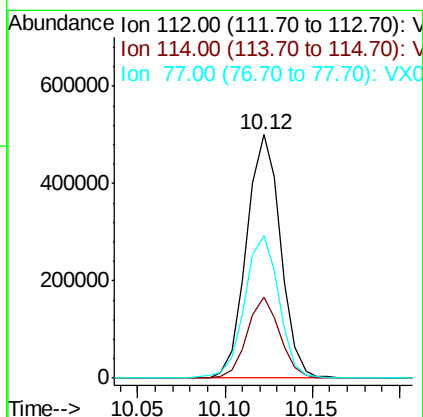
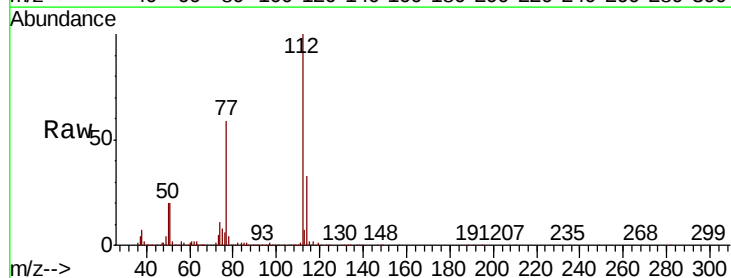
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05033

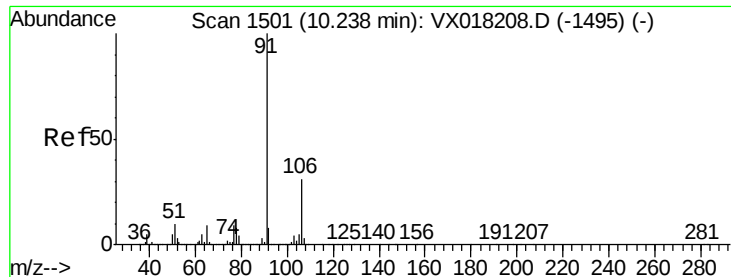
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	68.0	126.2
188	3.5	2.8	4.2



#51
 Chlorobenzene
 Concen: 52.082 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	23.2	43.2
77	58.8	47.0	70.6





#52

Ethylbenzene

Concen: 51.261 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

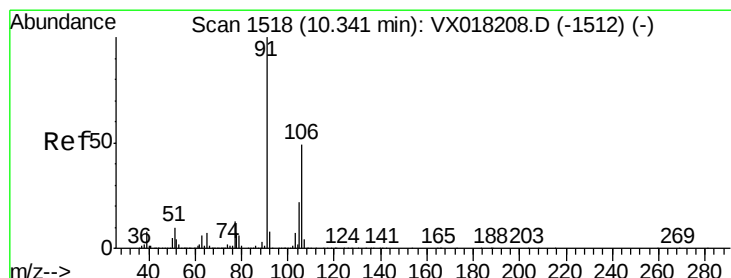
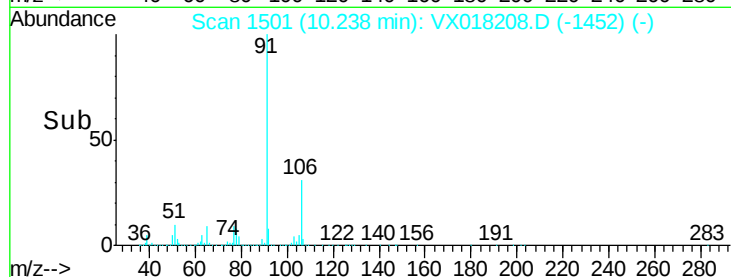
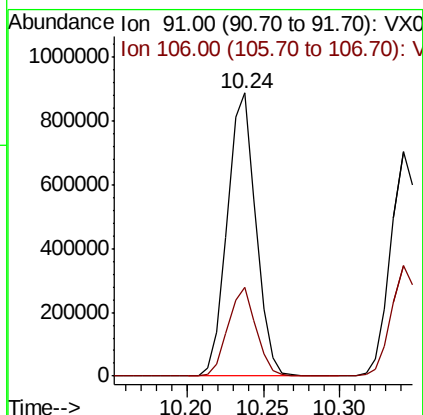
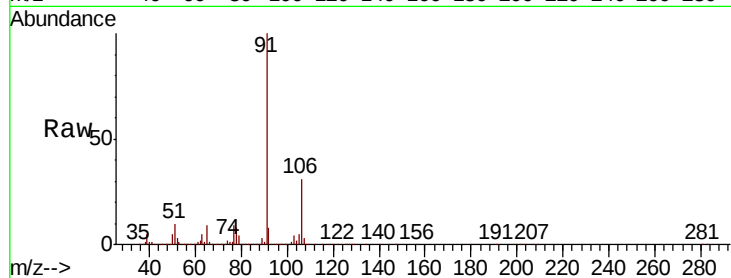
VSTD05033

Tot Ion: 91 Resp: 1149384

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



#53

m,p-Xylene

Concen: 51.769 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018208.D

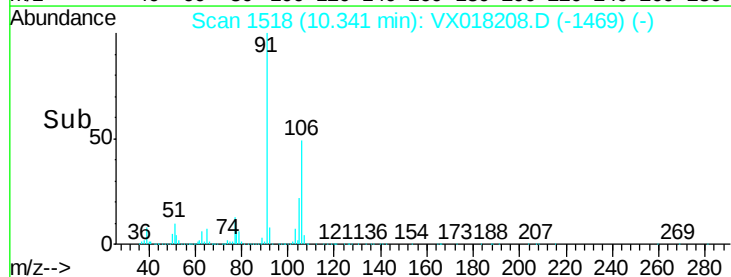
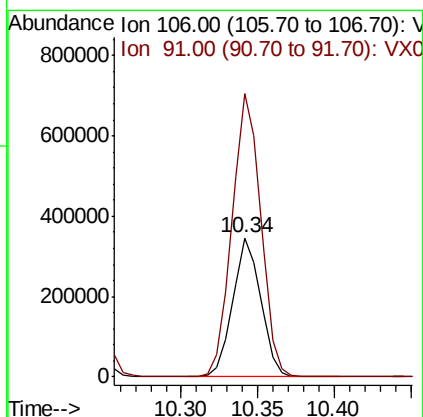
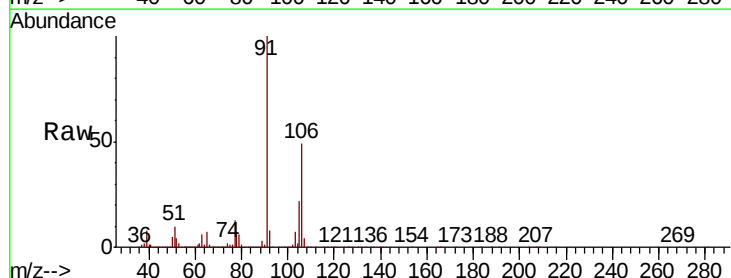
Acq: 02 Sep 2020 10:31

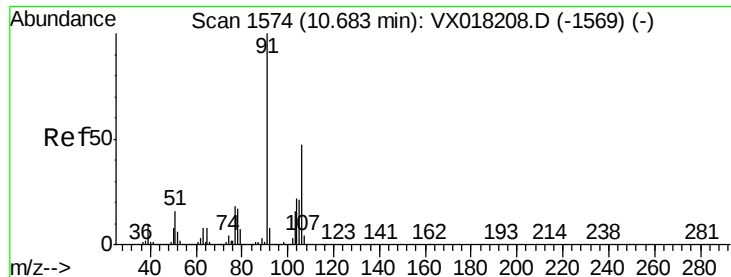
Tgt Ion: 106 Resp: 439644

Ion Ratio Lower Upper

106 100

91 203.2 142.2 264.2





#54

o-xylene

Concen: 52.799 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

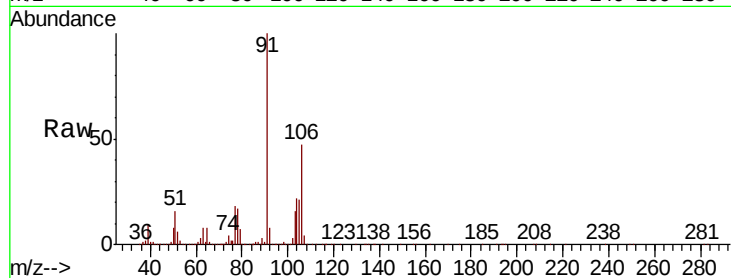
VSTD05033

Tot Ion:106 Resp: 430206

Ion Ratio Lower Upper

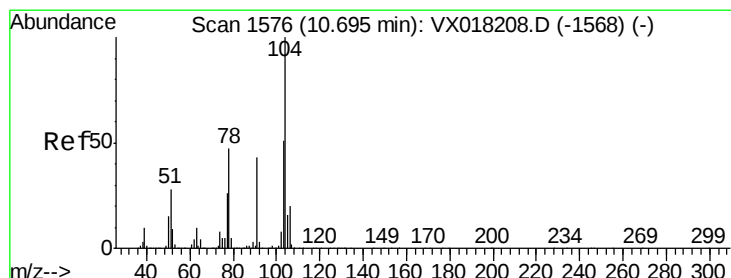
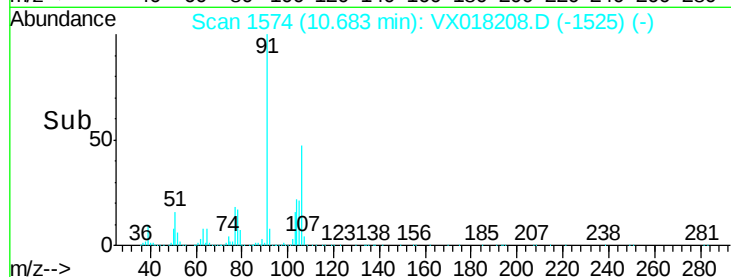
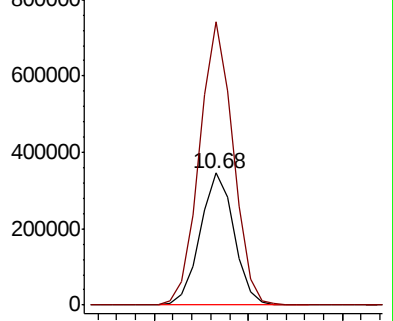
106 100

91 214.7 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 53.204 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018208.D

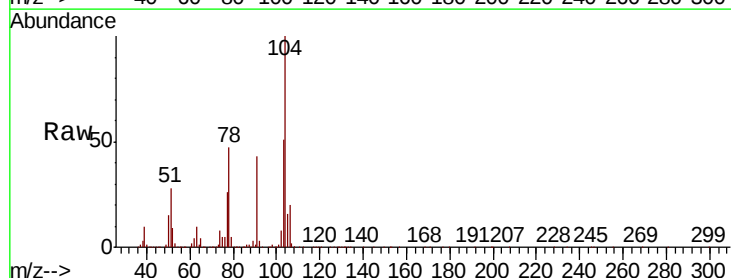
Acq: 02 Sep 2020 10:31

Tgt Ion:104 Resp: 749007

Ion Ratio Lower Upper

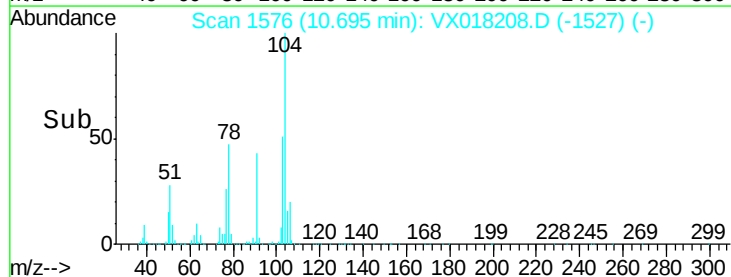
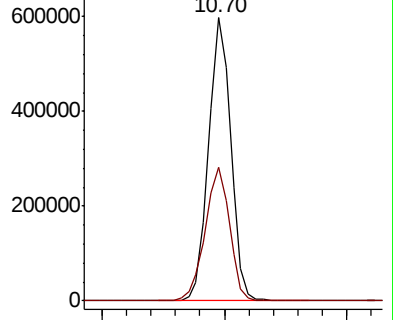
104 100

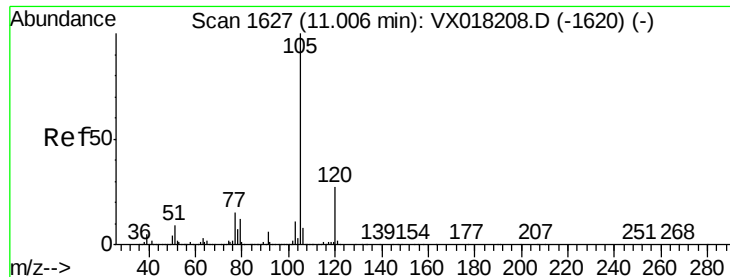
78 47.3 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0





#56

Isopropylbenzene

Concen: 51.918 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD05033

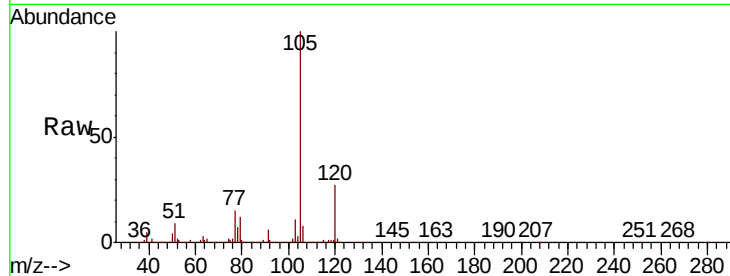
Tot Ion:105 Resp: 1146528

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

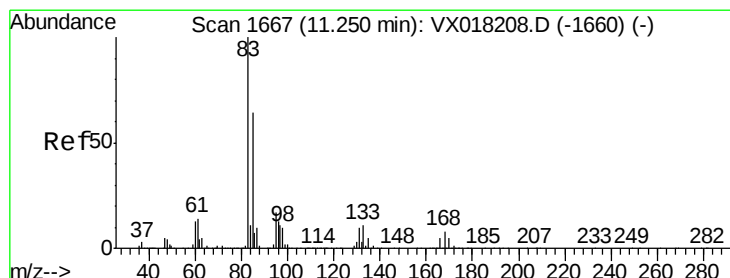
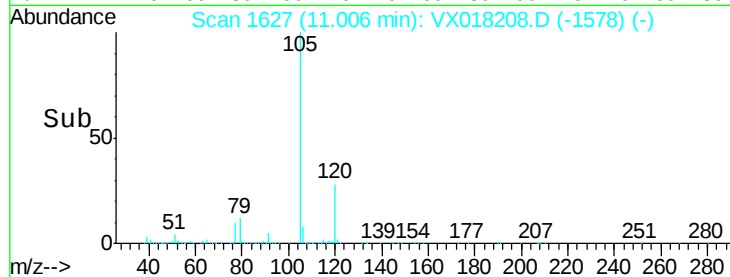
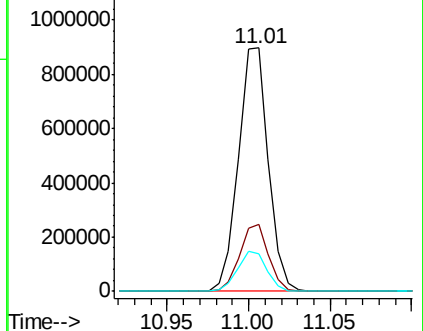
77 15.9 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 43.627 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

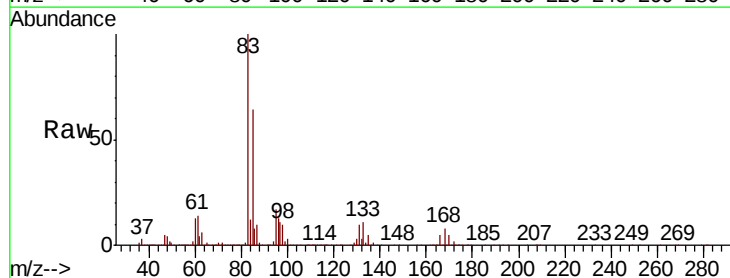
Tgt Ion: 83 Resp: 368846

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

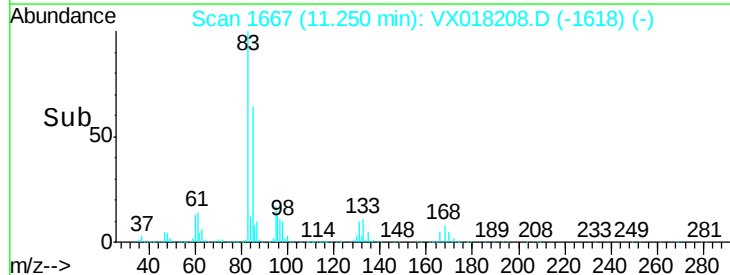
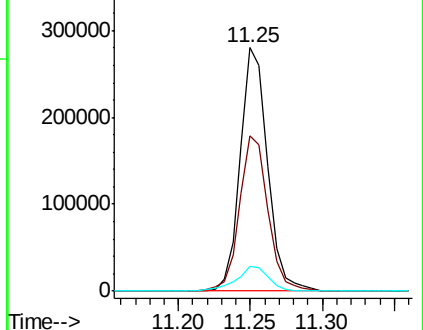
131 10.0 8.0 12.0

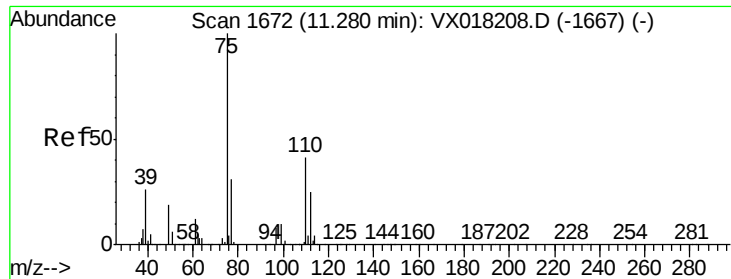


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 131.00 (130.70 to 131.70): V

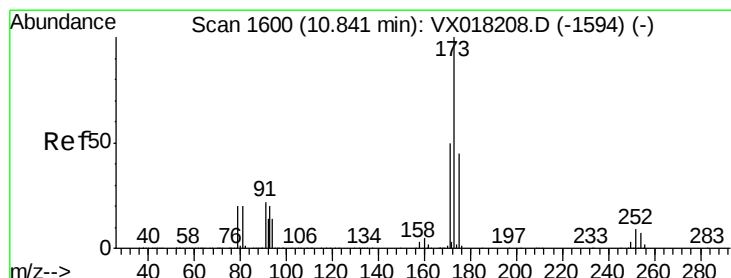
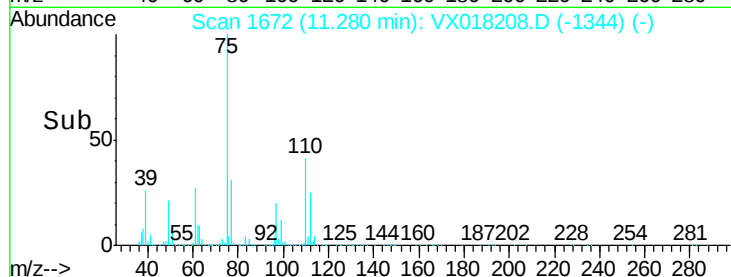
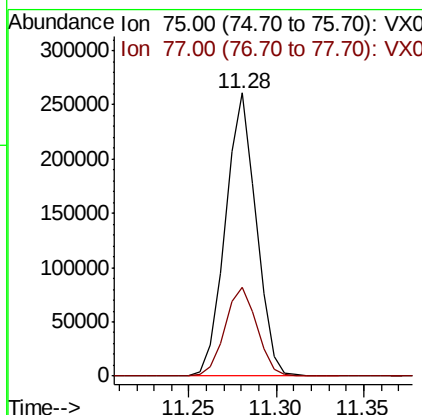
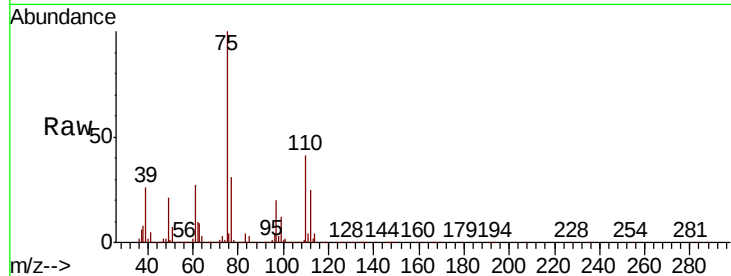




#59
 1,2,3-Trichloropropane
 Concen: 44.961 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

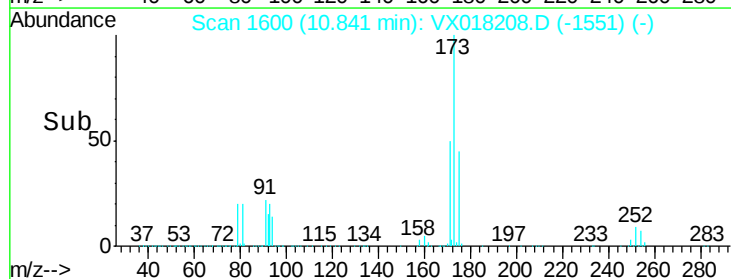
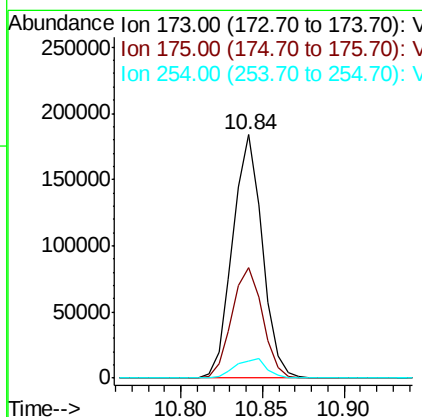
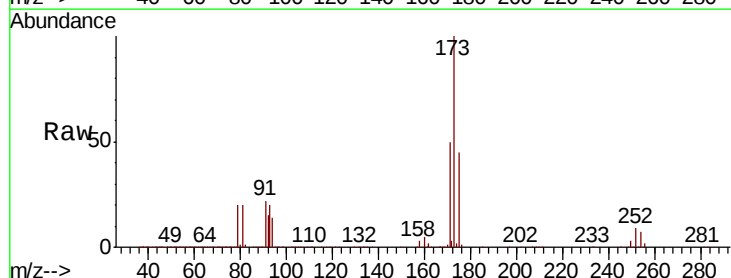
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD05033

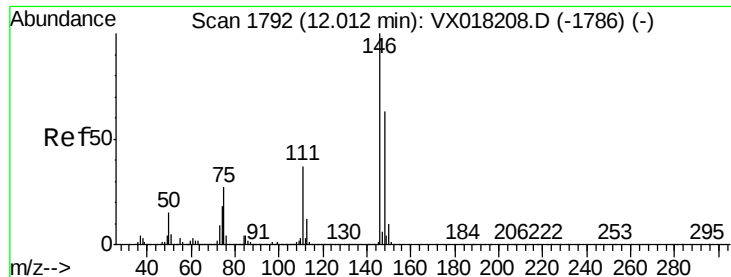
Tot Ion: 75 Resp: 319013
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 57.356 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Tgt Ion: 173 Resp: 233178
 Ion Ratio Lower Upper
 173 100
 175 47.4 37.9 56.9
 254 8.3 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 52.963 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD05033

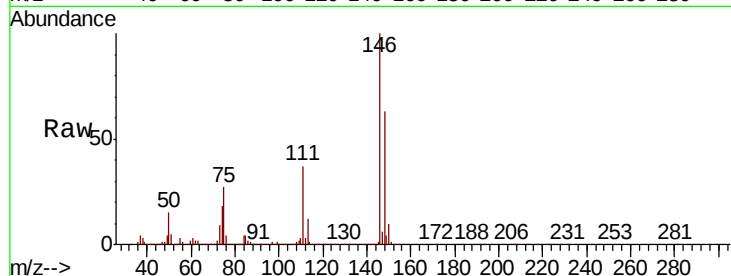
Tot Ion:146 Resp: 547745

Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.6

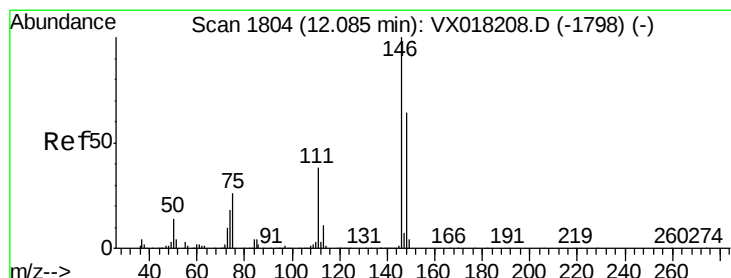
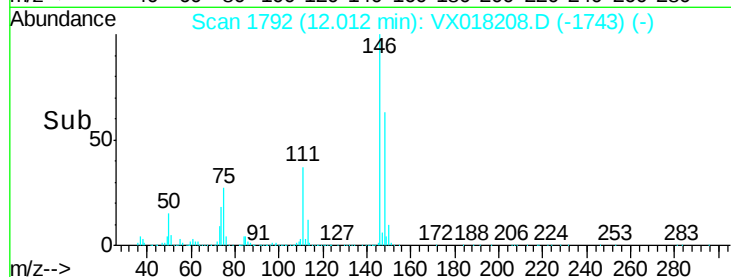
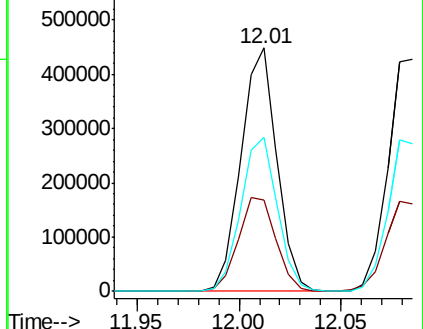
148 63.2 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.510 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

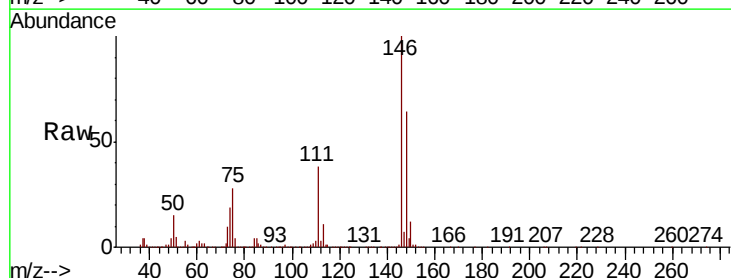
Tgt Ion:146 Resp: 542674

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

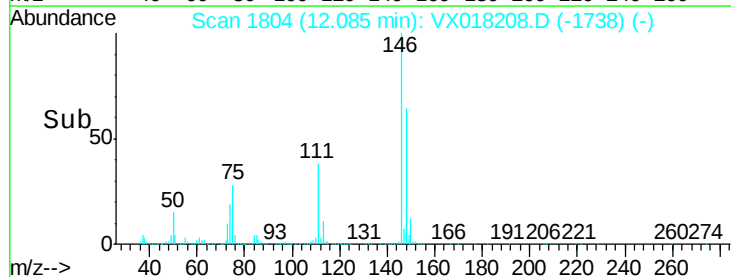
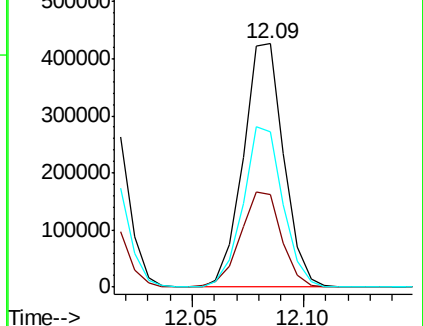
148 63.6 44.5 82.7

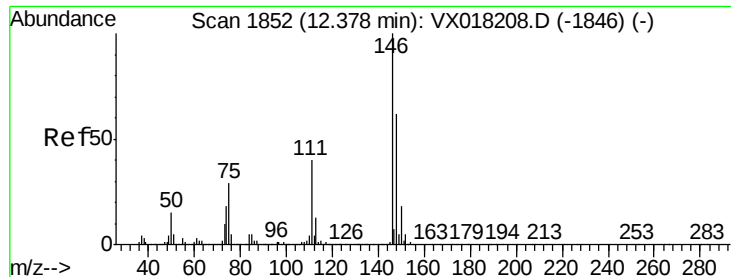


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

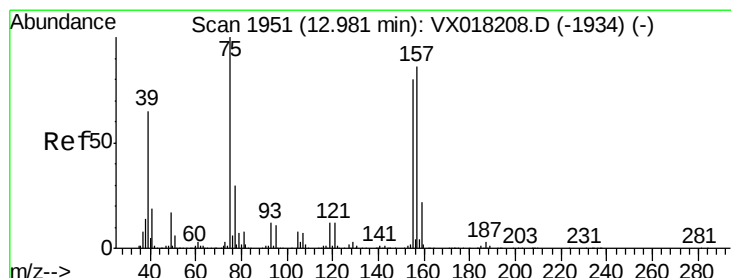
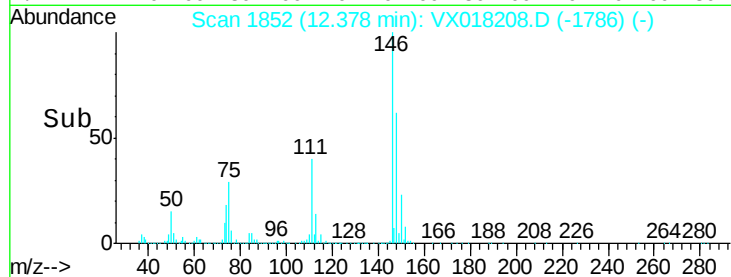
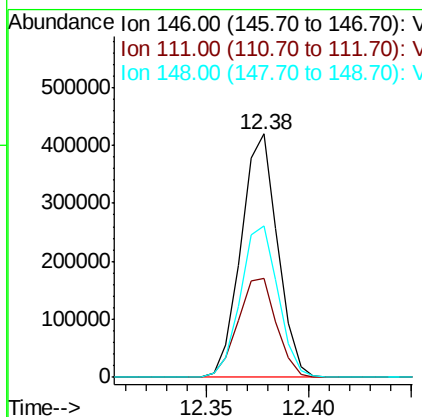
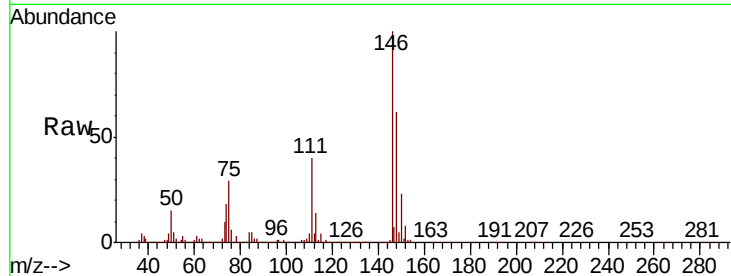




#65
 1,2-Dichlorobenzene
 Concen: 50.627 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

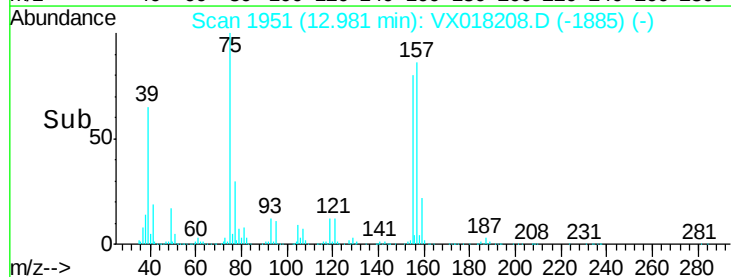
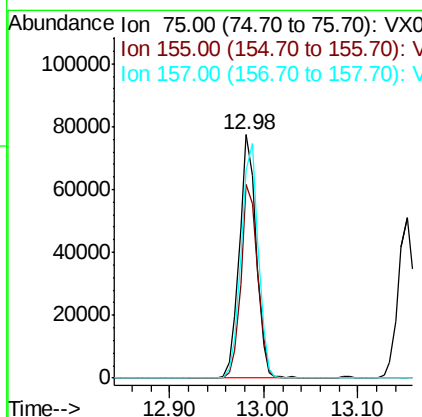
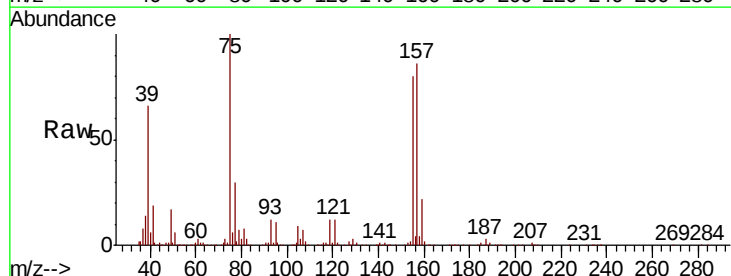
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD05033

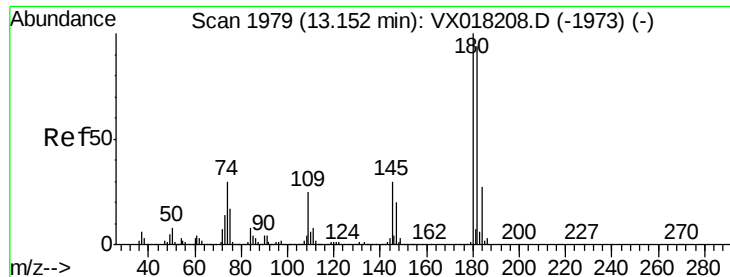
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.4	48.6
148	62.1	49.7	74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.168 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	63.8	95.8
157	85.6	68.5	102.7

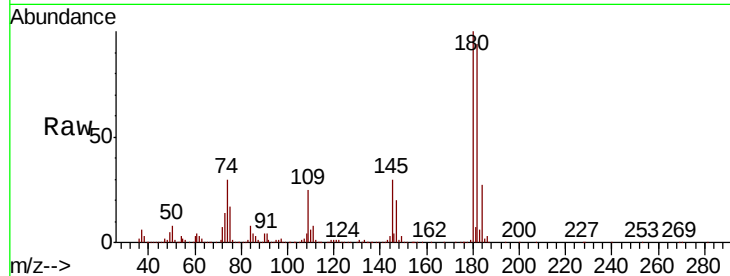




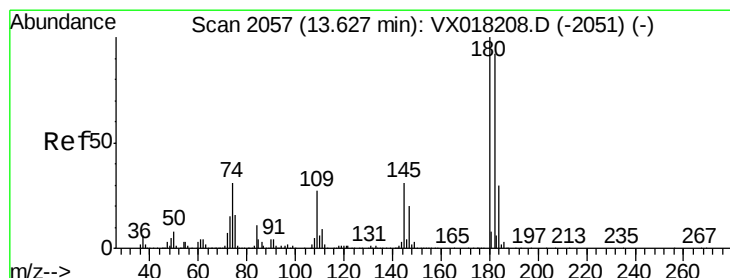
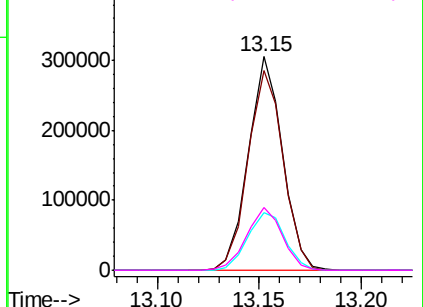
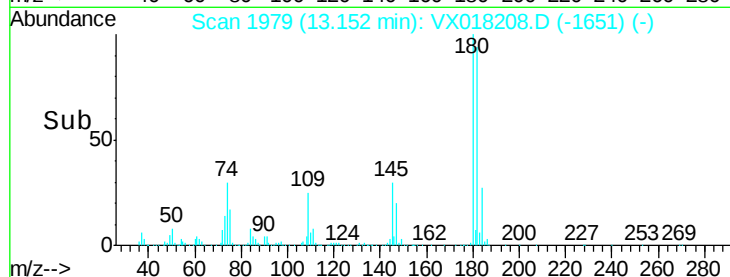
#67
 1,3,5-Trichlorobenzene
 Concen: 48.877 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05033

Tot Ion:180	Resp:	356012
Ion Ratio	Lower	Upper
180	100	
182	96.4	77.1 115.7
184	29.7	23.8 35.6
145	30.5	24.4 36.6

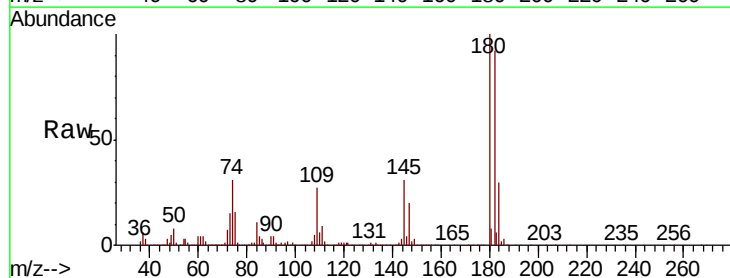


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

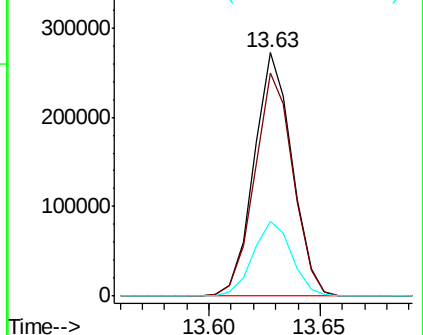
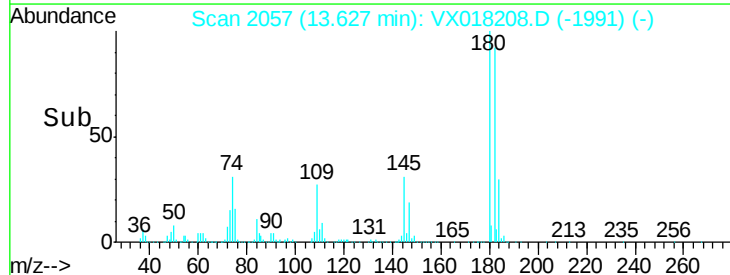


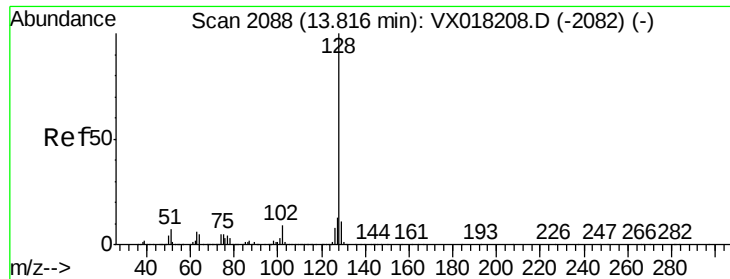
#68
 1,2,4-trichlorobenzene
 Concen: 52.294 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018208.D
 Acq: 02 Sep 2020 10:31

Tgt Ion:180	Resp:	323888
Ion Ratio	Lower	Upper
180	100	
182	92.6	74.1 111.1
145	31.2	25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 58.638 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD05033

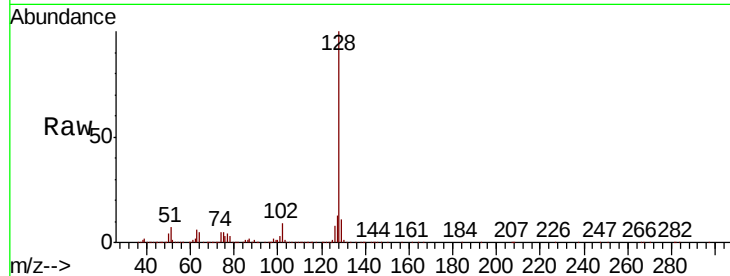
Tot Ion:128 Resp: 1107911

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

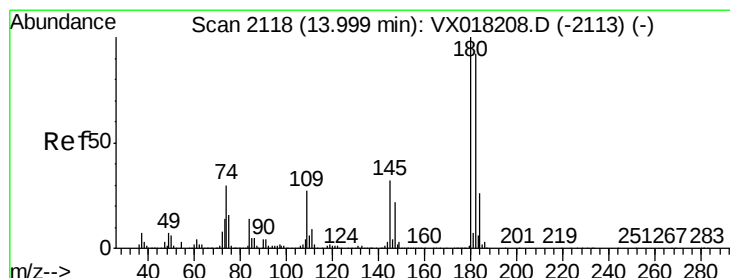
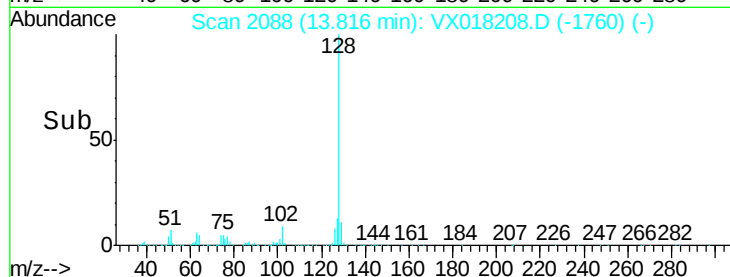
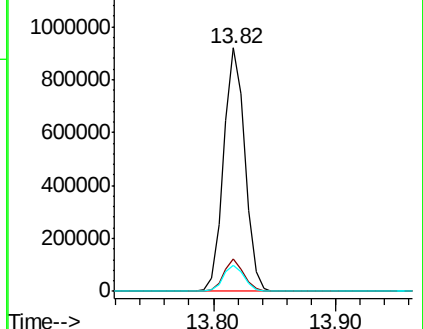
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.959 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018208.D

Acq: 02 Sep 2020 10:31

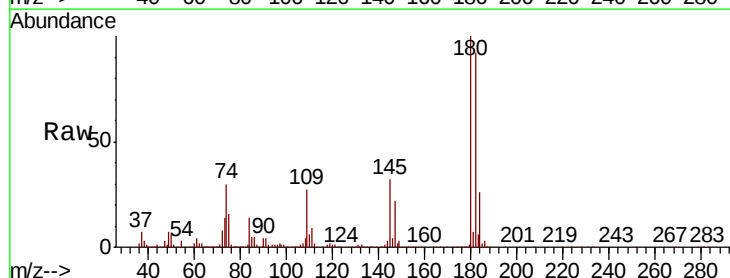
Tgt Ion:180 Resp: 334878

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 34.0 27.2 40.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

