

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090220\
 Data File : VX018220.D
 Acq On : 02 Sep 2020 16:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05038

Quant Time: Sep 03 05:02:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 04:54:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	791768	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	747347	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	379415	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	253011	39.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.20%
7) Chloroethane-d5	1.70	69	189491	39.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.86%
11) 1,1-Dichloroethene-d2	2.35	63	500668	40.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.56%
21) 2-Butanone-d5	4.54	46	366212	82.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.80%
24) Chloroform-d	5.15	84	510262	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.66%
26) 1,2-Dichloroethane-d4	6.03	65	354249	40.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.48%
32) Benzene-d6	6.05	84	961595	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.62%
36) 1,2-Dichloropropane-d6	7.37	67	305839	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.64%
41) Toluene-d8	8.70	98	917282	42.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.18%
43) trans-1,3-Dichloropropene-	8.99	79	169699	43.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.18%
47) 2-Hexanone-d5	9.43	63	270098	87.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.34%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	406182	43.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.32%
64) 1,2-Dichlorobenzene-d4	12.36	152	373358	45.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	261810	38.868	ug/L	98
3) Chloromethane	1.31	50	234675	38.035	ug/L	95
5) Vinyl chloride	1.39	62	246246	40.138	ug/L	97
6) Bromomethane	1.64	94	146988	41.891	ug/L	97
8) Chloroethane	1.72	64	140849	39.045	ug/L	99
9) Trichlorofluoromethane	1.92	101	401989	39.476	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	231424	41.801	ug/L	97
12) 1,1-Dichloroethene	2.36	96	217143	41.682	ug/L	78
13) Acetone	2.43	43	199937	79.308	ug/L	98
14) Carbon disulfide	2.56	76	662474	40.156	ug/L	99
15) Methyl Acetate	2.75	43	244177	39.415	ug/L	98
16) Methylene chloride	2.84	84	239673	40.590	ug/L	100
17) trans-1,2-Dichloroethene	3.15	96	225990	40.460	ug/L	100
18) Methyl tert-butyl Ether	3.17	73	723589	41.480	ug/L	100
19) 1,1-Dichloroethane	3.67	63	422027	40.306	ug/L	99
20) cis-1,2-Dichloroethene	4.57	96	242974	40.689	ug/L	96
22) 2-Butanone	4.64	43	330462	79.938	ug/L	100

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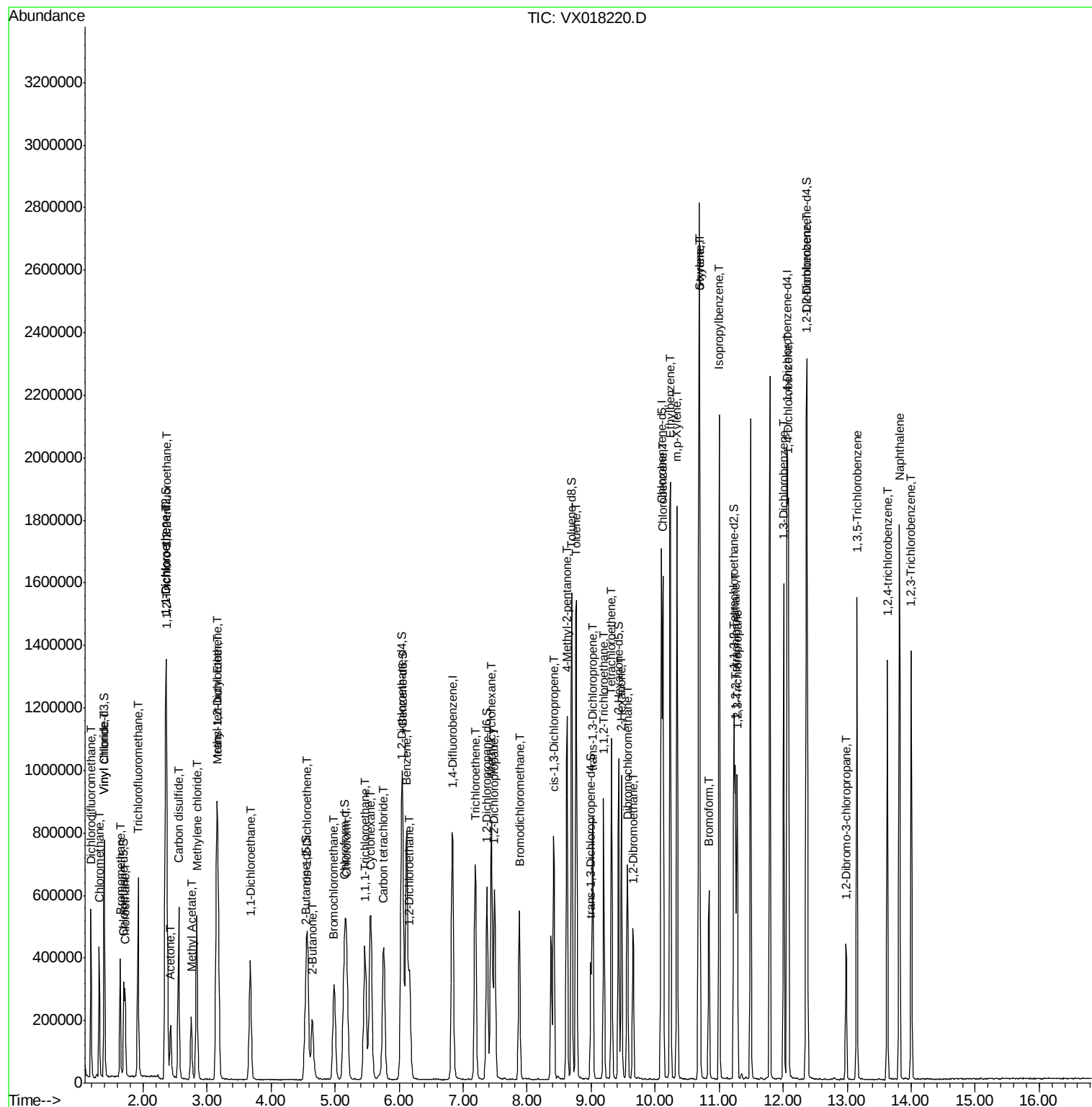
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	134343	40.199	ug/L	94
25) Chloroform	5.18	83	471685	39.384	ug/L	94
27) 1,2-Dichloroethane	6.17	62	375357	41.367	ug/L	99
29) Cyclohexane	5.56	56	355522	43.225	ug/L	98
30) 1,1,1-Trichloroethane	5.46	97	427899	41.693	ug/L	99
31) Carbon tetrachloride	5.76	117	389569	41.685	ug/L	98
33) Benzene	6.12	78	931636	43.086	ug/L	100
34) Trichloroethene	7.19	95	258400	42.579	ug/L	97
35) Methylcyclohexane	7.44	83	365768	43.349	ug/L	99
37) 1,2-Dichloropropane	7.49	63	245858	42.933	ug/L	99
38) Bromodichloromethane	7.88	83	343177	42.084	ug/L	96
39) cis-1,3-Dichloropropene	8.42	75	387105	43.349	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	663550	85.461	ug/L	100
42) Toluene	8.77	91	1008317	43.448	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	392656	41.803	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	235551	40.979	ug/L	96
46) Tetrachloroethene	9.32	164	201979	41.746	ug/L	92
48) 2-Hexanone	9.48	43	509406	81.161	ug/L	99
49) Dibromochloromethane	9.57	129	294879	41.859	ug/L	100
50) 1,2-Dibromoethane	9.65	107	251050	41.240	ug/L	96
51) Chlorobenzene	10.12	112	656959	41.565	ug/L	98
52) Ethylbenzene	10.24	91	1100779	42.543	ug/L	99
53) m,p-Xylene	10.34	106	415816	42.067	ug/L	96
54) o-xylene	10.68	106	401659	42.573	ug/L	100
55) Styrene	10.70	104	694693	42.628	ug/L	96
56) Isopropylbenzene	11.00	105	1084980	42.995	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	353406	41.867	ug/L	96
59) 1,2,3-Trichloropropane	11.28	75	297331	40.645	ug/L	100
61) Bromoform	10.84	173	211391	39.296	ug/L	95
62) 1,3-Dichlorobenzene	12.01	146	509293	40.870	ug/L	97
63) 1,4-Dichlorobenzene	12.08	146	521529	41.111	ug/L	97
65) 1,2-Dichlorobenzene	12.38	146	509437	42.437	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.98	75	89184	39.722	ug/L	92
67) 1,3,5-Trichlorobenzene	13.15	180	351847	43.270	ug/L	99
68) 1,2,4-trichlorobenzene	13.63	180	310186	41.342	ug/L	98
69) Naphthalene	13.82	128	1037638	43.735	ug/L	99
70) 1,2,3-Trichlorobenzene	14.00	180	322541	42.979	ug/L	98

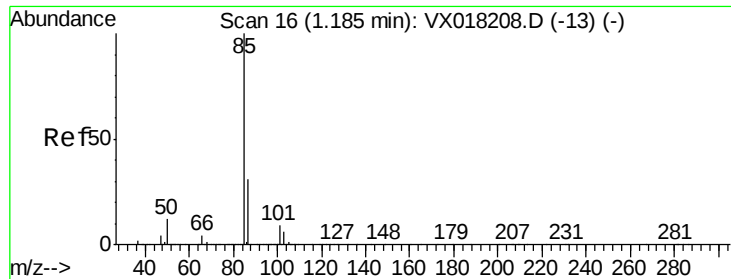
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#2

Dichlorodifluoromethane

Concen: 38.868 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

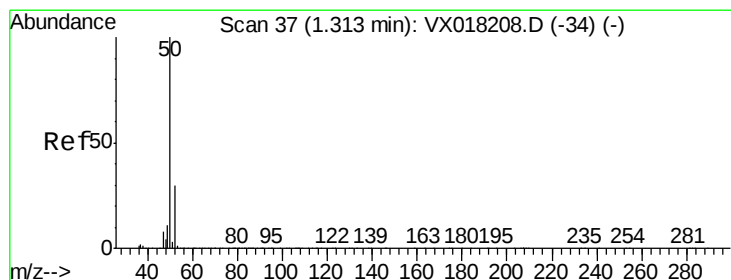
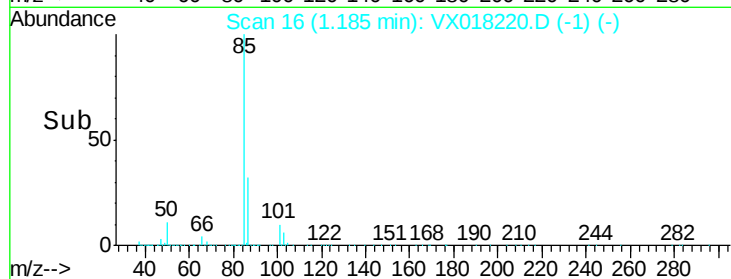
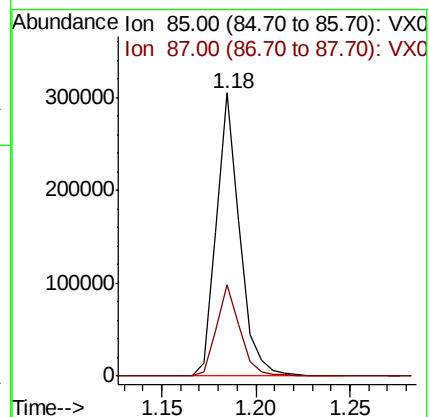
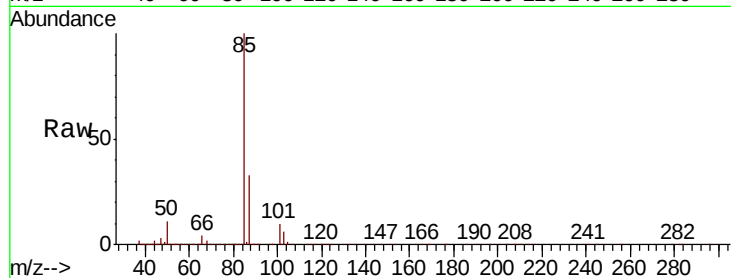
VSTD05038

Tot Ion: 85 Resp: 261810

Ion Ratio Lower Upper

85 100

87 32.5 25.2 37.8



#3

Chloromethane

Concen: 38.035 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018220.D

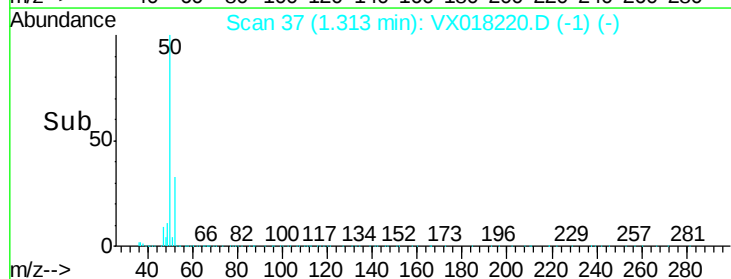
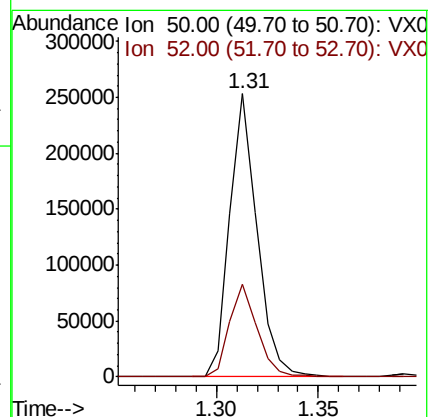
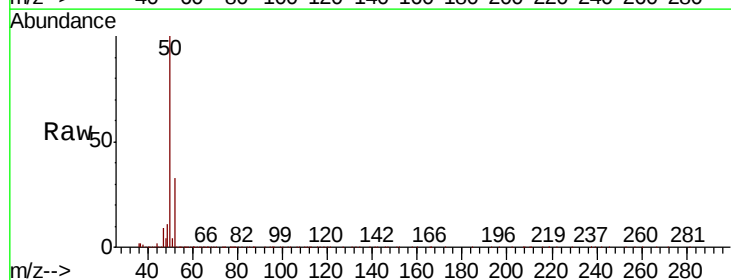
Acq: 02 Sep 2020 16:56

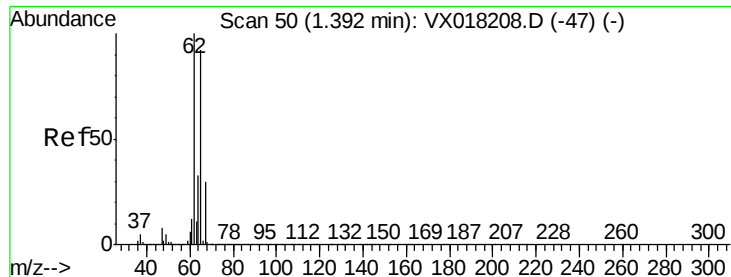
Tgt Ion: 50 Resp: 234675

Ion Ratio Lower Upper

50 100

52 32.9 21.0 39.0





#5

Vinyl chloride

Concen: 40.138 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampled :

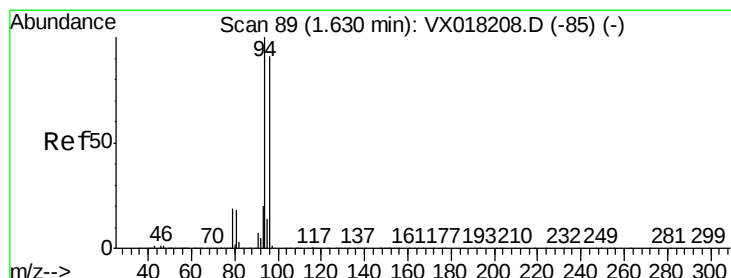
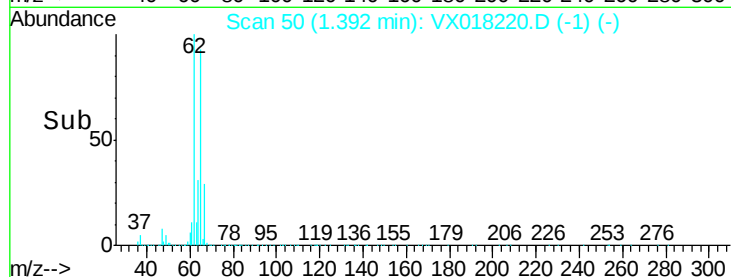
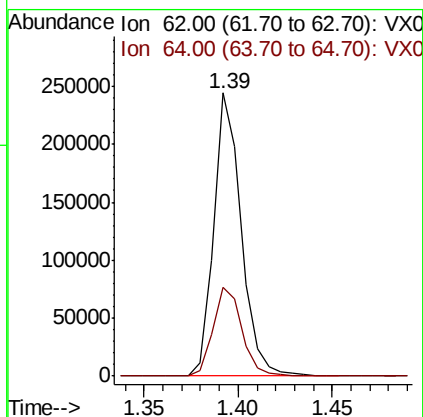
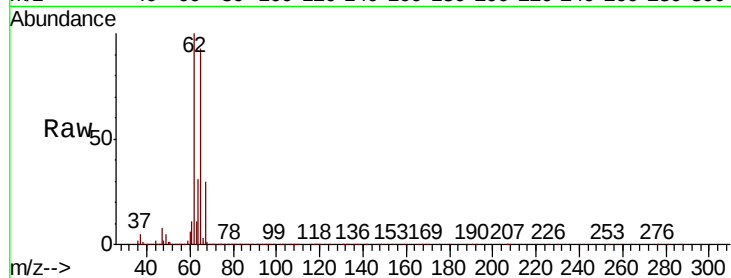
VSTD05038

Tot Ion: 62 Resp: 246246

Ion Ratio Lower Upper

62 100

64 31.3 23.2 43.2



#6

Bromomethane

Concen: 41.891 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018220.D

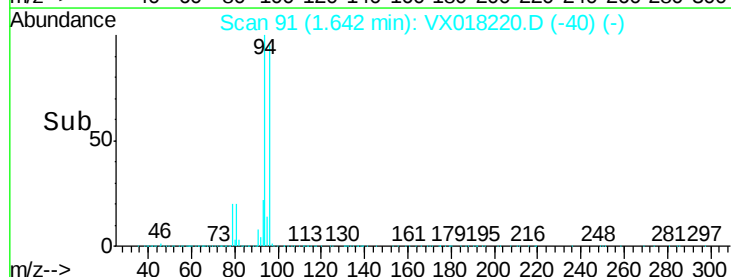
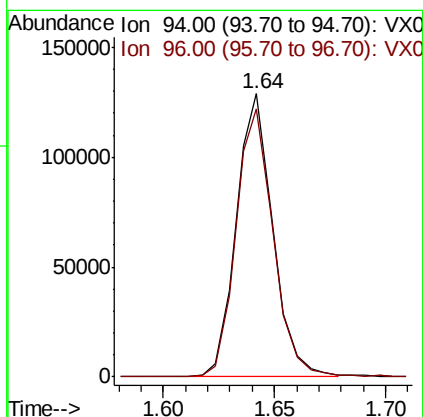
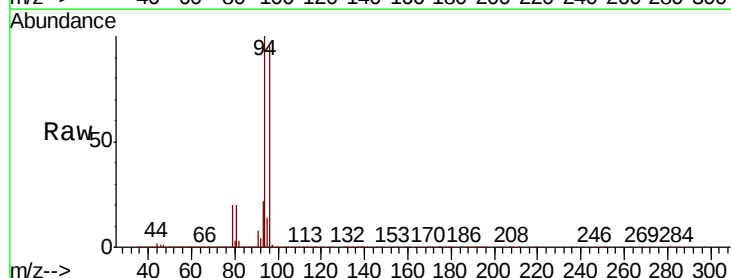
Acq: 02 Sep 2020 16:56

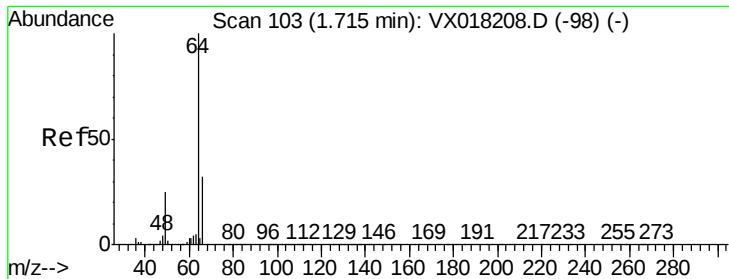
Tgt Ion: 94 Resp: 146988

Ion Ratio Lower Upper

94 100

96 94.6 63.9 118.7

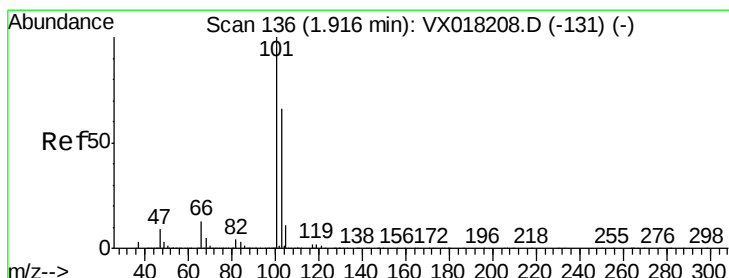
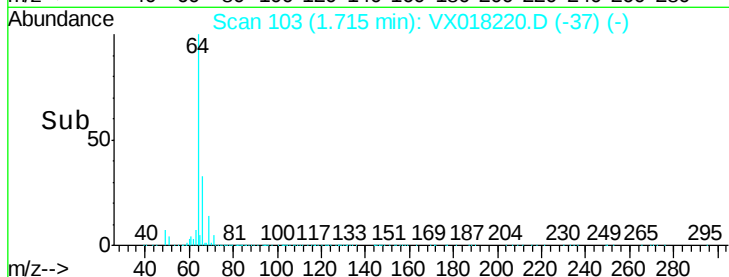
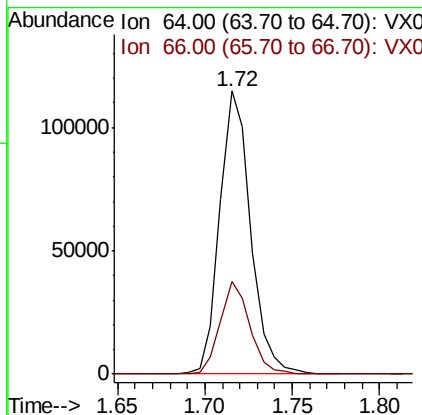
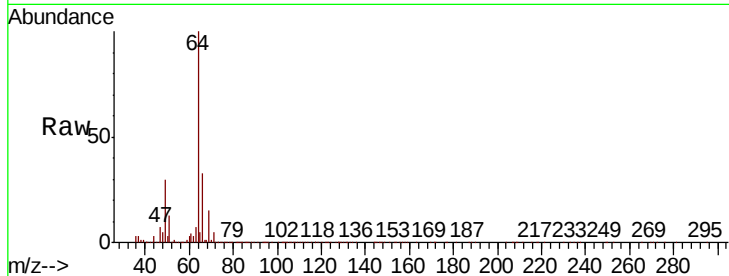




#8
Chloroethane
Concen: 39.045 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

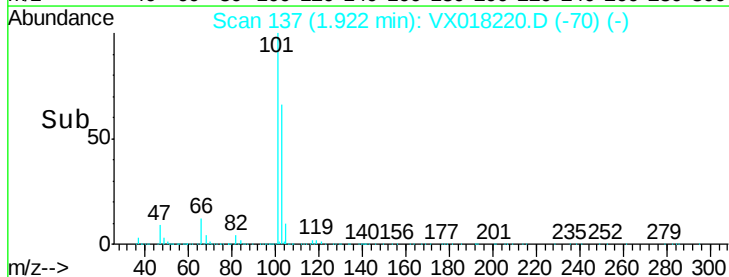
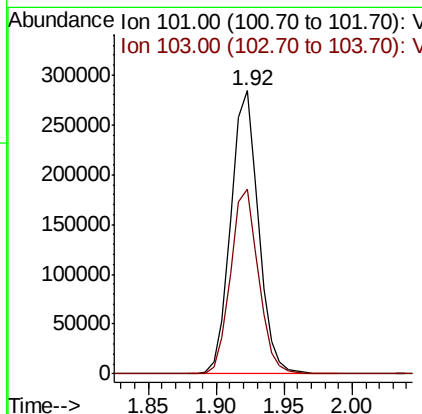
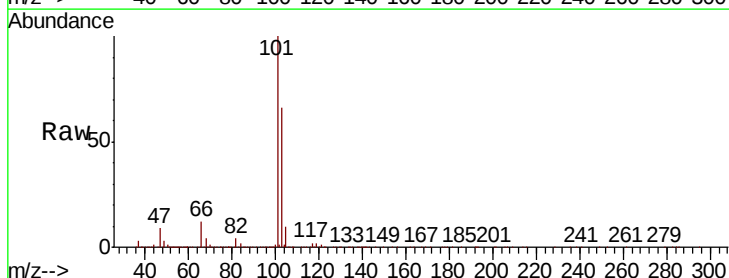
Instrument :
MSVOA_X
ClientSampled :
VSTD05038

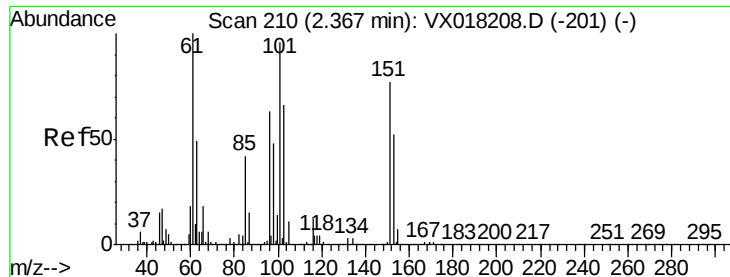
Tot Ion: 64 Resp: 140849
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 39.476 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

Tgt Ion: 101 Resp: 401989
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2





#10

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

Concen: 41.801 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD05038

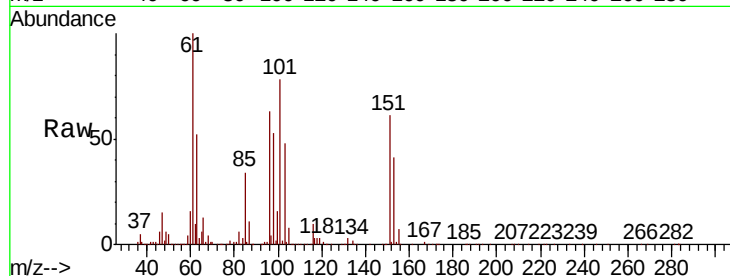
Tot Ion:101 Resp: 231424

Ion Ratio Lower Upper

101 100

85 42.2 35.8 53.6

151 78.5 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

2.37

150000

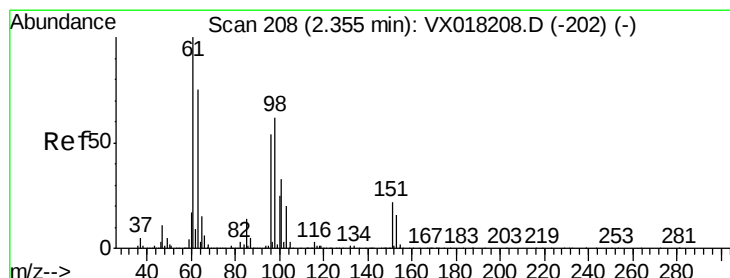
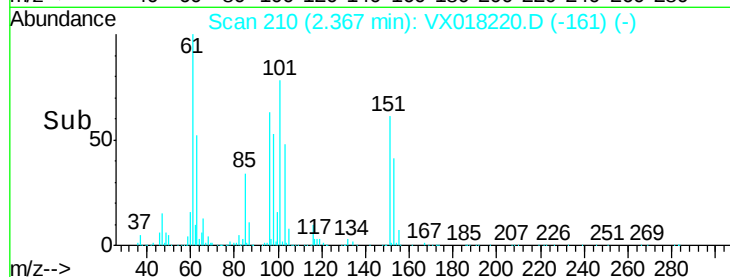
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50000

0

Time-->

2.30 2.35 2.40 2.45



#12

1,1-Dichloroethene

Concen: 41.682 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

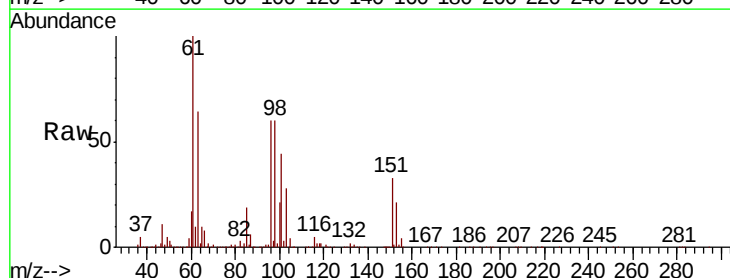
Tgt Ion: 96 Resp: 217143

Ion Ratio Lower Upper

96 100

61 165.9 130.5 242.5

63 106.1 103.0 191.2



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

2.36

300000

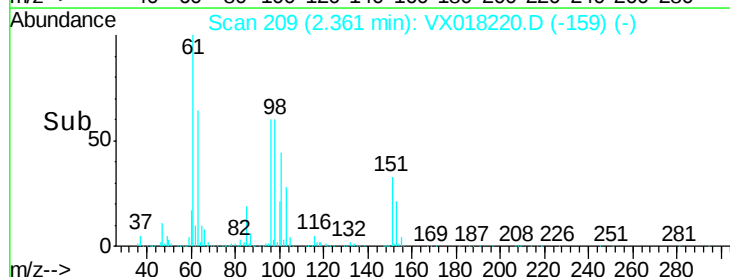
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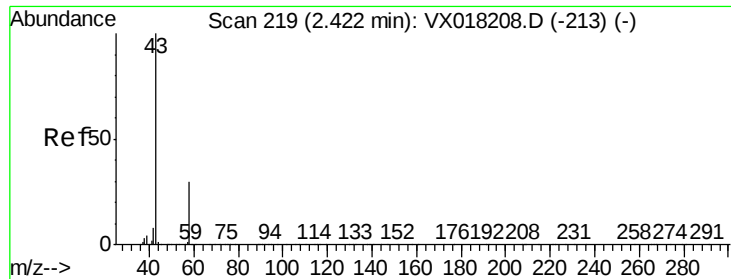
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Time-->

2.25 2.30 2.35 2.40 2.45





#13

Acetone

Concen: 79.308 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

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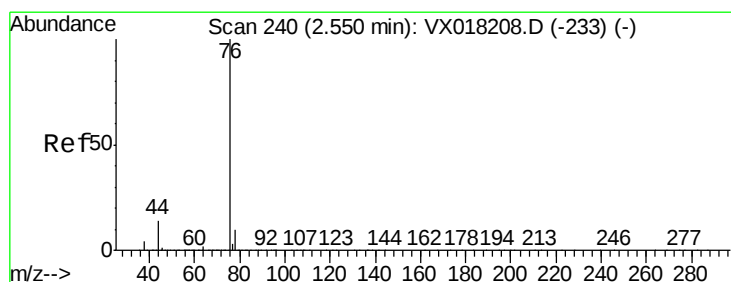
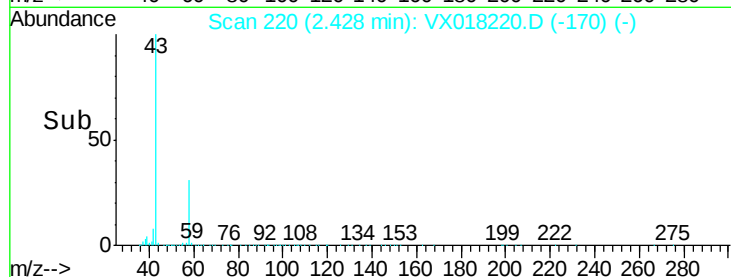
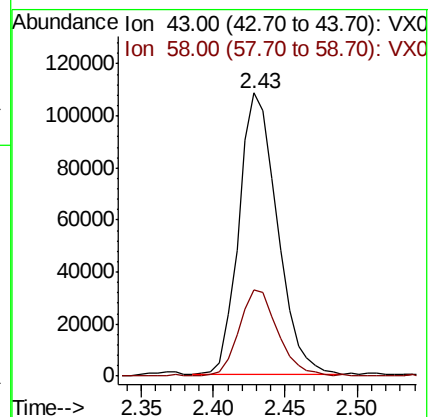
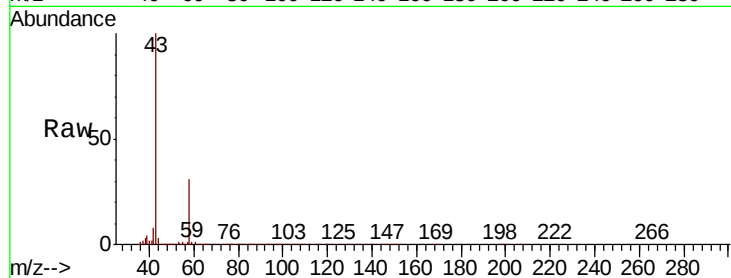
VSTD05038

Tot Ion: 43 Resp: 199937

Ion Ratio Lower Upper

43 100

58 30.9 0.0 59.2



#14

Carbon disulfide

Concen: 40.156 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018220.D

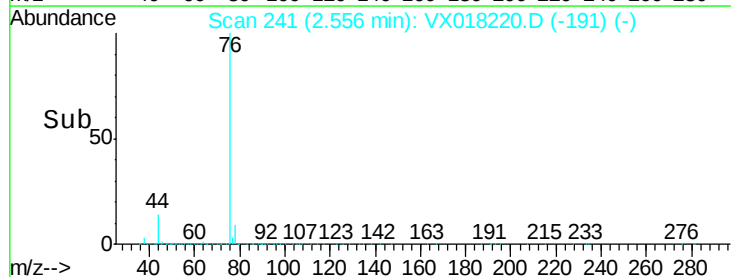
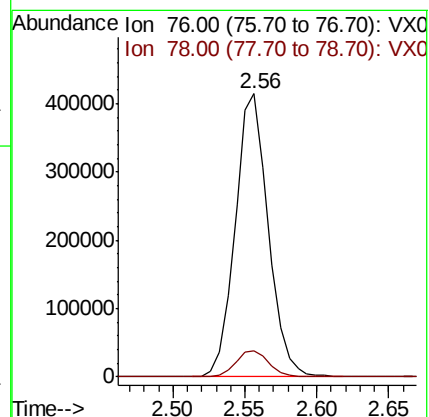
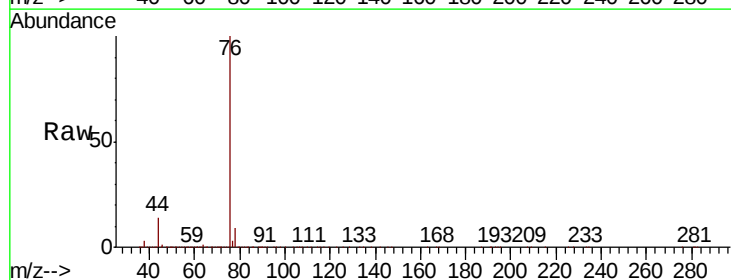
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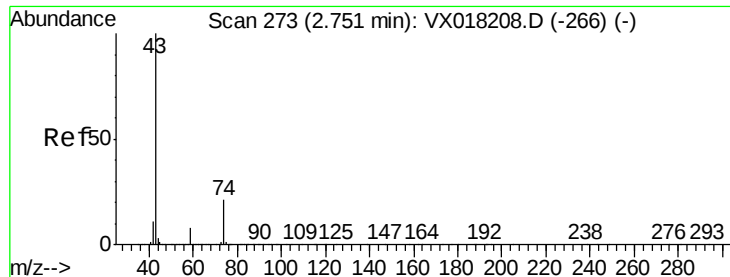
Tgt Ion: 76 Resp: 662474

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

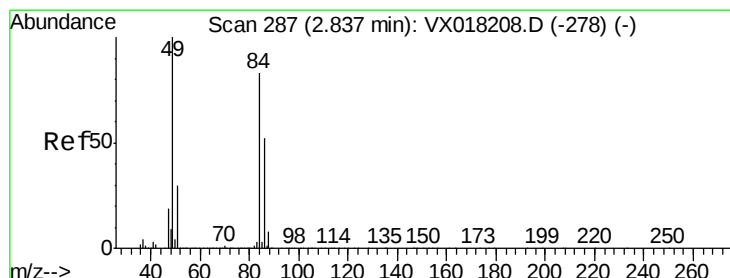
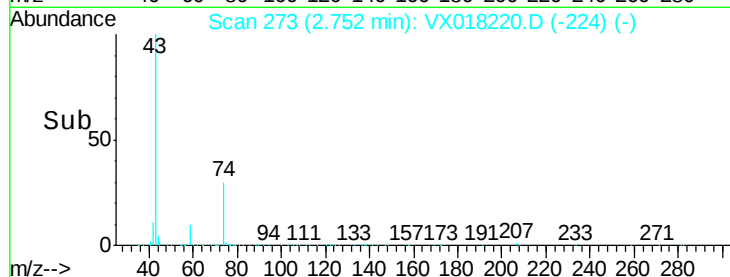
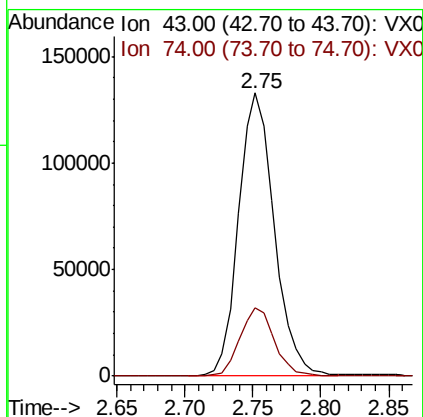
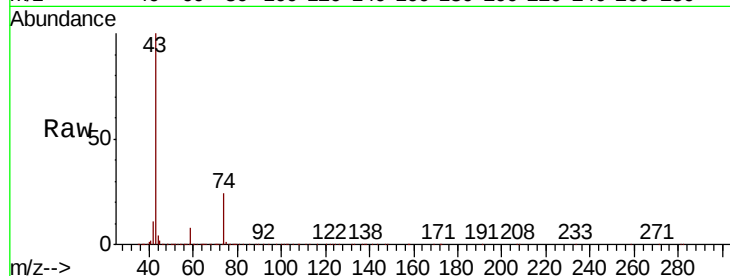




#15
Methyl Acetate
Concen: 39.415 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

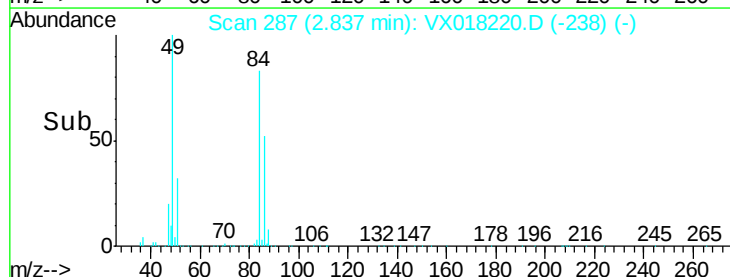
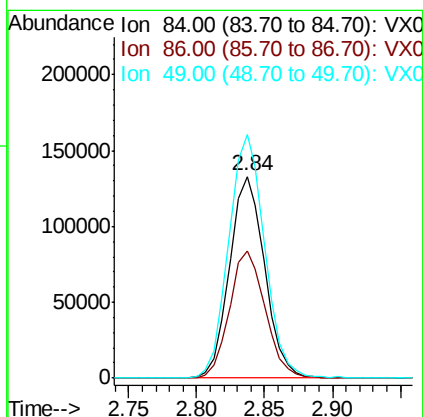
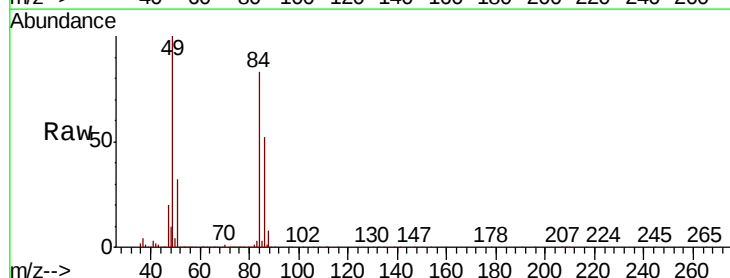
Instrument :
MSVOA_X
ClientSampled :
VSTD05038

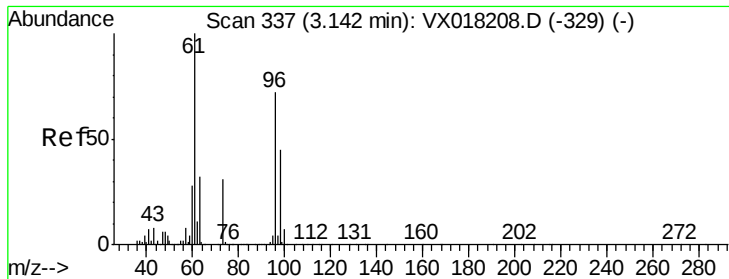
Tot Ion: 43 Resp: 244177
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#16
Methylene chloride
Concen: 40.590 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

Tgt Ion: 84 Resp: 239673
Ion Ratio Lower Upper
84 100
86 62.9 43.6 81.0
49 120.8 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 40.460 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD05038

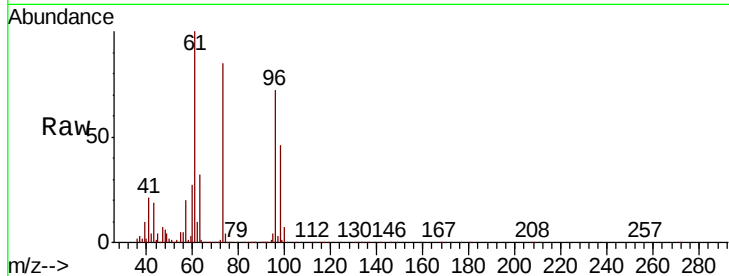
Tot Ion: 96 Resp: 225990

Ion Ratio Lower Upper

96 100

61 138.1 97.1 180.3

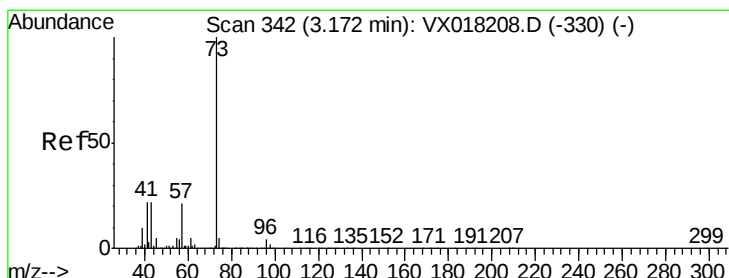
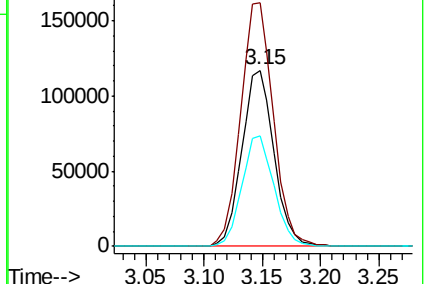
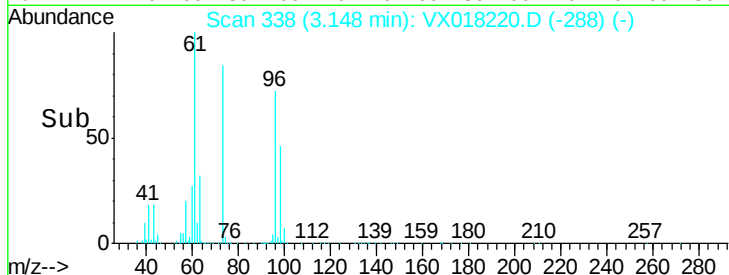
98 62.9 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 41.480 ug/L

RT: 3.17 min Scan# 341

Delta R.T. -0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

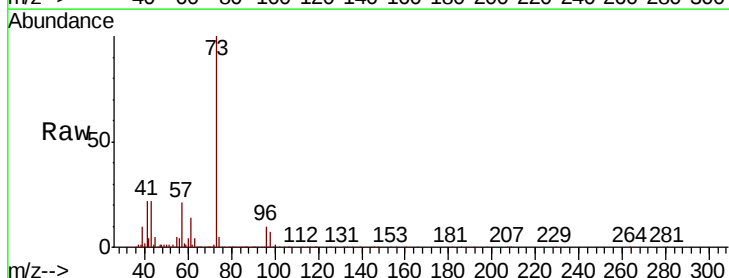
Tgt Ion: 73 Resp: 723589

Ion Ratio Lower Upper

73 100

43 21.7 17.4 26.2

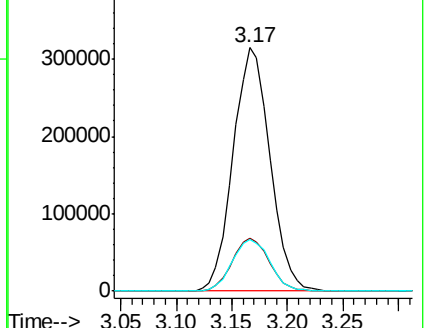
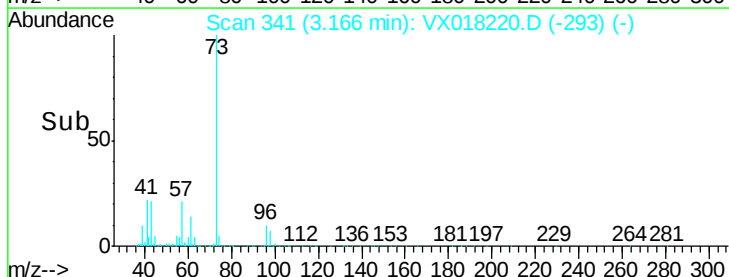
57 21.7 17.1 25.7

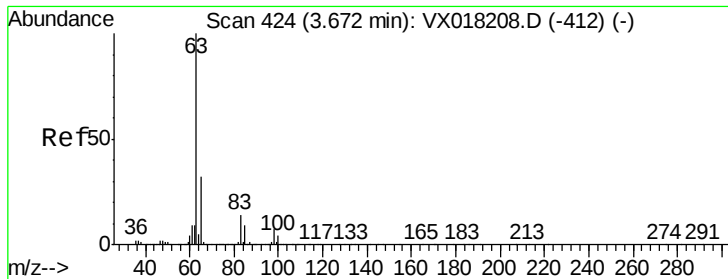


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

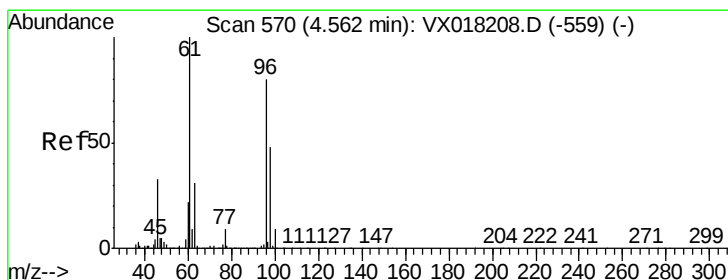
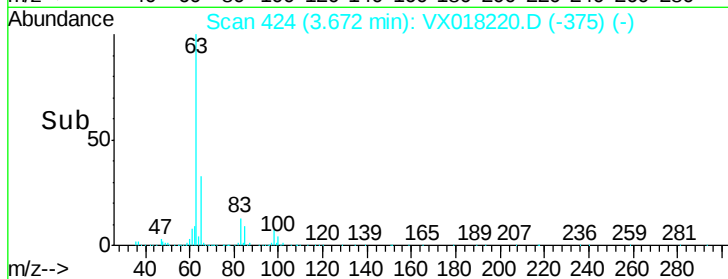
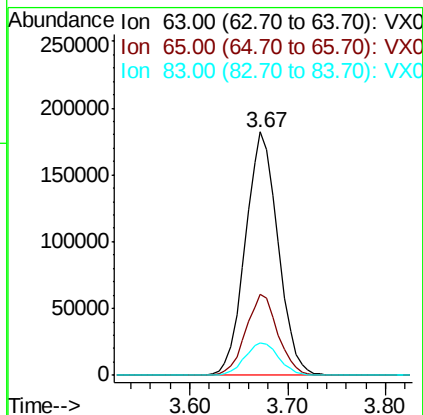
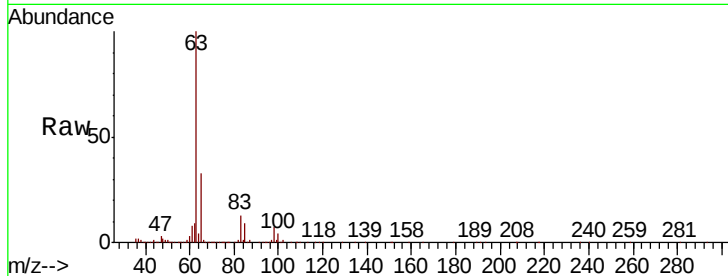




#19
 1,1-Dichloroethane
 Concen: 40.306 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

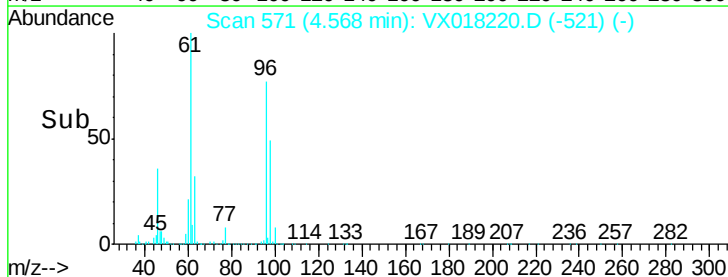
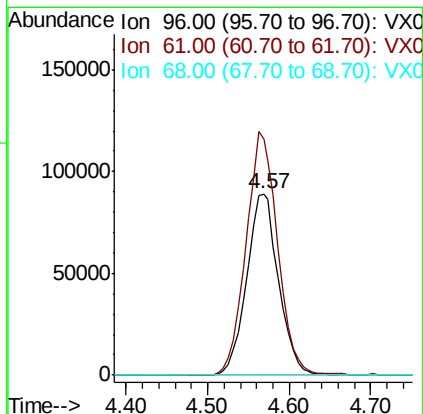
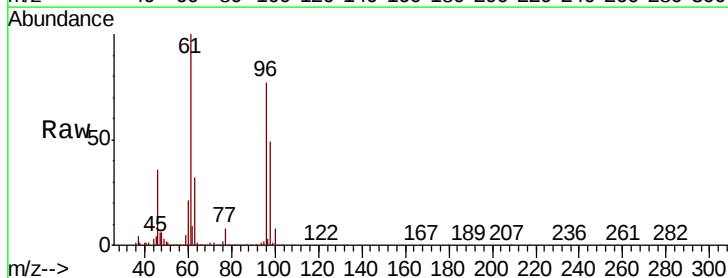
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05038

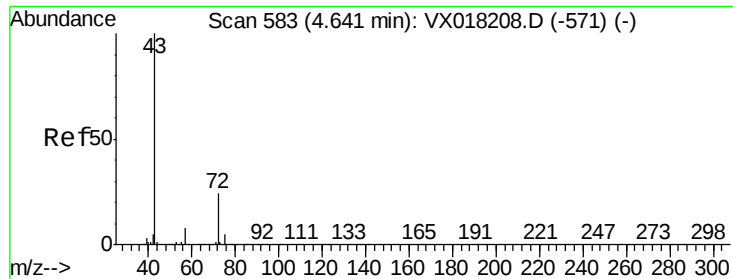
Tot Ion:	63	Resp:	422027
Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.7	42.3
83	13.5	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 40.689 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

Tgt Ion:	96	Resp:	242974
Ion	Ratio	Lower	Upper
96	100		
61	129.8	88.0	163.4
68	0.1	0.1	0.1





#22

2-Butanone

Concen: 79.938 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

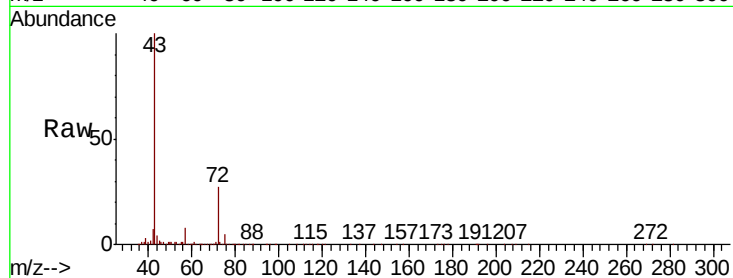
VSTD05038

Tot Ion: 43 Resp: 330462

Ion Ratio Lower Upper

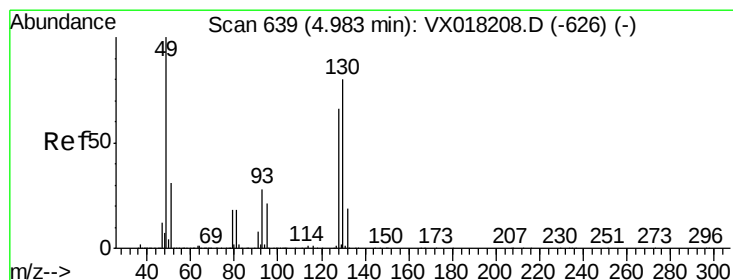
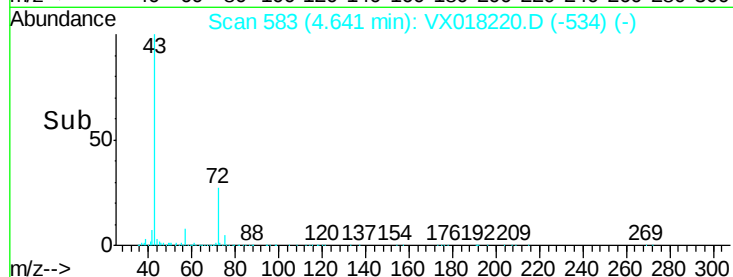
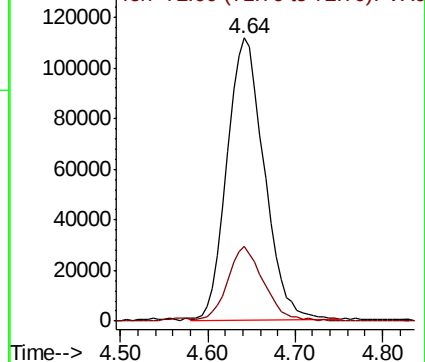
43 100

72 25.4 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 40.199 ug/L

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Tgt Ion: 128 Resp: 134343

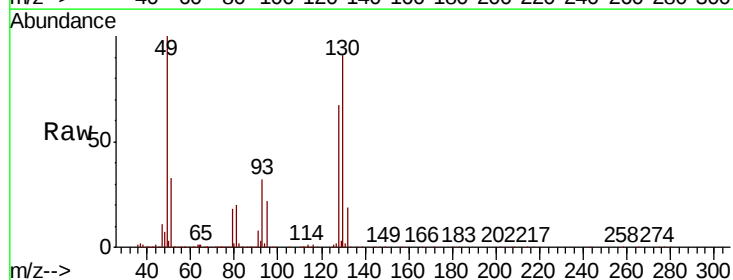
Ion Ratio Lower Upper

128 100

49 149.3 106.8 198.4

130 135.8 85.3 158.5

51 49.2 38.5 57.7

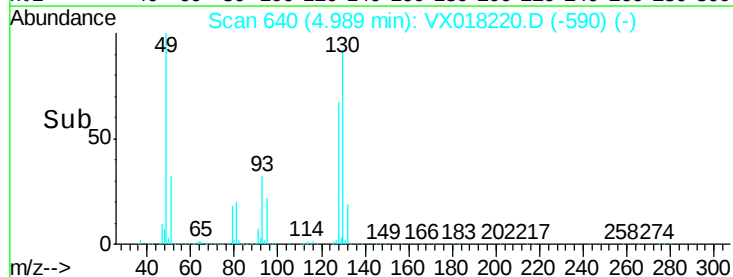
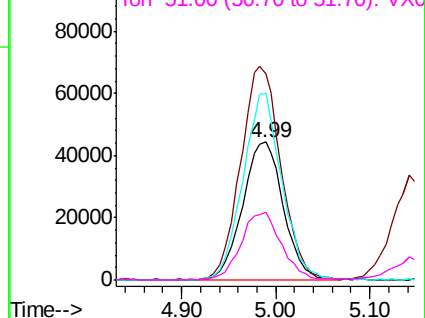


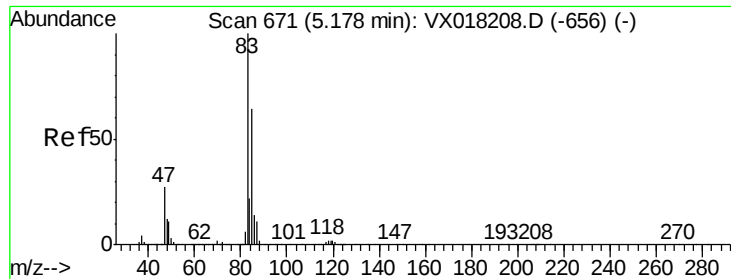
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0





#25

Chloroform

Concen: 39.384 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

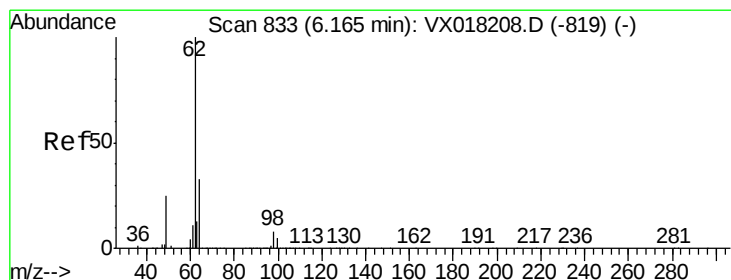
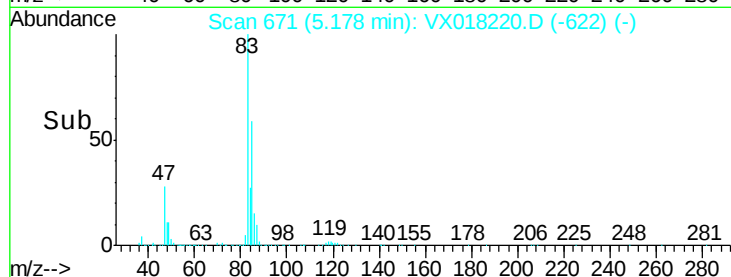
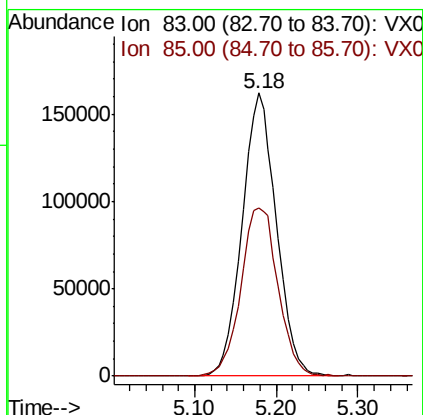
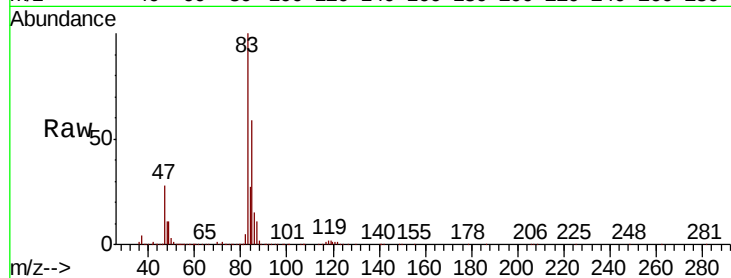
VSTD05038

Tot Ion: 83 Resp: 471685

Ion Ratio Lower Upper

83 100

85 59.2 44.7 83.1



#27

1,2-Dichloroethane

Concen: 41.367 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018220.D

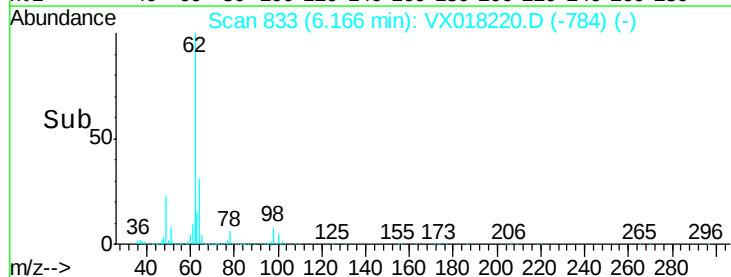
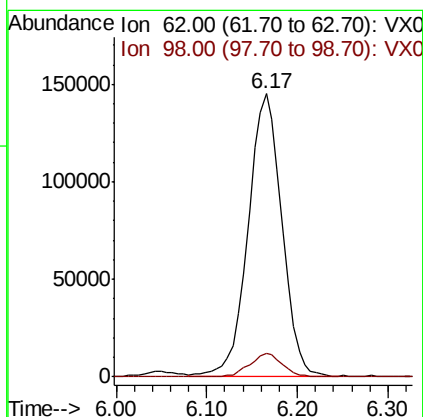
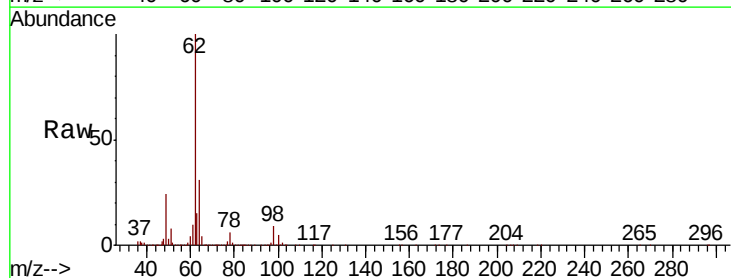
Acq: 02 Sep 2020 16:56

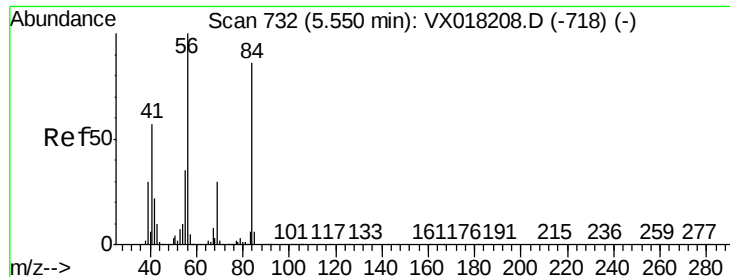
Tgt Ion: 62 Resp: 375357

Ion Ratio Lower Upper

62 100

98 8.5 6.6 9.8

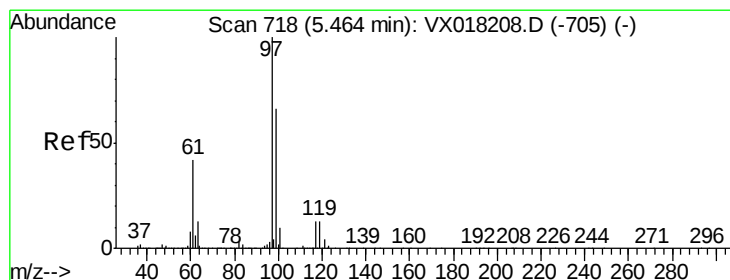
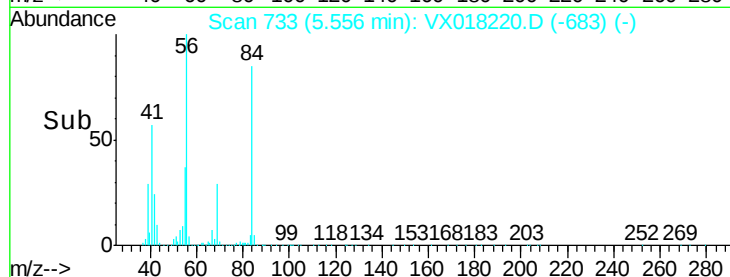
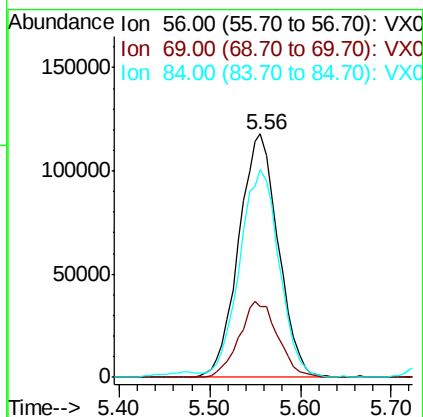
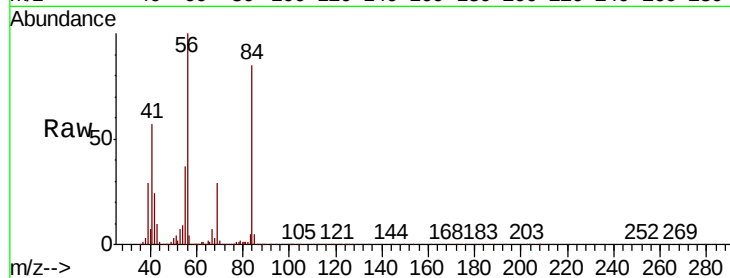




#29
Cyclohexane
Concen: 43.225 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

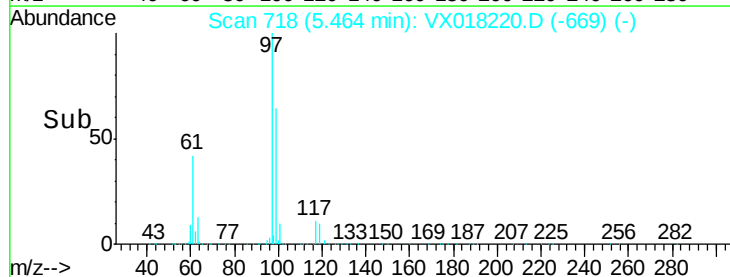
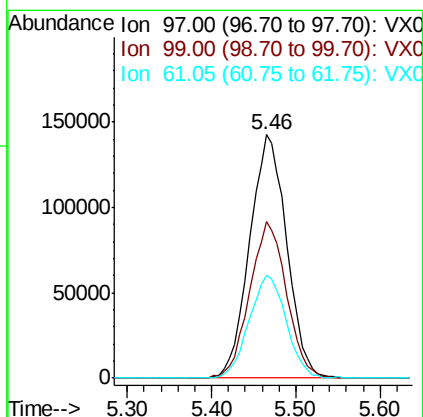
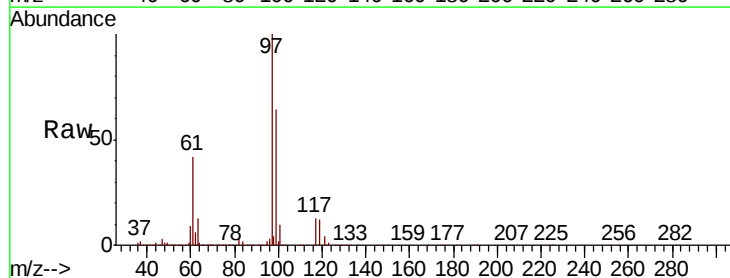
Instrument :
MSVOA_X
ClientSampleId :
VSTD05038

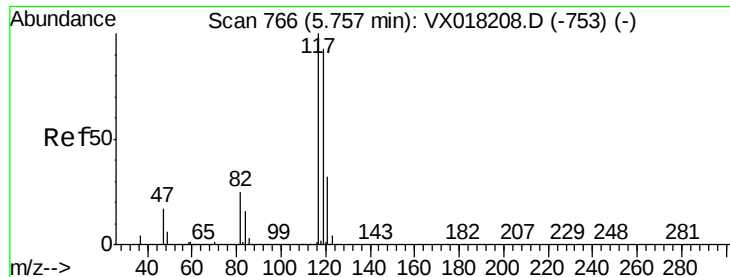
Tot Ion: 56 Resp: 355522
Ion Ratio Lower Upper
56 100
69 30.6 25.4 38.2
84 85.4 69.8 104.8



#30
1,1,1-Trichloroethane
Concen: 41.693 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

Tgt Ion: 97 Resp: 427899
Ion Ratio Lower Upper
97 100
99 63.8 51.7 77.5
61 42.3 33.8 50.6





#31

Carbon tetrachloride

Concen: 41.685 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

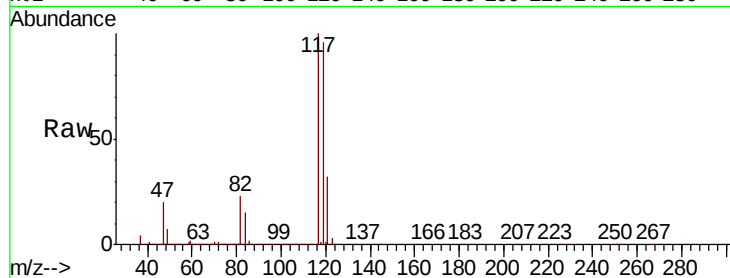
VSTD05038

Tot Ion:117 Resp: 389569

Ion Ratio Lower Upper

117 100

119 97.6 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

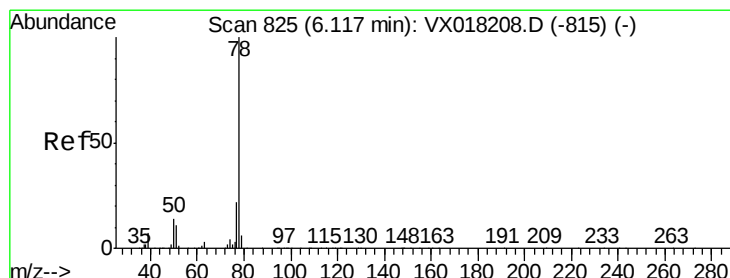
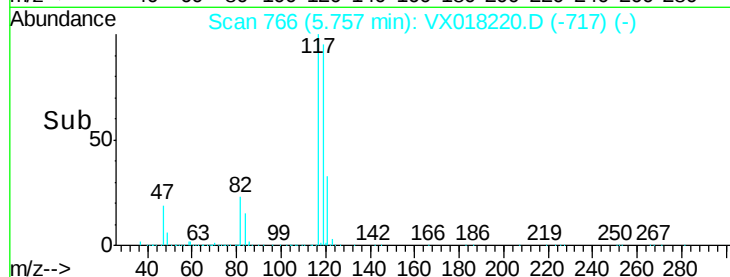
150000

100000

50000

0

Time--> 5.60 5.70 5.80 5.90



#33

Benzene

Concen: 43.086 ug/L

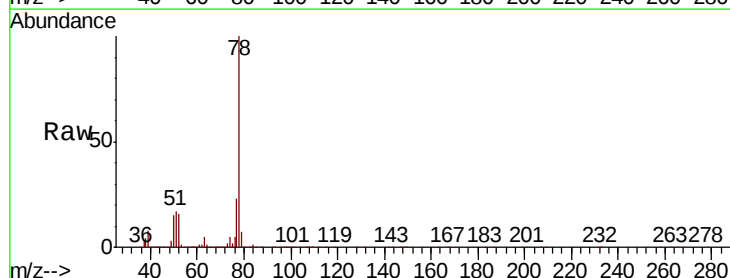
RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Tgt Ion: 78 Resp: 931636



Abundance Ion 78.00 (77.70 to 78.70): VX0

6.12

400000

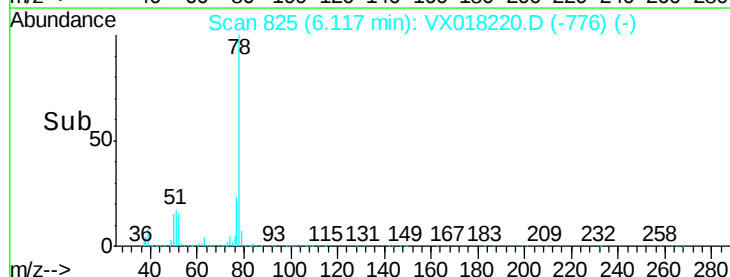
300000

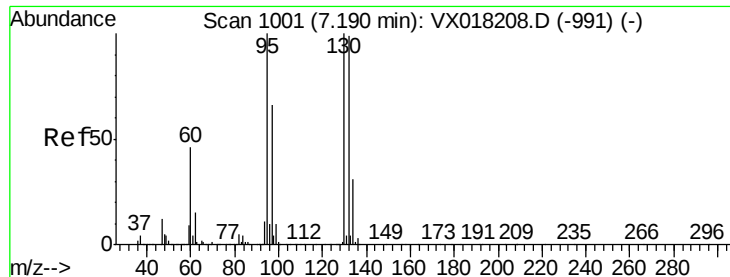
200000

100000

0

Time--> 5.90 6.00 6.10 6.20





#34

Trichloroethene

Concen: 42.579 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD05038

Tot Ion: 95 Resp: 258400

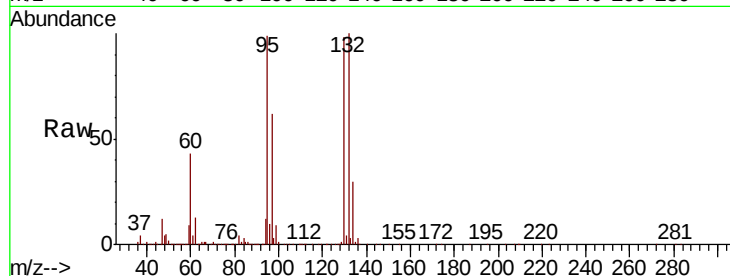
Ion Ratio Lower Upper

95 100

97 62.3 46.2 85.8

132 101.1 69.2 128.4

130 98.6 70.1 130.3



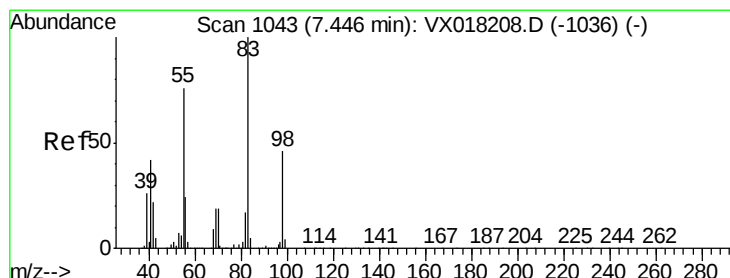
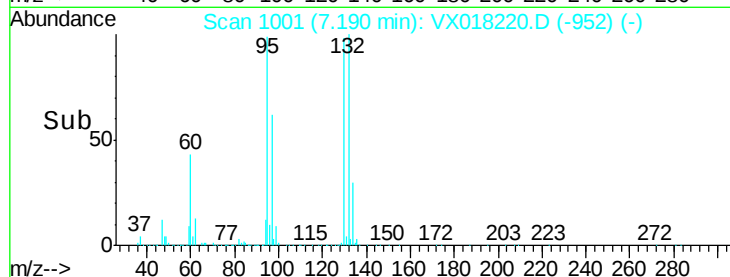
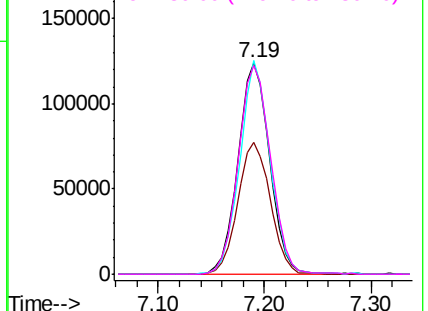
Abundance

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: 43.349 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

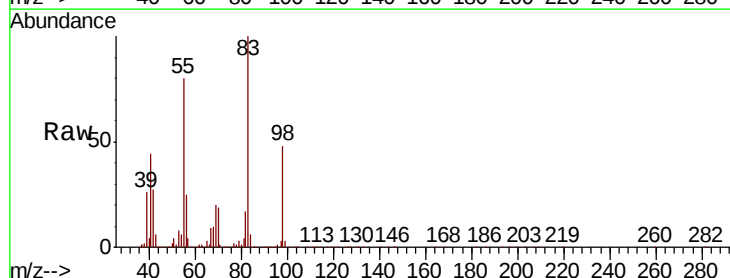
Tgt Ion: 83 Resp: 365768

Ion Ratio Lower Upper

83 100

55 77.8 62.6 94.0

98 47.2 37.1 55.7

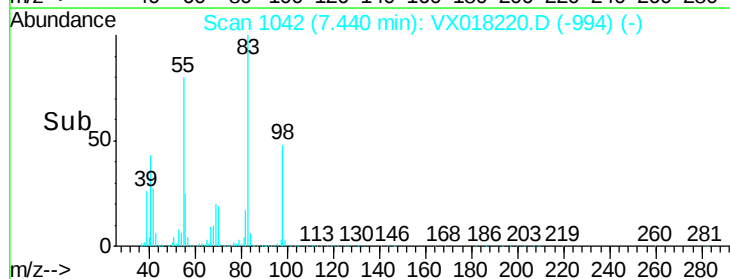
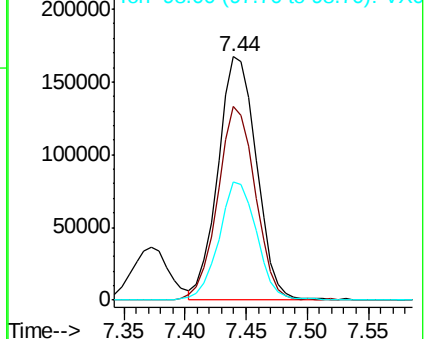


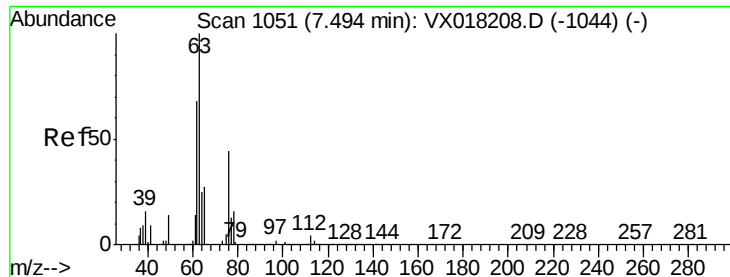
Abundance

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

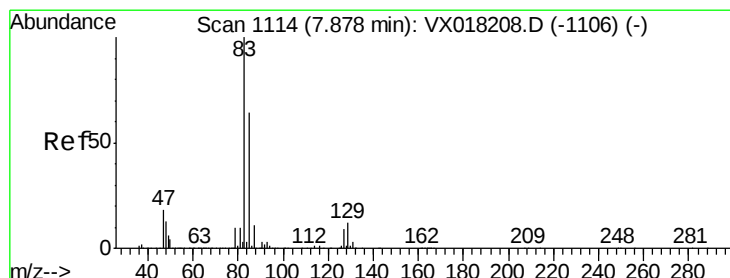
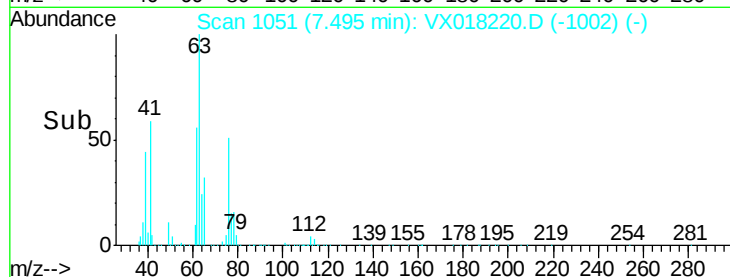
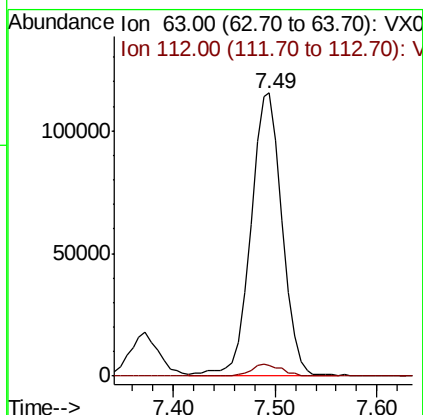
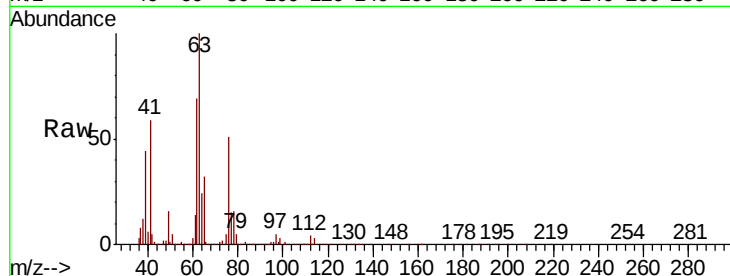




#37
 1,2-Dichloropropane
 Concen: 42.933 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

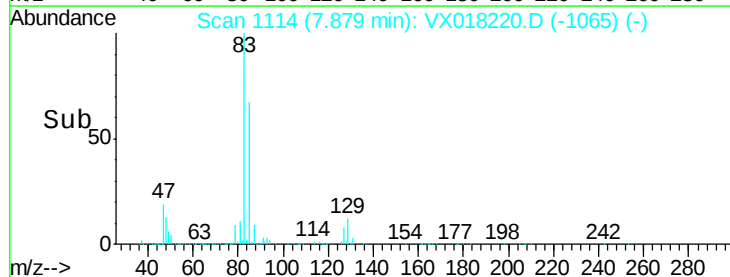
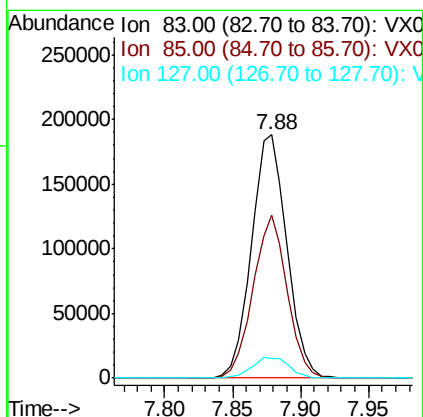
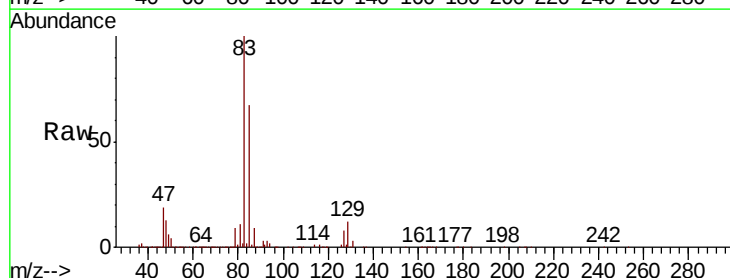
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05038

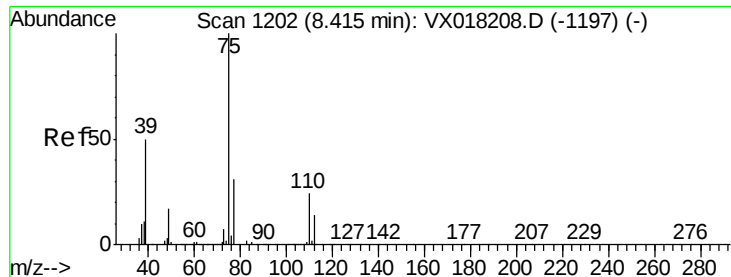
Tot Ion: 63 Resp: 245858
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 42.084 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

Tgt Ion: 83 Resp: 343177
 Ion Ratio Lower Upper
 83 100
 85 66.8 44.5 82.7
 127 8.1 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 43.349 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

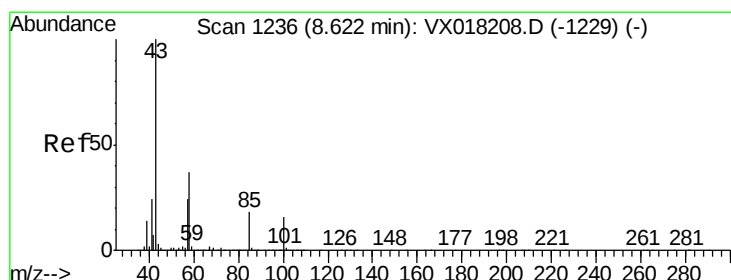
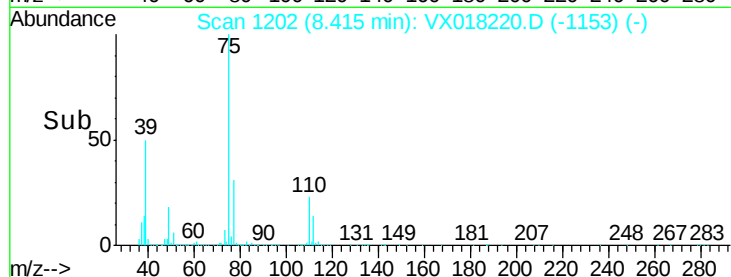
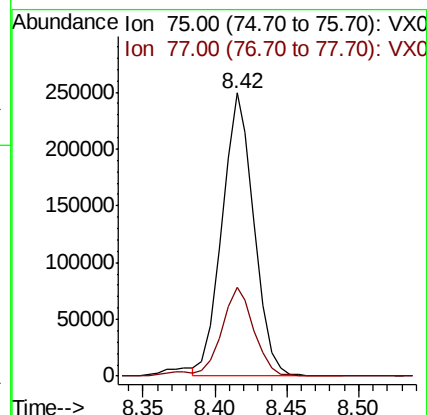
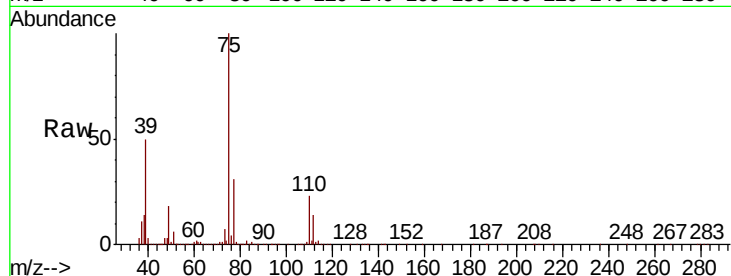
VSTD05038

Tot Ion: 75 Resp: 387105

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 85.461 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

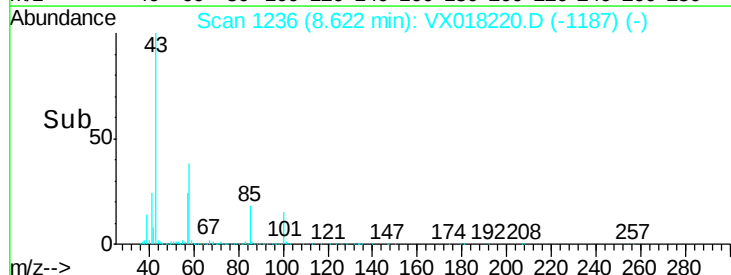
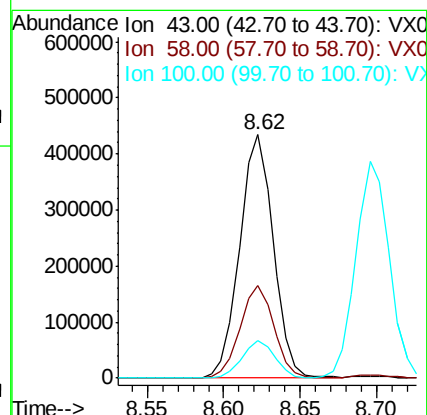
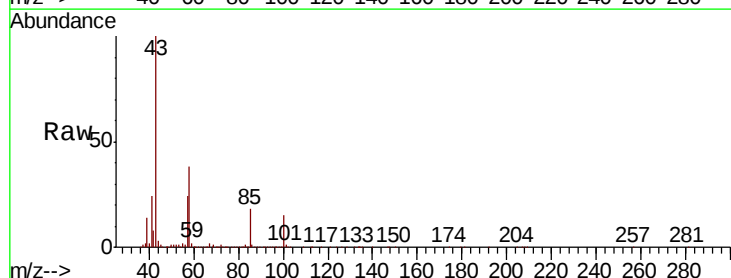
Tgt Ion: 43 Resp: 663550

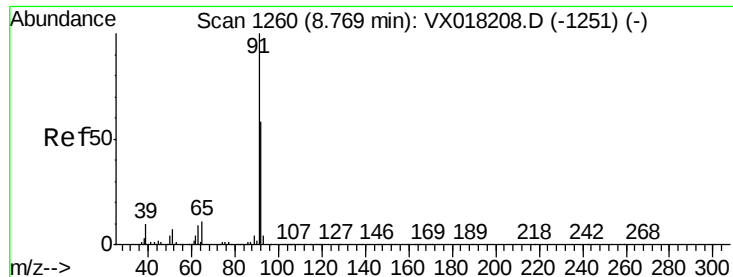
Ion Ratio Lower Upper

43 100

58 38.2 30.3 45.5

100 15.0 11.9 17.9





#42

Toluene

Concen: 43.448 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

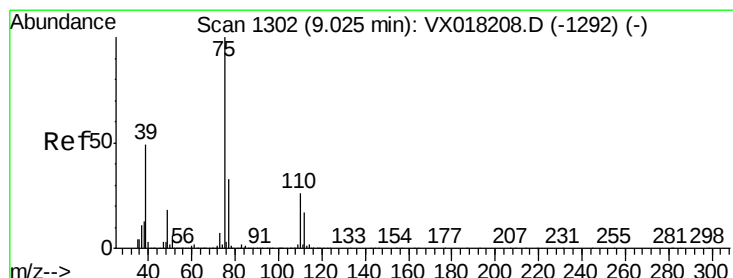
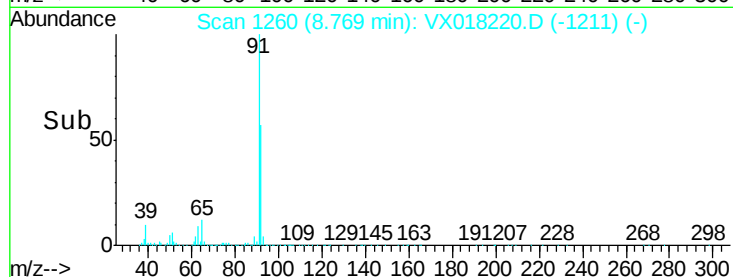
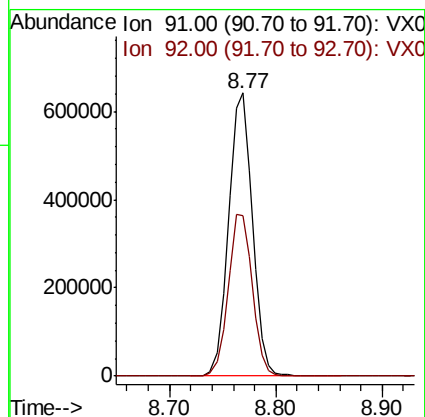
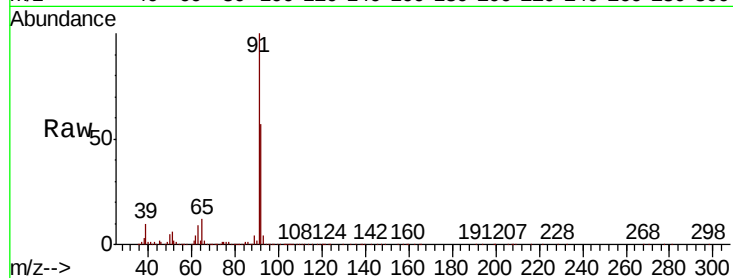
VSTD05038

Tot Ion: 91 Resp: 1008317

Ion Ratio Lower Upper

91 100

92 56.6 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 41.803 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018220.D

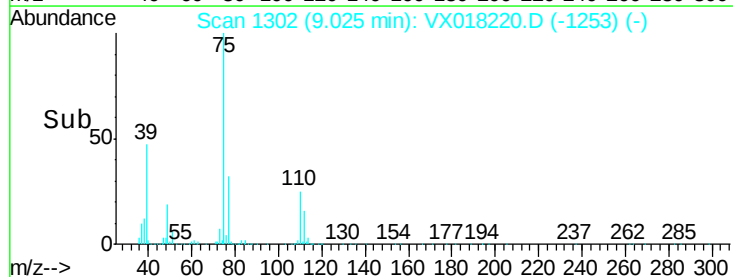
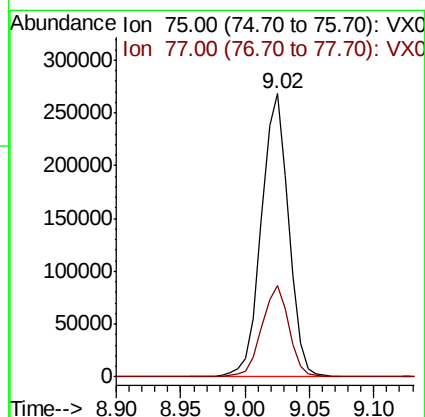
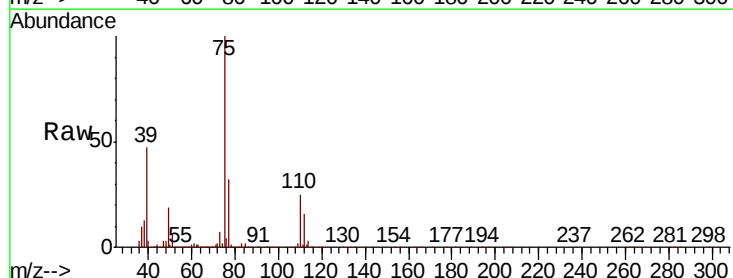
Acq: 02 Sep 2020 16:56

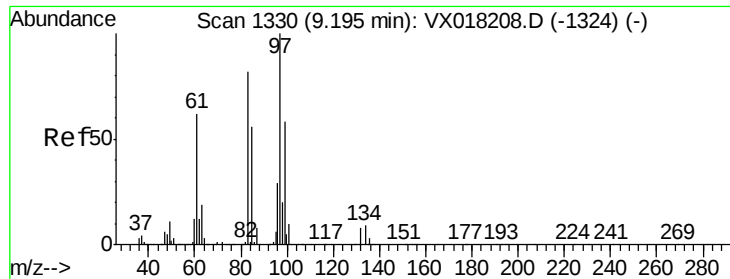
Tgt Ion: 75 Resp: 392656

Ion Ratio Lower Upper

75 100

77 32.3 23.2 43.0

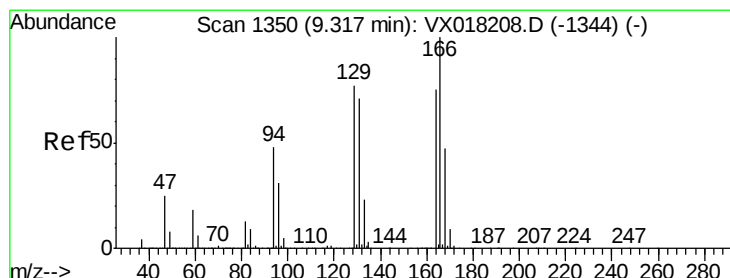
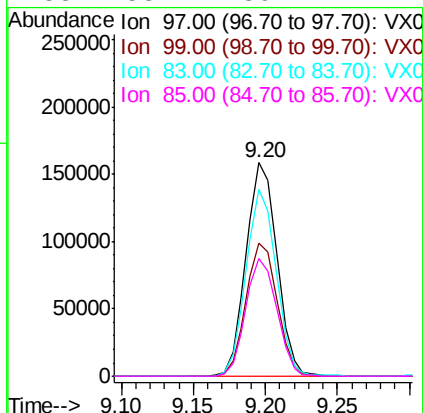
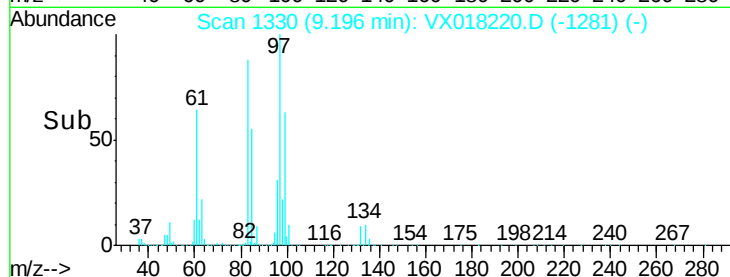
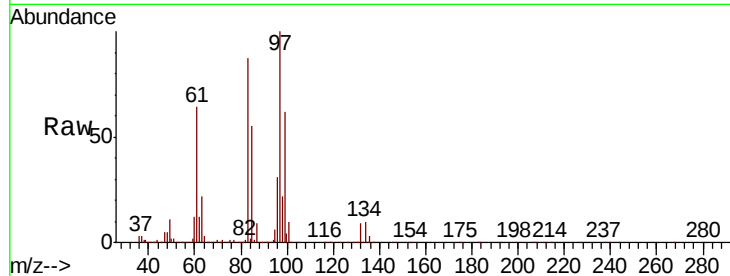




#45
 1,1,2-Trichloroethane
 Concen: 40.979 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

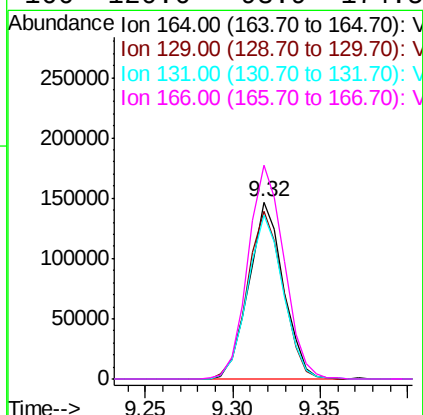
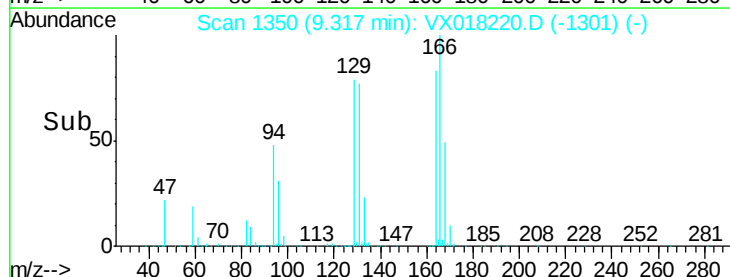
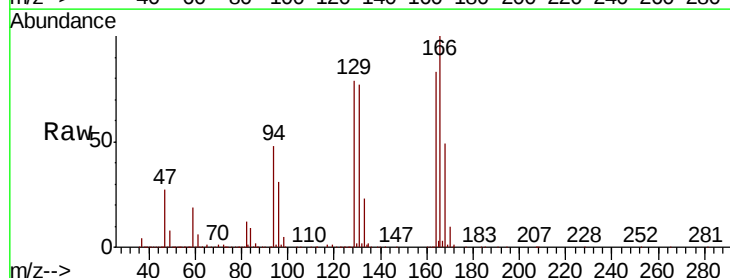
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTD05038

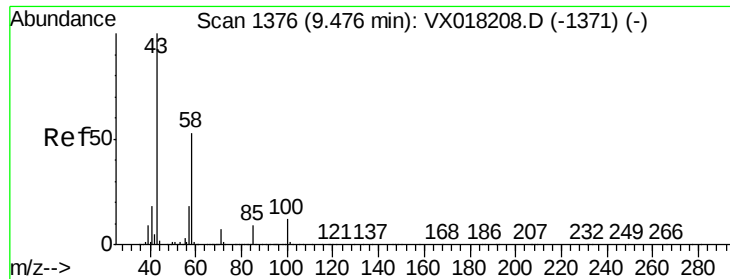
Tot Ion:	97	Resp:	235551
Ion	Ratio	Lower	Upper
97	100		
99	62.5	40.3	74.9
83	87.5	57.7	107.1
85	55.4	39.1	72.7



#46
 Tetrachloroethene
 Concen: 41.746 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

Tgt Ion:	164	Resp:	201979
Ion	Ratio	Lower	Upper
164	100		
129	94.7	72.0	133.6
131	92.4	66.8	124.2
166	120.6	93.9	174.5

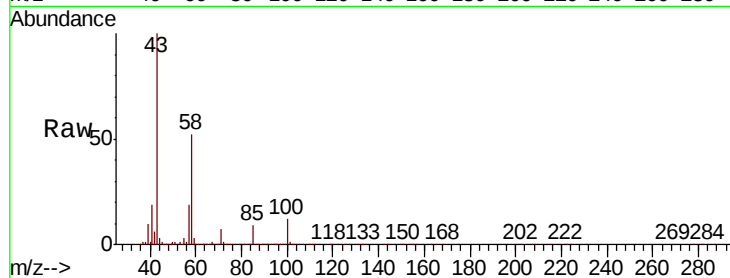




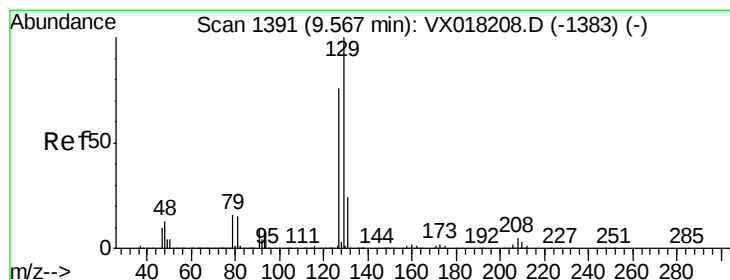
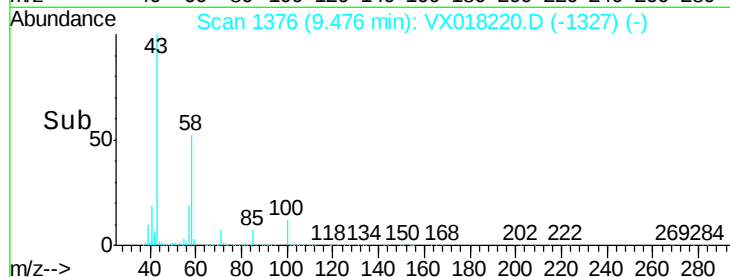
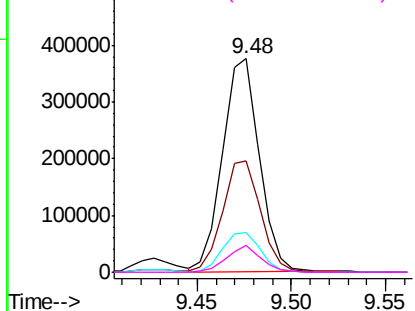
#48
2-Hexanone
Concen: 81.161 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

Instrument :
MSVOA_X
ClientSampleId :
VSTD05038

Tot Ion:	43	Resp:	509406
Ion	Ratio	Lower	Upper
43	100		
58	53.5	41.8	62.8
57	19.5	15.2	22.8
100	11.6	9.4	14.2

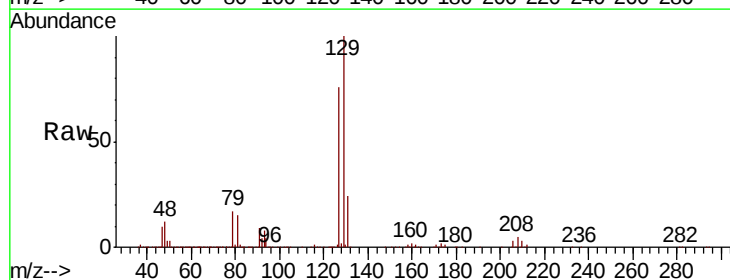


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

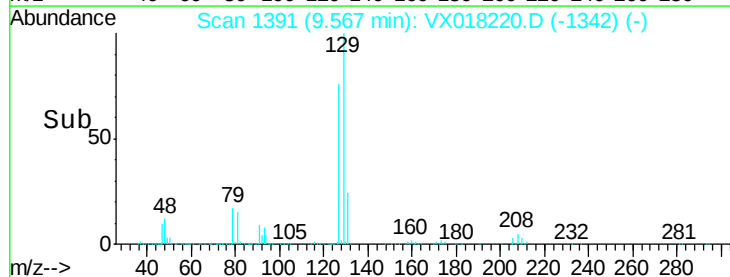
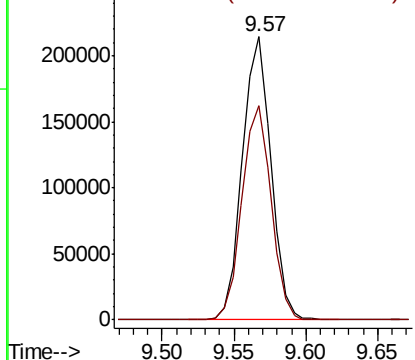


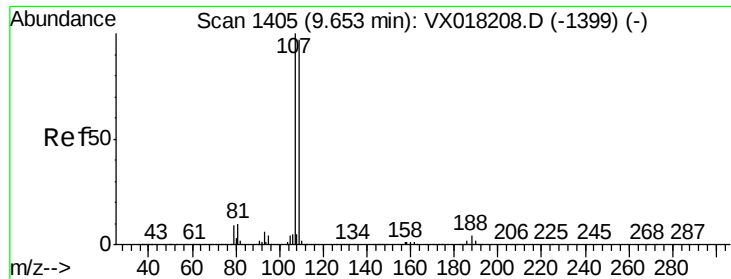
#49
Dibromochloromethane
Concen: 41.859 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018220.D
Acq: 02 Sep 2020 16:56

Tgt Ion:	129	Resp:	294879
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.1	98.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

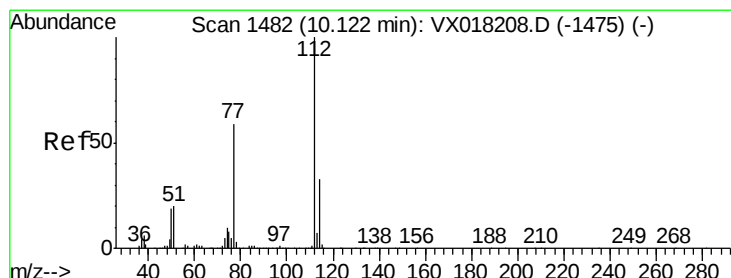
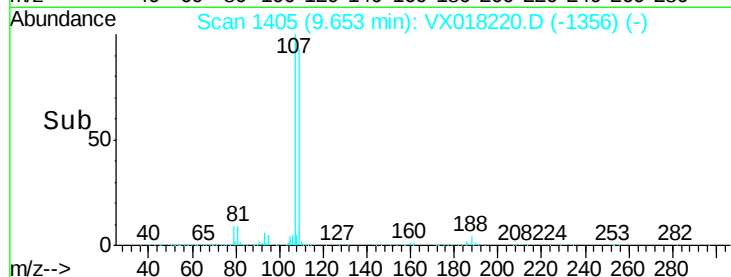
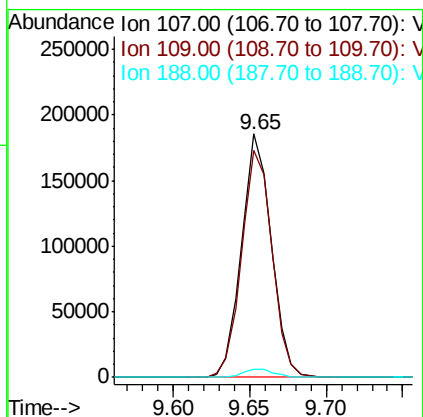
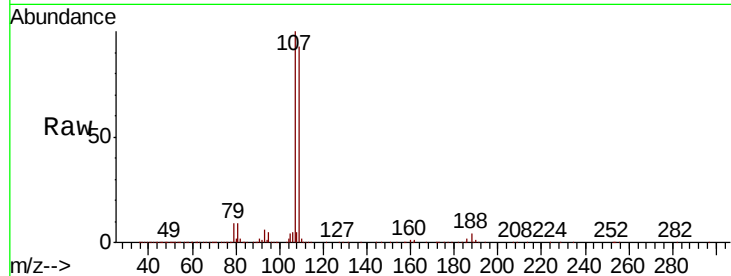




#50
 1,2-Dibromoethane
 Concen: 41.240 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

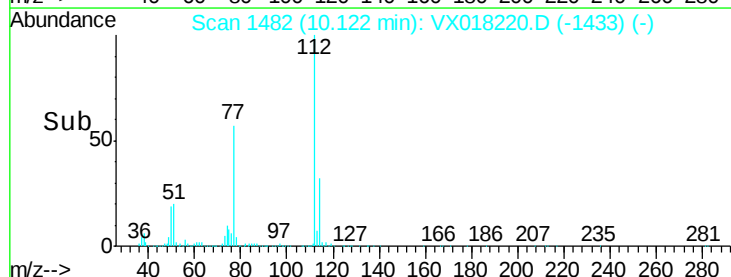
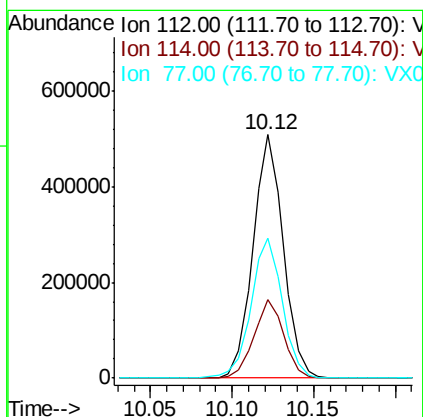
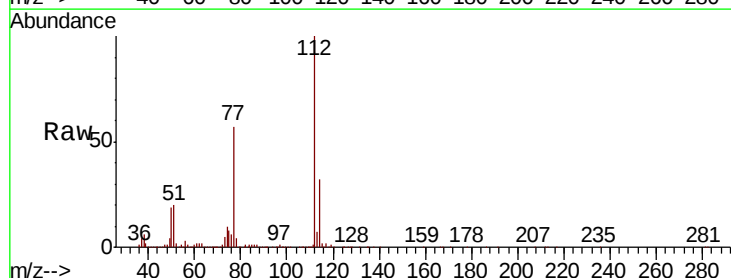
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05038

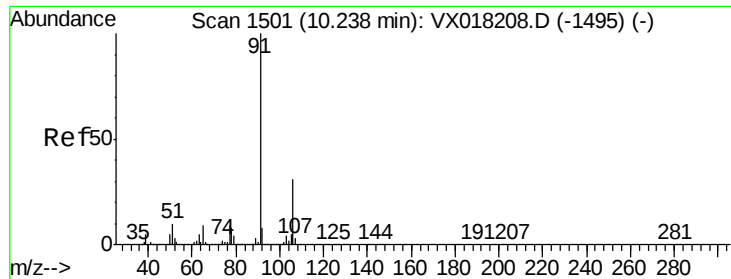
Tot Ion:	107	Resp:	251050
Ion	Ratio	Lower	Upper
107	100		
109	93.4	68.0	126.2
188	3.5	2.8	4.2



#51
 Chlorobenzene
 Concen: 41.565 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

Tgt Ion:	112	Resp:	656959
Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.2	43.2
77	57.3	47.0	70.6





#52

Ethylbenzene

Concen: 42.543 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

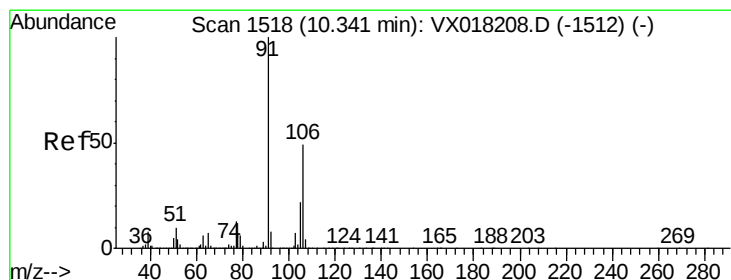
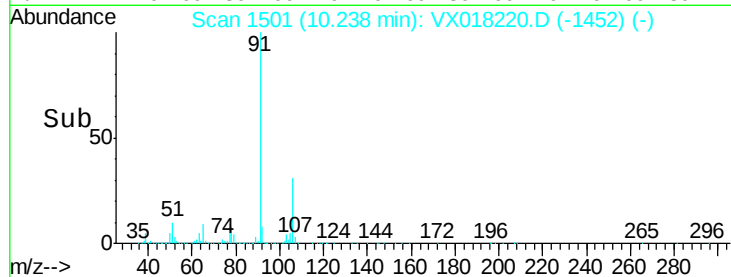
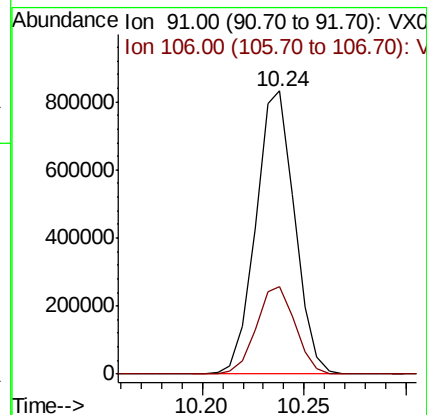
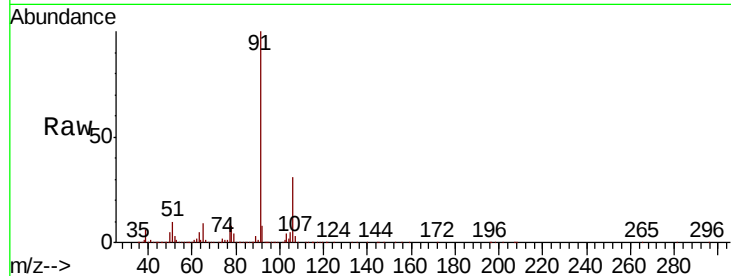
VSTD05038

Tot Ion: 91 Resp: 1100779

Ion Ratio Lower Upper

91 100

106 30.8 21.9 40.7



#53

m,p-Xylene

Concen: 42.067 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018220.D

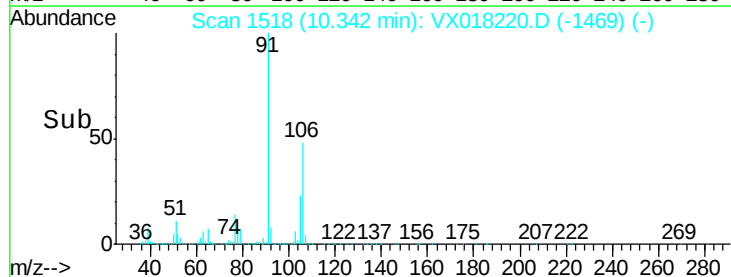
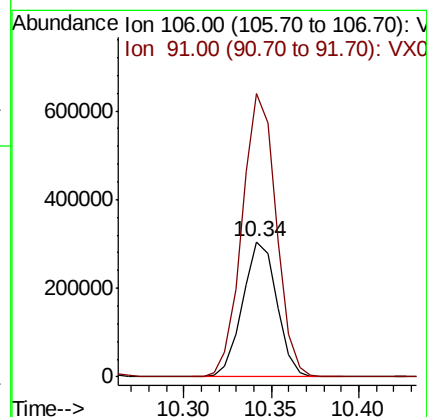
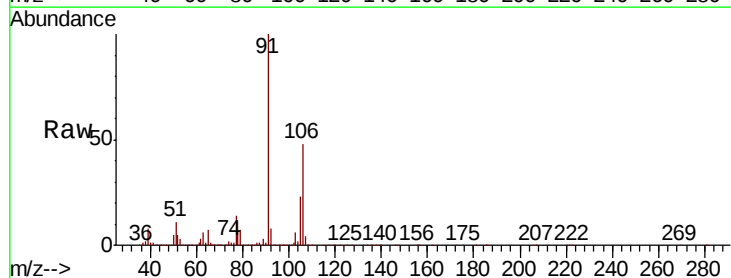
Acq: 02 Sep 2020 16:56

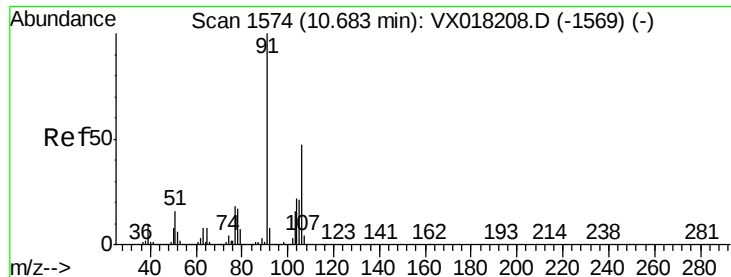
Tgt Ion: 106 Resp: 415816

Ion Ratio Lower Upper

106 100

91 209.7 142.2 264.2





#54

o-xylene

Concen: 42.573 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

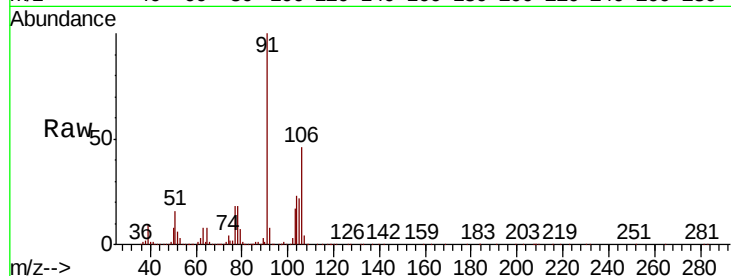
VSTD05038

Tot Ion:106 Resp: 401659

Ion Ratio Lower Upper

106 100

91 215.1 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

400000

200000

0

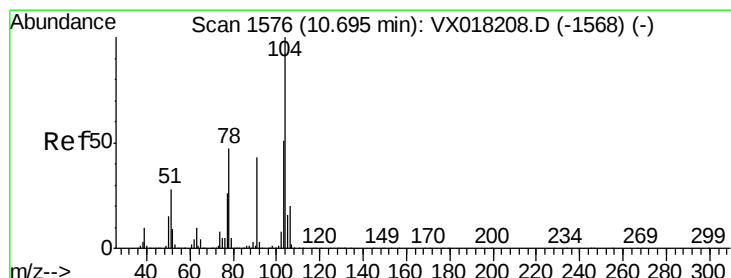
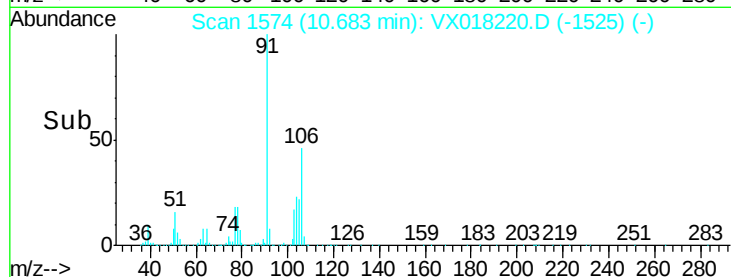
10.68

10.65

10.70

10.75

Time-->



#55

Styrene

Concen: 42.628 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018220.D

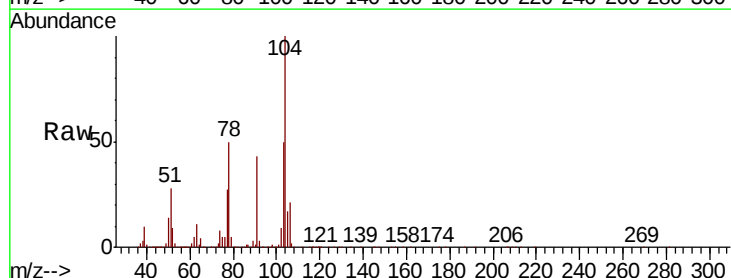
Acq: 02 Sep 2020 16:56

Tgt Ion:104 Resp: 694693

Ion Ratio Lower Upper

104 100

78 49.7 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

600000

500000

400000

300000

200000

100000

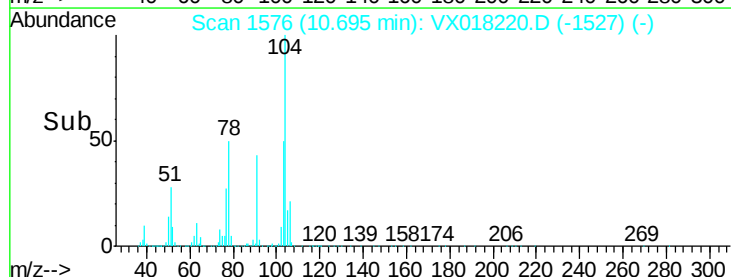
0

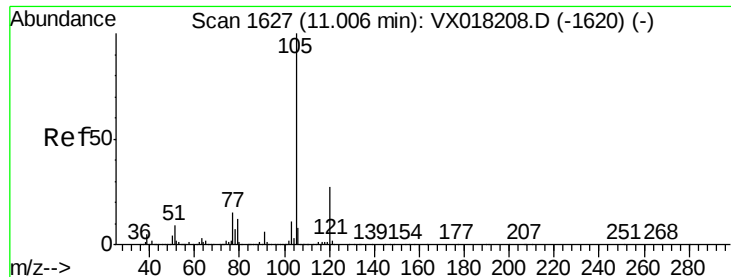
10.70

10.75

10.80

Time-->





#56

Isopropylbenzene

Concen: 42.995 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampled :

VSTD05038

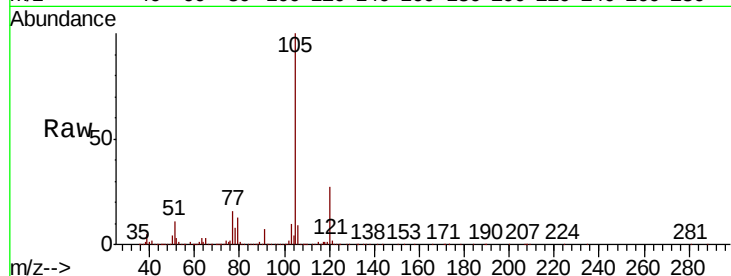
Tot Ion:105 Resp: 1084980

Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

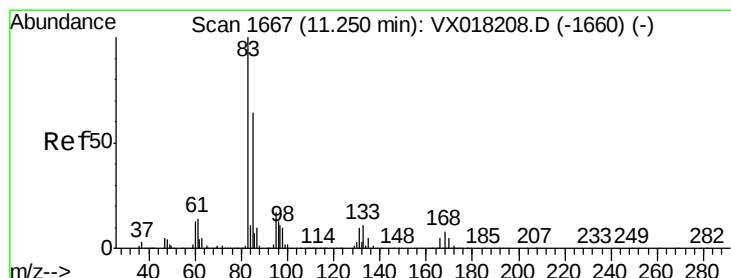
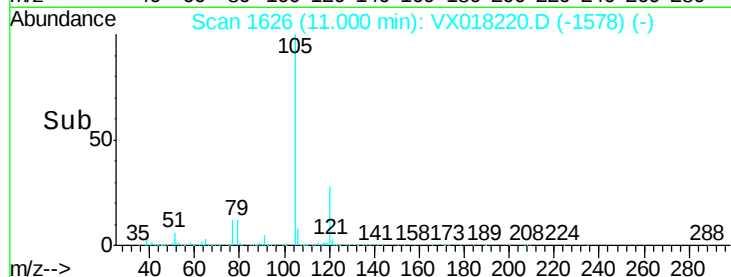
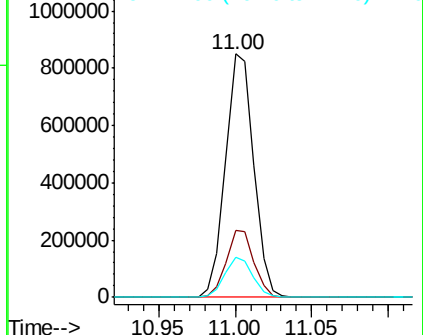
77 16.1 12.7 19.1



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: 41.867 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

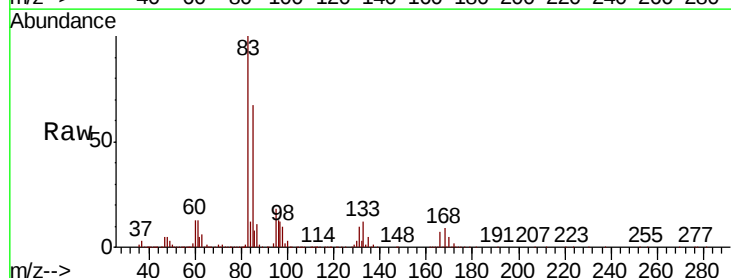
Tgt Ion: 83 Resp: 353406

Ion Ratio Lower Upper

83 100

85 67.5 44.6 82.8

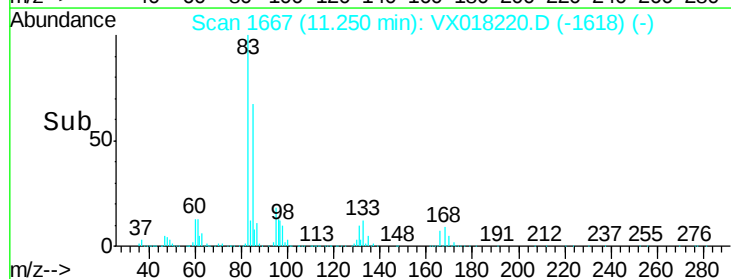
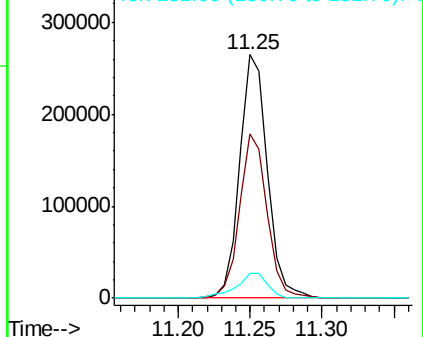
131 10.1 8.0 12.0

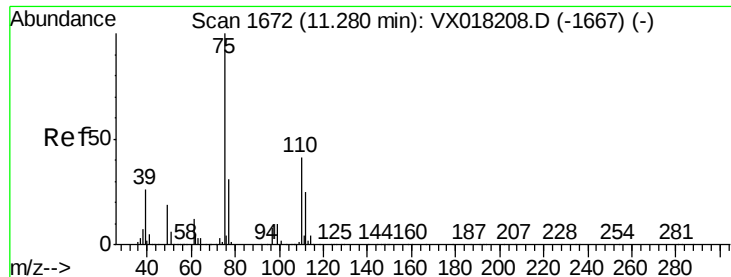


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 40.645 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampled :

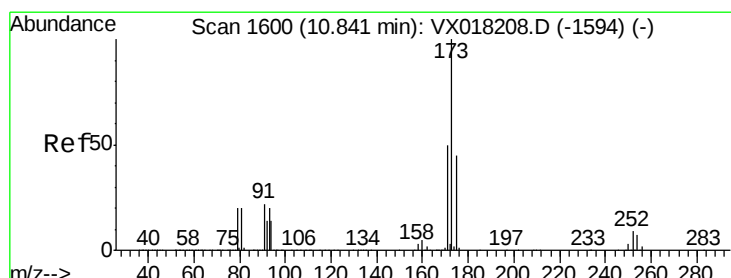
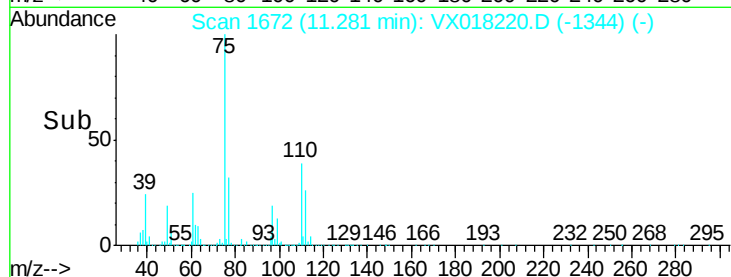
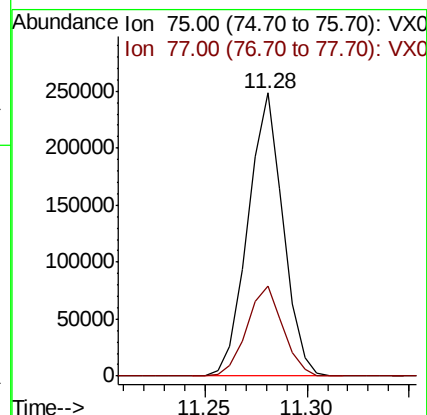
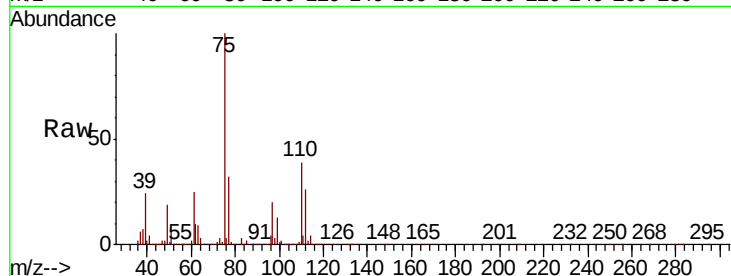
VSTD05038

Tot Ion: 75 Resp: 297331

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



#61

Bromoform

Concen: 39.296 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

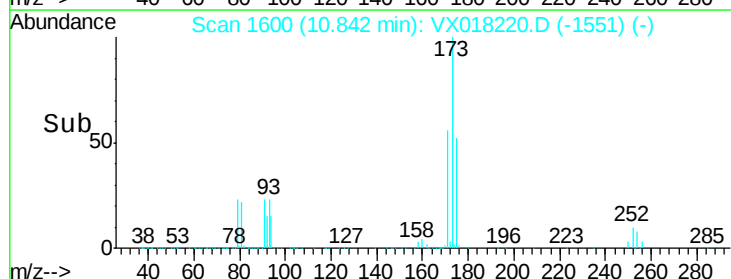
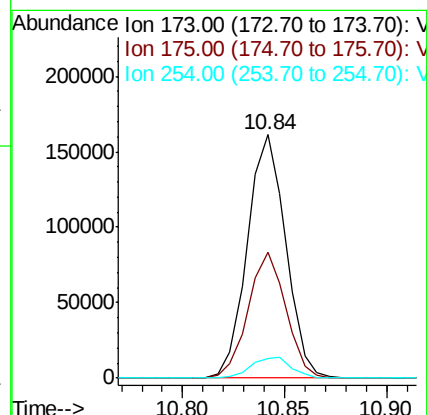
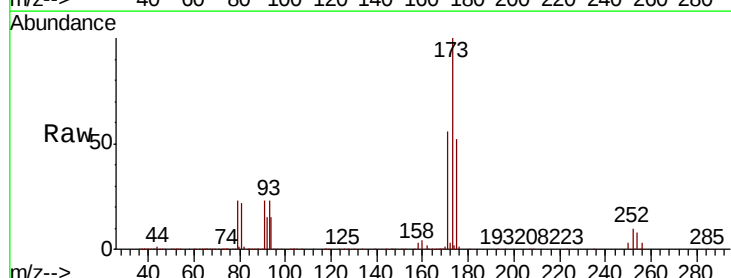
Tgt Ion: 173 Resp: 211391

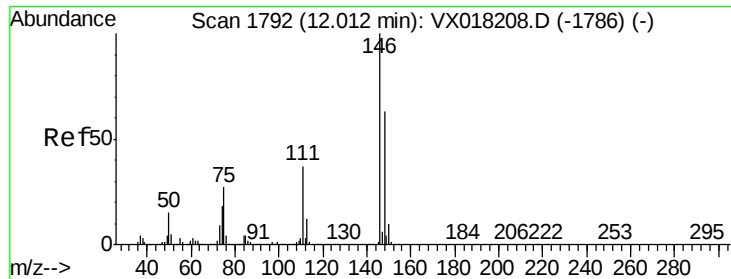
Ion Ratio Lower Upper

173 100

175 50.8 37.9 56.9

254 9.0 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 40.870 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampled :

VSTD05038

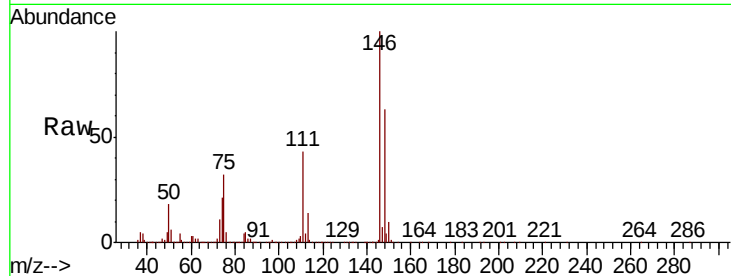
Tot Ion:146 Resp: 509293

Ion Ratio Lower Upper

146 100

111 42.6 26.2 48.6

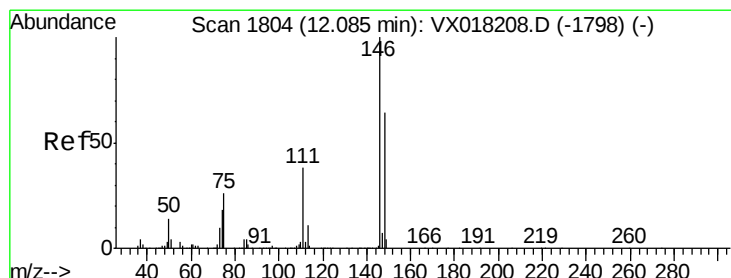
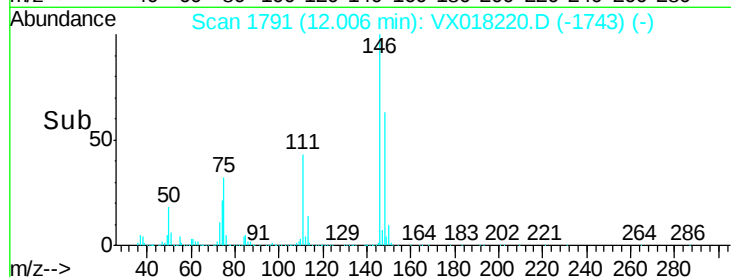
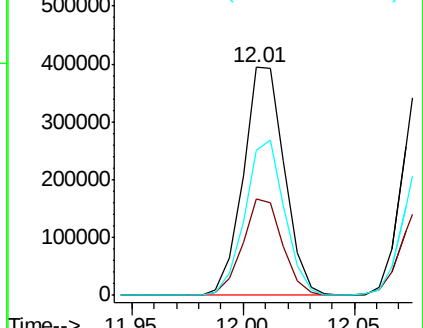
148 63.5 44.2 82.2



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: 41.111 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

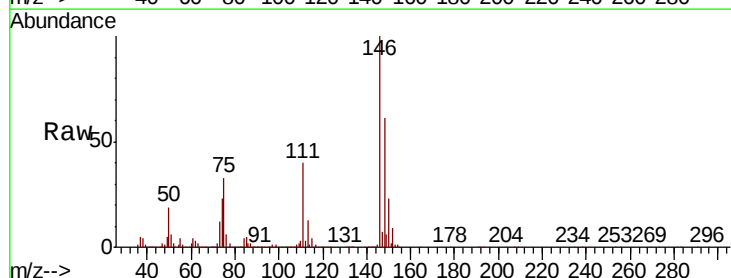
Tgt Ion:146 Resp: 521529

Ion Ratio Lower Upper

146 100

111 39.8 26.5 49.1

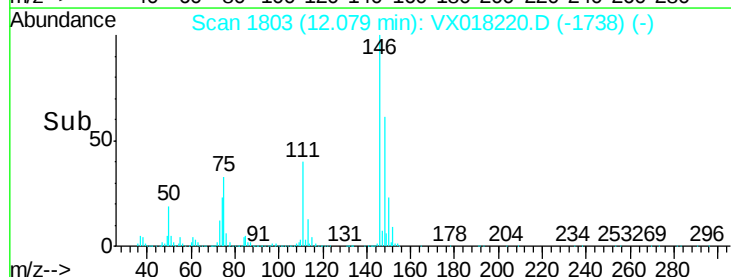
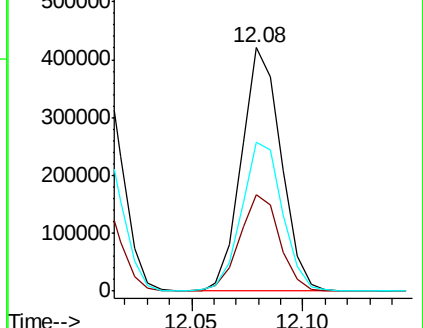
148 61.3 44.5 82.7

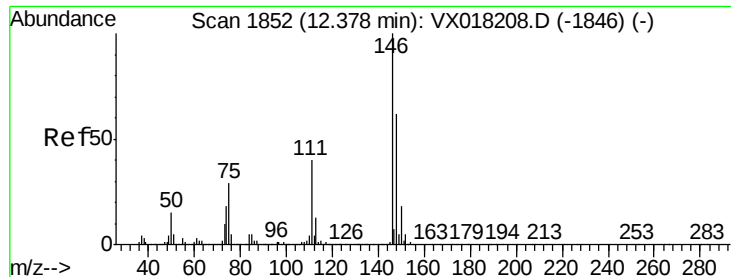


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 42.437 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampled :

VSTD05038

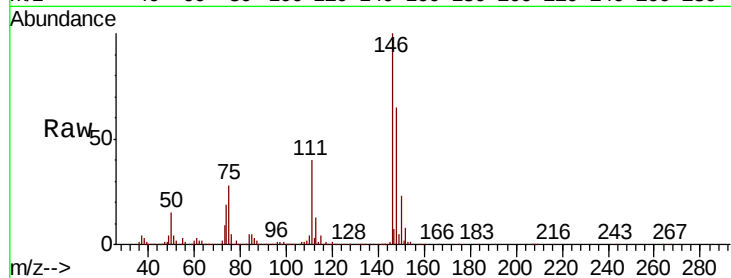
Tot Ion:146 Resp: 509437

Ion Ratio Lower Upper

146 100

111 40.3 32.4 48.6

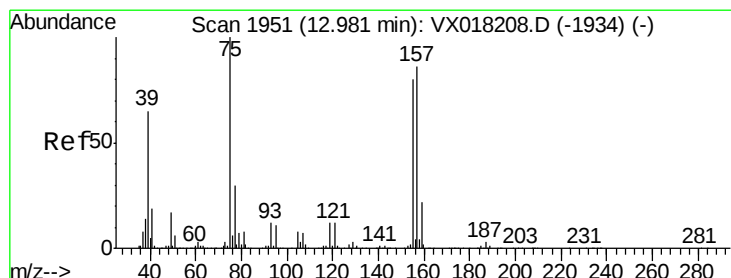
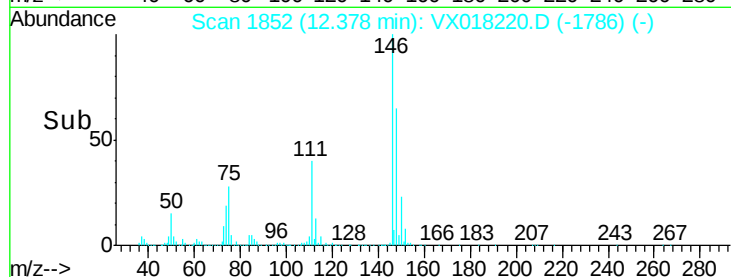
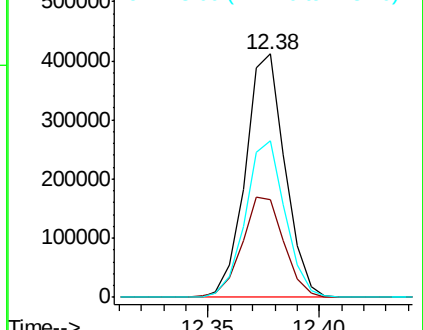
148 64.6 49.7 74.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 39.722 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

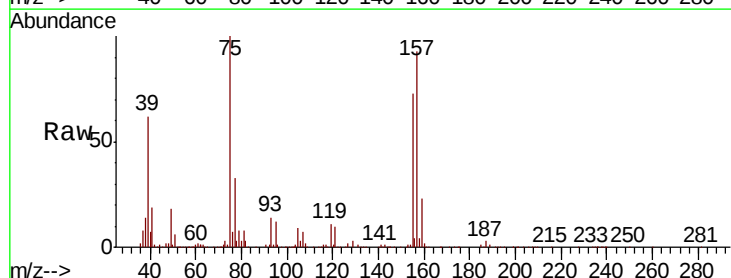
Tgt Ion: 75 Resp: 89184

Ion Ratio Lower Upper

75 100

155 73.0 63.8 95.8

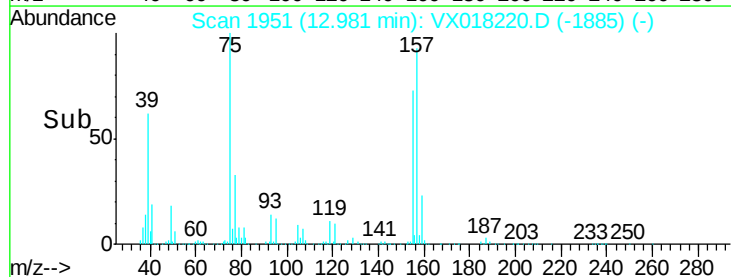
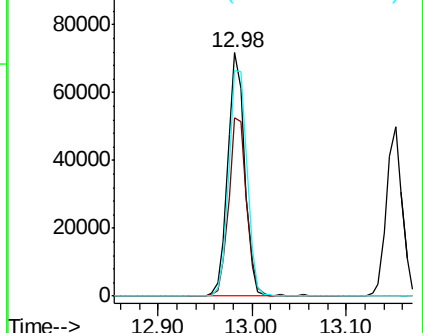
157 93.0 68.5 102.7

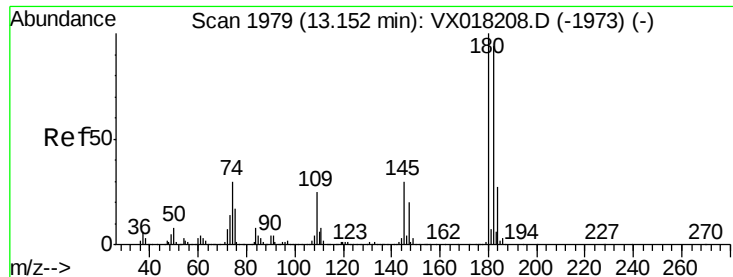


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

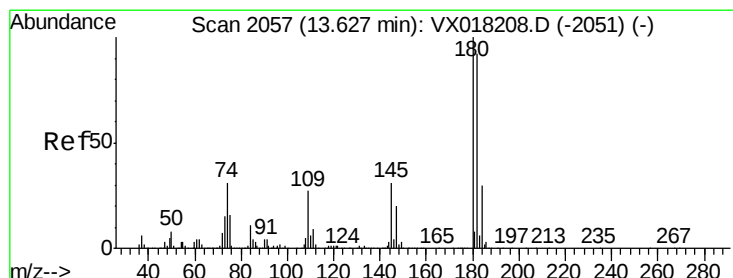
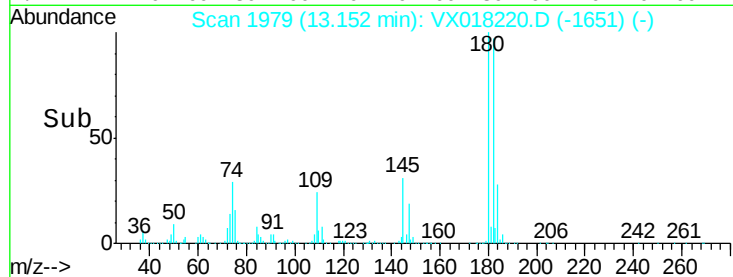
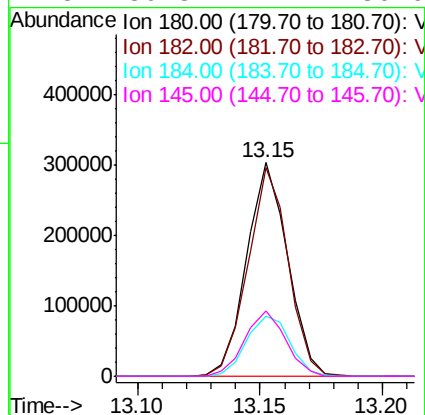
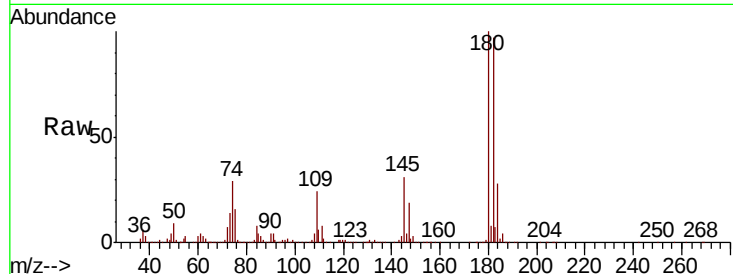




#67
 1,3,5-Trichlorobenzene
 Concen: 43.270 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

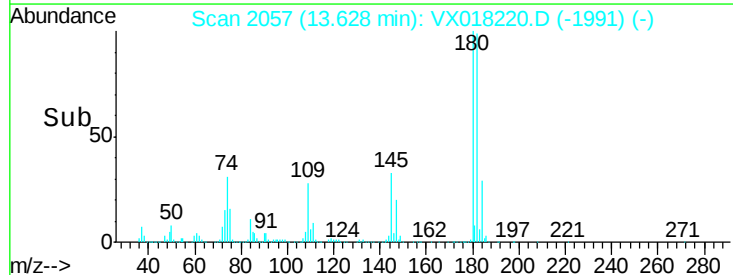
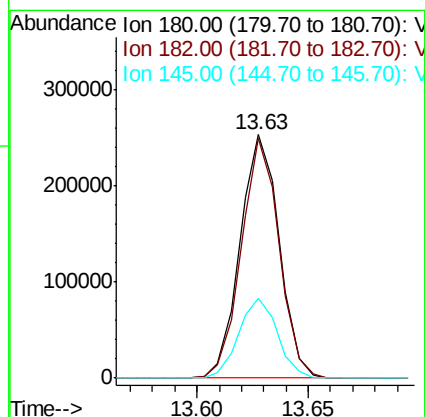
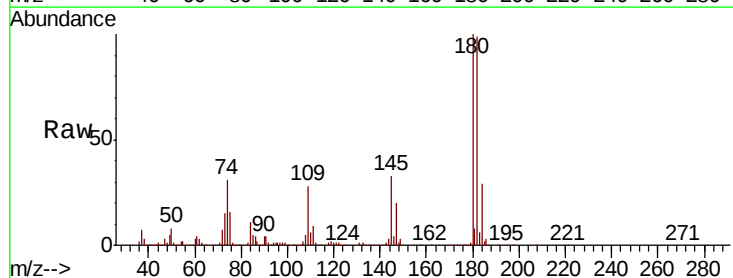
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD05038

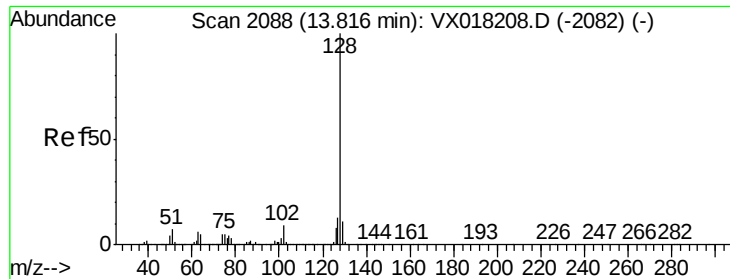
Tot Ion:180	Resp:	351847
Ion Ratio	Lower	Upper
180	100	
182	95.8	77.1 115.7
184	30.0	23.8 35.6
145	30.8	24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 41.342 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018220.D
 Acq: 02 Sep 2020 16:56

Tgt Ion:180	Resp:	310186
Ion Ratio	Lower	Upper
180	100	
182	94.7	74.1 111.1
145	32.3	25.0 37.4





#69

Naphthalene

Concen: 43.735 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD05038

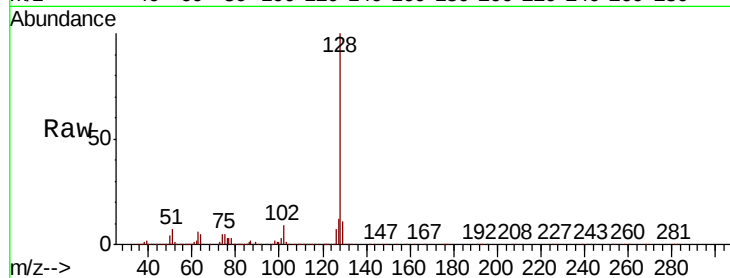
Tot Ion:128 Resp: 1037638

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

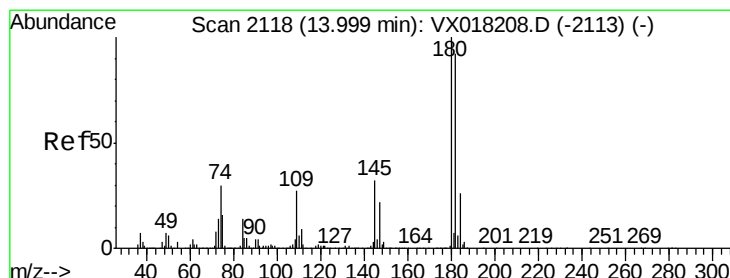
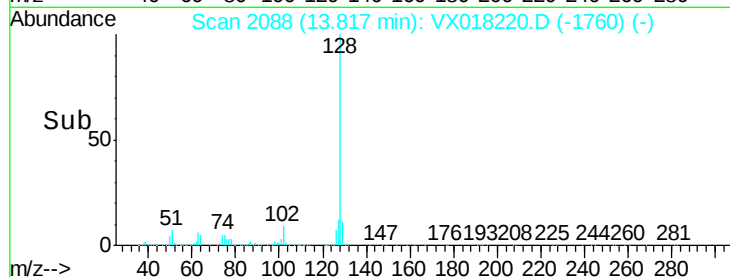
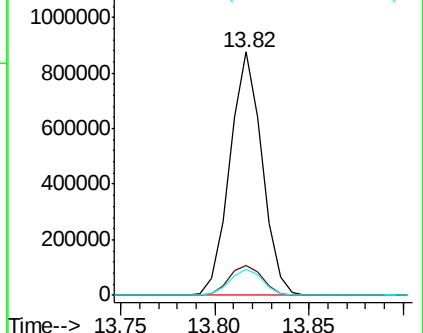
129 11.1 8.6 12.8



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: 42.979 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018220.D

Acq: 02 Sep 2020 16:56

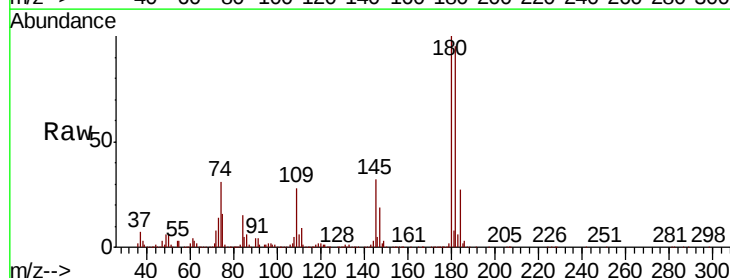
Tgt Ion:180 Resp: 322541

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.4

145 33.1 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

