

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018520.D
 Acq On : 22 Sep 2020 11:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050409

Quant Time: Sep 23 01:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 02:17:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	742529	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	710992	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	370299	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	244510	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.14%
7) Chloroethane-d5	1.70	69	179459	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.30%
11) 1,1-Dichloroethene-d2	2.34	63	506163	50.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.92%
21) 2-Butanone-d5	4.53	46	325329	99.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.37%
24) Chloroform-d	5.14	84	501742	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
26) 1,2-Dichloroethane-d4	6.03	65	350537	49.31	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
32) Benzene-d6	6.05	84	953784	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
36) 1,2-Dichloropropane-d6	7.37	67	297676	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.70%
41) Toluene-d8	8.70	98	919648	50.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.98%
43) trans-1,3-Dichloropropene-	8.99	79	169736	51.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.94%
47) 2-Hexanone-d5	9.43	63	239079	100.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.20%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	382333	49.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.48%
66) 1,2-Dichlorobenzene-d4	12.36	152	367159	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	313761	49.072	ug/L	99
3) Chloromethane	1.31	50	250155	51.247	ug/L	99
5) Vinyl chloride	1.39	62	269320	49.609	ug/L	98
6) Bromomethane	1.64	94	150846	52.137	ug/L	96
8) Chloroethane	1.72	64	153785	48.217	ug/L	97
9) Trichlorofluoromethane	1.92	101	456129	49.746	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	257819	51.720	ug/L	100
12) 1,1-Dichloroethene	2.36	96	230529	49.287	ug/L	97
13) Acetone	2.42	43	241565	100.311	ug/L	96
14) Carbon disulfide	2.55	76	702422	49.388	ug/L	99
15) Methyl Acetate	2.75	43	237657	46.506	ug/L #	90
16) Methylene chloride	2.84	84	251099	49.001	ug/L	96
17) trans-1,2-Dichloroethene	3.14	96	240018	48.766	ug/L	99
18) Methyl tert-butyl Ether	3.16	73	771881	48.682	ug/L	99
19) 1,1-Dichloroethane	3.67	63	450874	49.273	ug/L	99
22) 2-Butanone	4.64	43	357247	97.703	ug/L	99
23) Bromochloromethane	4.98	128	142572	48.140	ug/L	95

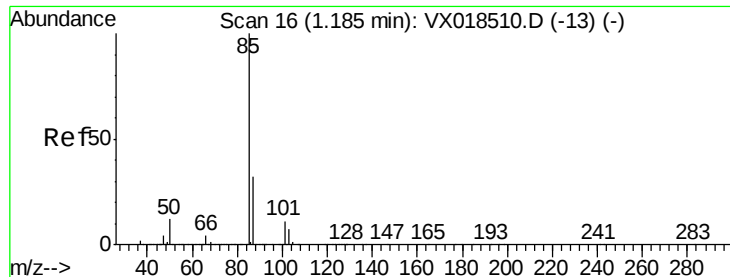
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092120\
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 Acq On : 22 Sep 2020 11:01
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 02:17:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.17	83	496388	48.523	ug/L	97
27) 1,2-Dichloroethane	6.16	62	399938	48.848	ug/L	98
29) Cyclohexane	5.54	56	390508	50.059	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	459291	48.075	ug/L	99
31) Carbon tetrachloride	5.75	117	431243	49.970	ug/L	99
33) Benzene	6.11	78	983249	49.300	ug/L	100
34) Trichloroethene	7.18	95	277799	49.919	ug/L	97
35) Methylcyclohexane	7.44	83	415072	51.324	ug/L	99
37) 1,2-Dichloropropane	7.49	63	248157	47.147	ug/L	100
38) Bromodichloromethane	7.87	83	366010	48.430	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	422590	49.737	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	658914	94.384	ug/L	100
42) Toluene	8.76	91	1084850	50.631	ug/L	95
44) trans-1,3-Dichloropropene	9.02	75	428136	49.516	ug/L	96
45) 1,1,2-Trichloroethane	9.20	97	248006	48.642	ug/L	99
46) Tetrachloroethene	9.32	164	231953	50.647	ug/L	97
48) 2-Hexanone	9.47	43	534066	97.124	ug/L	99
49) Dibromochloromethane	9.56	129	307419	47.851	ug/L	96
50) 1,2-Dibromoethane	9.65	107	270028	48.155	ug/L	99
51) Chlorobenzene	10.12	112	701328	48.734	ug/L	98
52) Ethylbenzene	10.23	91	1198946	50.233	ug/L	98
53) m,p-Xylene	10.34	106	459656	50.562	ug/L	100
54) o-Xylene	10.68	106	442700	50.561	ug/L	97
55) Styrene	10.70	104	765632	50.790	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	365784	46.883	ug/L	98
59) Bromoform	10.84	173	226255	46.340	ug/L	100
60) Isopropylbenzene	11.00	105	1199632	50.638	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	301431	45.124	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	1008332	51.556	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	1011950	50.797	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	566564	48.419	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	583645	49.388	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	556390	49.384	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	89651	45.754	ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	406315	52.348	ug/L	94
70) 1,2,4-trichlorobenzene	13.63	180	361049	50.678	ug/L	97
71) Naphthalene	13.82	128	1115026	50.143	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	366559	51.333	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.072 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

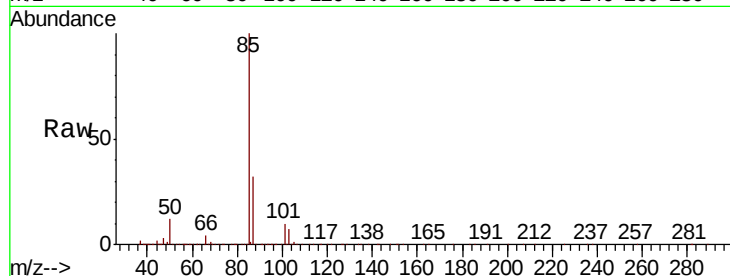
VSTD050409

Tot Ion: 85 Resp: 313761

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

400000

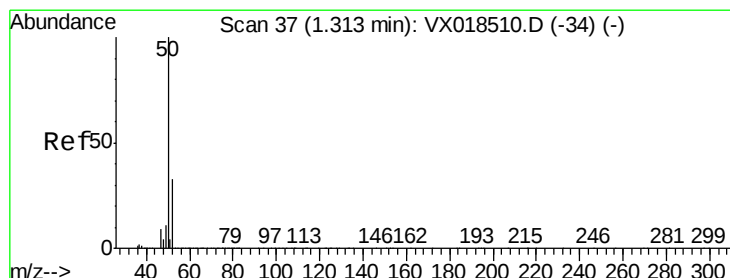
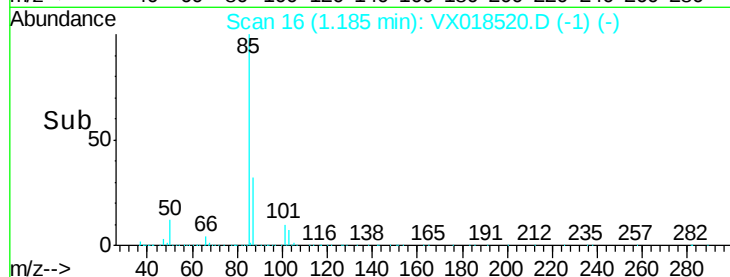
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 51.247 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018520.D

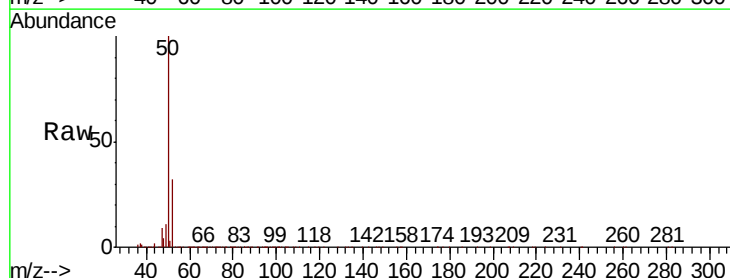
Acq: 22 Sep 2020 11:01

Tgt Ion: 50 Resp: 250155

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.31

300000

250000

200000

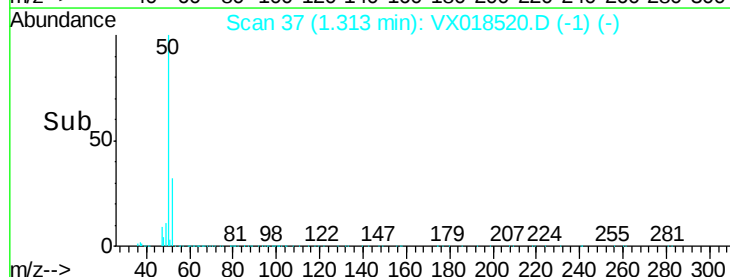
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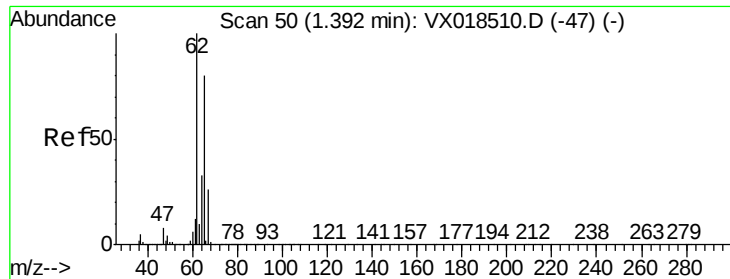
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.609 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

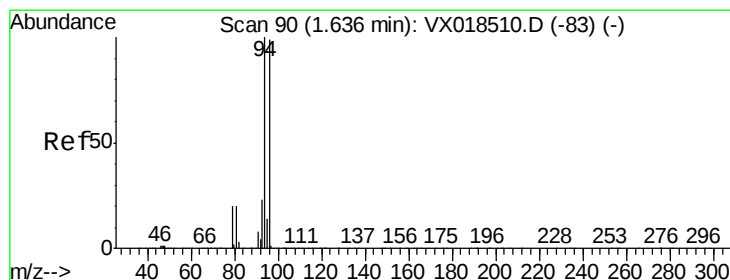
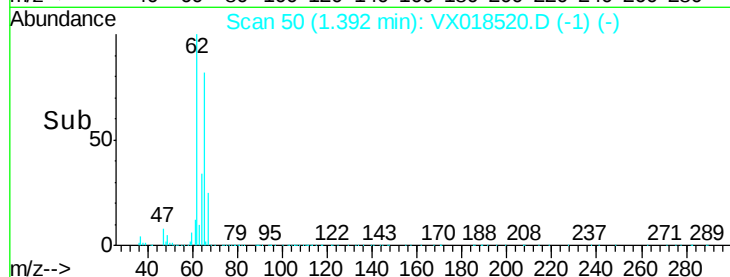
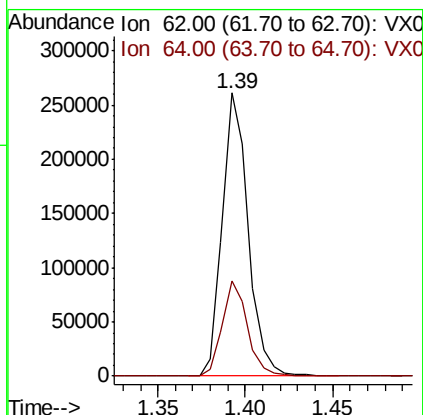
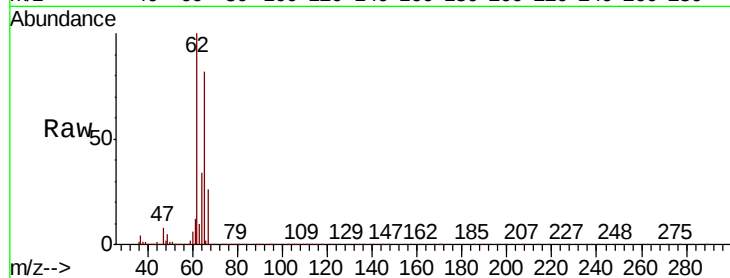
VSTD050409

Tot Ion: 62 Resp: 269320

Ion Ratio Lower Upper

62 100

64 33.7 23.0 42.6



#6

Bromomethane

Concen: 52.137 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018520.D

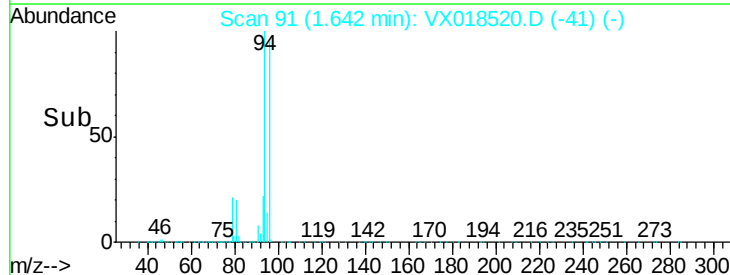
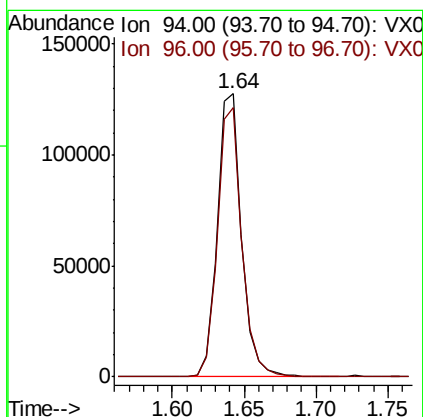
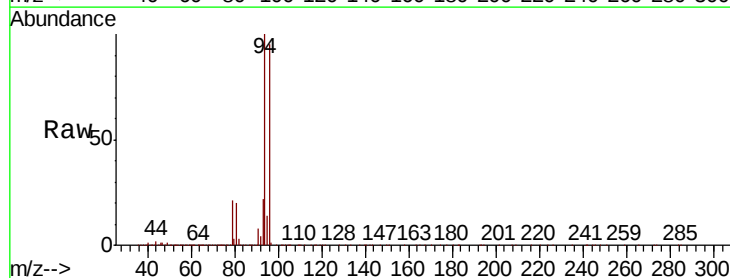
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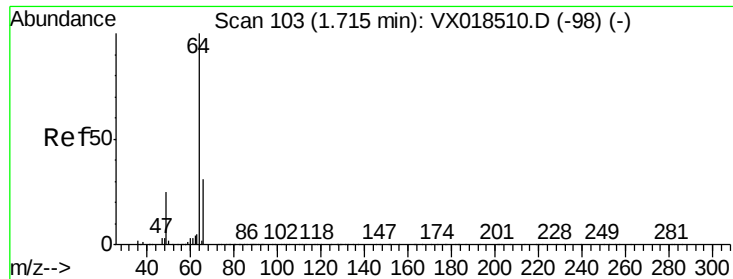
Tgt Ion: 94 Resp: 150846

Ion Ratio Lower Upper

94 100

96 95.0 69.2 128.4

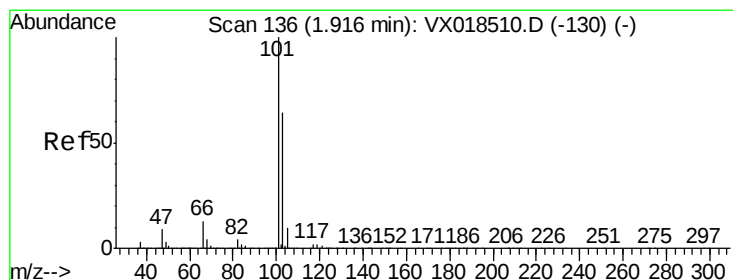
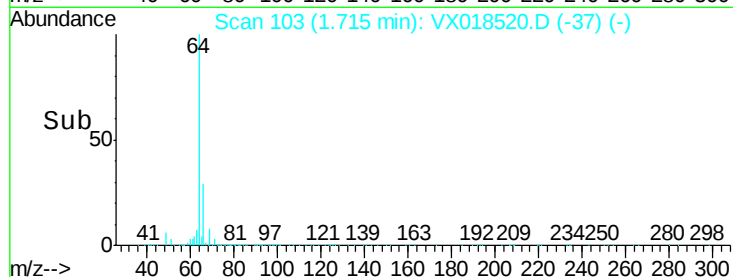
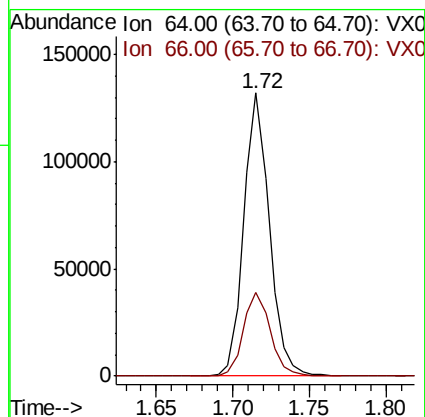
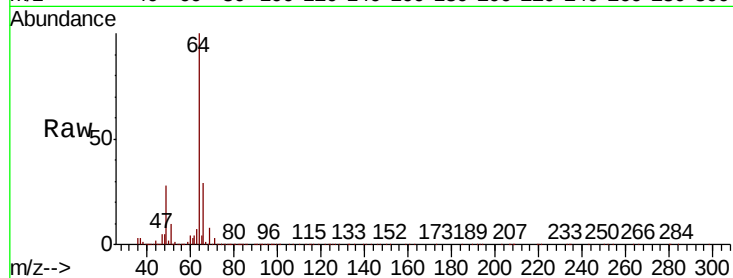




#8
Chloroethane
Concen: 48.217 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

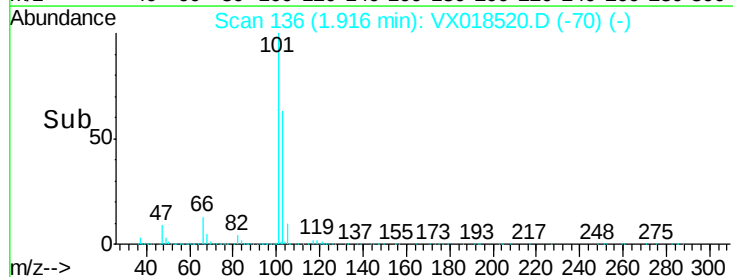
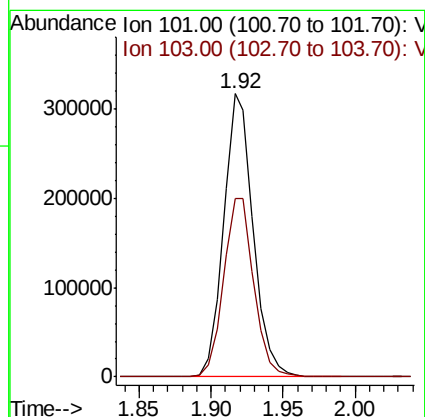
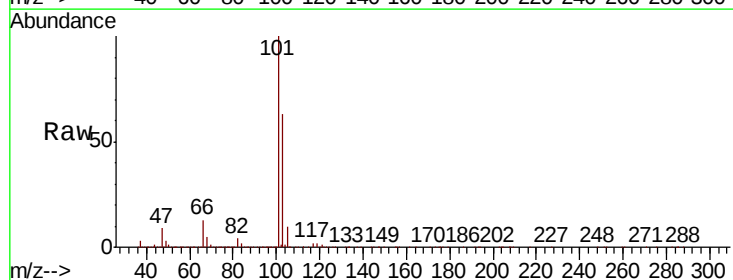
Instrument :
MSVOA_X
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VSTD050409

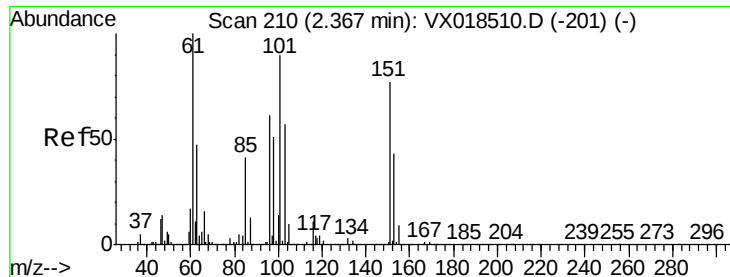
Tot Ion: 64 Resp: 153785
Ion Ratio Lower Upper
64 100
66 29.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 49.746 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

Tgt Ion: 101 Resp: 456129
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3





#10

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

Concen: 51.720 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD050409

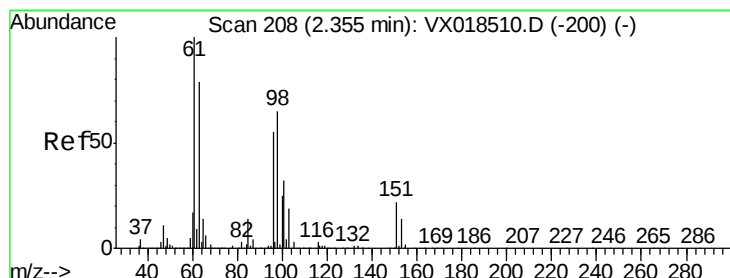
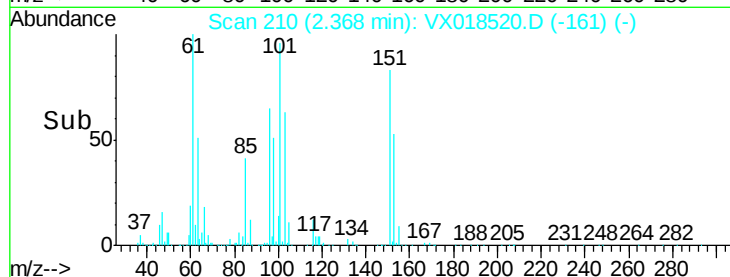
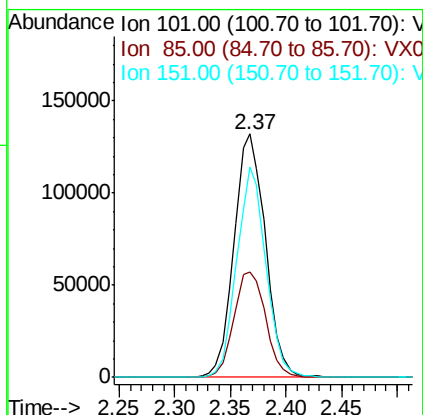
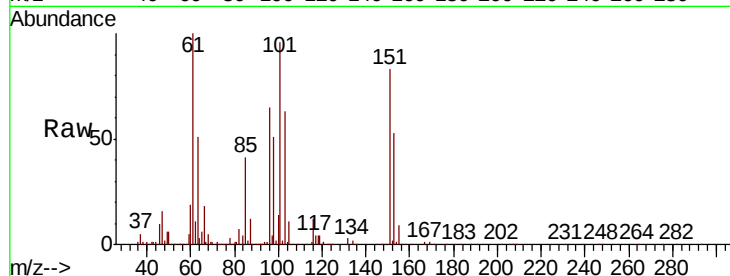
Tot Ion:101 Resp: 257819

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

151 80.7 65.0 97.4



#12

1,1-Dichloroethene

Concen: 49.287 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

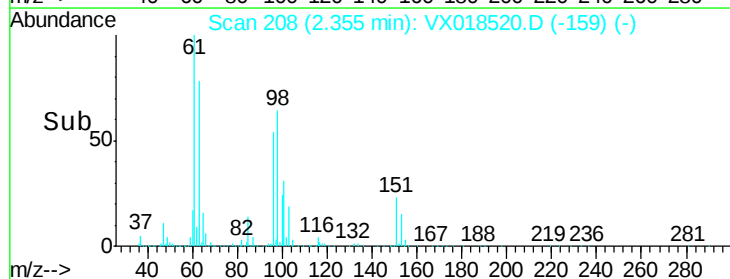
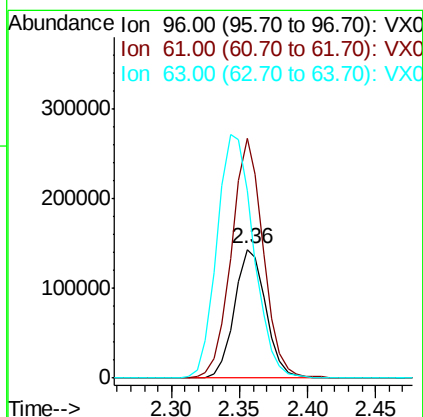
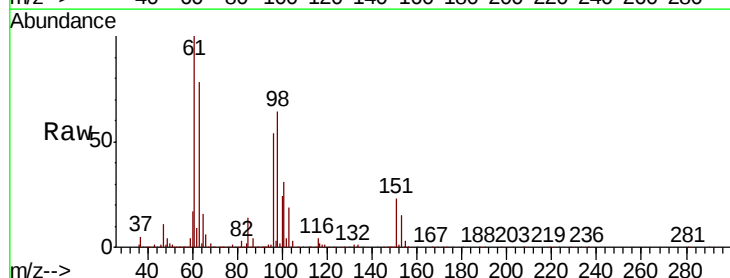
Tgt Ion: 96 Resp: 230529

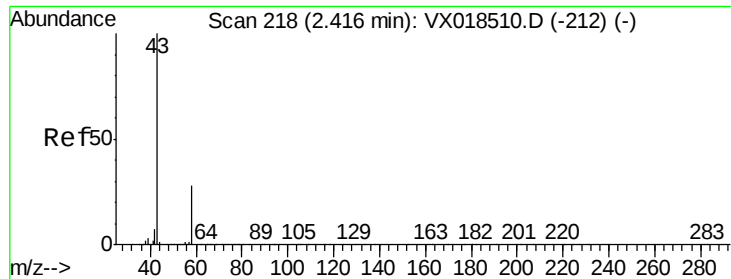
Ion Ratio Lower Upper

96 100

61 186.3 126.8 235.6

63 145.3 100.3 186.3





#13

Acetone

Concen: 100.311 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

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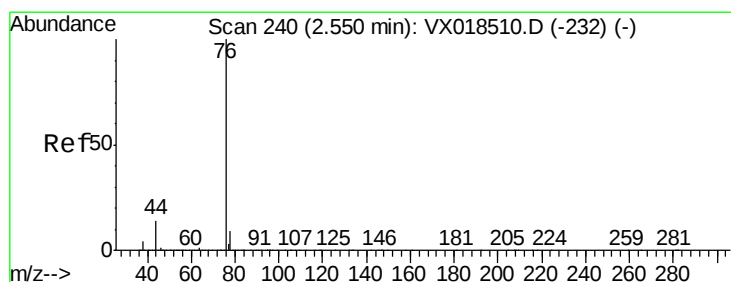
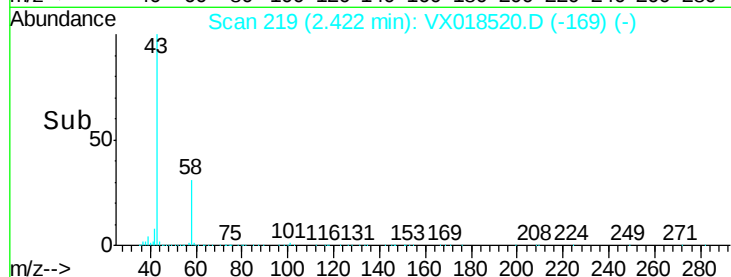
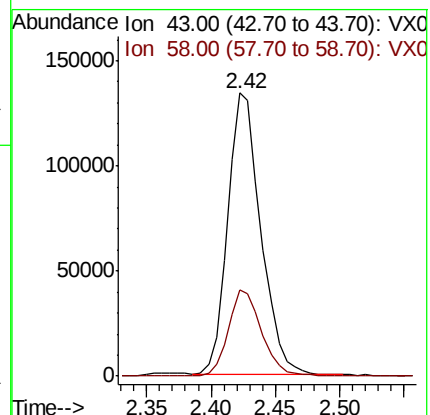
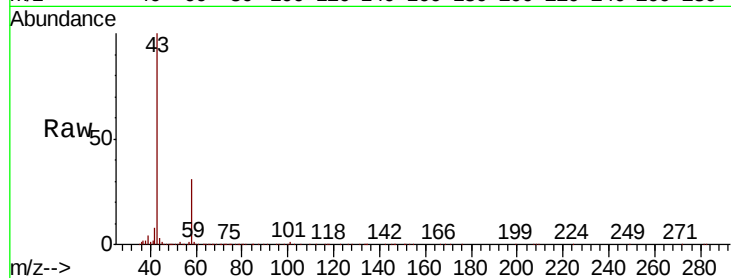
VSTD050409

Tot Ion: 43 Resp: 241565

Ion Ratio Lower Upper

43 100

58 30.8 0.0 57.6



#14

Carbon disulfide

Concen: 49.388 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018520.D

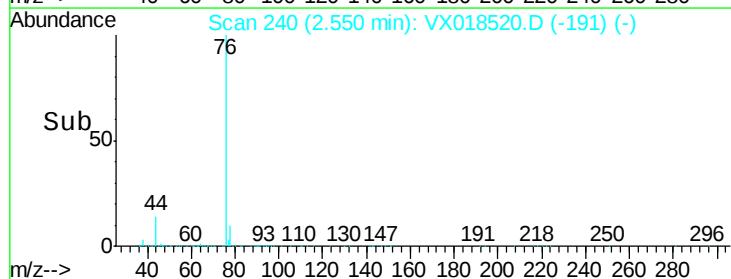
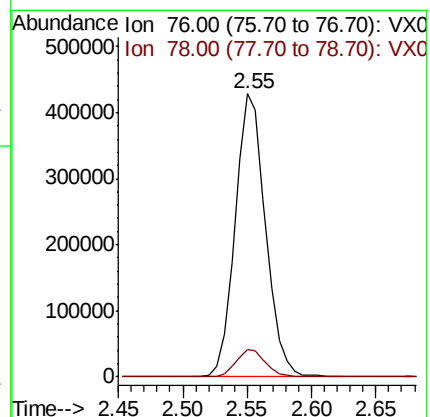
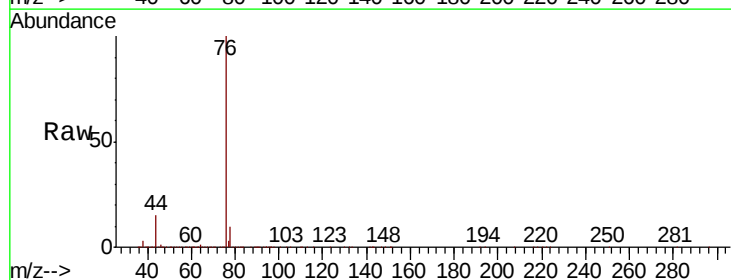
Acq: 22 Sep 2020 11:01

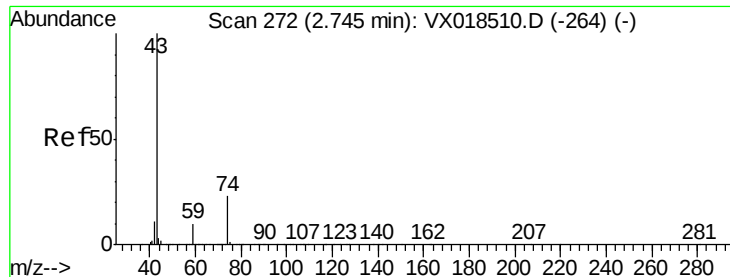
Tgt Ion: 76 Resp: 702422

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





#15

Methvl Acetate

Concen: 46.506 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

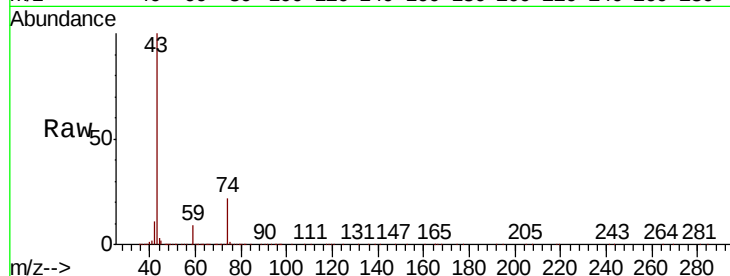
VSTD050409

Tot Ion: 43 Resp: 237657

Ion Ratio Lower Upper

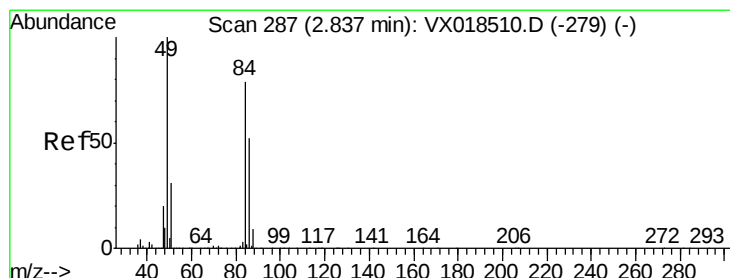
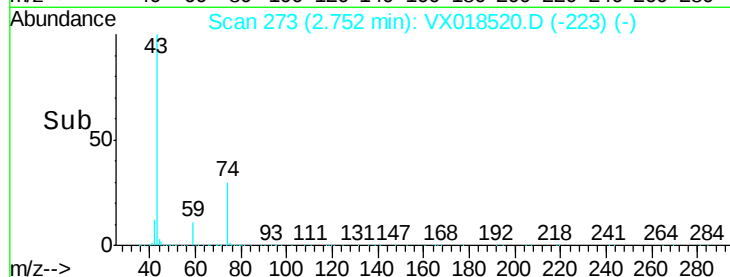
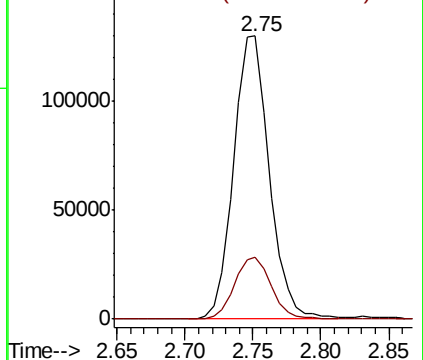
43 100

74 22.7 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#16

Methylene chloride

Concen: 49.001 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

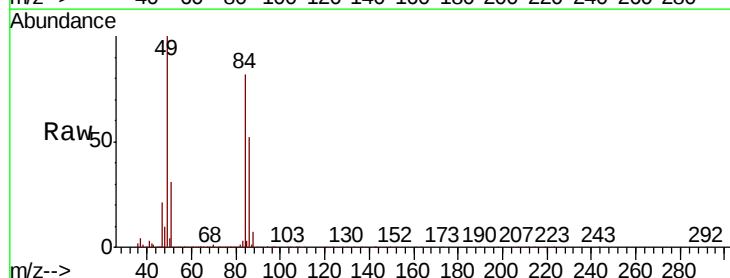
Tgt Ion: 84 Resp: 251099

Ion Ratio Lower Upper

84 100

86 62.8 46.1 85.7

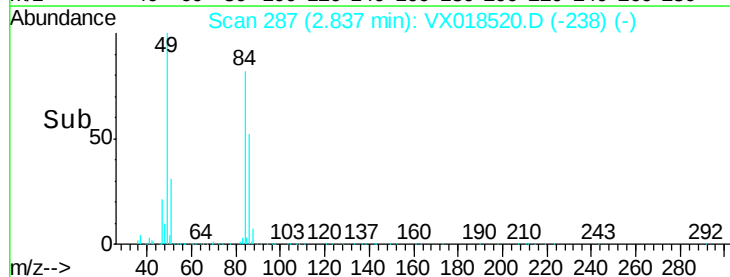
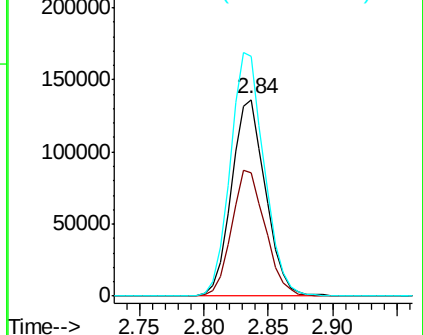
49 121.7 88.5 164.3

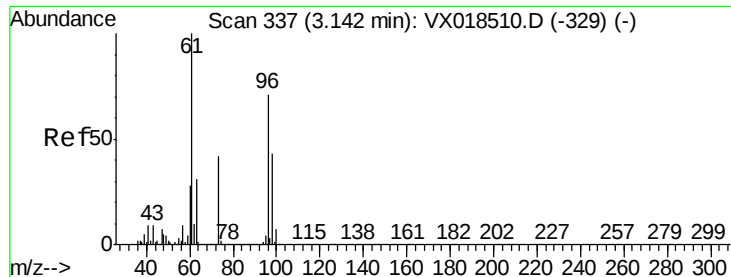


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

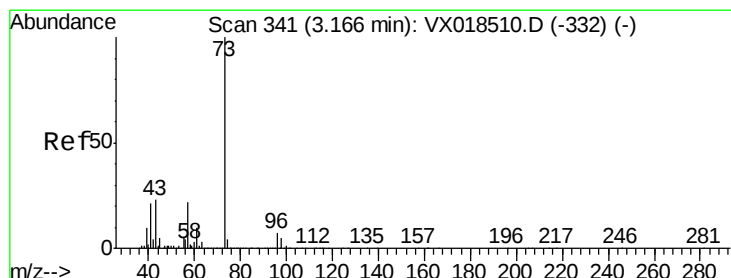
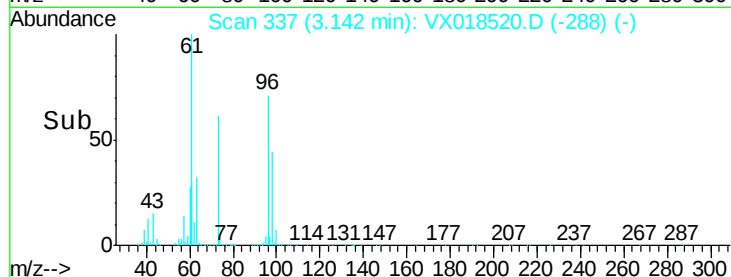
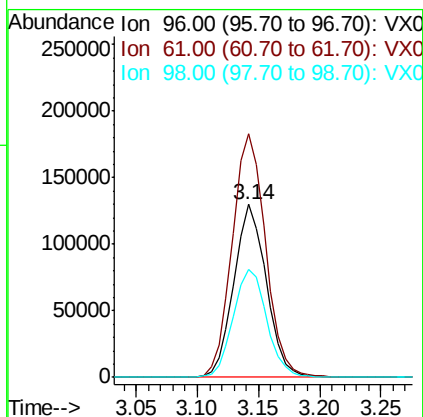
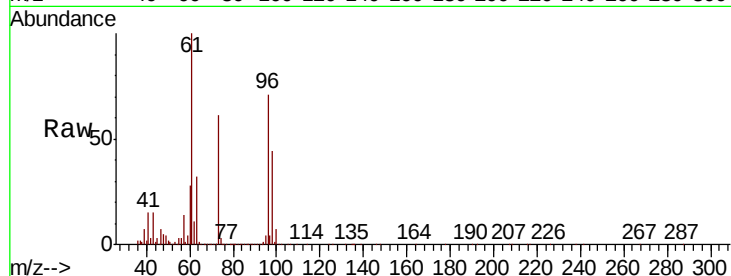




#17
trans-1,2-Dichloroethene
Concen: 48.766 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

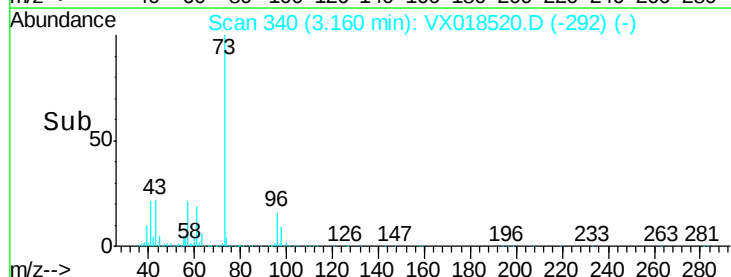
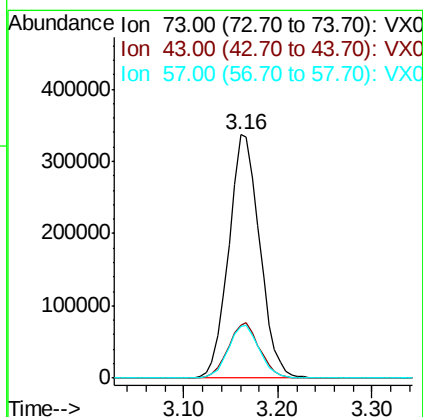
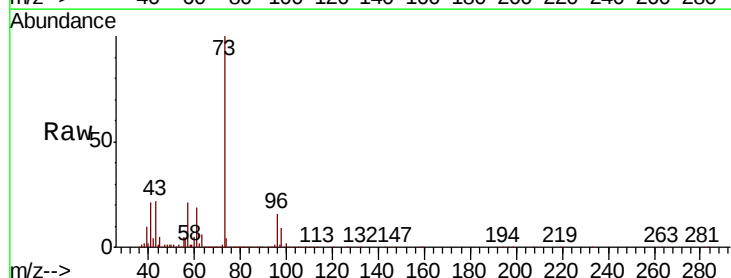
Instrument :
MSVOA_X
ClientSampleId :
VSTD050409

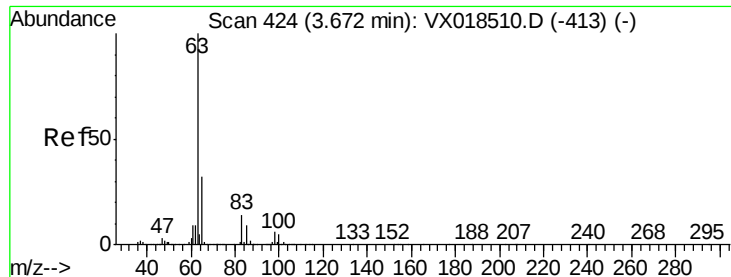
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	140.6	98.3	182.5	
98	62.5	42.0	78.0	



#18
Methyl tert-butyl Ether
Concen: 48.682 ug/L
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	22.7	17.8	26.6	
57	21.7	17.1	25.7	





#19

1,1-Dichloroethane

Concen: 49.273 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD050409

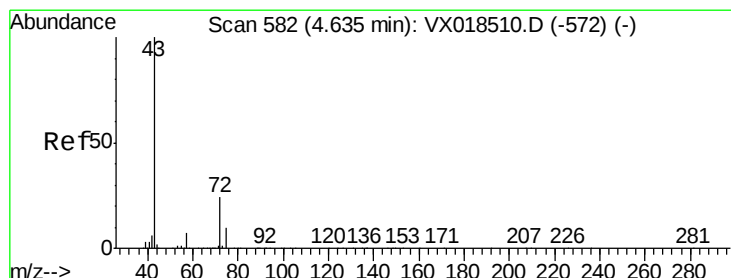
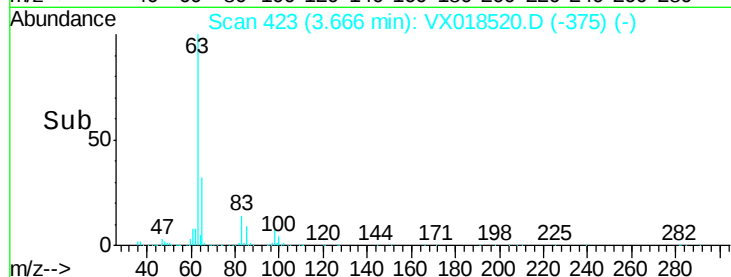
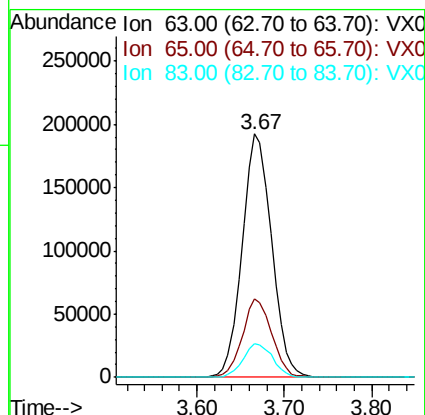
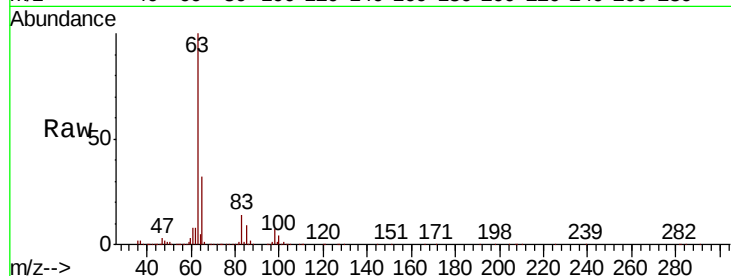
Tot Ion: 63 Resp: 450874

Ion Ratio Lower Upper

63 100

65 32.5 22.5 41.7

83 13.9 9.7 17.9



#22

2-Butanone

Concen: 97.703 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018520.D

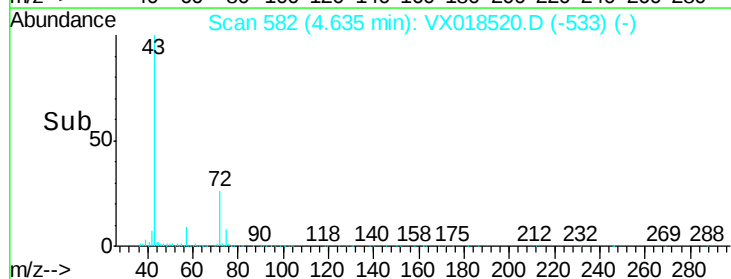
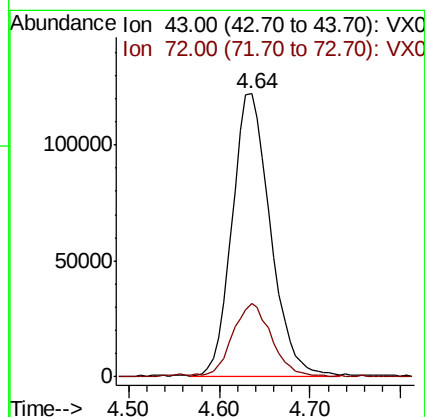
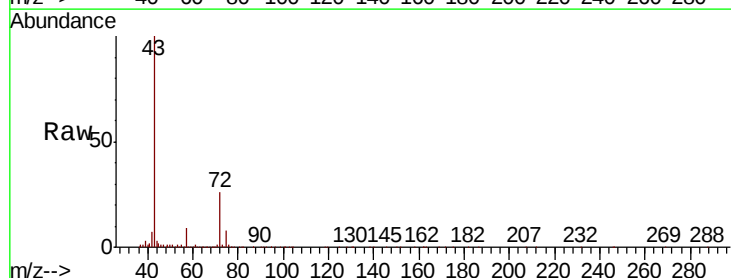
Acq: 22 Sep 2020 11:01

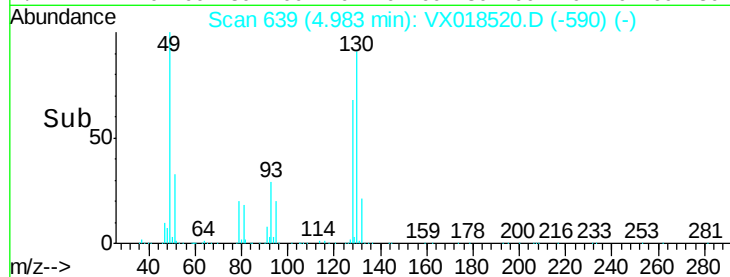
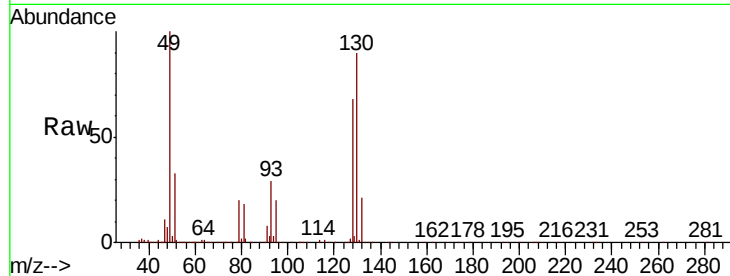
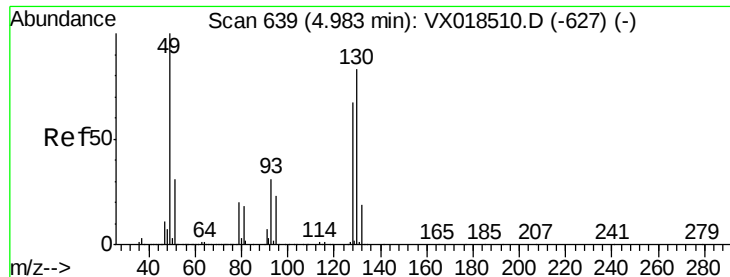
Tgt Ion: 43 Resp: 357247

Ion Ratio Lower Upper

43 100

72 26.3 12.9 38.6

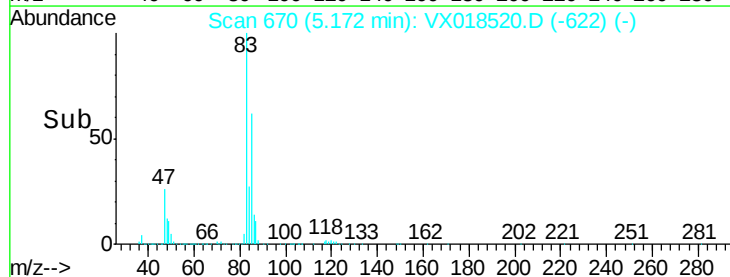
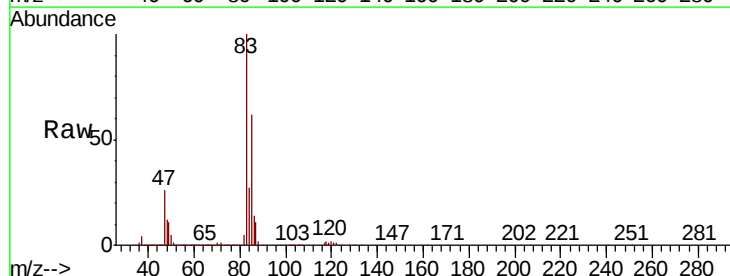
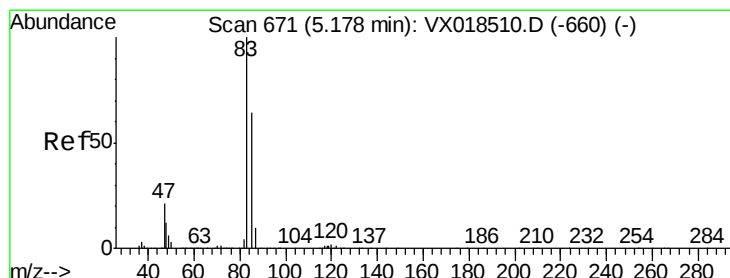
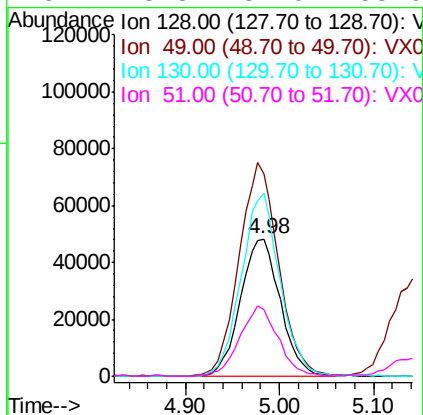




#23
Bromochloromethane
Concen: 48.140 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

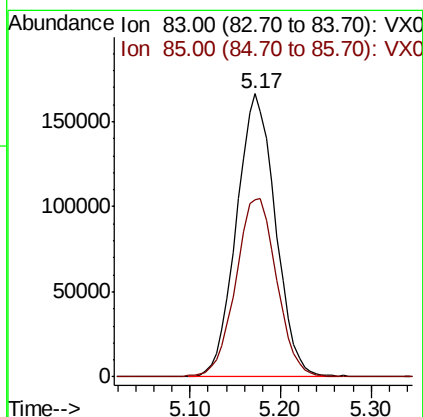
Instrument :
MSVOA_X
ClientSampleId :
VSTD050409

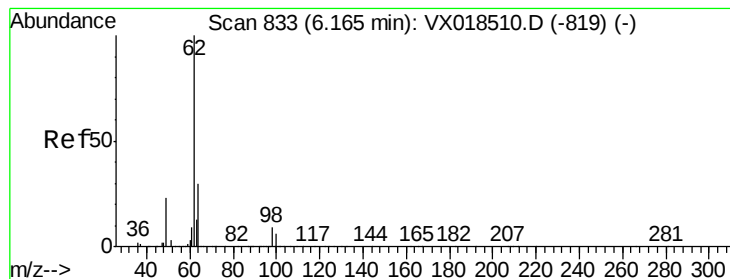
Tot Ion:	128	Resp:	142572
Ion	Ratio	Lower	Upper
128	100		
49	147.8	104.9	194.7
130	133.6	86.5	160.7
51	48.8	37.0	55.6



#25
Chloroform
Concen: 48.523 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

Tgt Ion:	83	Resp:	496388
Ion	Ratio	Lower	Upper
83	100		
85	62.5	45.6	84.8





#27

1,2-Dichloroethane

Concen: 48.848 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

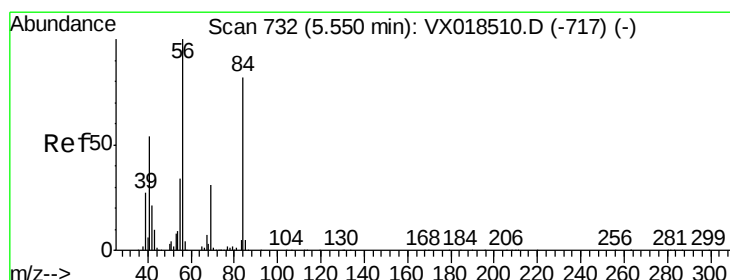
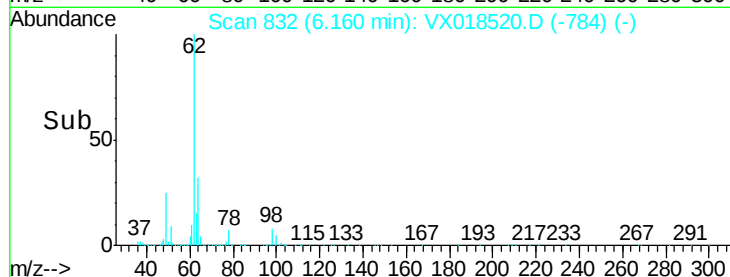
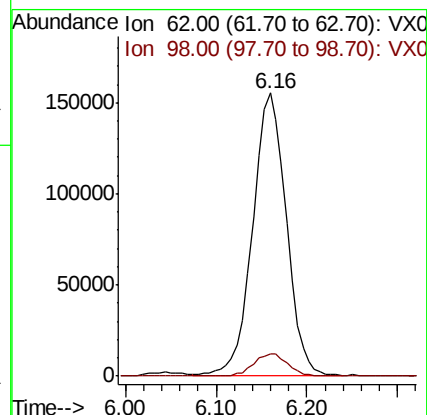
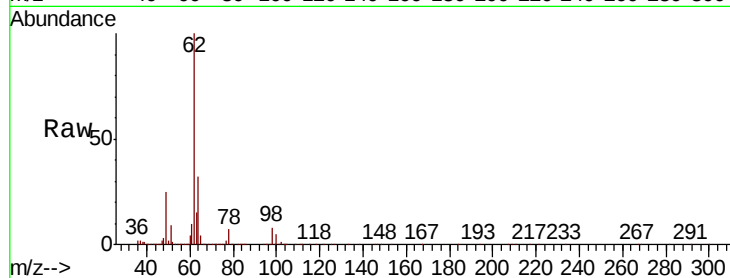
VSTD050409

Tot Ion: 62 Resp: 399938

Ion Ratio Lower Upper

62 100

98 7.7 6.7 10.1



#29

Cyclohexane

Concen: 50.059 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

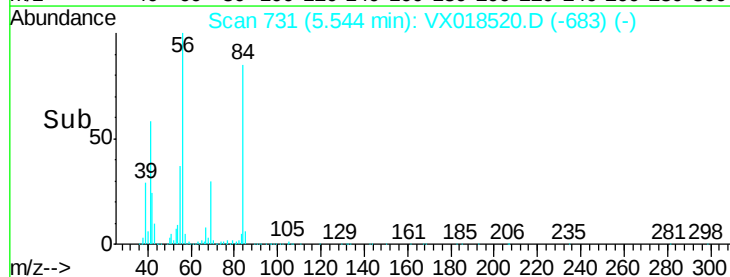
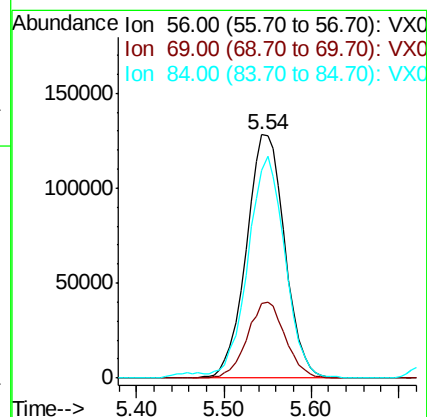
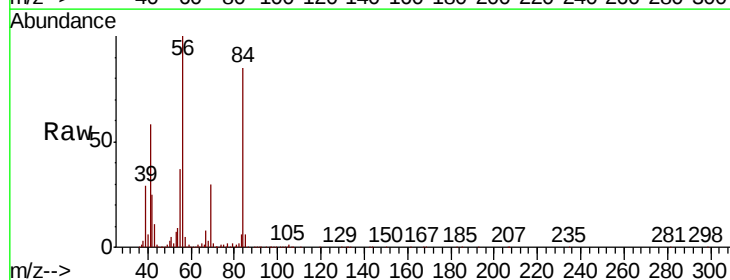
Tgt Ion: 56 Resp: 390508

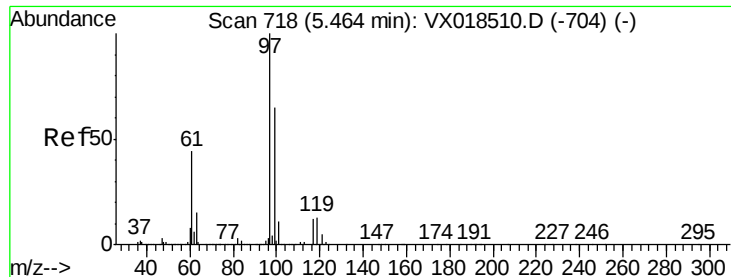
Ion Ratio Lower Upper

56 100

69 30.8 25.2 37.8

84 87.5 69.1 103.7

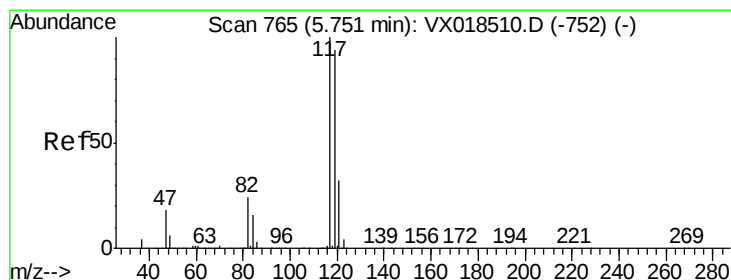
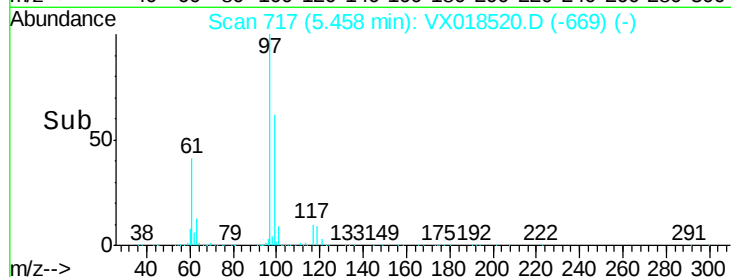
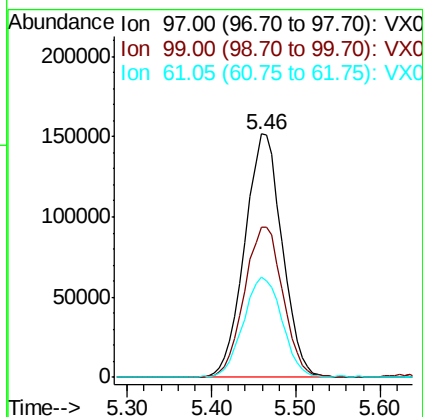
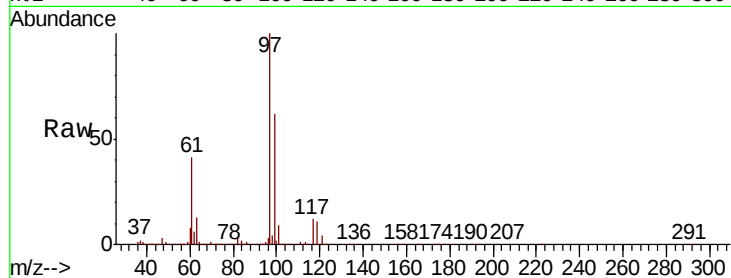




#30
 1,1,1-Trichloroethane
 Concen: 48.075 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

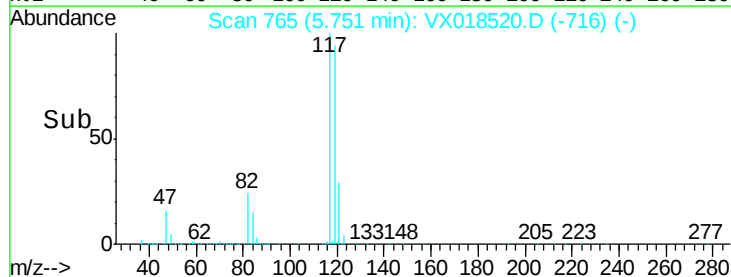
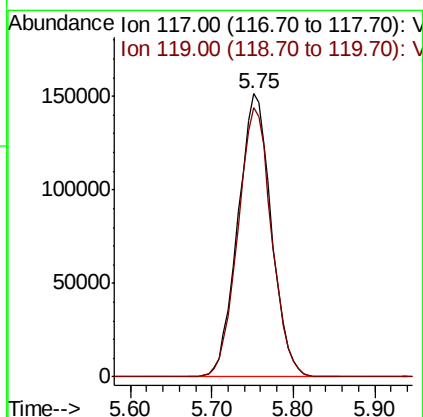
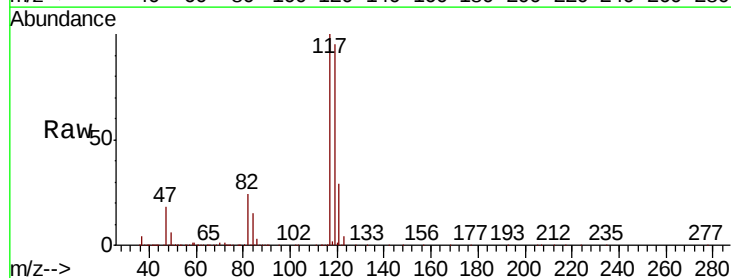
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050409

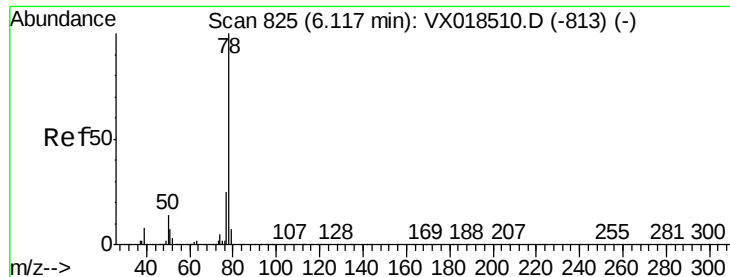
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.9	77.9
61	42.5	34.4	51.6



#31
 Carbon tetrachloride
 Concen: 49.970 ug/L
 RT: 5.75 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.5	116.3





#33

Benzene

Concen: 49.300 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

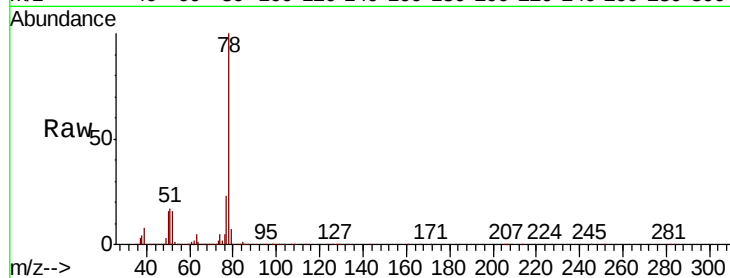
Instrument :

MSVOA_X

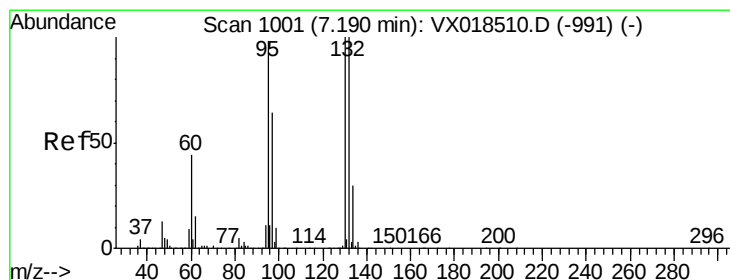
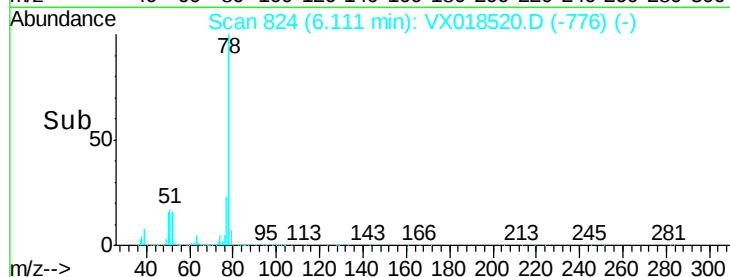
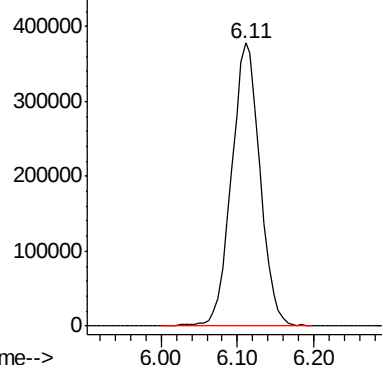
ClientSampleId :

VSTD050409

Tgt Ion: 78 Resp: 983249



Abundance Ion 78.00 (77.70 to 78.70): VX0



#34

Trichloroethene

Concen: 49.919 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Tgt Ion: 95 Resp: 277799

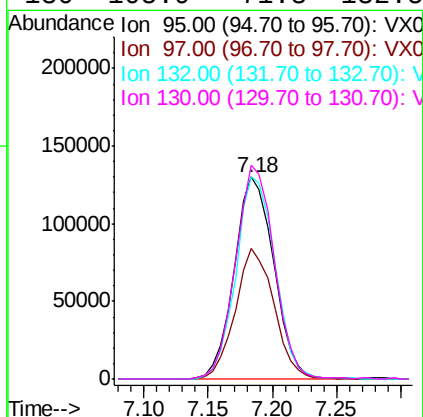
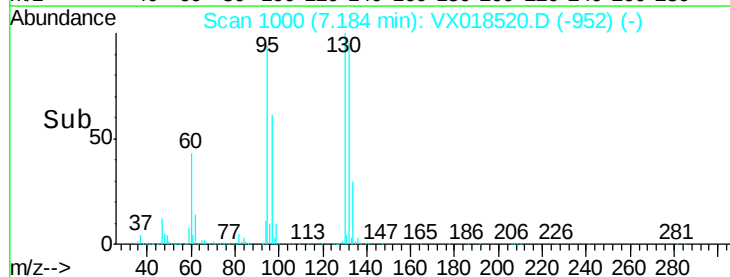
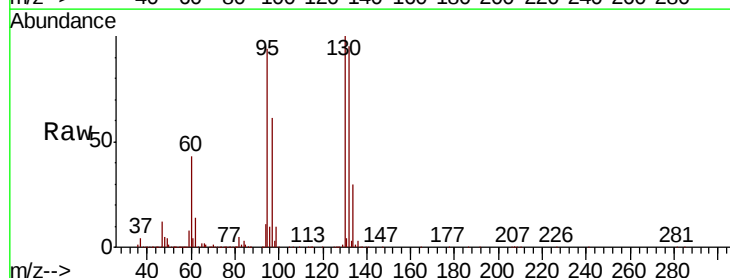
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.0	85.4
132	100.2	71.7	133.1
130	105.9	71.3	132.5

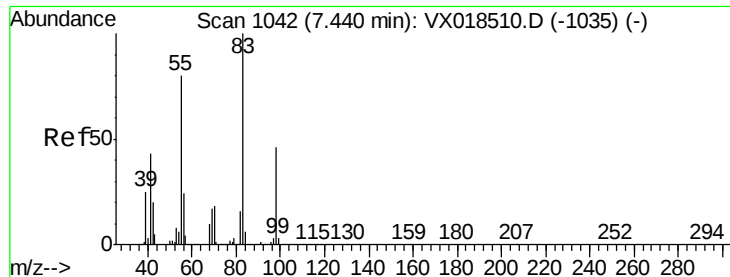
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

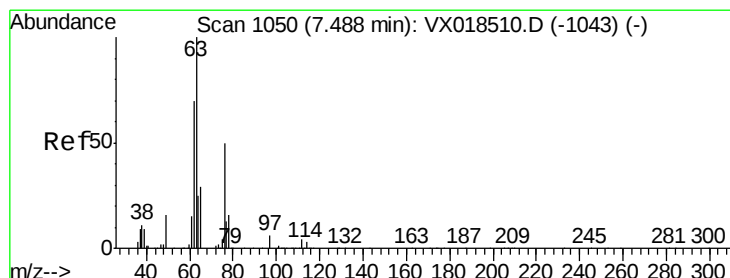
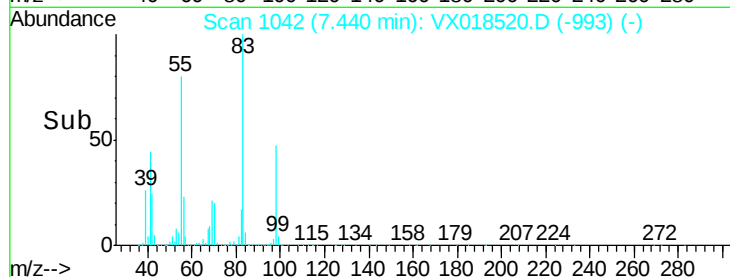
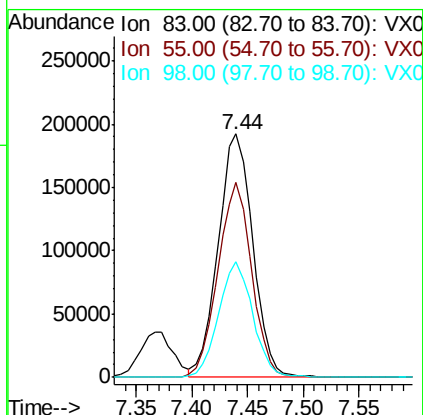
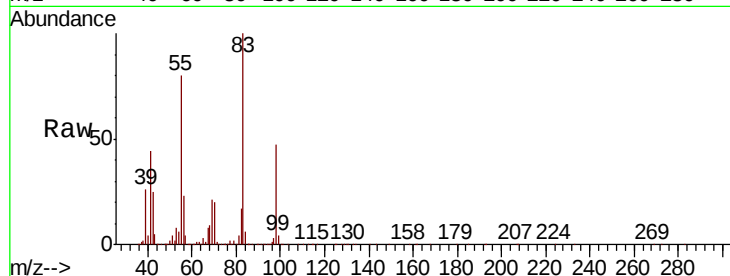




#35
Methvlcvclohexane
Concen: 51.324 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

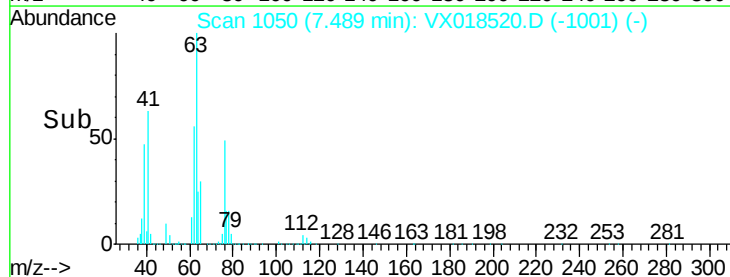
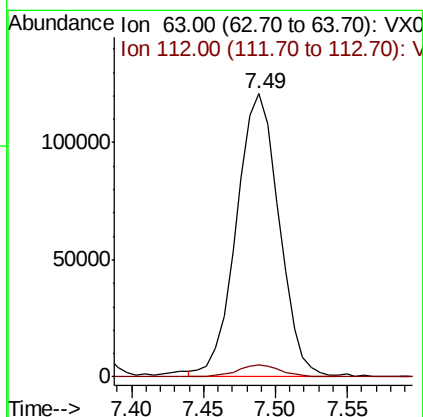
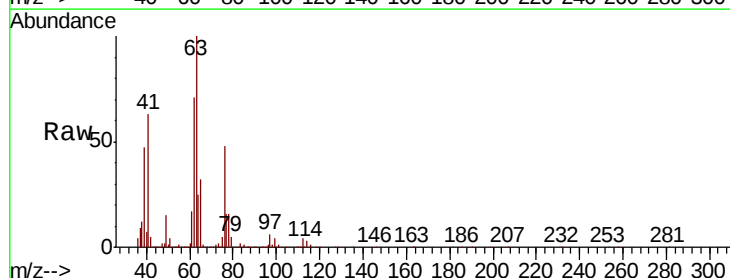
Instrument :
MSVOA_X
ClientSampleId :
VSTD050409

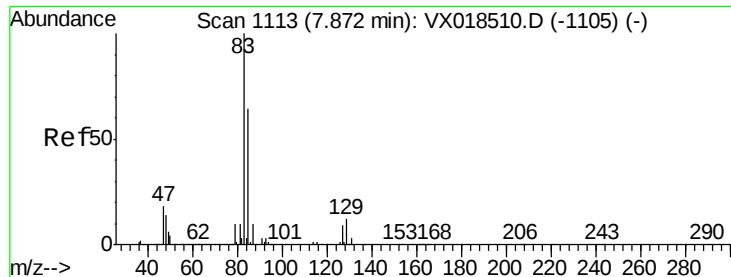
Tot Ion: 83 Resp: 415072
Ion Ratio Lower Upper
83 100
55 77.3 61.6 92.4
98 46.9 37.0 55.4



#37
1,2-Dichloropropane
Concen: 47.147 ug/L
RT: 7.49 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

Tgt Ion: 63 Resp: 248157
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3

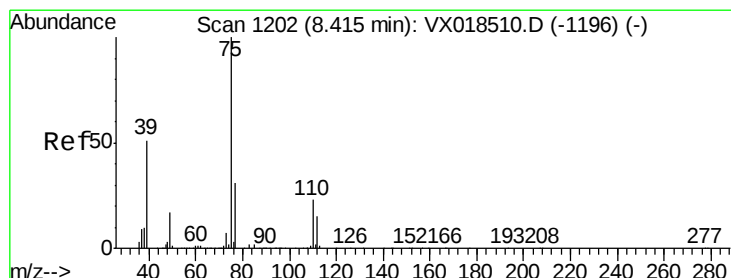
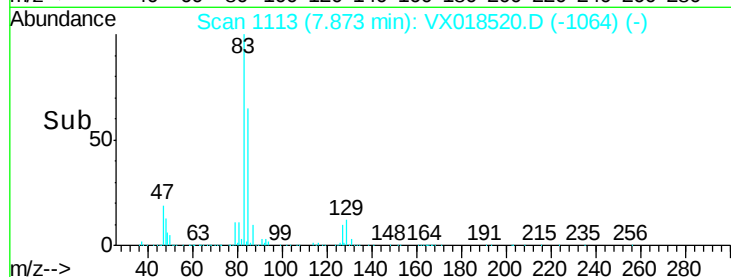
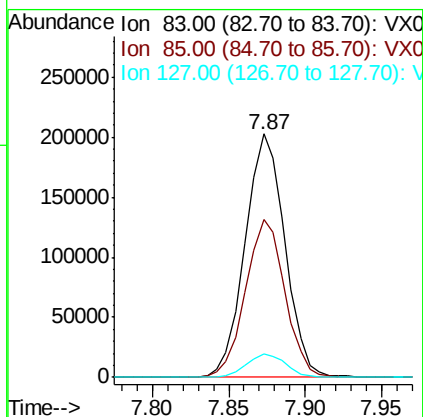
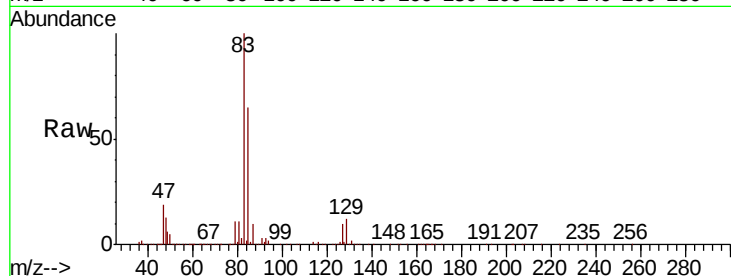




#38
Bromodichloromethane
Concen: 48.430 ug/L
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

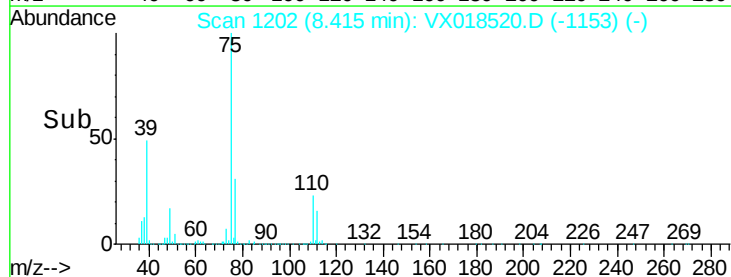
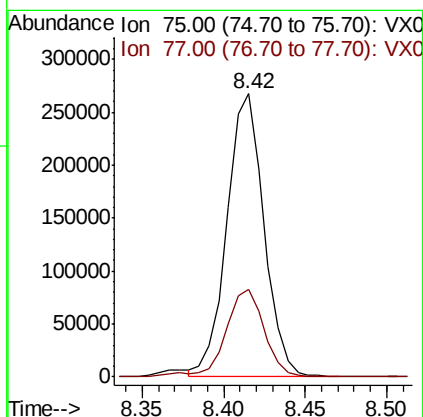
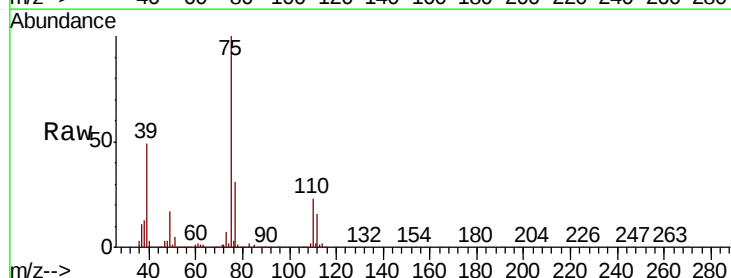
Instrument :
MSVOA_X
ClientSampleId :
VSTD050409

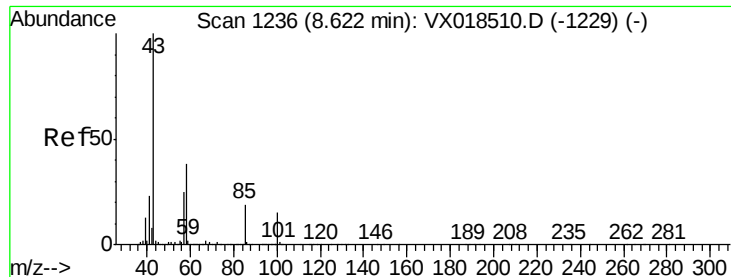
Tot Ion: 83 Resp: 366010
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6
127 9.8 6.9 10.3



#39
cis-1,3-Dichloropropene
Concen: 49.737 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

Tgt Ion: 75 Resp: 422590
Ion Ratio Lower Upper
75 100
77 30.8 22.3 41.3

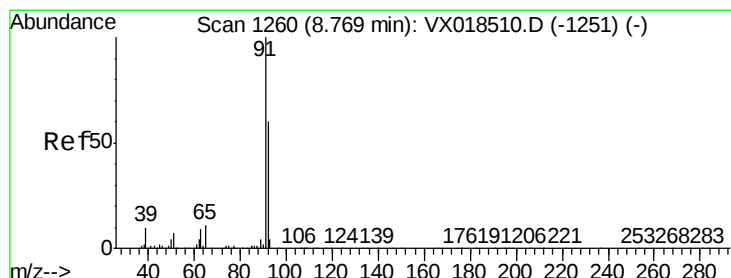
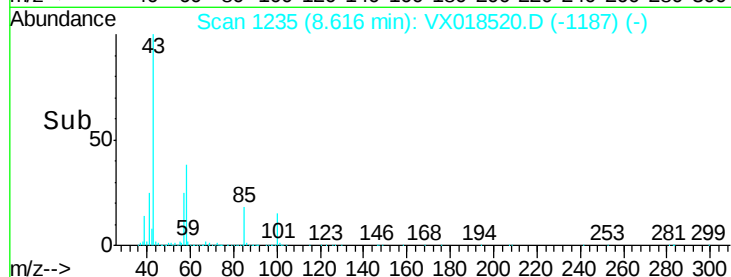
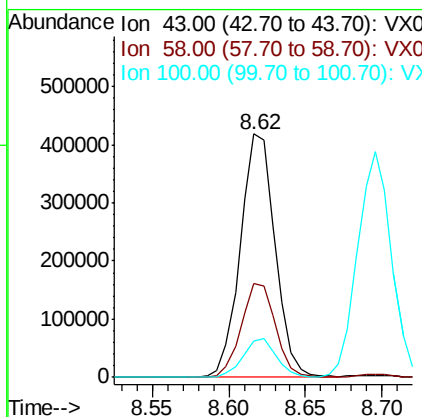
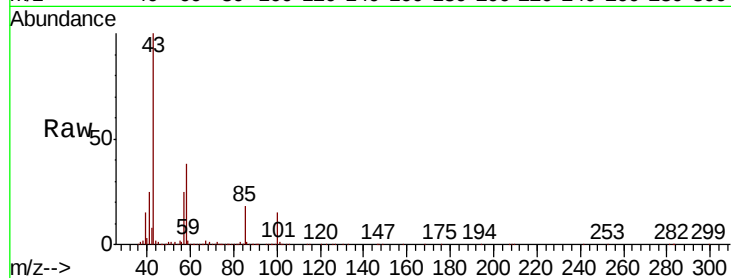




#40
4-Methyl-2-pentanone
Concen: 94.384 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

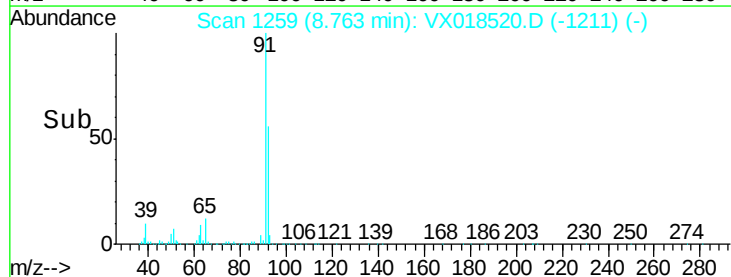
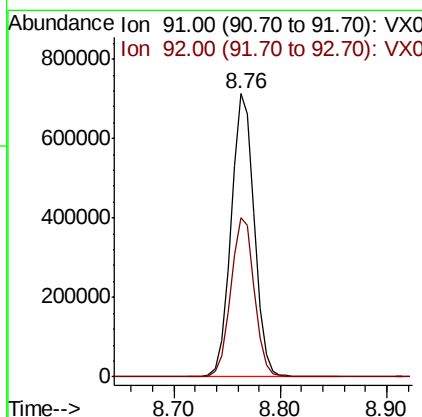
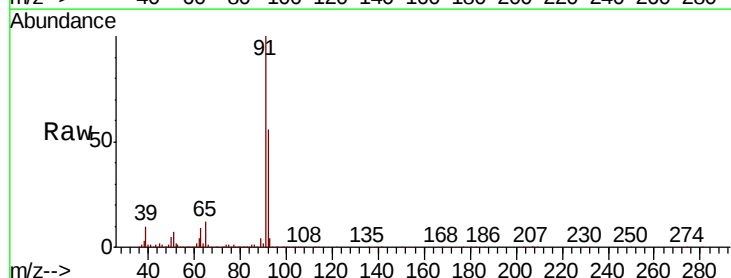
Instrument :
MSVOA_X
ClientSampled :
VSTD050409

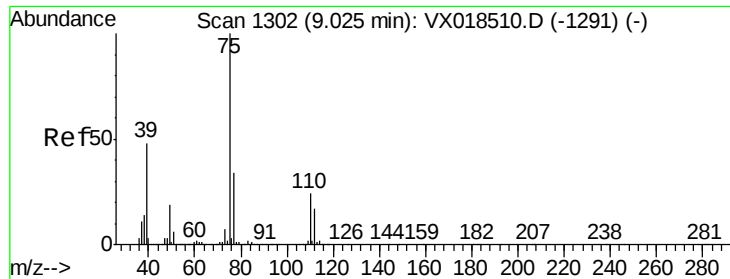
Tot Ion: 43 Resp: 658914
Ion Ratio Lower Upper
43 100
58 38.1 30.6 45.8
100 15.2 12.2 18.2



#42
Toluene
Concen: 50.631 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX018520.D
Acq: 22 Sep 2020 11:01

Tgt Ion: 91 Resp: 1084850
Ion Ratio Lower Upper
91 100
92 56.3 41.9 77.7





#44

trans-1,3-Dichloropropene

Concen: 49.516 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

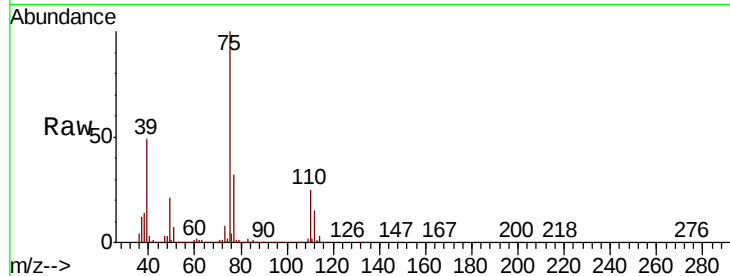
VSTD050409

Tot Ion: 75 Resp: 428136

Ion Ratio Lower Upper

75 100

77 31.6 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.02

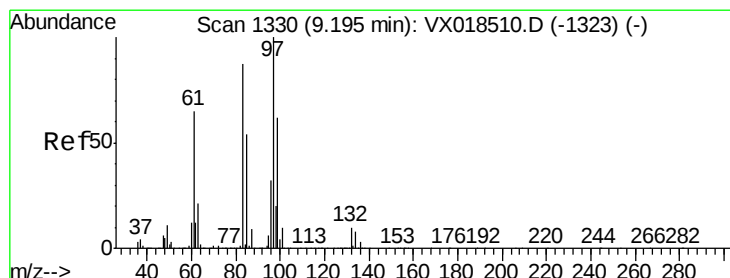
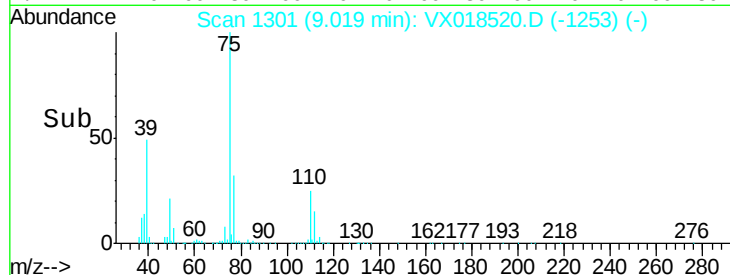
300000

200000

100000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 48.642 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Tgt Ion: 97 Resp: 248006

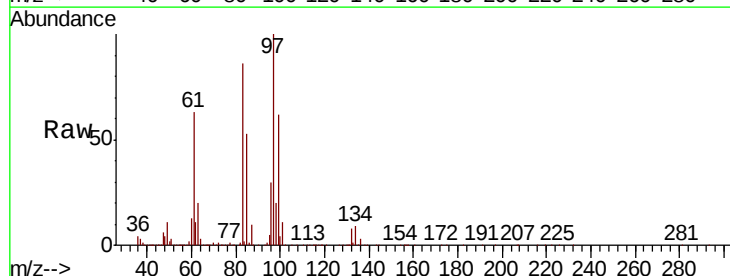
Ion Ratio Lower Upper

97 100

99 61.7 43.5 80.9

83 86.5 60.8 113.0

85 53.4 38.1 70.9



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

250000

200000

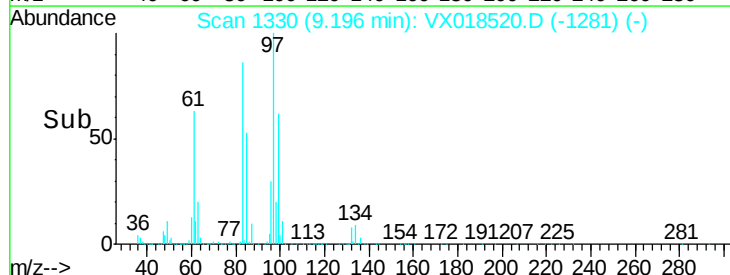
150000

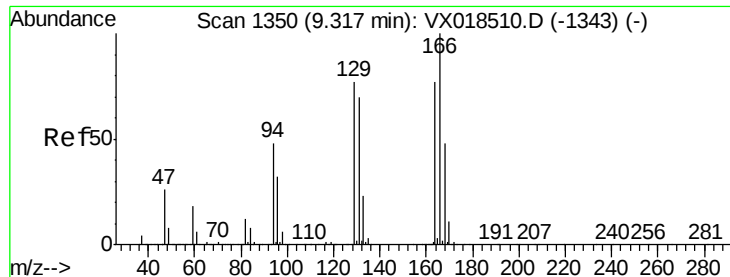
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 50.647 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD050409

Tot Ion:164 Resp: 231953

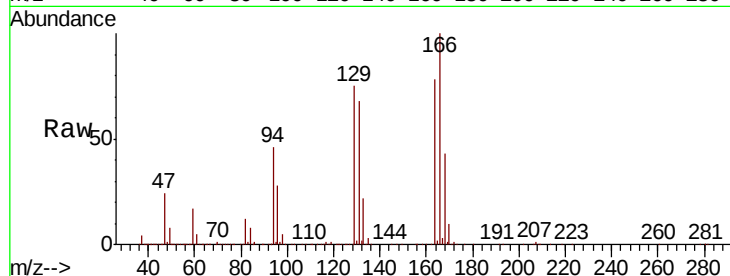
Ion Ratio Lower Upper

164 100

129 95.3 69.7 129.5

131 86.5 63.4 117.8

166 127.8 90.9 168.7

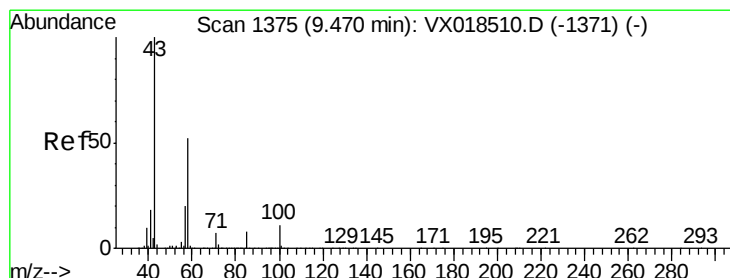
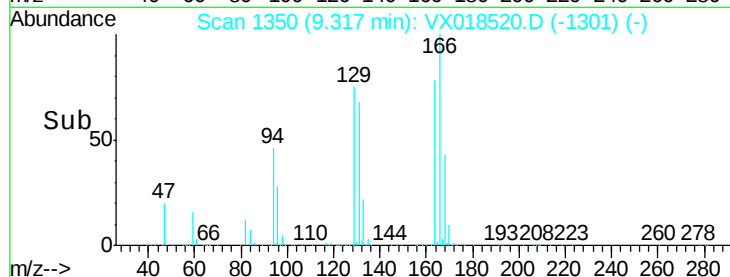
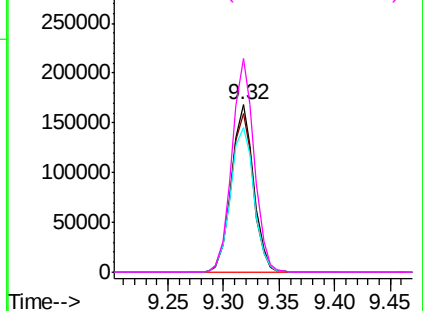


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 97.124 ug/L

RT: 9.47 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Tgt Ion: 43 Resp: 534066

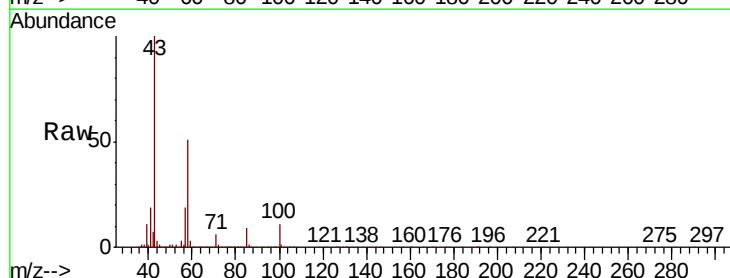
Ion Ratio Lower Upper

43 100

58 52.7 43.0 64.6

57 19.5 15.6 23.4

100 11.6 9.4 14.2

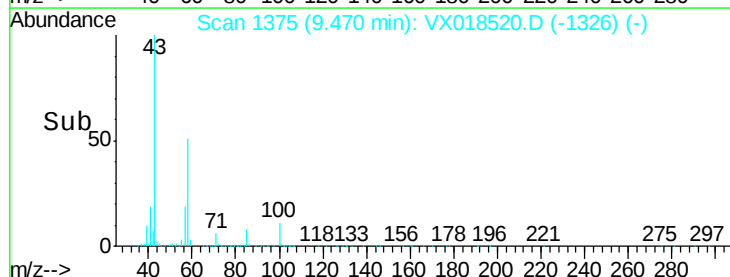
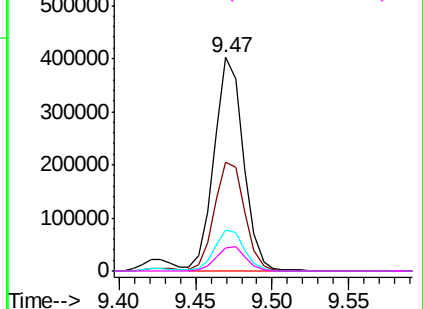


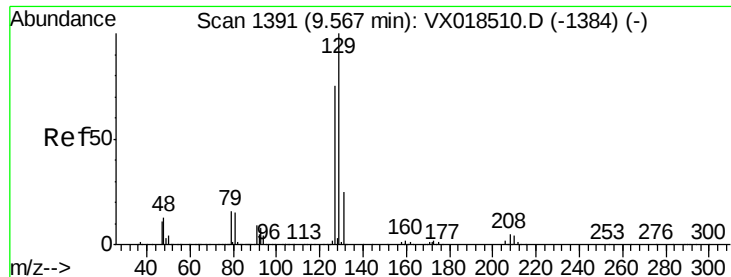
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.851 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

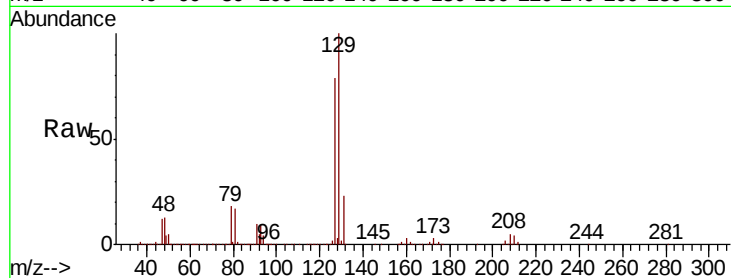
VSTD050409

Tot Ion:129 Resp: 307419

Ion Ratio Lower Upper

129 100

127 78.6 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.56

200000

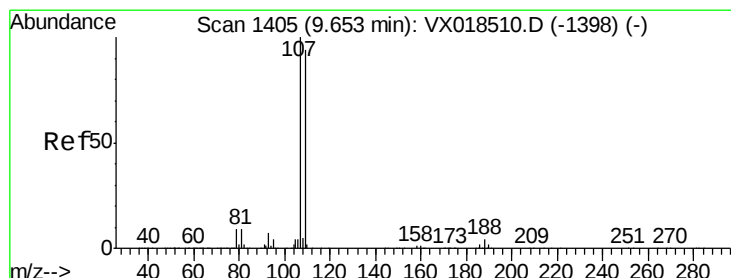
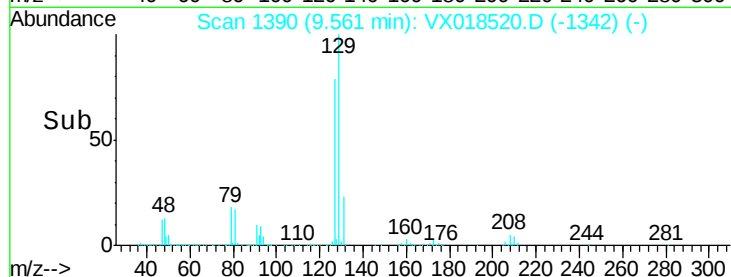
150000

100000

50000

0

Time-->



#50

1,2-Dibromoethane

Concen: 48.155 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

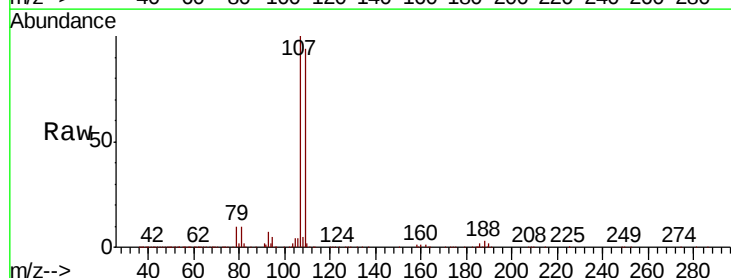
Tgt Ion:107 Resp: 270028

Ion Ratio Lower Upper

107 100

109 94.2 65.7 121.9

188 3.1 3.0 4.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

9.65

250000

200000

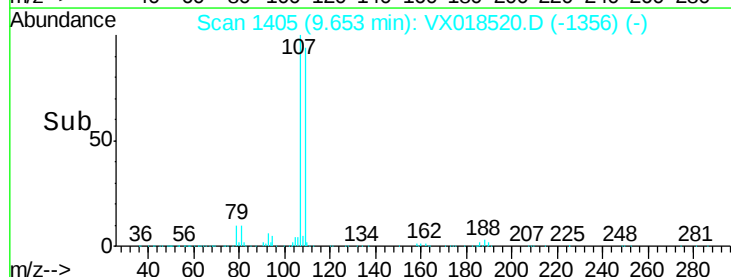
150000

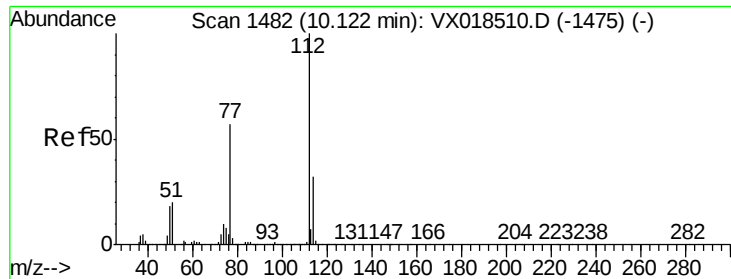
100000

50000

0

Time-->





#51

Chlorobenzene

Concen: 48.734 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD050409

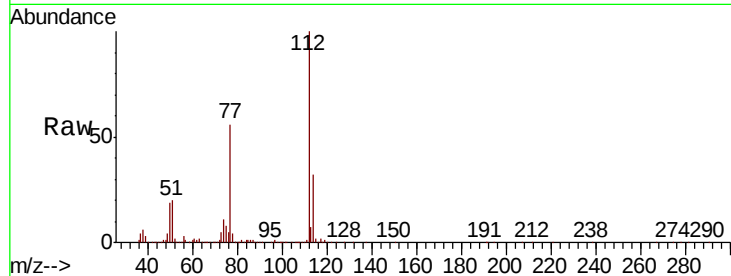
Tot Ion:112 Resp: 701328

Ion Ratio Lower Upper

112 100

114 32.4 22.2 41.2

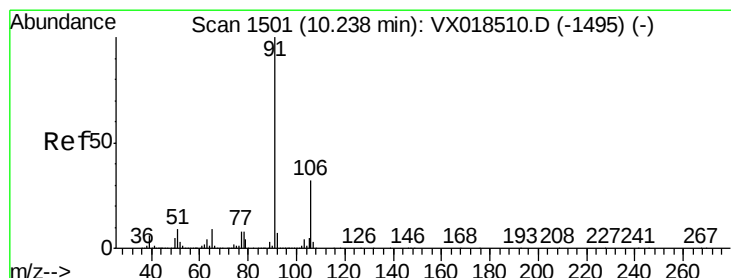
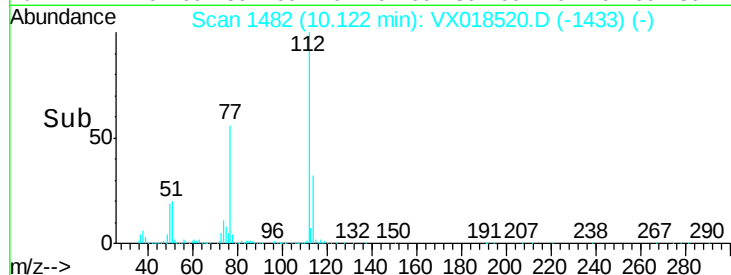
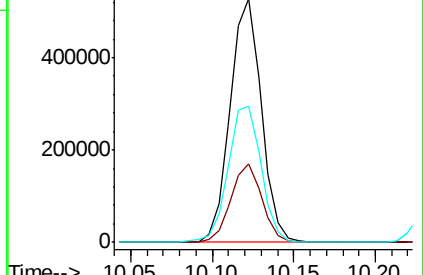
77 55.8 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 50.233 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018520.D

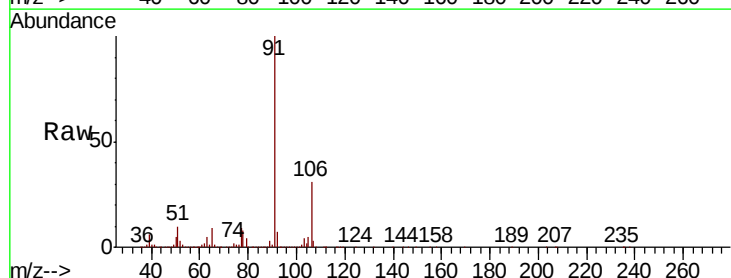
Acq: 22 Sep 2020 11:01

Tgt Ion: 91 Resp: 1198946

Ion Ratio Lower Upper

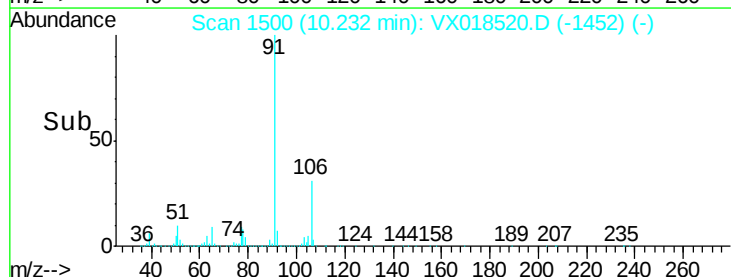
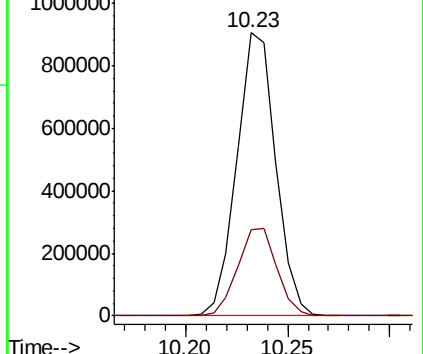
91 100

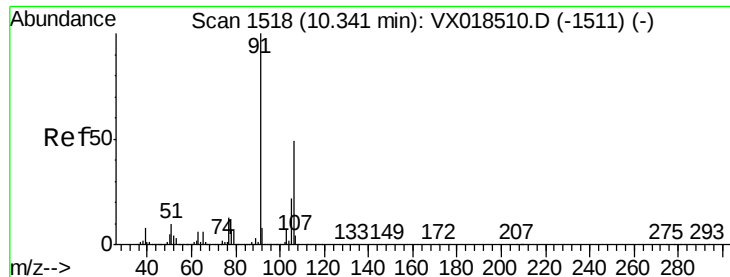
106 30.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 50.562 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

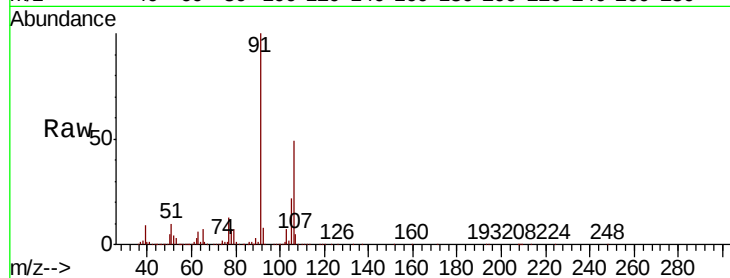
VSTD050409

Tot Ion:106 Resp: 459656

Ion Ratio Lower Upper

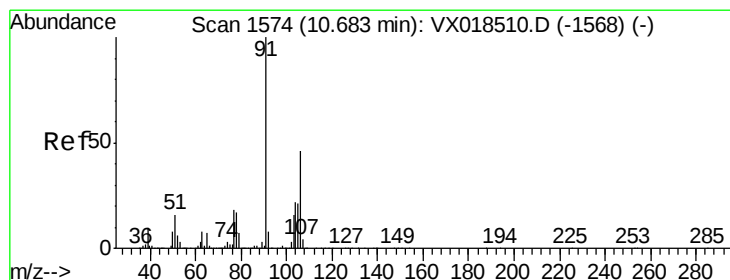
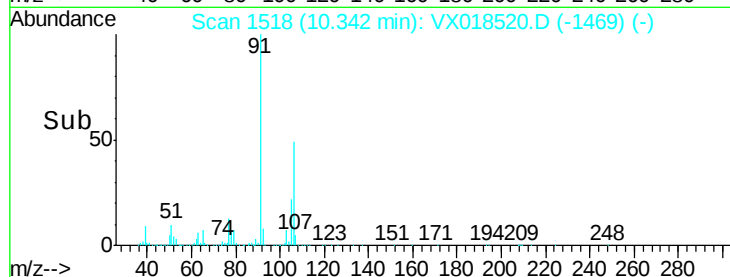
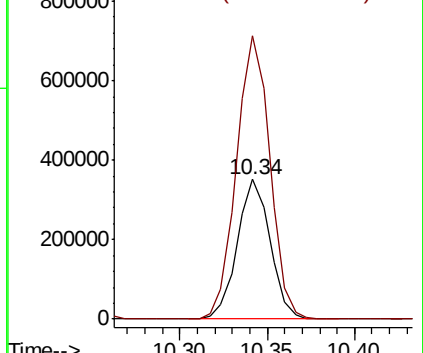
106 100

91 202.5 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#54

o-Xylene

Concen: 50.561 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018520.D

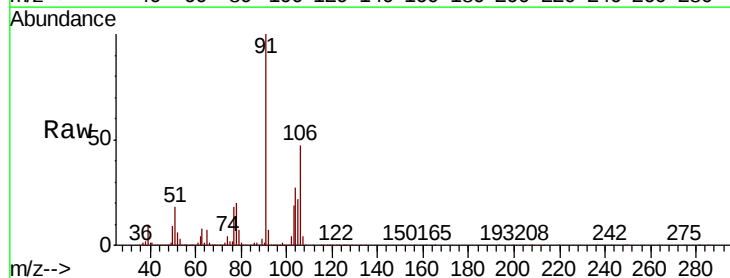
Acq: 22 Sep 2020 11:01

Tgt Ion:106 Resp: 442700

Ion Ratio Lower Upper

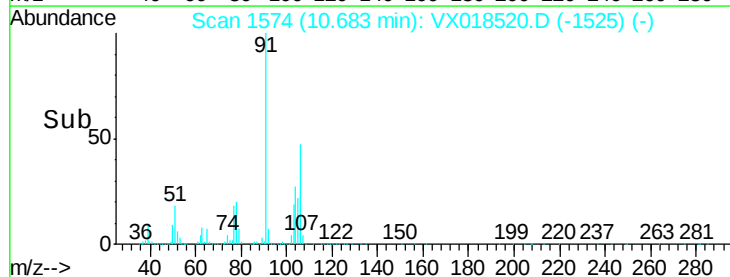
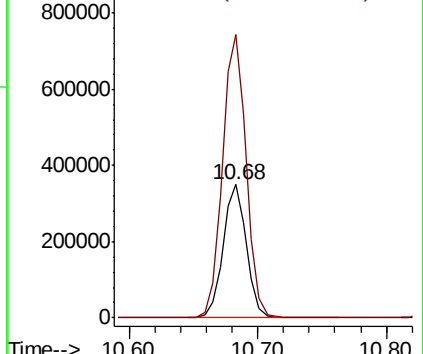
106 100

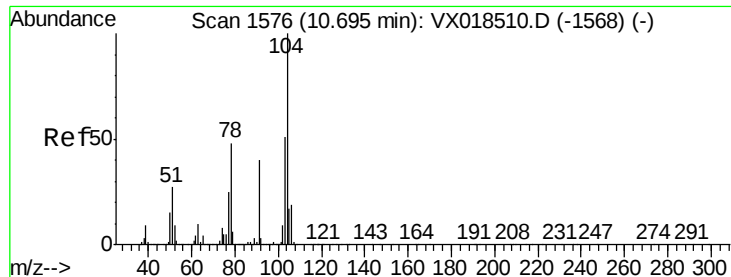
91 212.8 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#55

Stvrene

Concen: 50.790 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

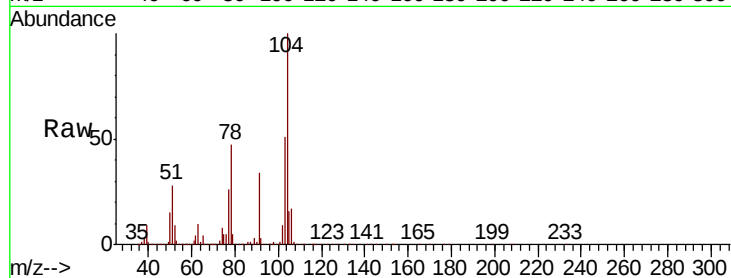
VSTD050409

Tot Ion:104 Resp: 765632

Ion Ratio Lower Upper

104 100

78 46.8 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

10.70

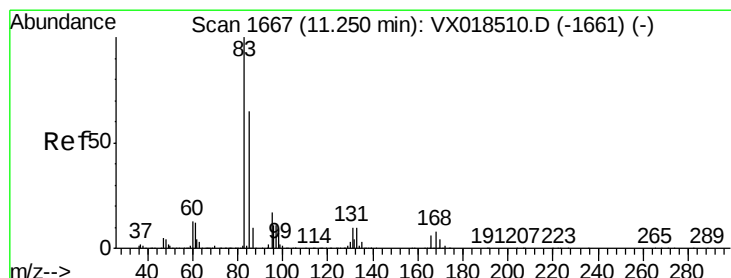
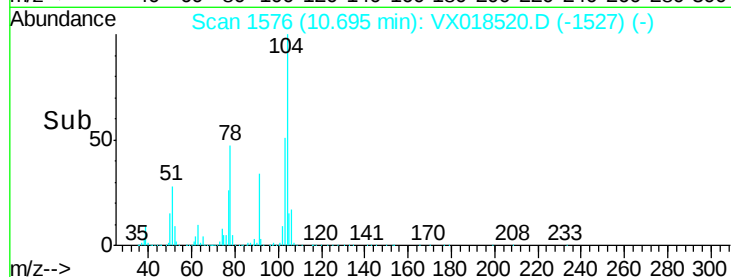
600000

400000

200000

0

Time--> 10.60 10.70



#57

1,1,2,2-Tetrachloroethane

Concen: 46.883 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

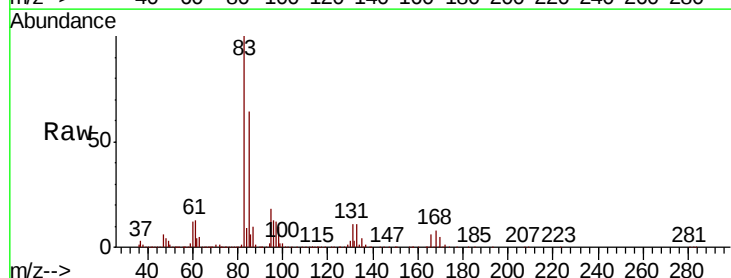
Tgt Ion: 83 Resp: 365784

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8

131 11.3 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

11.25

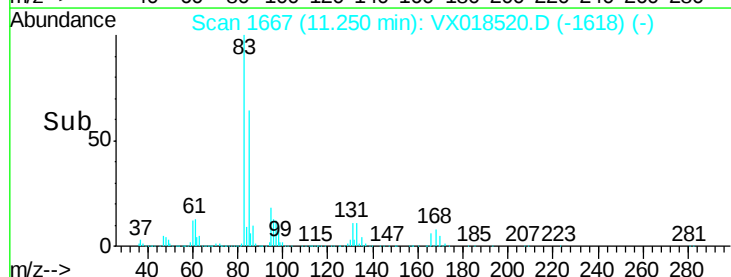
300000

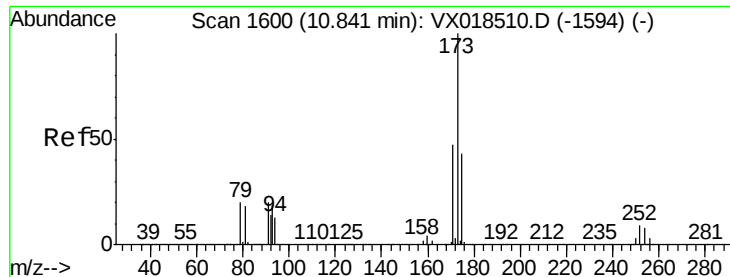
200000

100000

0

Time--> 11.20 11.30





#59

Bromoform

Concen: 46.340 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD050409

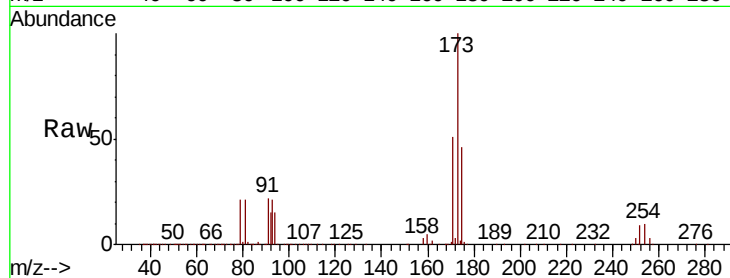
Tot Ion:173 Resp: 226255

Ion Ratio Lower Upper

173 100

175 47.0 37.7 56.5

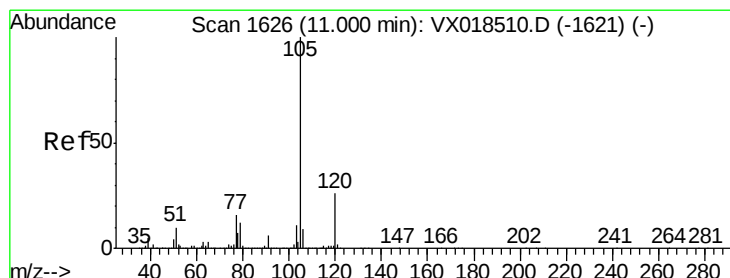
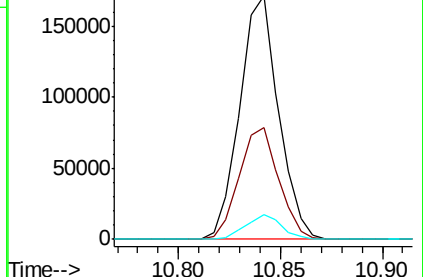
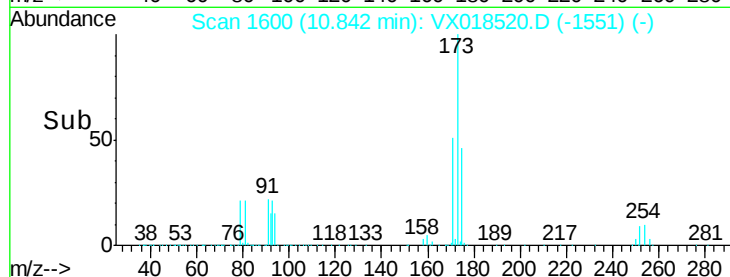
254 9.6 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 50.638 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

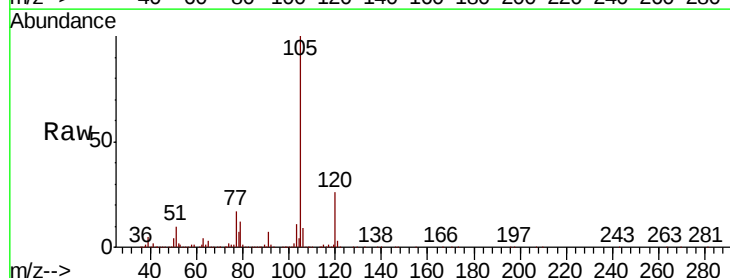
Tgt Ion:105 Resp: 1199632

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.8

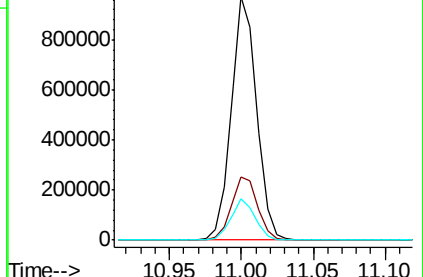
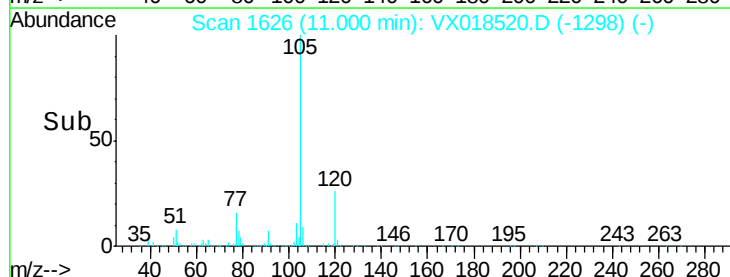
77 16.3 12.7 19.1

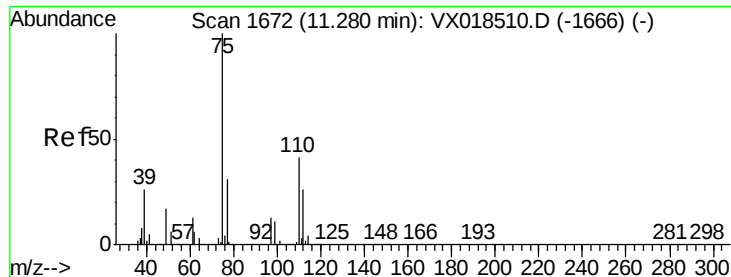


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

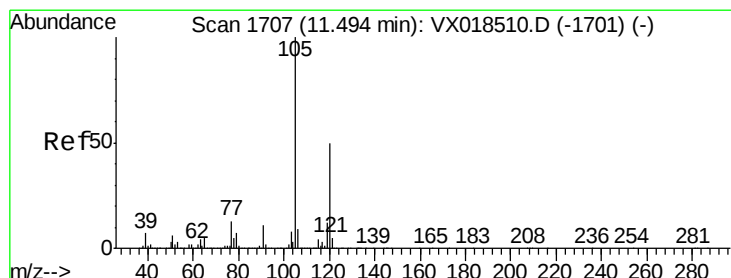
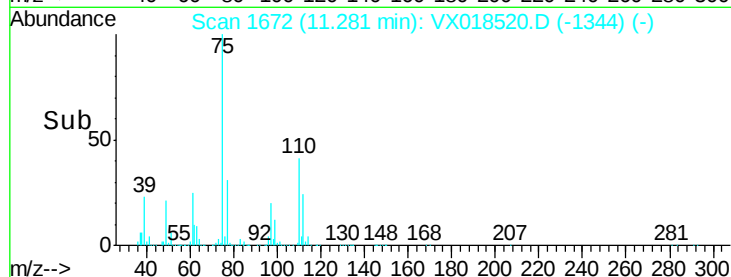
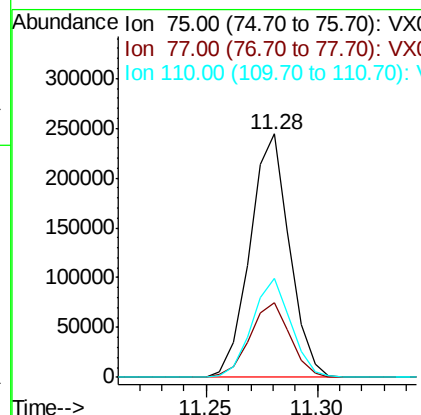
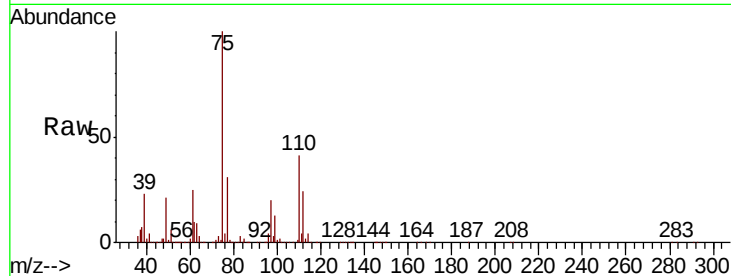




#61
 1,2,3-Trichloropropane
 Concen: 45.124 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

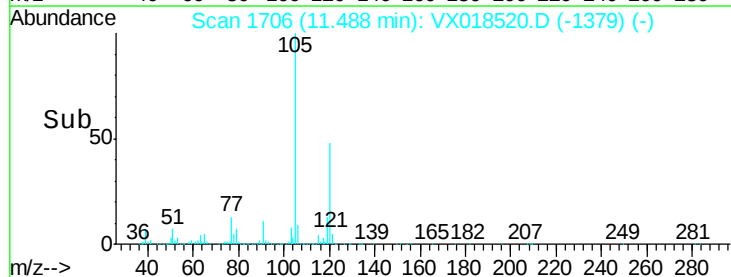
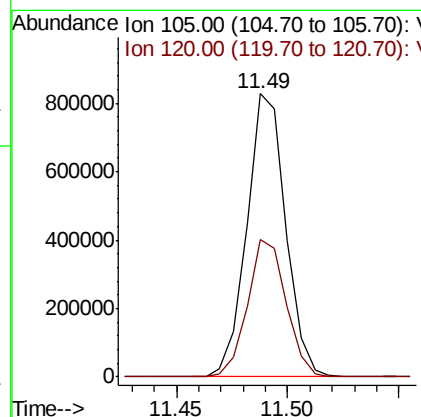
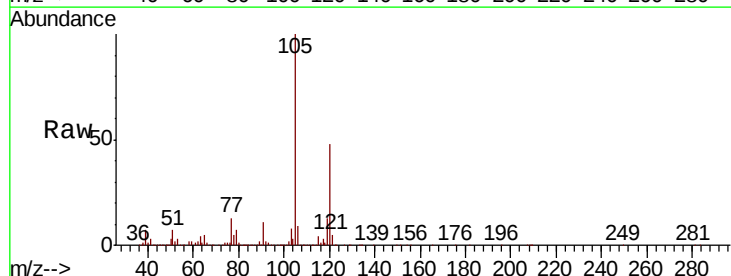
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050409

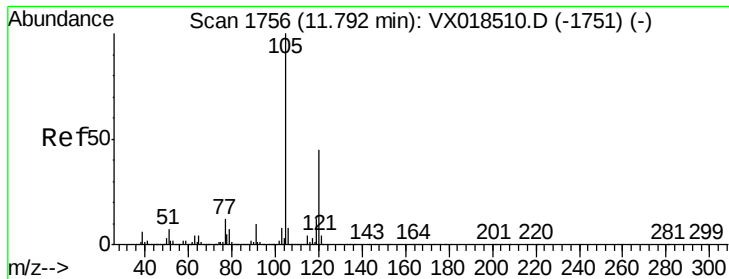
Tot Ion: 75 Resp: 301431
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.0 39.0
 110 40.1 32.4 48.6



#62
 1,3,5-Trimethylbenzene
 Concen: 51.556 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

Tgt Ion: 105 Resp: 1008332
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.6 58.0

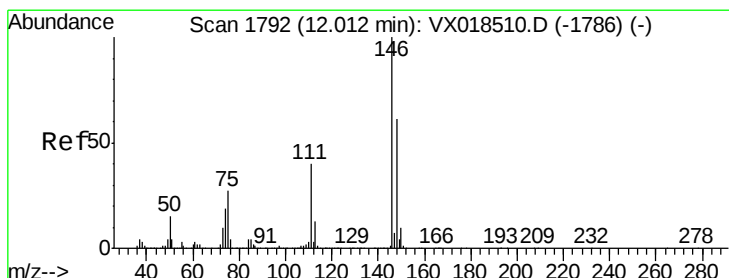
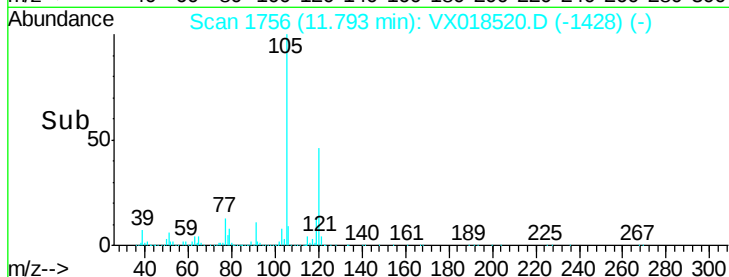
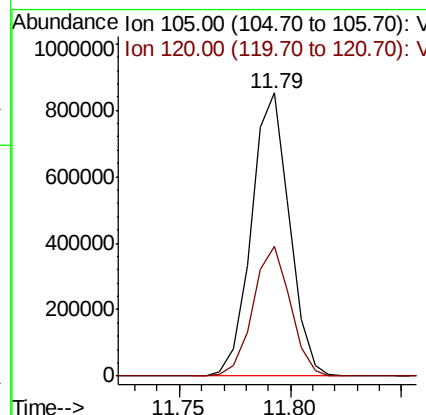
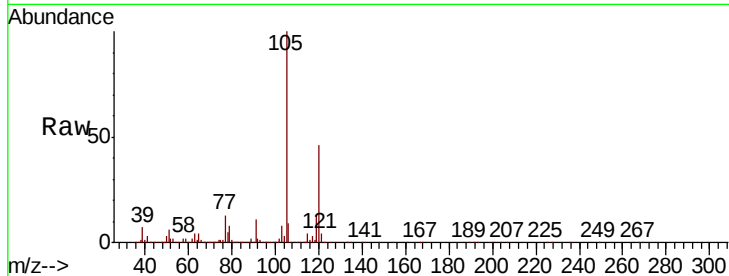




#63
 1,2,4-Trimethylbenzene
 Concen: 50.797 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

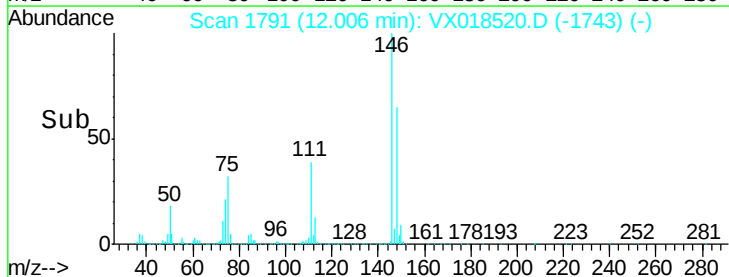
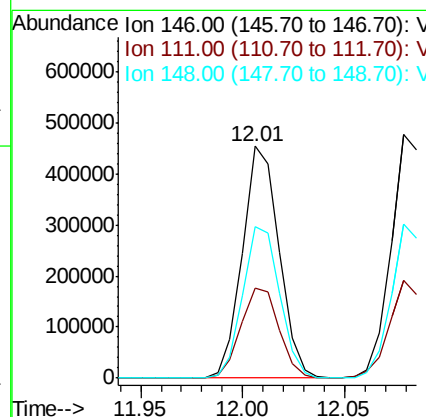
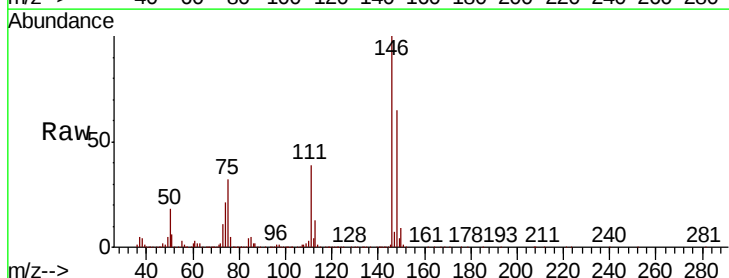
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050409

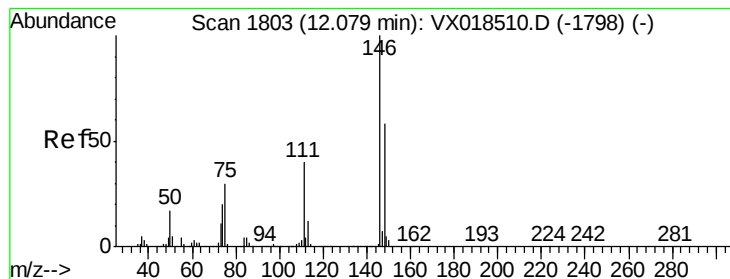
Tot Ion:105 Resp: 1011950
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.8 53.8



#64
 1,3-Dichlorobenzene
 Concen: 48.419 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

Tgt Ion:146 Resp: 566564
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.8 51.6
 148 65.4 42.6 79.2





#65

1,4-Dichlorobenzene

Concen: 49.388 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampled :

VSTD050409

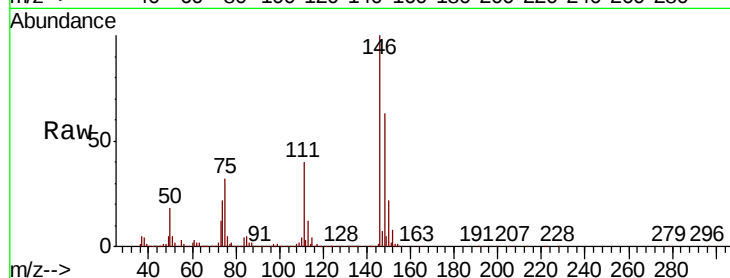
Tot Ion:146 Resp: 583645

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.7

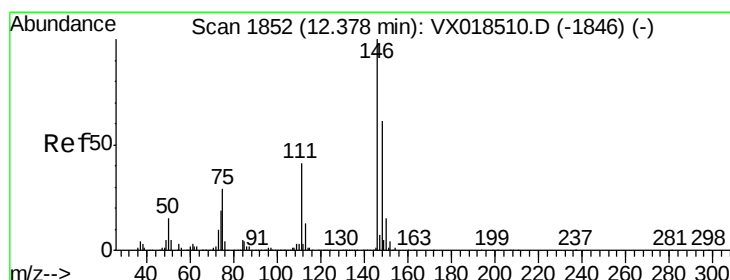
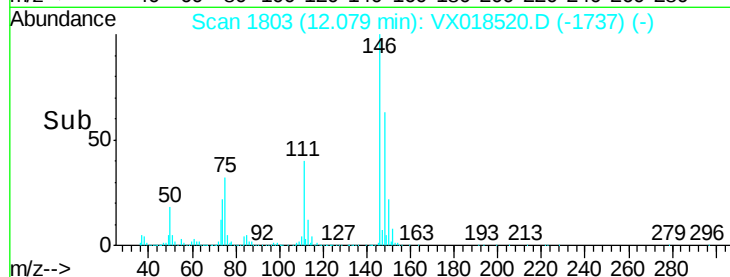
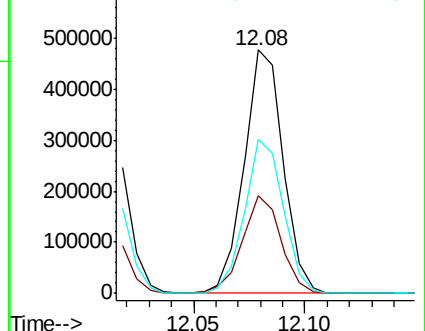
148 63.3 40.5 75.3



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



#67

1,2-Dichlorobenzene

Concen: 49.384 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

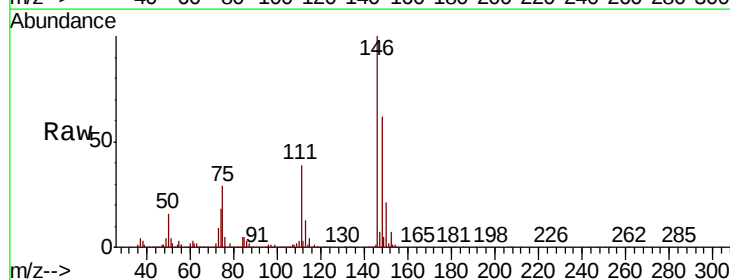
Tgt Ion:146 Resp: 556390

Ion Ratio Lower Upper

146 100

111 38.8 33.1 49.7

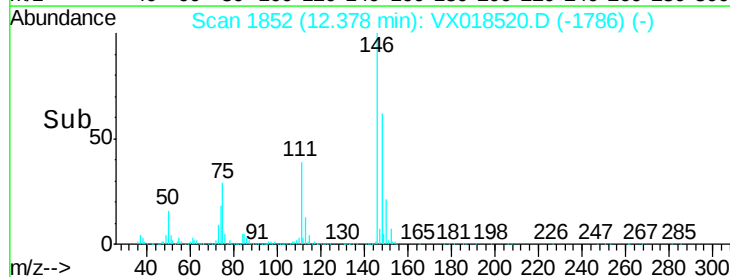
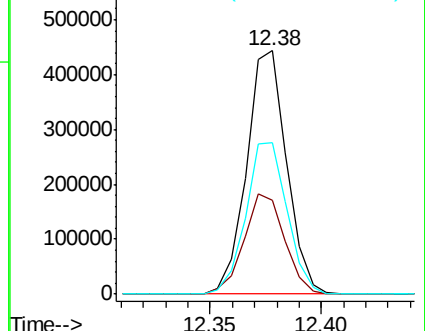
148 62.4 48.4 72.6

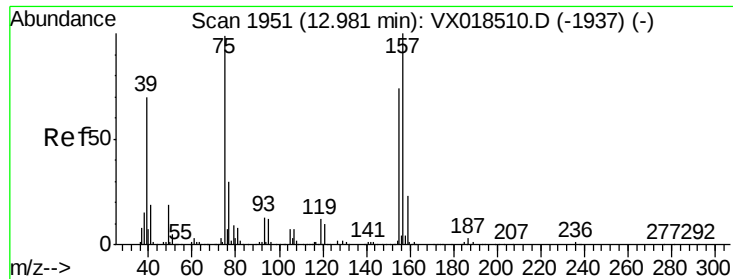


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 45.754 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD050409

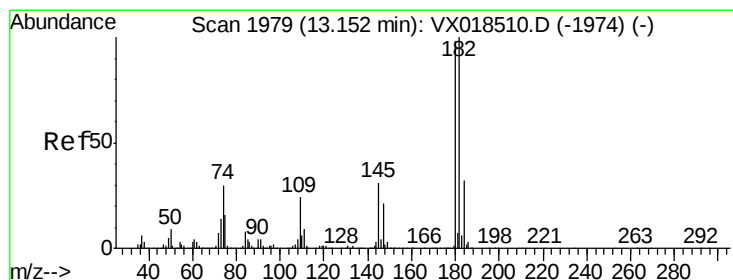
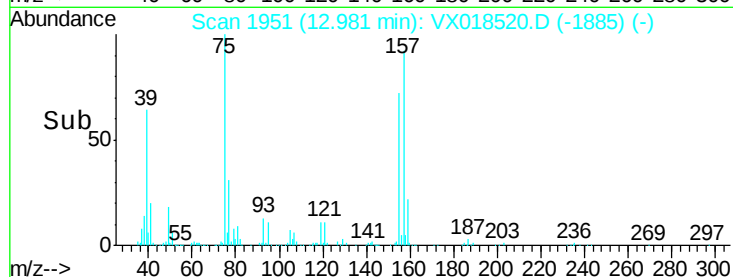
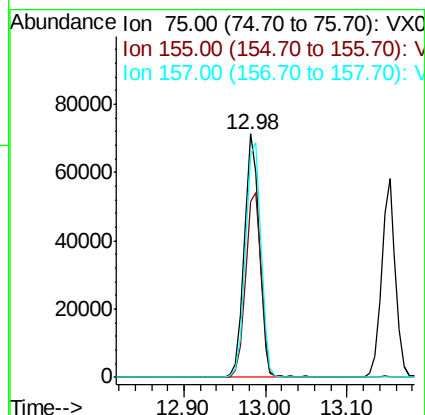
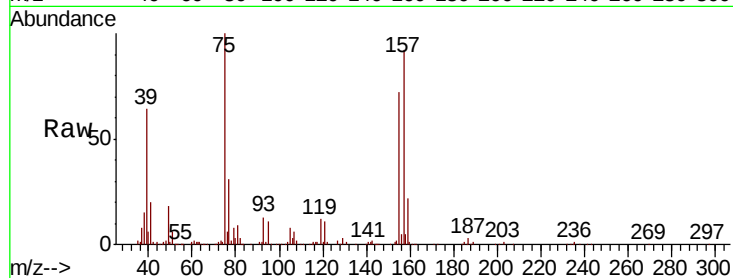
Tot Ion: 75 Resp: 89651

Ion Ratio Lower Upper

75 100

155 72.0 59.4 89.0

157 91.8 80.7 121.1



#69

1,3,5-Trichlorobenzene

Concen: 52.348 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX018520.D

Acq: 22 Sep 2020 11:01

Tgt Ion: 180 Resp: 406315

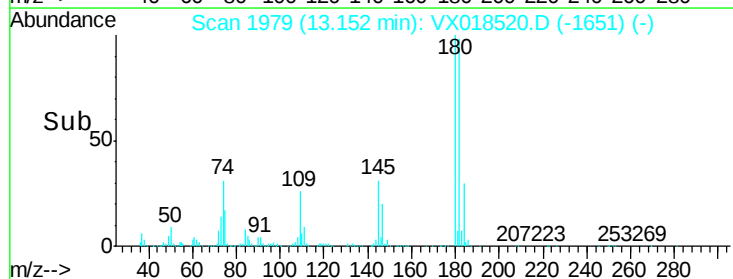
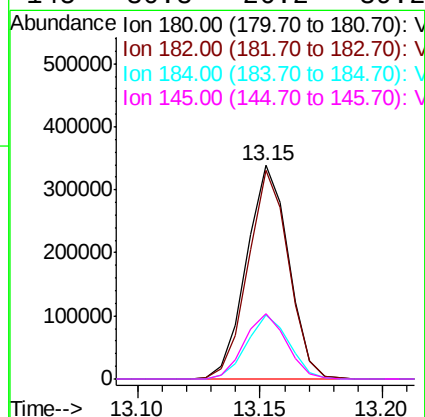
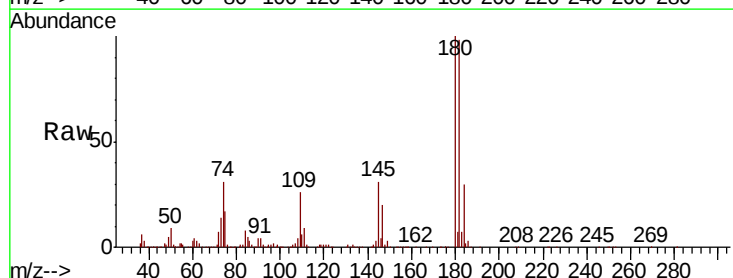
Ion Ratio Lower Upper

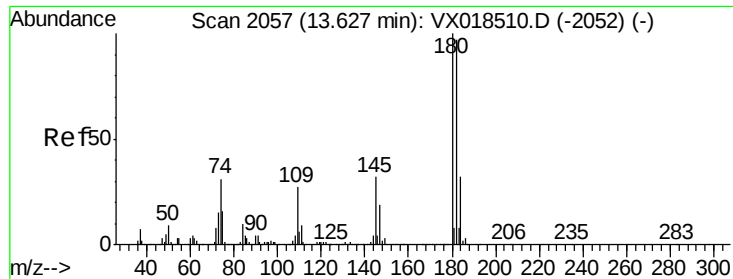
180 100

182 94.8 82.5 123.7

184 30.1 25.4 38.2

145 30.8 26.2 39.2

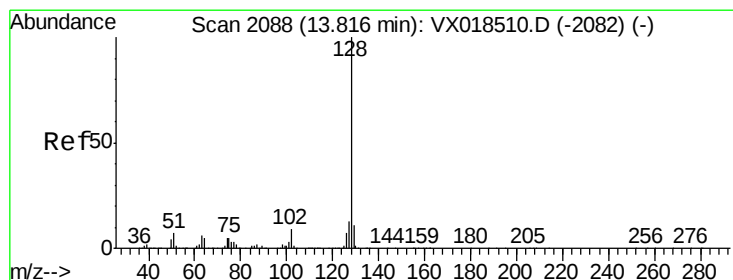
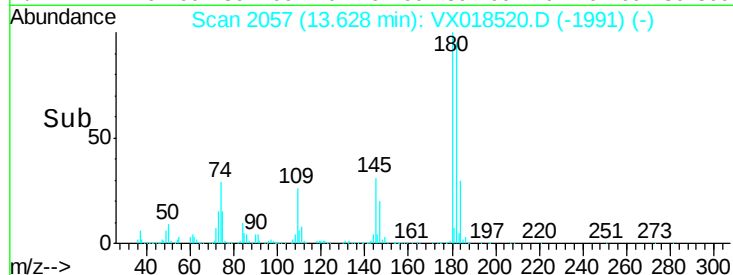
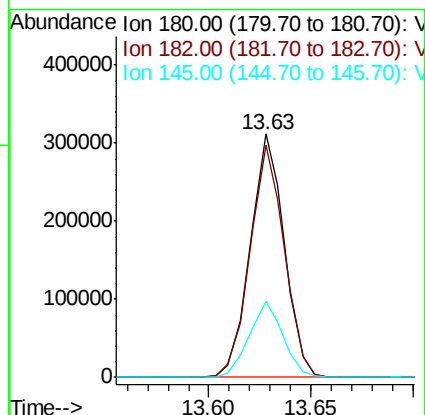
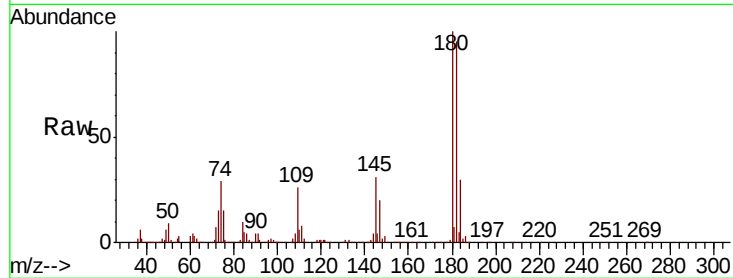




#70
 1,2,4-trichlorobenzene
 Concen: 50.678 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

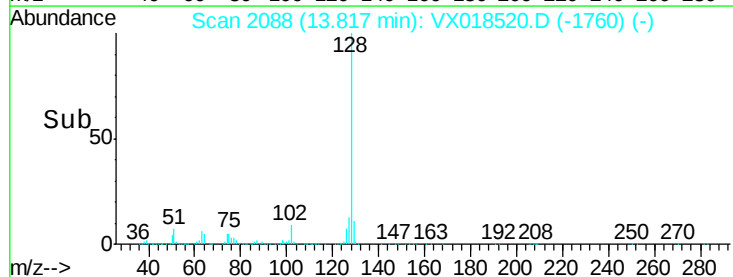
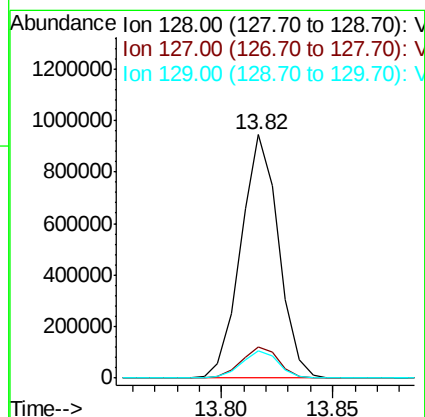
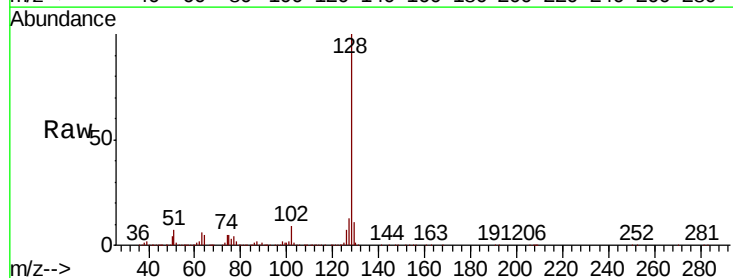
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050409

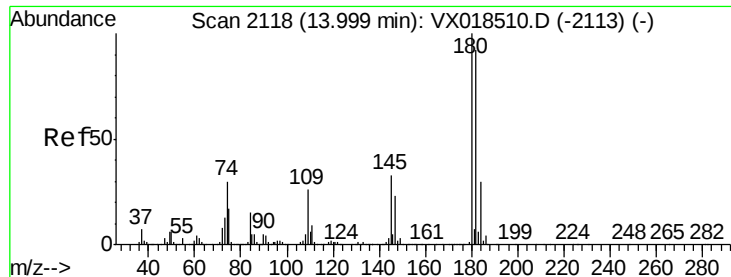
Tot Ion:180 Resp: 361049
 Ion Ratio Lower Upper
 180 100
 182 96.5 78.6 118.0
 145 31.0 27.0 40.4



#71
 Naphthalene
 Concen: 50.143 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

Tgt Ion:128 Resp: 1115026
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.6 15.8
 129 11.3 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 51.333 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX018520.D
 Acq: 22 Sep 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050409

Tot Ion:	180	Resp:	366559
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	31.5	27.1	40.7

