

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092120\
 Data File : VX018512.D
 Acq On : 21 Sep 2020 13:32
 Operator : JC/SP
 Sample : VSTD200405
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200405

Quant Time: Sep 22 01:07:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 00:58:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	673382	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	644417	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	353988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	904738	196.59	ug/L	0.00
7) Chloroethane-d5	1.68	69	663143	193.03	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.34	63	1829524	192.90	ug/L	0.00
21) 2-Butanone-d5	4.53	46	1241257	392.78	ug/L	0.00
24) Chloroform-d	5.14	84	1778449	196.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	1234632	186.41	ug/L	0.00
32) Benzene-d6	6.06	84	3354593	189.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	1055982	193.64	ug/L	0.00
41) Toluene-d8	8.70	98	3279699	193.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	628828	198.11	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	973245	404.61	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	1421631	195.19	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	1322955	188.13	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	1133424	195.775	ug/L	100
3) Chloromethane	1.31	50	889501	203.814	ug/L	99
5) Vinyl chloride	1.39	62	977763	197.866	ug/L	99
6) Bromomethane	1.62	94	553533	214.437	ug/L	94
8) Chloroethane	1.70	64	559613	189.829	ug/L	100
9) Trichlorofluoromethane	1.91	101	1623861	193.787	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	877932	191.908	ug/L	99
12) 1,1-Dichloroethene	2.36	96	834570	193.474	ug/L	85
13) Acetone	2.42	43	827431	382.540	ug/L	99
14) Carbon disulfide	2.55	76	2561998	193.649	ug/L	100
15) Methyl Acetate	2.75	43	933207	197.871	ug/L #	90
16) Methylene chloride	2.83	84	894391	192.110	ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	880307	196.199	ug/L	97
18) Methyl tert-butyl Ether	3.17	73	2967041	199.441	ug/L	100
19) 1,1-Dichloroethane	3.67	63	1649573	195.680	ug/L	99
20) cis-1,2-Dichloroethene	4.56	96	985566	202.843	ug/L #	99
22) 2-Butanone	4.64	43	1339359	393.150	ug/L	99
23) Bromochloromethane	4.98	128	528610	192.142	ug/L	97
25) Chloroform	5.18	83	1753405	184.916	ug/L	100
27) 1,2-Dichloroethane	6.17	62	1462515	191.471	ug/L	99
29) Cyclohexane	5.55	56	1481372	203.393	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	1702524	194.478	ug/L	99
31) Carbon tetrachloride	5.76	117	1575108	196.598	ug/L	99
33) Benzene	6.12	78	3585731	192.676	ug/L	100
34) Trichloroethene	7.19	95	1005752	198.023	ug/L	98
35) Methylcyclohexane	7.45	83	1525019	199.846	ug/L	99
37) 1,2-Dichloropropane	7.49	63	959757	199.226	ug/L	99
38) Bromodichloromethane	7.88	83	1367010	195.153	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	1615917	202.117	ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	2684179	400.231	ug/L	99

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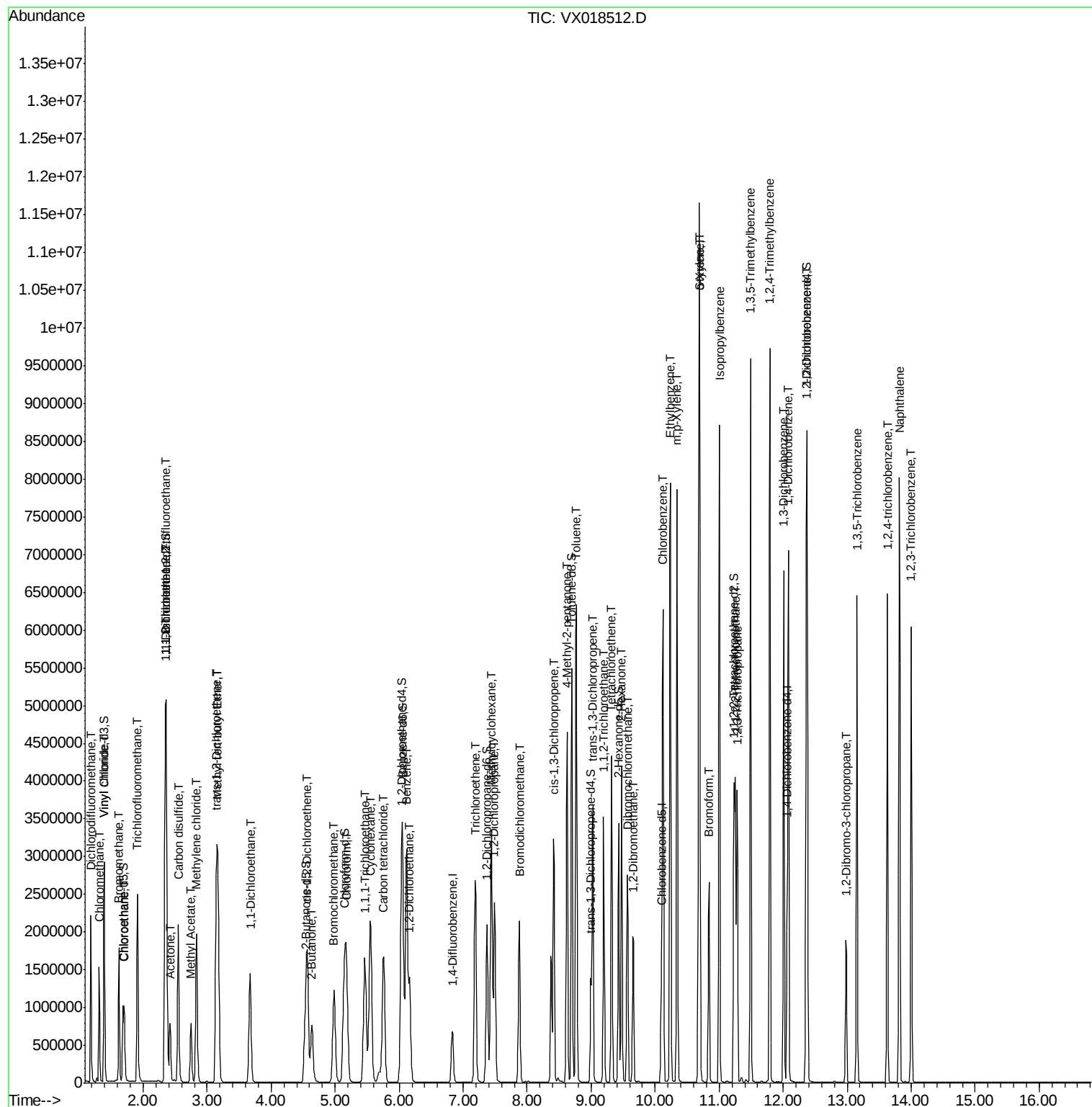
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.77	91	3958929	193.828	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	1667979	206.880	ug/L	95
45) 1,1,2-Trichloroethane	9.20	97	916323	190.090	ug/L	99
46) Tetrachloroethene	9.32	164	807441	190.987	ug/L	97
48) 2-Hexanone	9.48	43	2128841	408.279	ug/L	99
49) Dibromochloromethane	9.57	129	1201478	200.190	ug/L	96
50) 1,2-Dibromoethane	9.65	107	1048469	200.980	ug/L	96
51) Chlorobenzene	10.12	112	2606999	192.880	ug/L	96
52) Ethylbenzene	10.24	91	4516880	199.870	ug/L	99
53) m,p-Xylene	10.34	106	1730724	196.371	ug/L	98
54) o-Xylene	10.68	106	1691504	198.194	ug/L	99
55) Styrene	10.70	104	2939550	201.720	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	1430988	195.951	ug/L	100
59) Bromoform	10.84	173	937068	196.545	ug/L	97
60) Isopropylbenzene	11.01	105	4568572	194.412	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	1214488	193.744	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	3951162	202.770	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	4031417	201.454	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	2225081	198.291	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	2179471	191.530	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	2095924	192.791	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	378484	202.101	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	1480062	204.492	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	1432279	216.777	ug/L	98
71) Naphthalene	13.82	128	4670171	208.171	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	1392118	197.761	ug/L	99

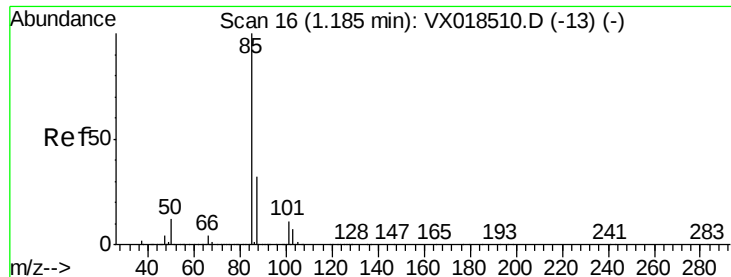
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#2

Dichlorodifluoromethane

Concen: 195.775 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

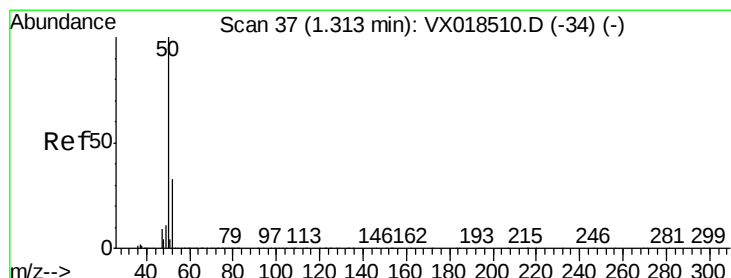
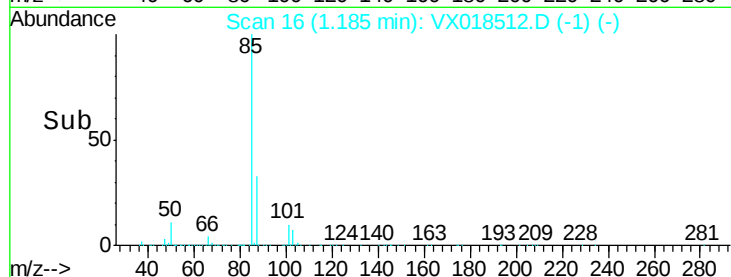
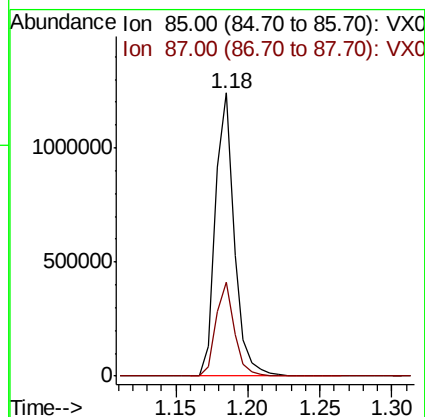
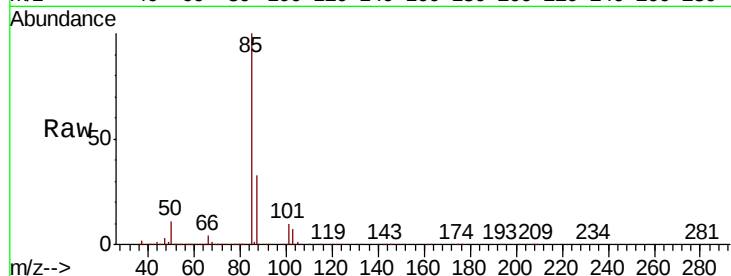
VSTD200405

Tot Ion: 85 Resp: 1133424

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.4



#3

Chloromethane

Concen: 203.814 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018512.D

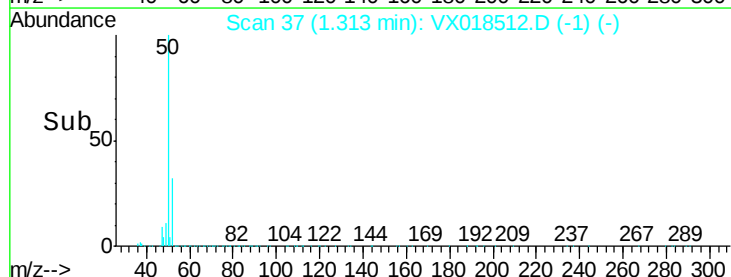
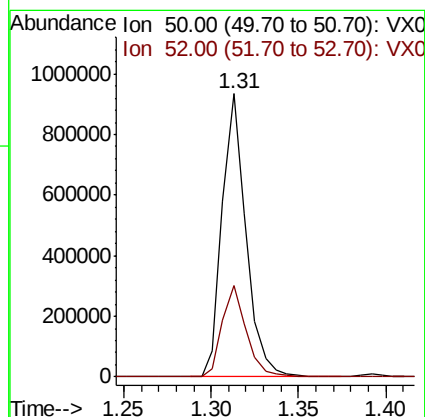
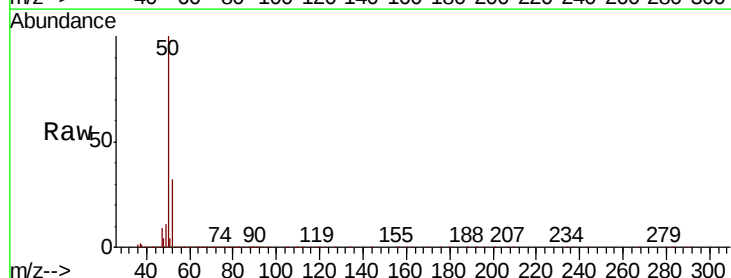
Acq: 21 Sep 2020 13:32

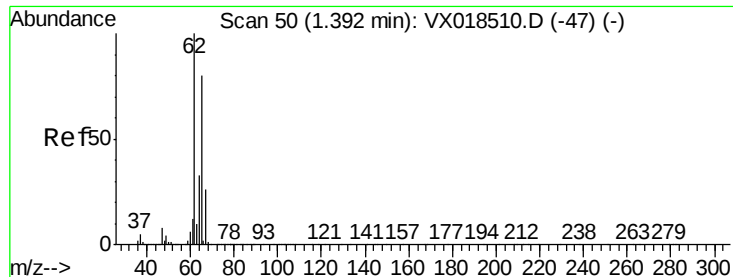
Tgt Ion: 50 Resp: 889501

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6





#5

Vinyl chloride

Concen: 197.866 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

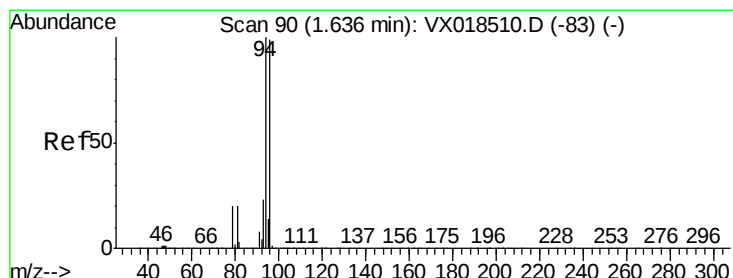
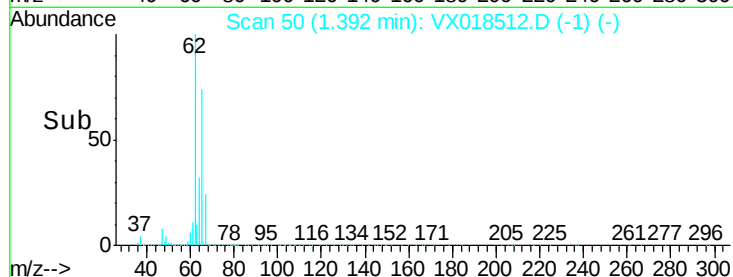
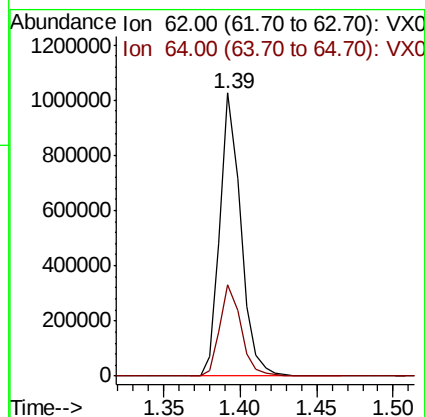
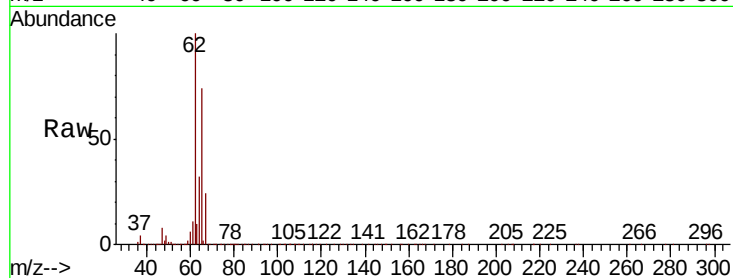
VSTD200405

Tot Ion: 62 Resp: 977763

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 214.437 ug/L

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX018512.D

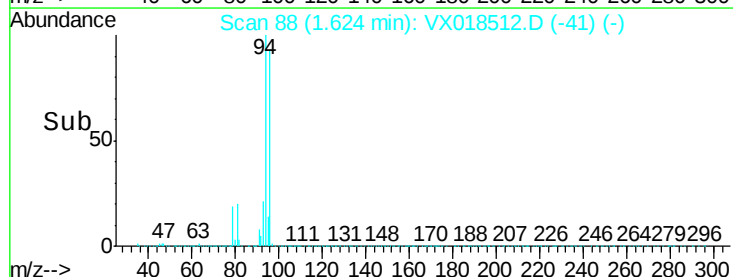
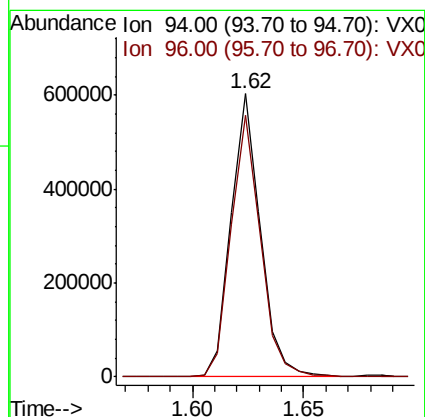
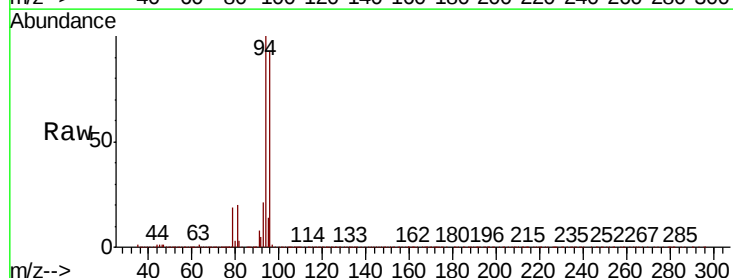
Acq: 21 Sep 2020 13:32

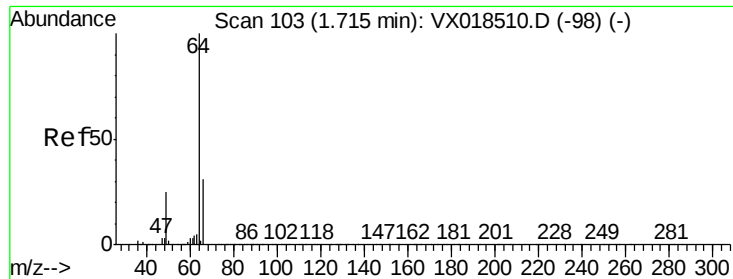
Tgt Ion: 94 Resp: 553533

Ion Ratio Lower Upper

94 100

96 92.6 69.2 128.4

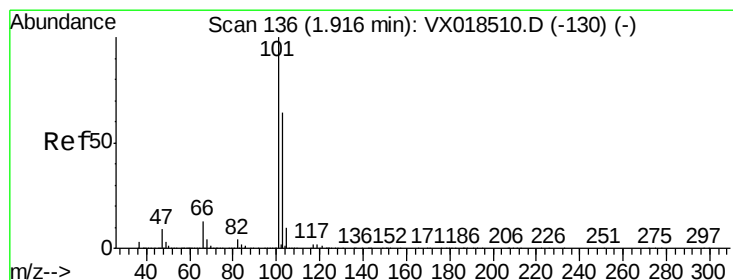
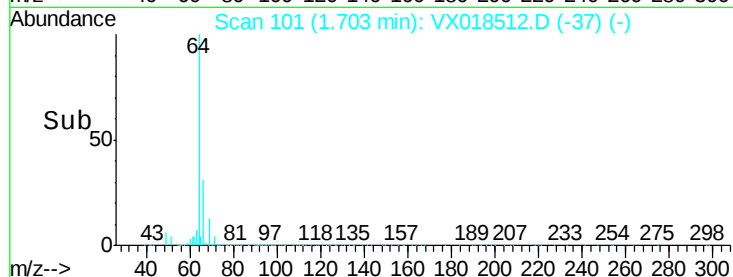
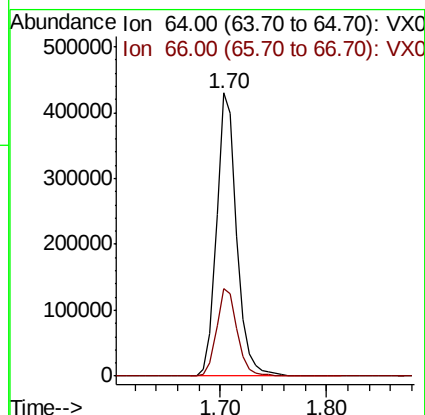
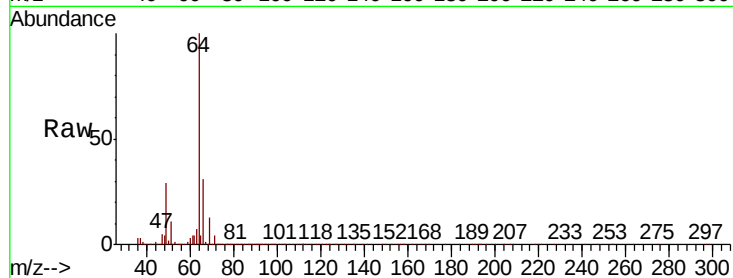




#8
Chloroethane
Concen: 189.829 ug/L
RT: 1.70 min Scan# 101
Delta R.T. -0.01 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

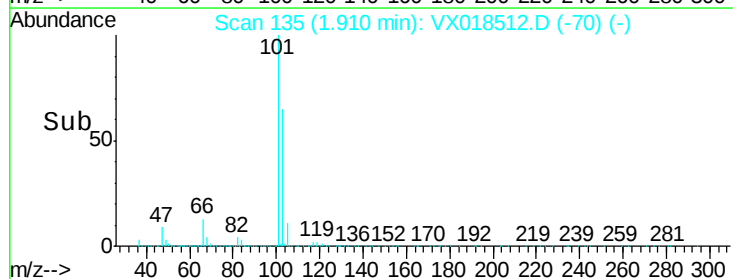
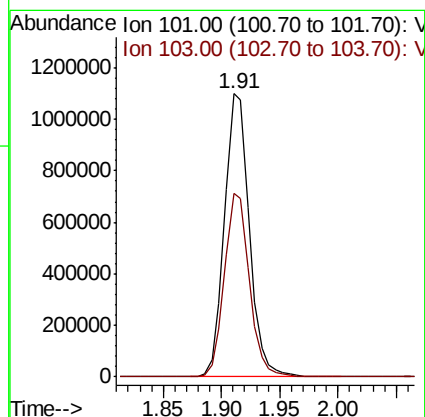
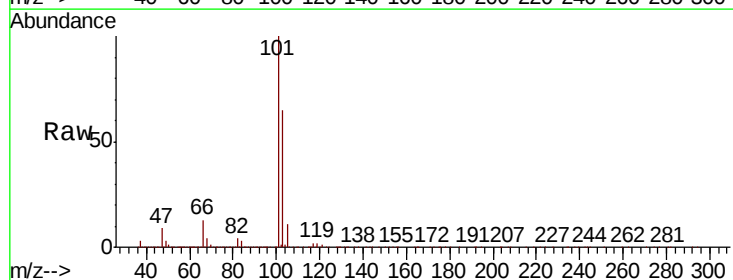
Instrument :
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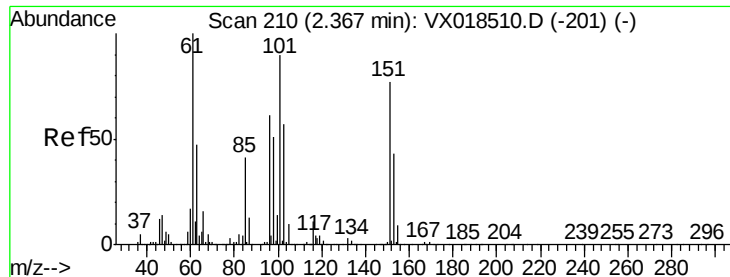
Tot Ion: 64 Resp: 559613
Ion Ratio Lower Upper
64 100
66 31.1 21.6 40.2



#9
Trichlorofluoromethane
Concen: 193.787 ug/L
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

Tgt Ion:101 Resp: 1623861
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3





#10

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

Concen: 191.908 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200405

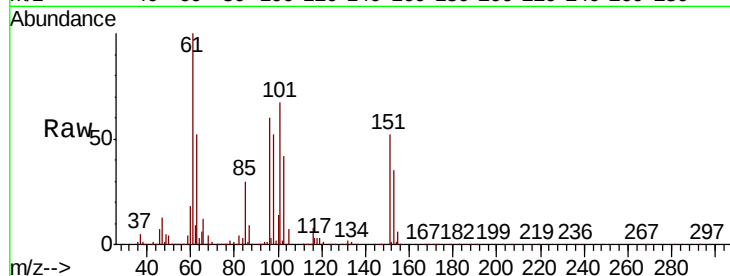
Tot Ion:101 Resp: 877932

Ion Ratio Lower Upper

101 100

85 43.9 34.9 52.3

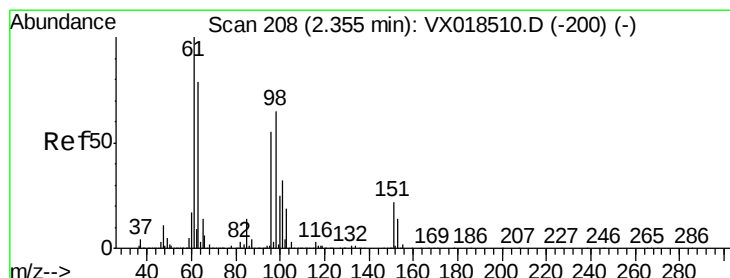
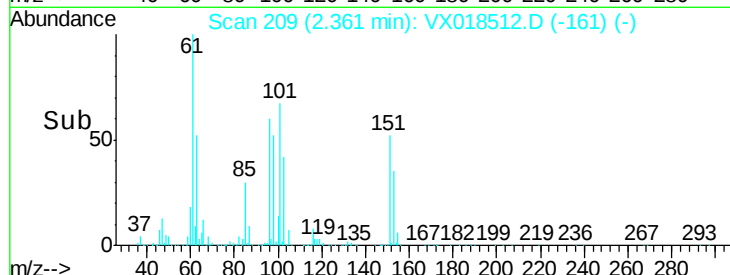
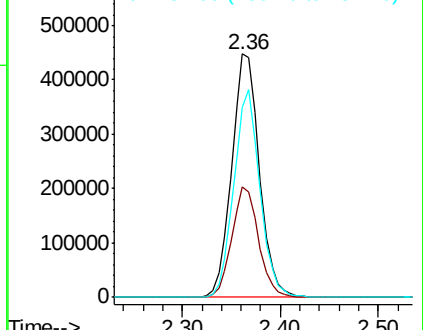
151 80.5 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 193.474 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

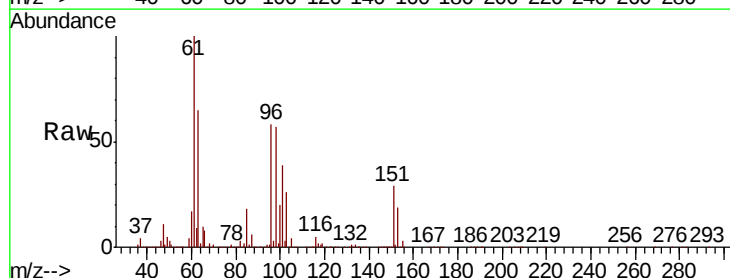
Tgt Ion: 96 Resp: 834570

Ion Ratio Lower Upper

96 100

61 171.8 126.8 235.6

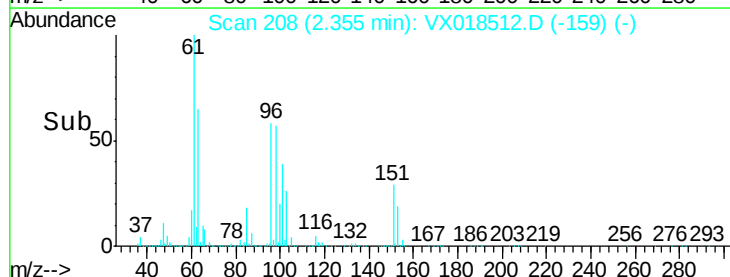
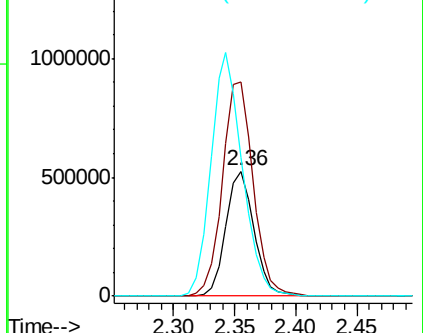
63 111.5 100.3 186.3

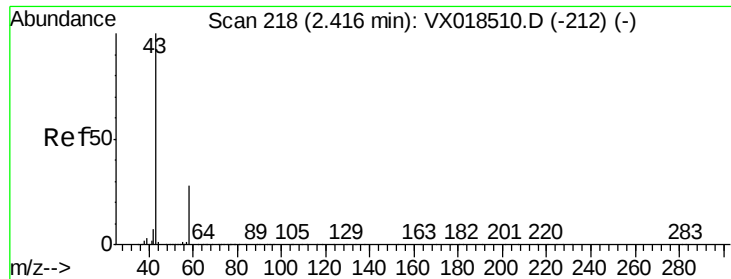


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 382.540 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampled :

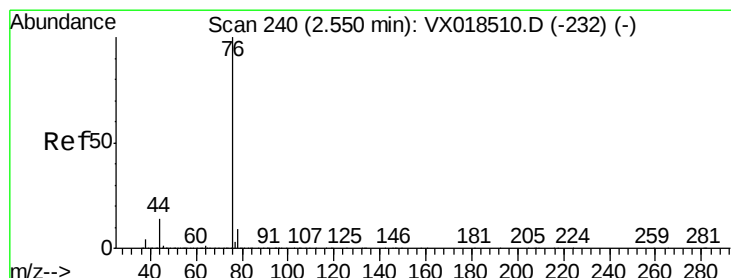
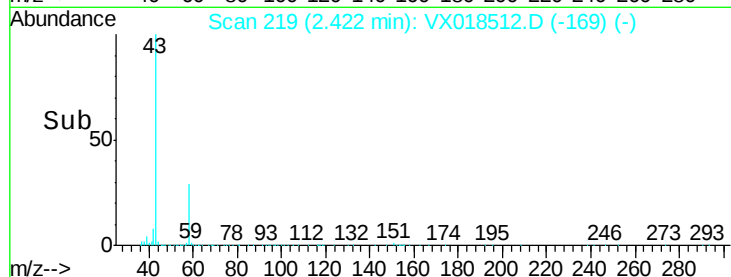
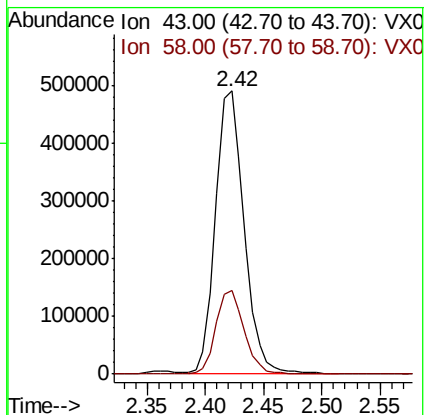
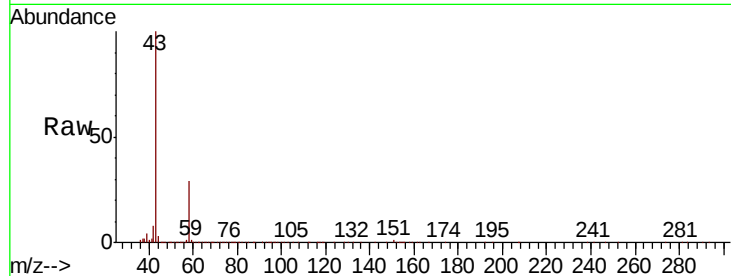
VSTD200405

Tot Ion: 43 Resp: 827431

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.6



#14

Carbon disulfide

Concen: 193.649 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018512.D

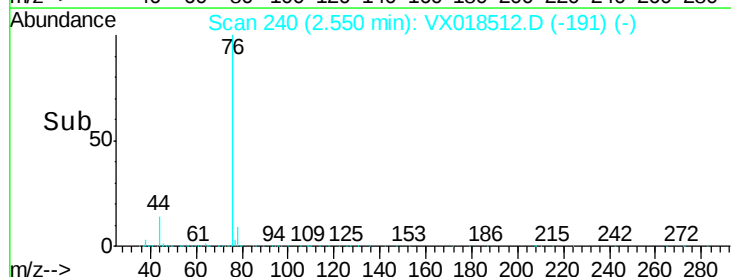
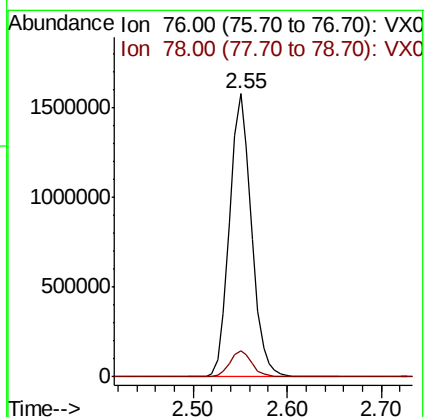
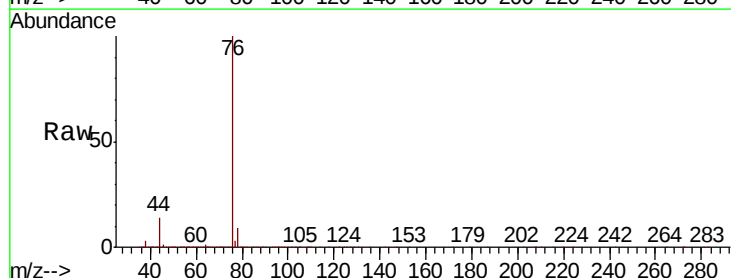
Acq: 21 Sep 2020 13:32

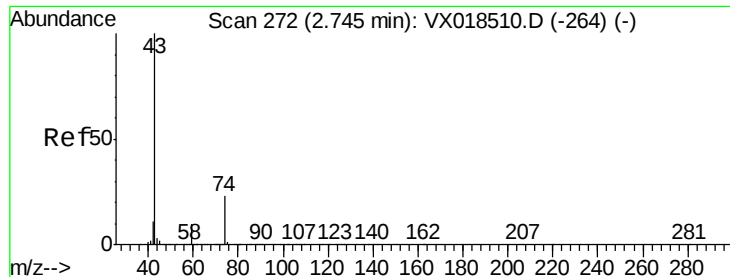
Tgt Ion: 76 Resp: 2561998

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methvl Acetate

Concen: 197.871 ug/L

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

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ClientSampleId :

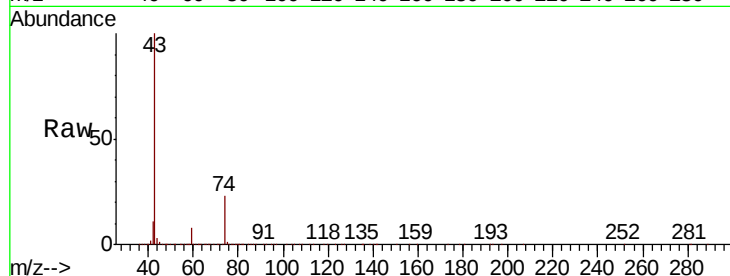
VSTD200405

Tot Ion: 43 Resp: 933207

Ion Ratio Lower Upper

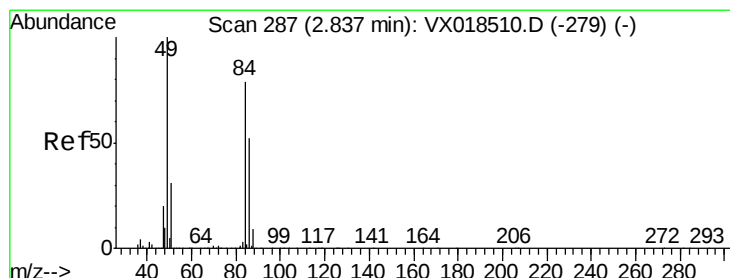
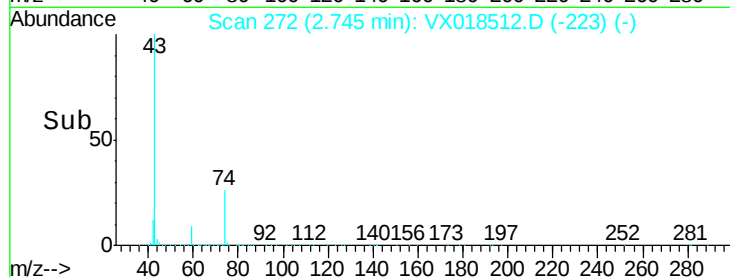
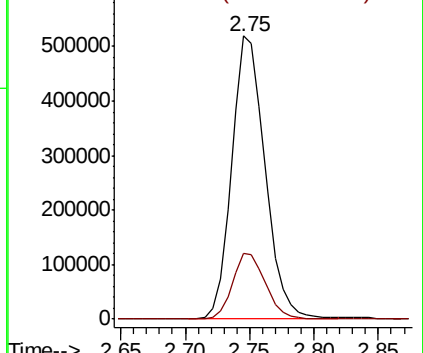
43 100

74 23.1 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: 192.110 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

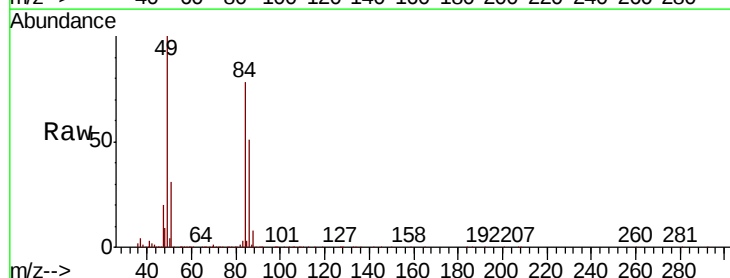
Tgt Ion: 84 Resp: 894391

Ion Ratio Lower Upper

84 100

86 64.5 46.1 85.7

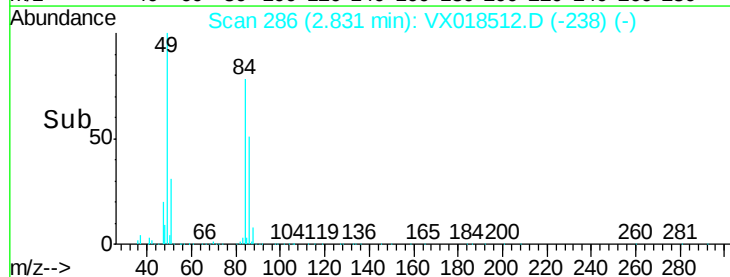
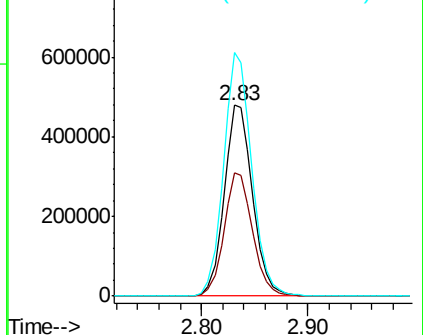
49 127.6 88.5 164.3

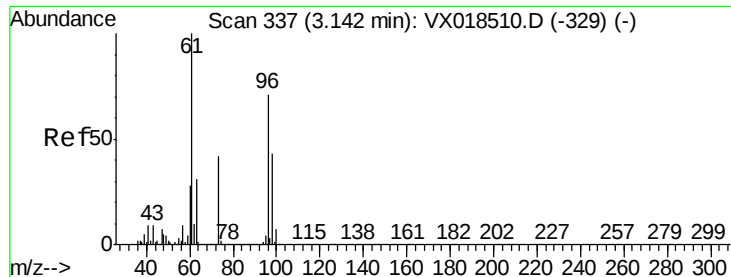


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.00 (48.70 to 49.70): VX0





#17

trans-1,2-Dichloroethene

Concen: 196.199 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200405

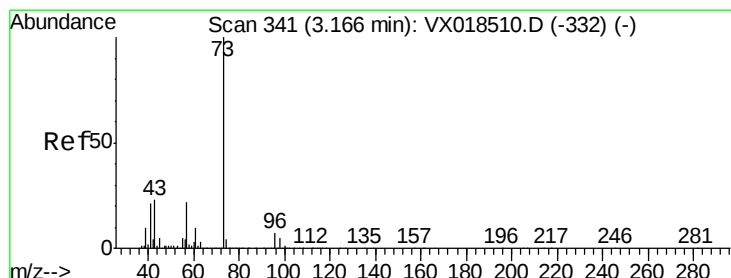
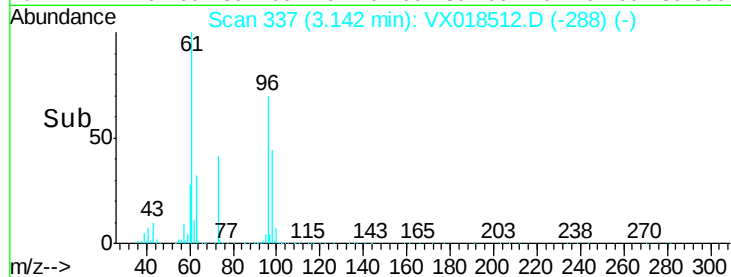
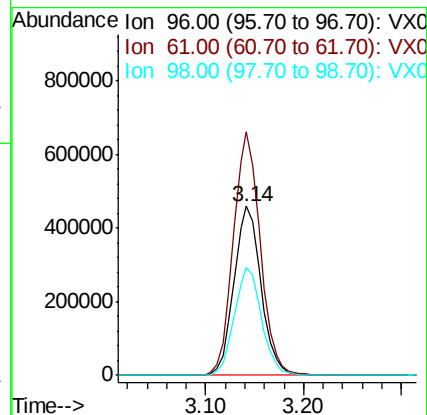
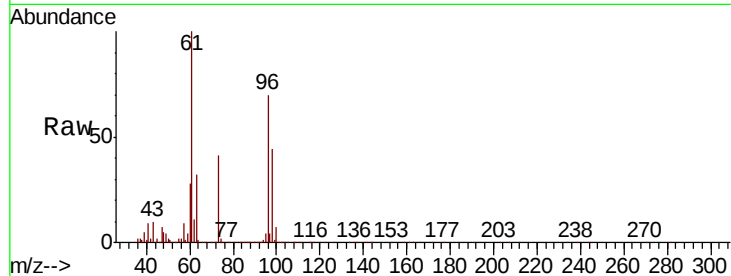
Tot Ion: 96 Resp: 880307

Ion Ratio Lower Upper

96 100

61 143.8 98.3 182.5

98 63.5 42.0 78.0



#18

Methyl tert-butyl Ether

Concen: 199.441 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

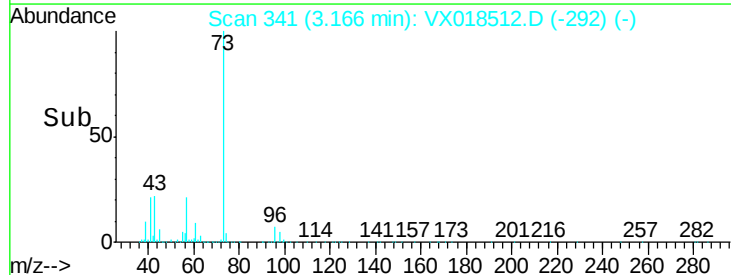
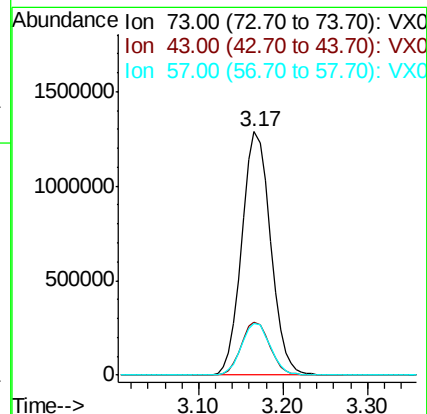
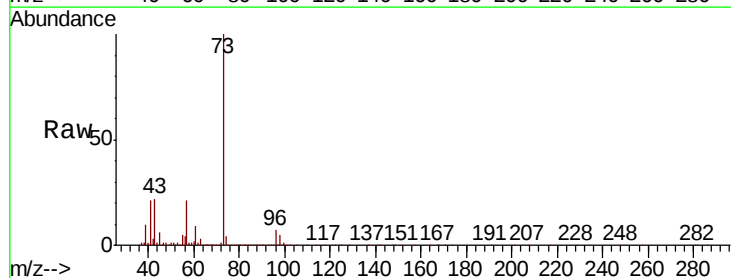
Tgt Ion: 73 Resp: 2967041

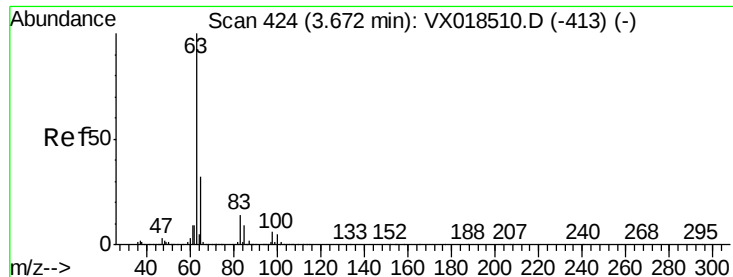
Ion Ratio Lower Upper

73 100

43 21.9 17.8 26.6

57 21.4 17.1 25.7

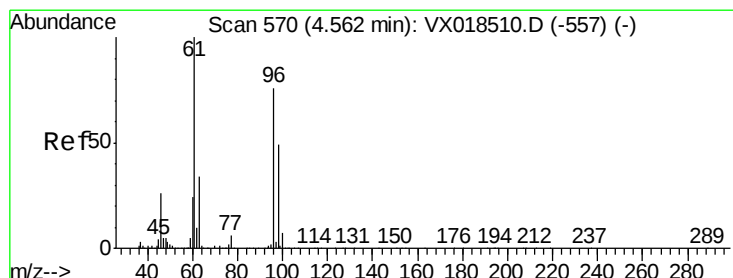
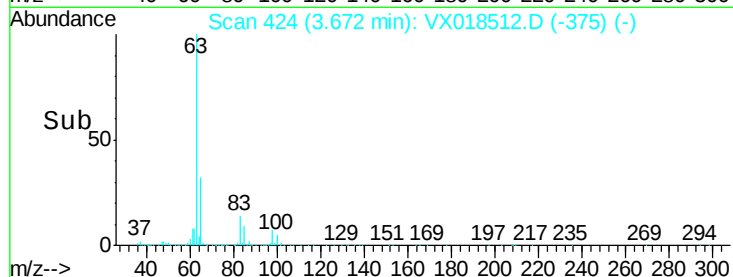
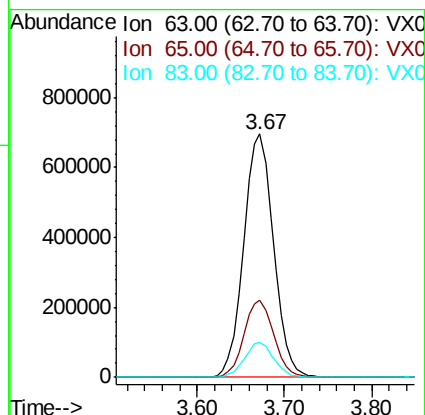
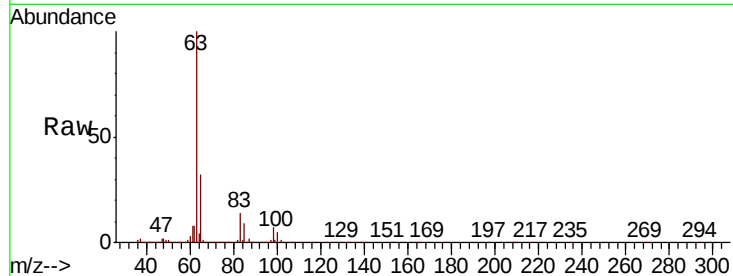




#19
 1,1-Dichloroethane
 Concen: 195.680 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

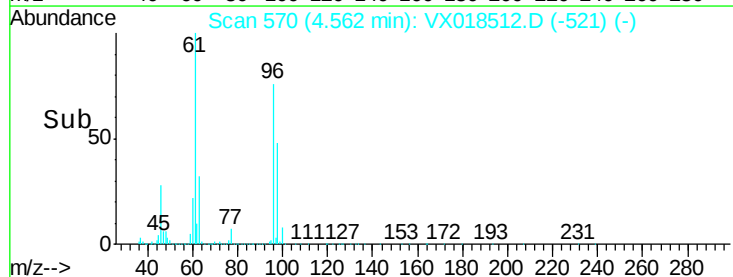
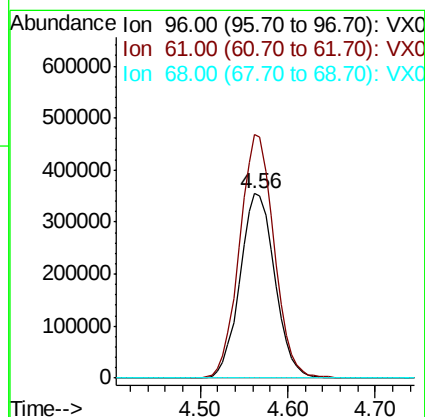
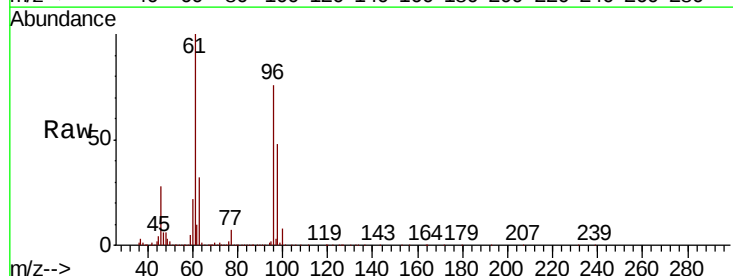
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200405

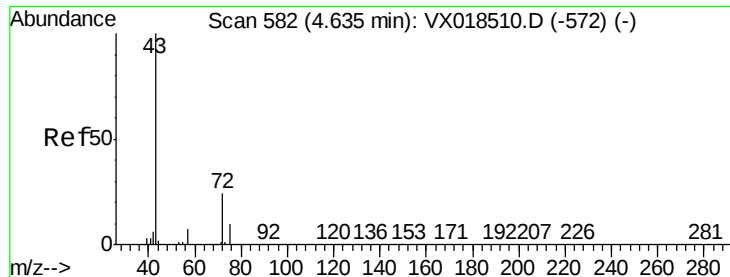
Tot Ion: 63 Resp: 1649573
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.5 41.7
 83 14.4 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 202.843 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 96 Resp: 985566
 Ion Ratio Lower Upper
 96 100
 61 132.1 91.8 170.6
 68 0.0 0.0 0.0#





#22

2-Butanone

Concen: 393.150 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

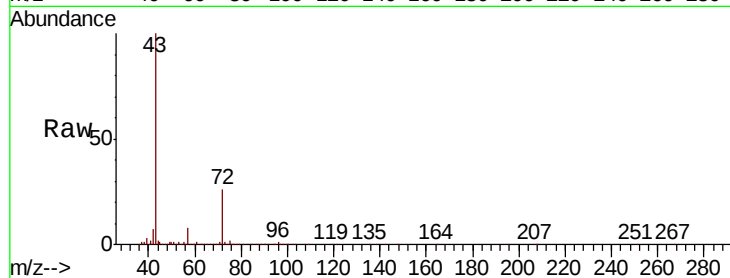
VSTD200405

Tot Ion: 43 Resp: 1339359

Ion Ratio Lower Upper

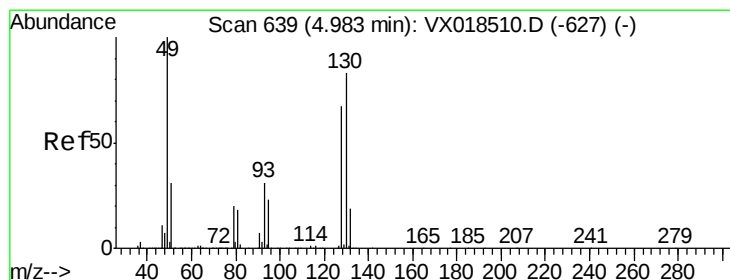
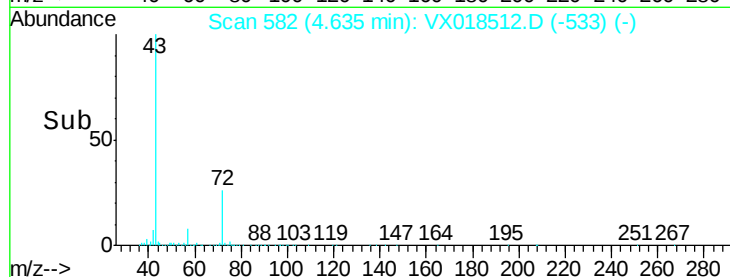
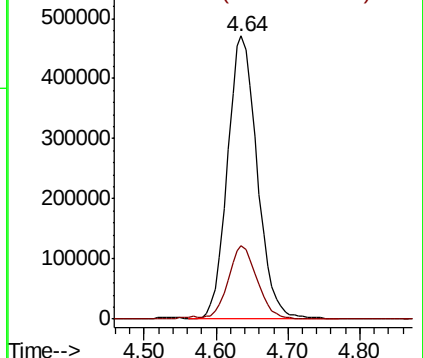
43 100

72 25.4 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 192.142 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Tgt Ion: 128 Resp: 528610

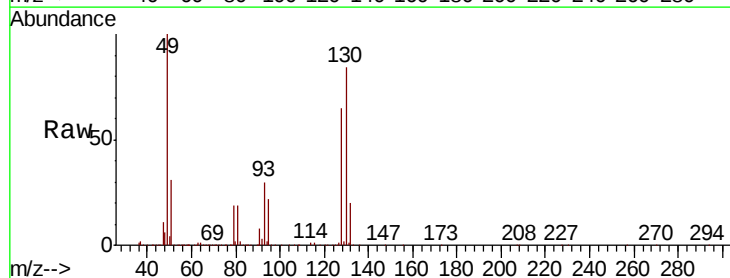
Ion Ratio Lower Upper

128 100

49 153.0 104.9 194.7

130 129.2 86.5 160.7

51 47.3 37.0 55.6

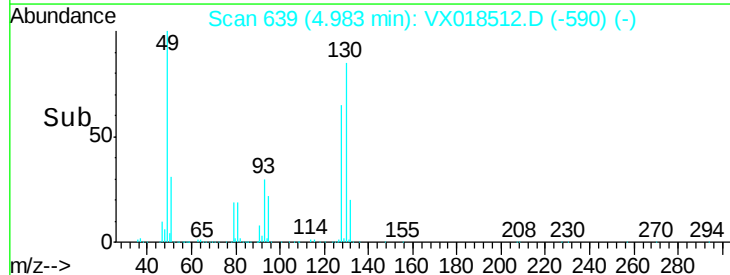
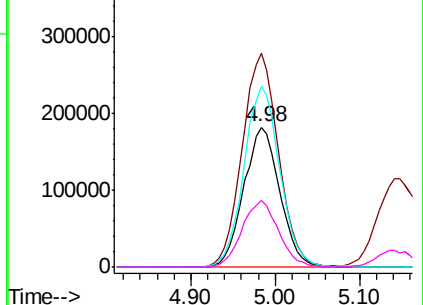


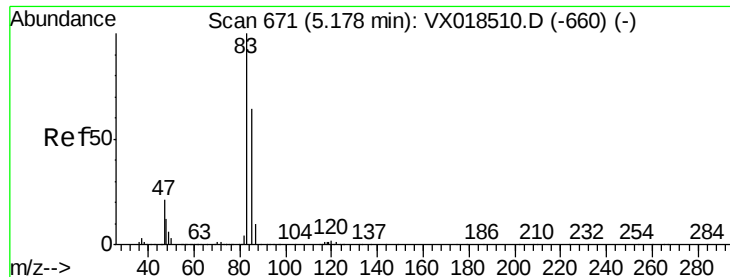
Abundance Ion 128.00 (127.70 to 128.70): V

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: 184.916 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

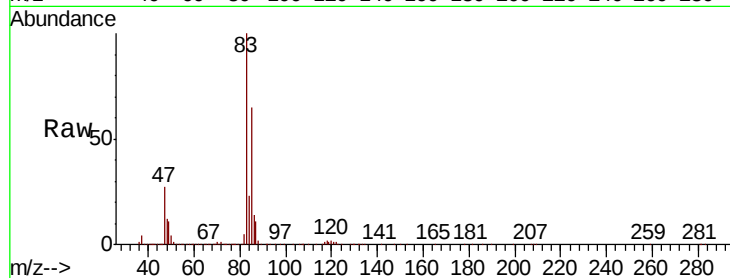
VSTD200405

Tot Ion: 83 Resp: 1753405

Ion Ratio Lower Upper

83 100

85 65.5 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.18

600000

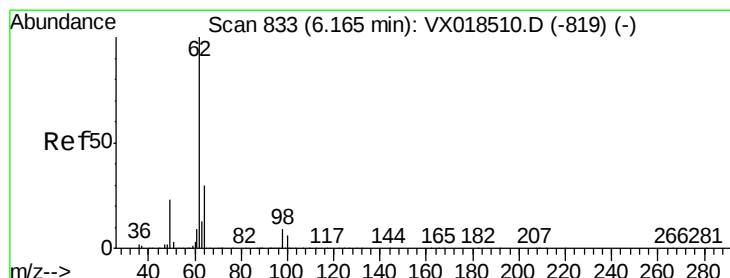
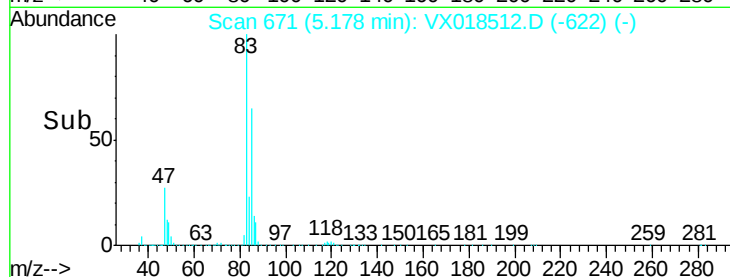
400000

200000

0

Time-->

5.00 5.10 5.20 5.30



#27

1,2-Dichloroethane

Concen: 191.471 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018512.D

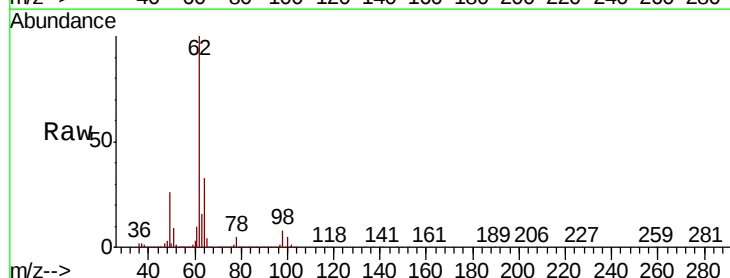
Acq: 21 Sep 2020 13:32

Tgt Ion: 62 Resp: 1462515

Ion Ratio Lower Upper

62 100

98 8.2 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

6.17

600000

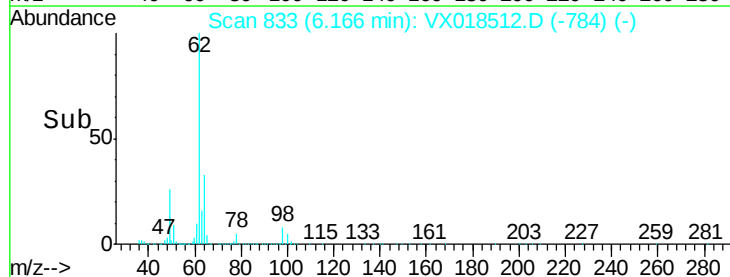
400000

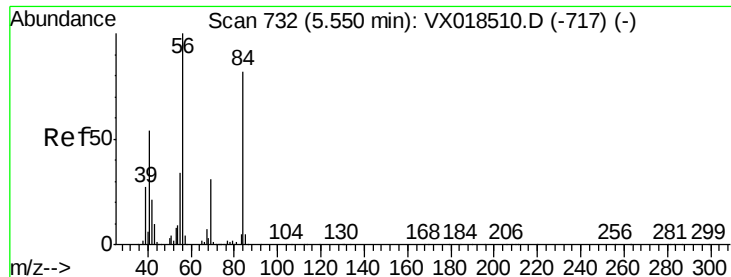
200000

0

Time-->

6.10 6.20 6.30





#29

Cyclohexane

Concen: 203.393 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200405

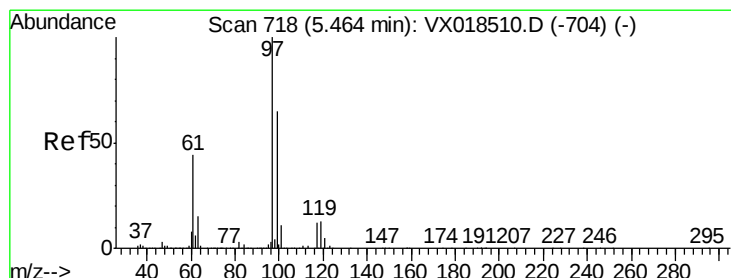
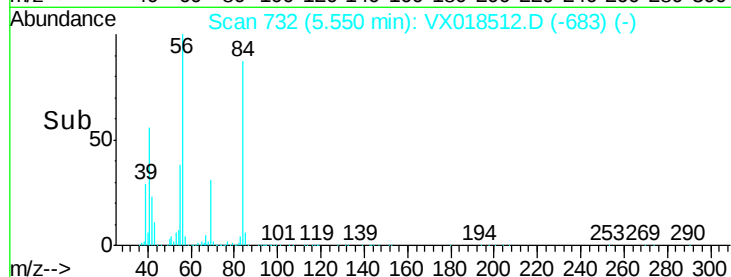
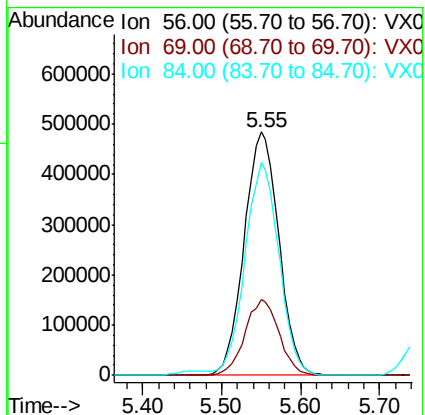
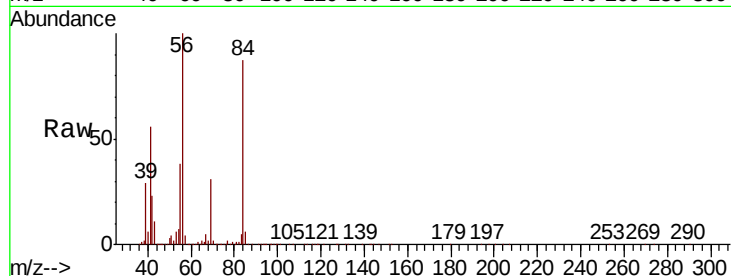
Tot Ion: 56 Resp: 1481372

Ion Ratio Lower Upper

56 100

69 30.7 25.2 37.8

84 85.7 69.1 103.7



#30

1,1,1-Trichloroethane

Concen: 194.478 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

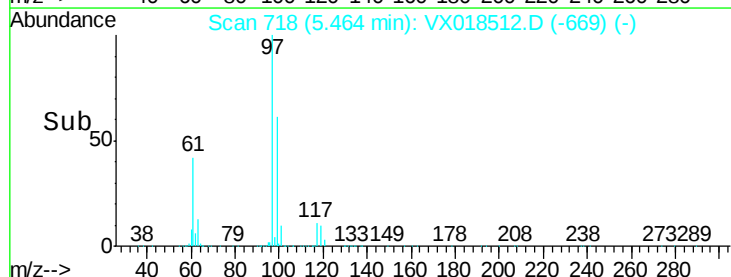
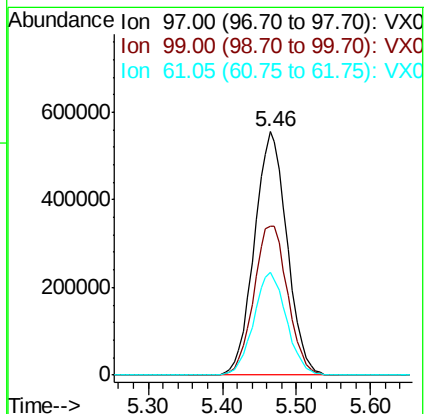
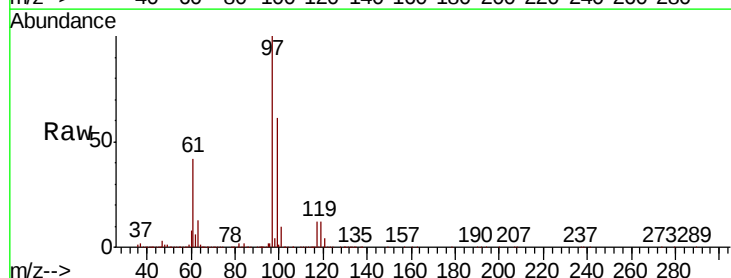
Tgt Ion: 97 Resp: 1702524

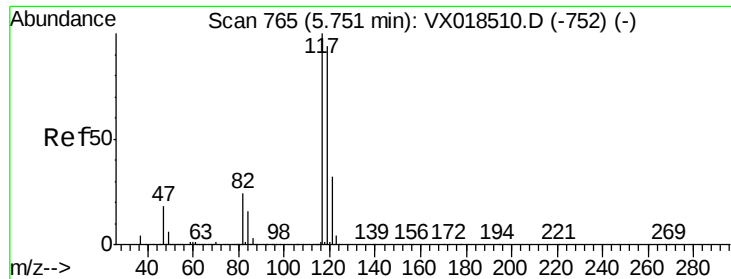
Ion Ratio Lower Upper

97 100

99 63.5 51.9 77.9

61 42.4 34.4 51.6





#31

Carbon tetrachloride

Concen: 196.598 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

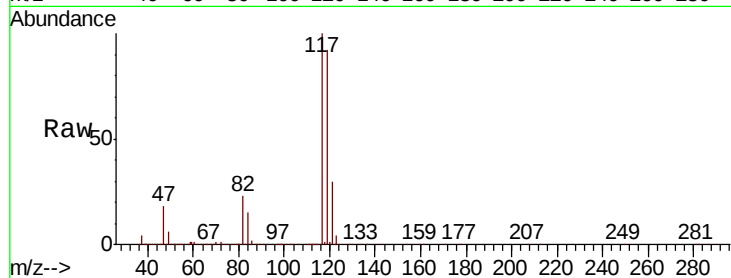
VSTD200405

Tot Ion:117 Resp: 1575108

Ion Ratio Lower Upper

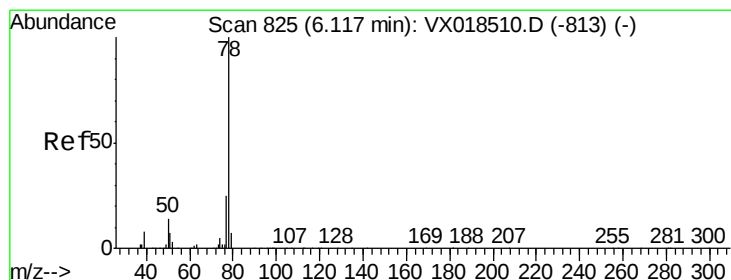
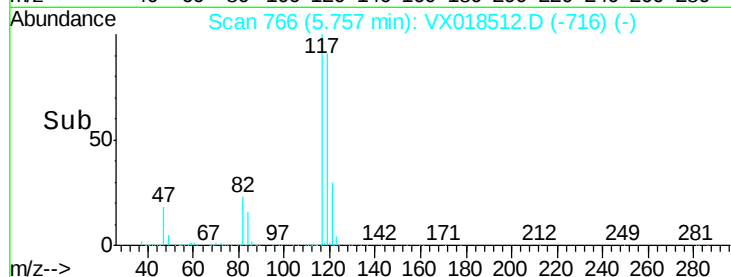
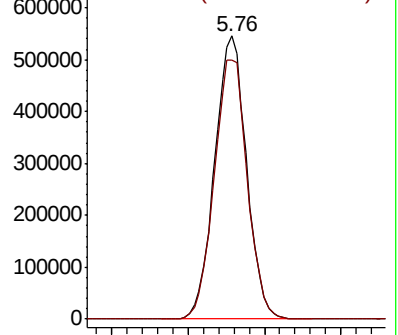
117 100

119 95.5 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 192.676 ug/L

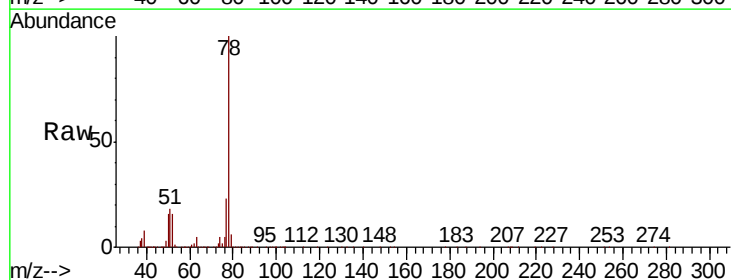
RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

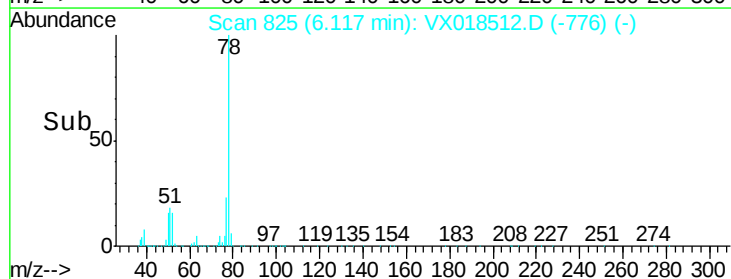
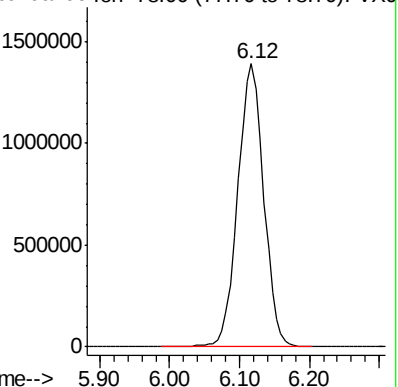
Lab File: VX018512.D

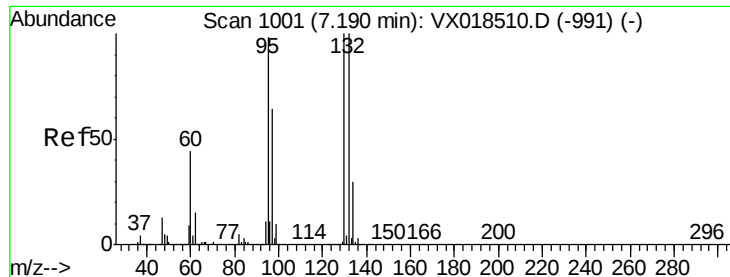
Acq: 21 Sep 2020 13:32

Tgt Ion: 78 Resp: 3585731



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 198.023 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200405

Tot Ion: 95 Resp: 1005752

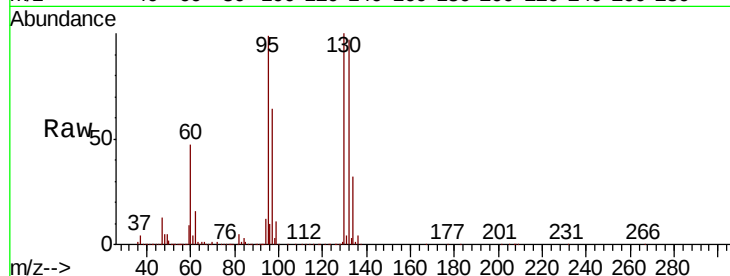
Ion Ratio Lower Upper

95 100

97 64.9 46.0 85.4

132 97.5 71.7 133.1

130 100.9 71.3 132.5

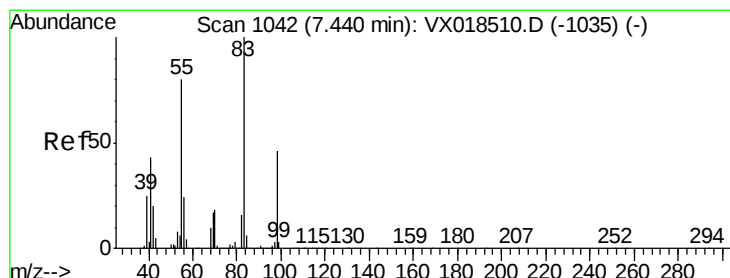
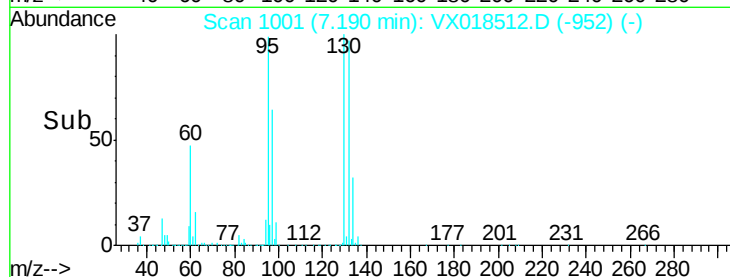
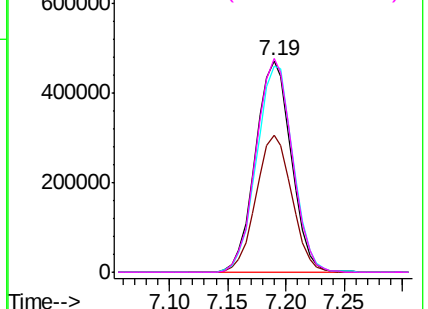


Abundance Ion 95.00 (94.70 to 95.70): VX0

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

Methylcyclohexane

Concen: 199.846 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

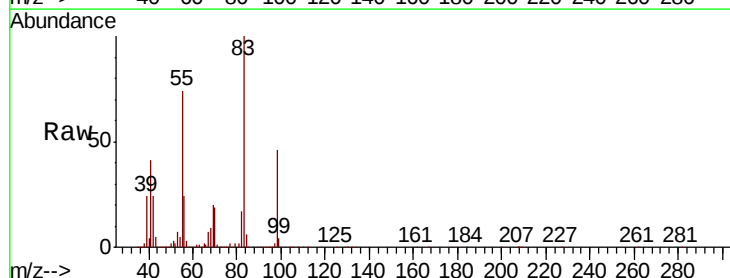
Tgt Ion: 83 Resp: 1525019

Ion Ratio Lower Upper

83 100

55 76.0 61.6 92.4

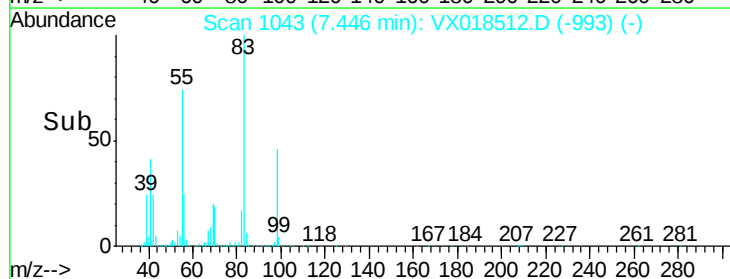
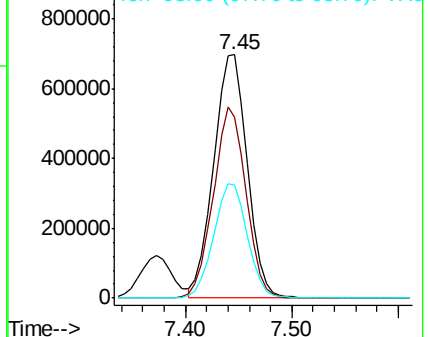
98 47.2 37.0 55.4

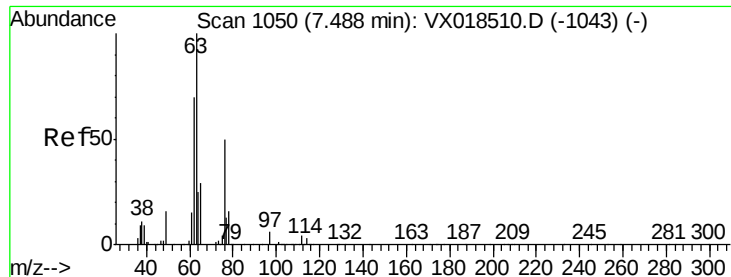


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

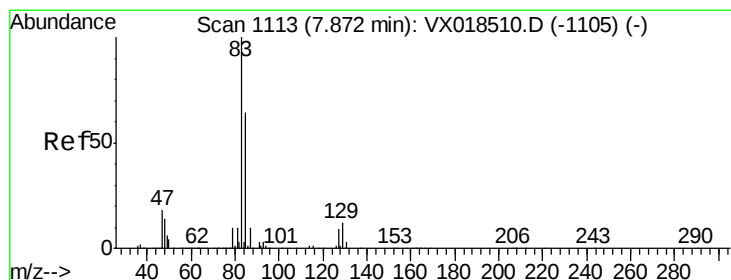
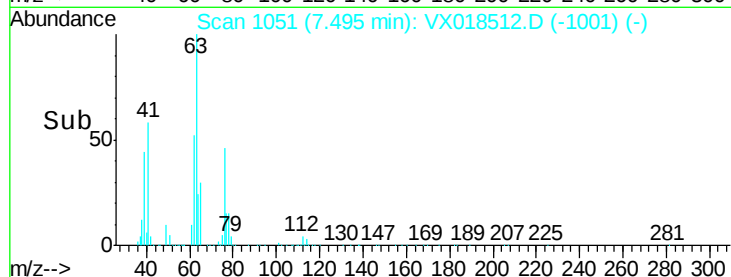
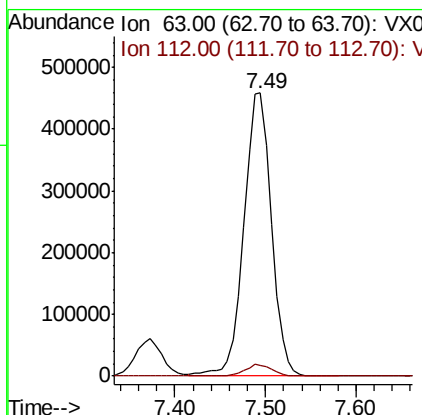
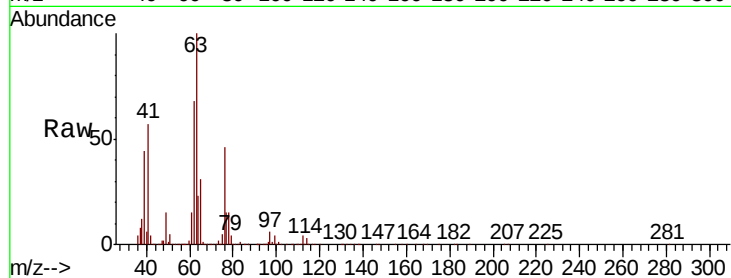




#37
 1,2-Dichloropropane
 Concen: 199.226 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

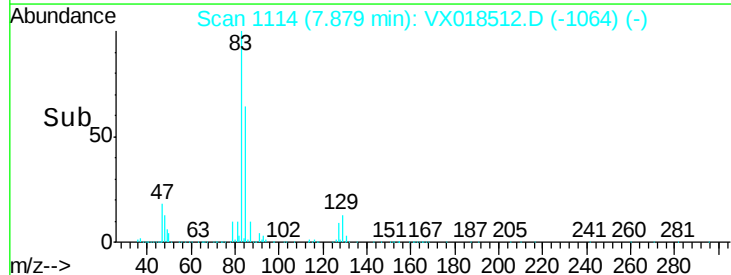
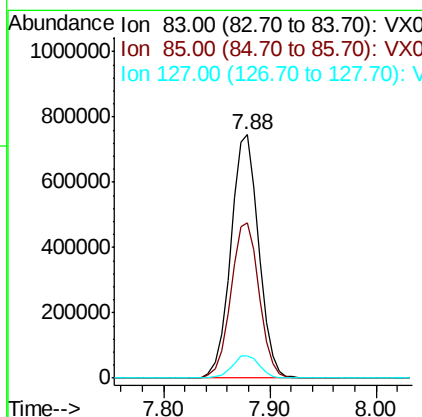
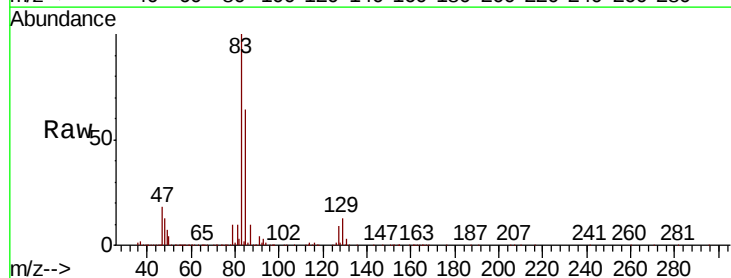
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200405

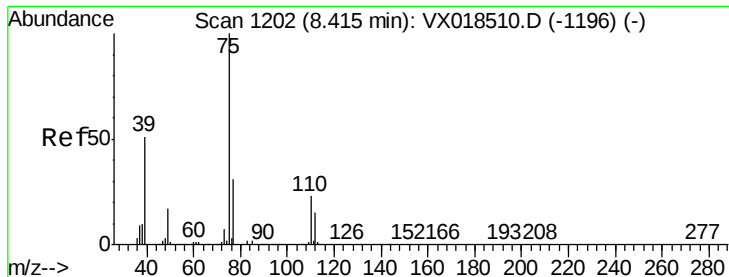
Tot Ion: 63 Resp: 959757
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 195.153 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 83 Resp: 1367010
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.0 83.6
 127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 202.117 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

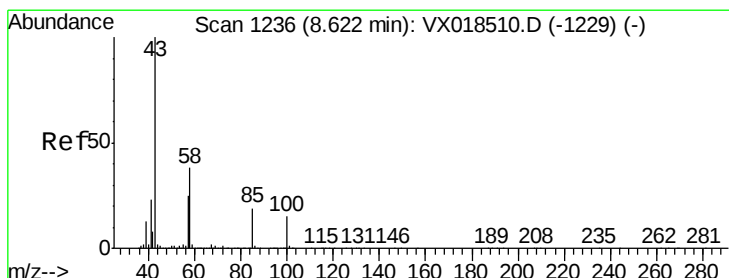
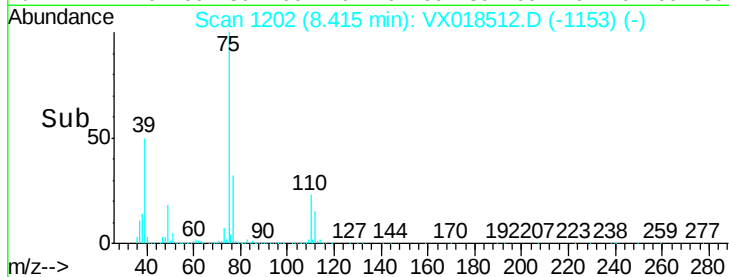
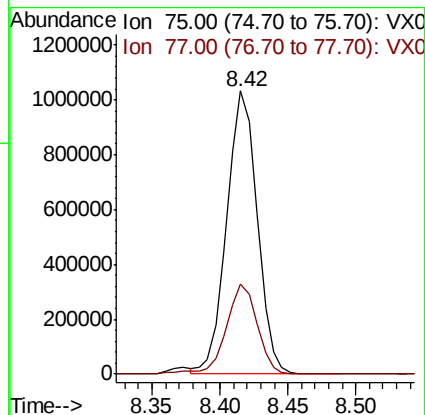
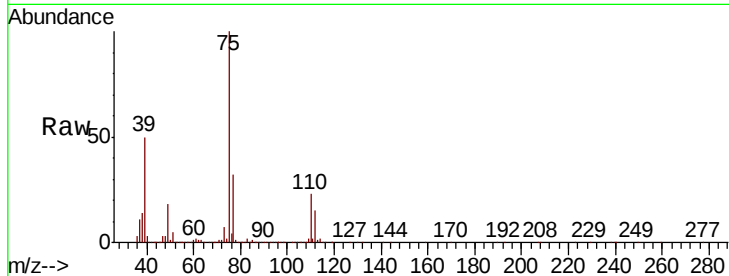
VSTD200405

Tot Ion: 75 Resp: 1615917

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 400.231 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

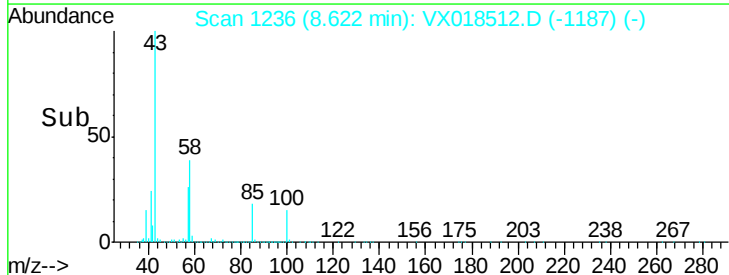
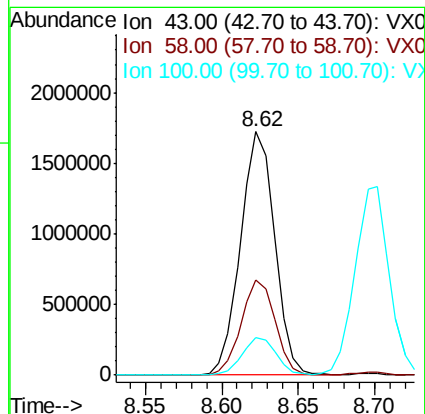
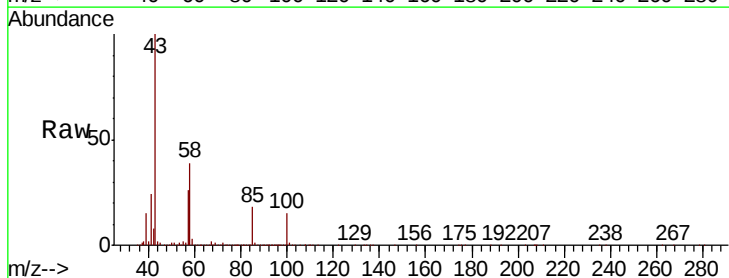
Tgt Ion: 43 Resp: 2684179

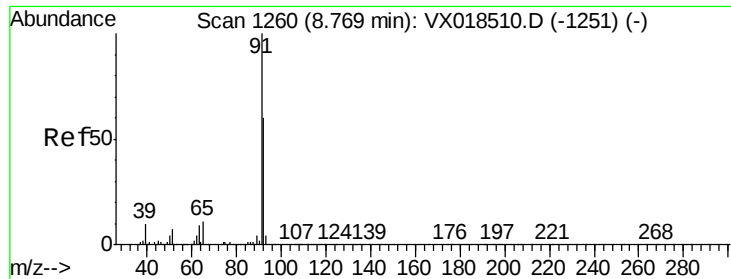
Ion Ratio Lower Upper

43 100

58 38.9 30.6 45.8

100 15.3 12.2 18.2





#42

Toluene

Concen: 193.828 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

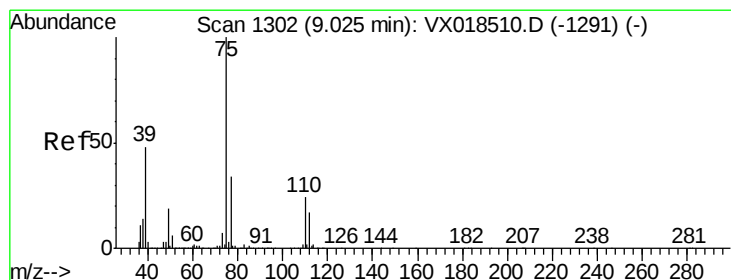
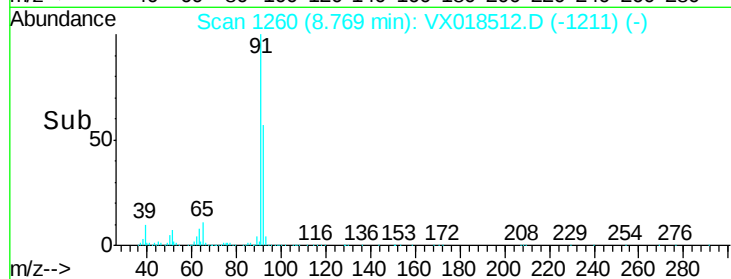
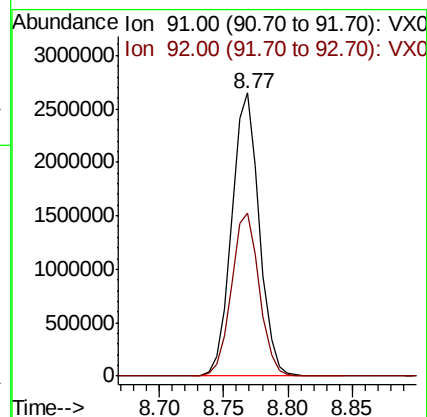
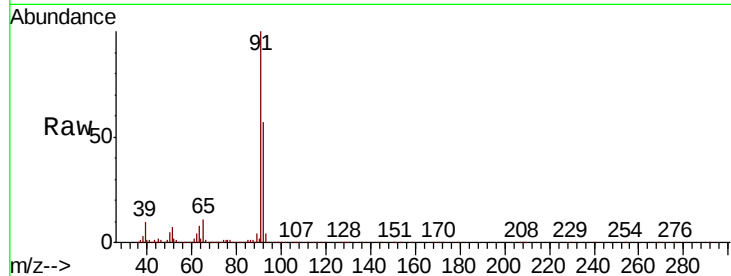
VSTD200405

Tot Ion: 91 Resp: 3958929

Ion Ratio Lower Upper

91 100

92 57.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 206.880 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018512.D

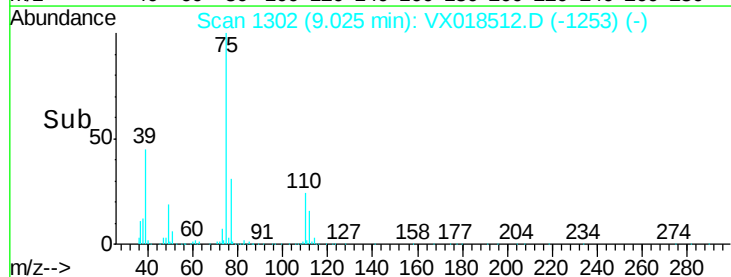
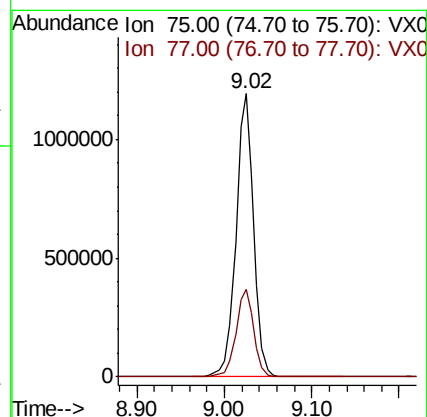
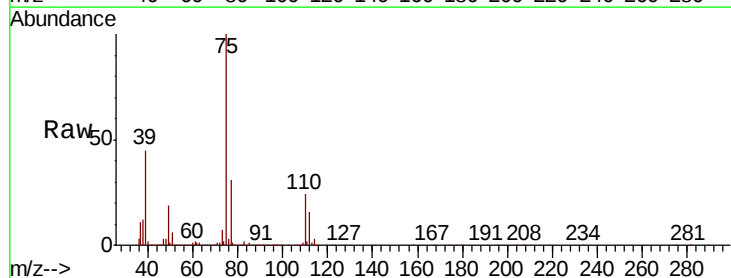
Acq: 21 Sep 2020 13:32

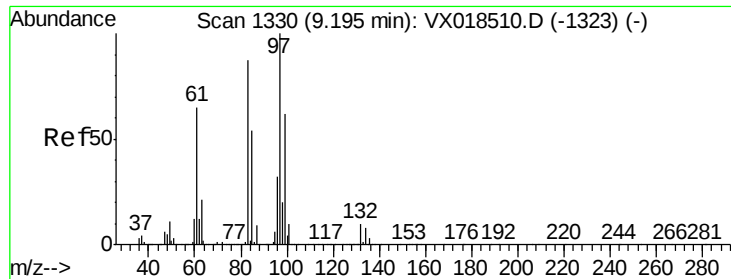
Tgt Ion: 75 Resp: 1667979

Ion Ratio Lower Upper

75 100

77 31.0 23.6 43.8

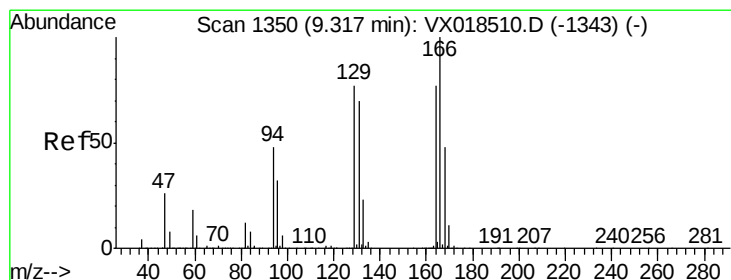
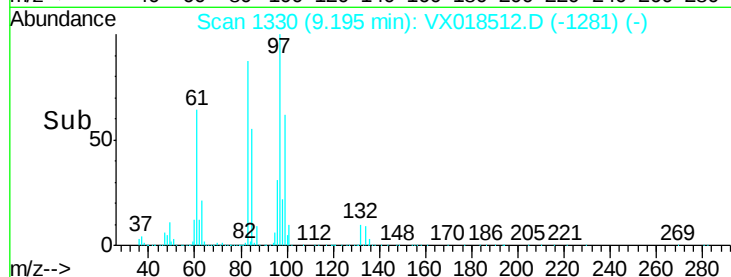
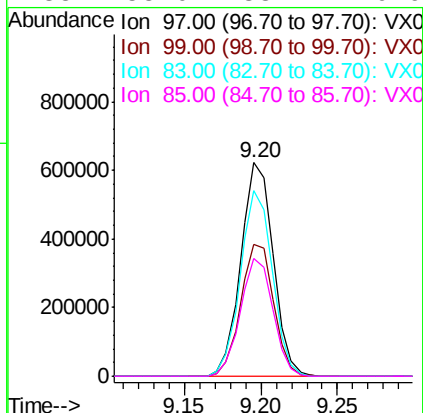
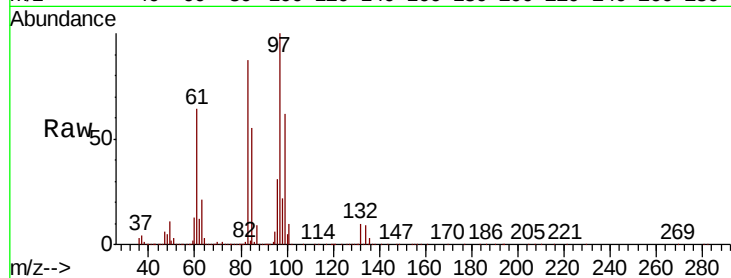




#45
1,1,2-Trichloroethane
Concen: 190.090 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

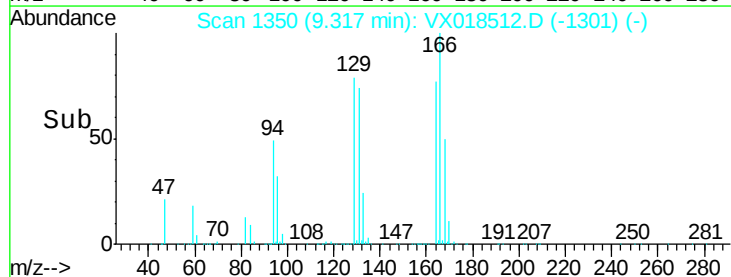
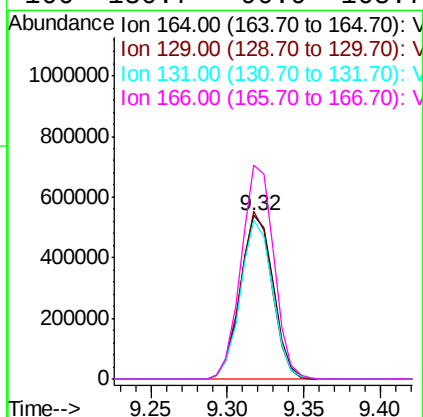
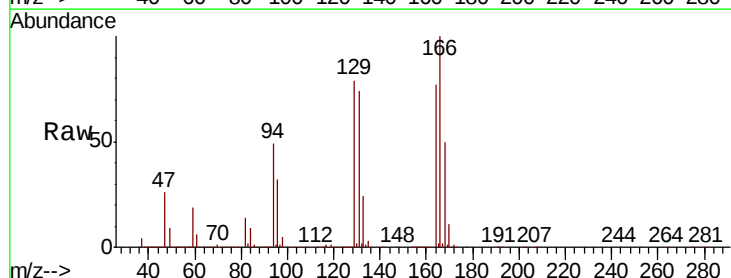
Instrument :
MSVOA_X
ClientSampleId :
VSTD200405

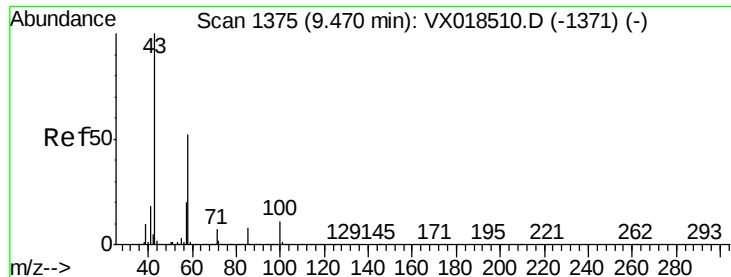
Tot Ion:	97	Resp:	916323
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.5	80.9
83	86.8	60.8	113.0
85	55.0	38.1	70.9



#46
Tetrachloroethene
Concen: 190.987 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

Tgt Ion:	164	Resp:	807441
Ion	Ratio	Lower	Upper
164	100		
129	103.0	69.7	129.5
131	96.9	63.4	117.8
166	130.7	90.9	168.7



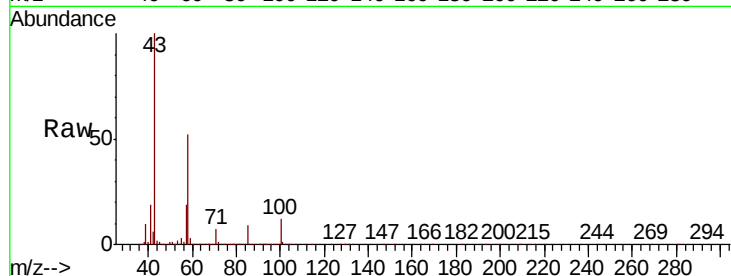


#48
2-Hexanone
Concen: 408.279 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD200405

Tot Ion: 43 Resp: 2128841

Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.0	64.6
57	19.3	15.6	23.4
100	11.7	9.4	14.2

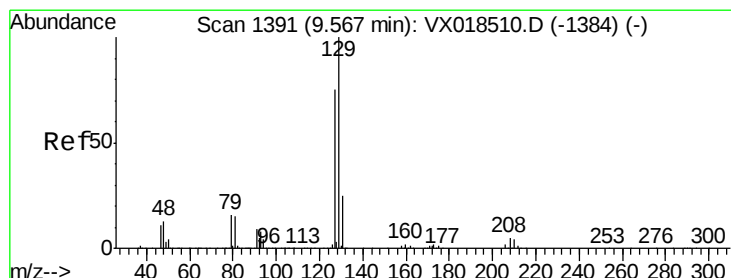
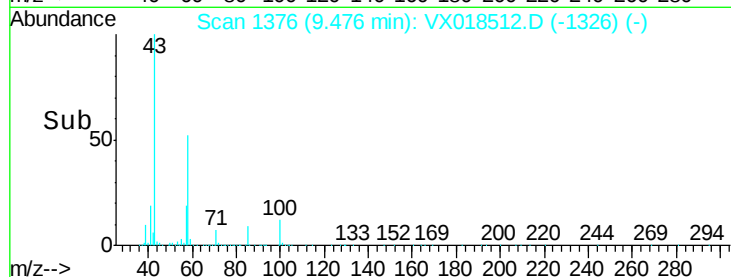
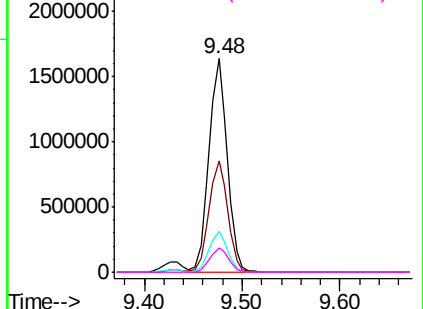


Abundance Ion 43.00 (42.70 to 43.70): VX018512.D (-1376) (-)

Ion 58.00 (57.70 to 58.70): VX018512.D (-1376) (-)

Ion 57.00 (56.70 to 57.70): VX018512.D (-1376) (-)

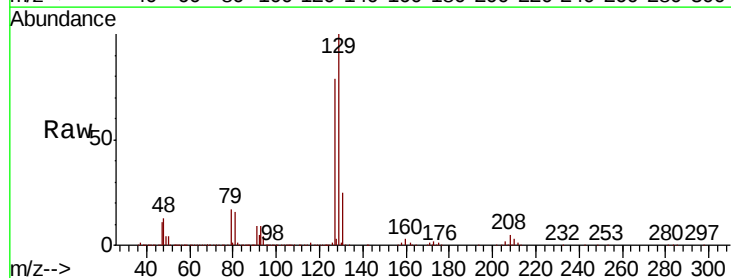
Ion 100.00 (99.70 to 100.70): VX018512.D (-1376) (-)



#49
Dibromochloromethane
Concen: 200.190 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

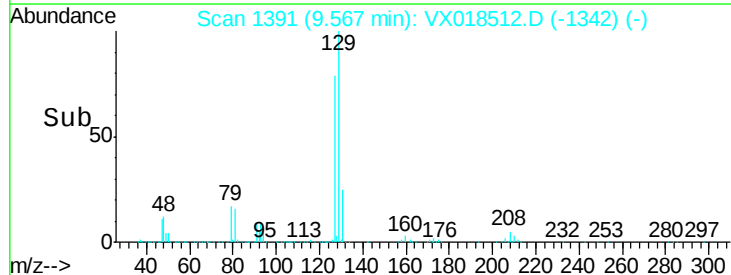
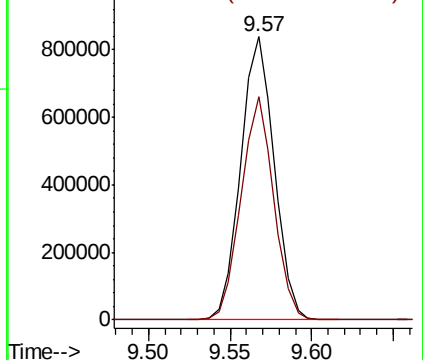
Tgt Ion: 129 Resp: 1201478

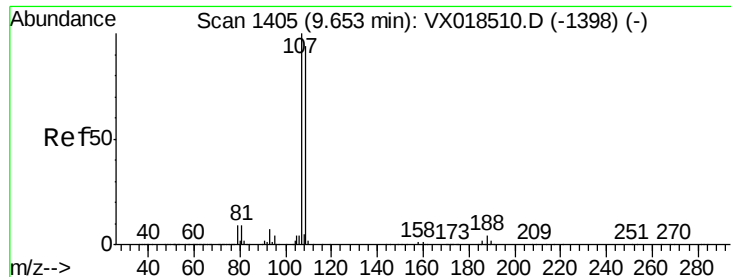
Ion	Ratio	Lower	Upper
129	100		
127	78.9	52.6	97.6



Abundance Ion 129.00 (128.70 to 129.70): VX018512.D (-1342) (-)

Ion 127.00 (126.70 to 127.70): VX018512.D (-1342) (-)

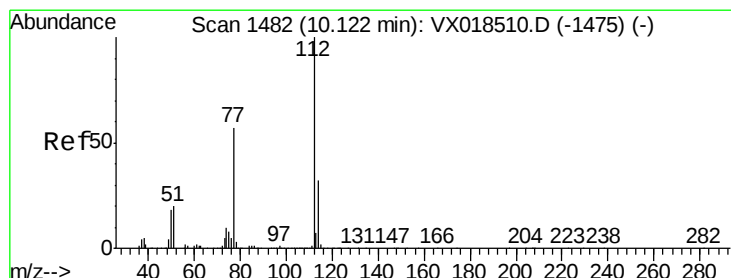
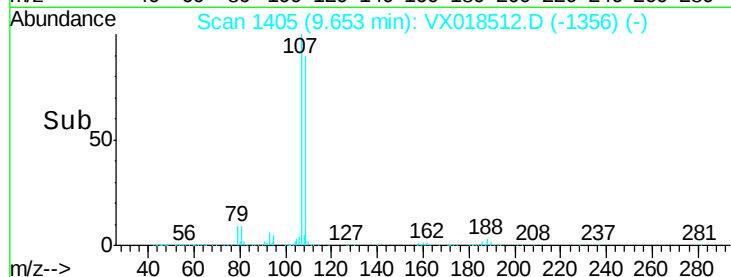
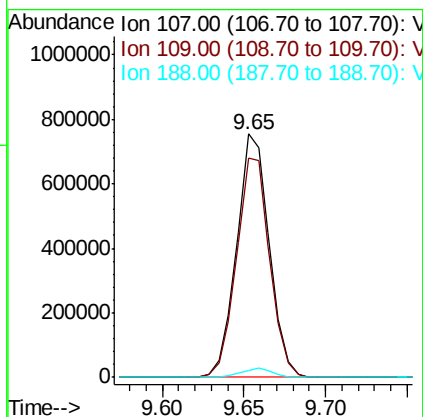
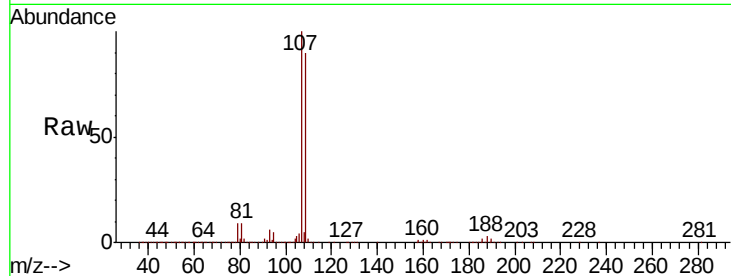




#50
1,2-Dibromoethane
Concen: 200.980 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

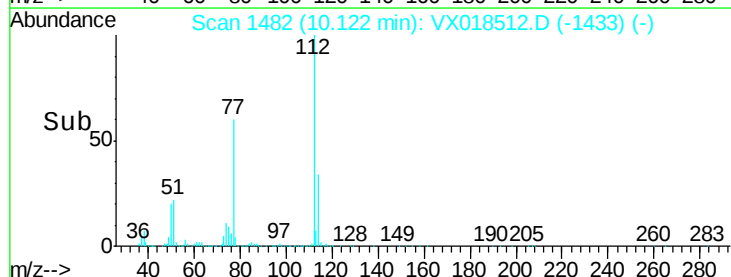
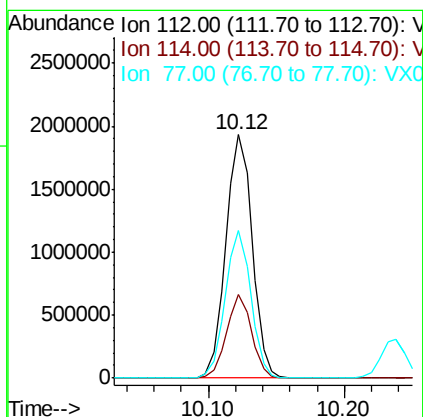
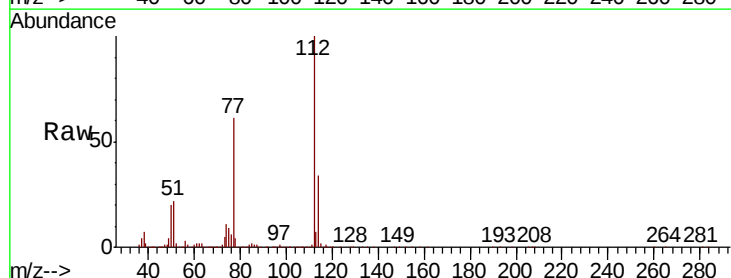
Instrument :
MSVOA_X
ClientSampleId :
VSTD200405

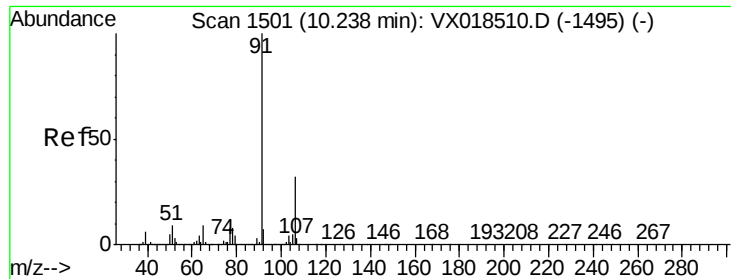
Tot Ion:107 Resp: 1048469
Ion Ratio Lower Upper
107 100
109 90.0 65.7 121.9
188 3.0 3.0 4.4



#51
Chlorobenzene
Concen: 192.880 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

Tgt Ion:112 Resp: 2606999
Ion Ratio Lower Upper
112 100
114 34.3 22.2 41.2
77 60.5 46.1 69.1





#52

Ethylbenzene

Concen: 199.870 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

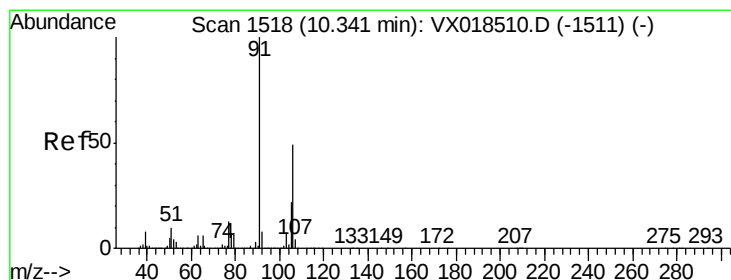
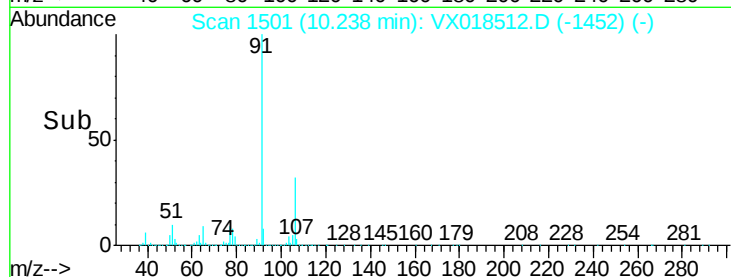
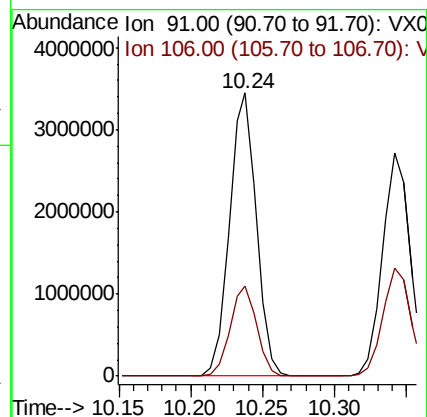
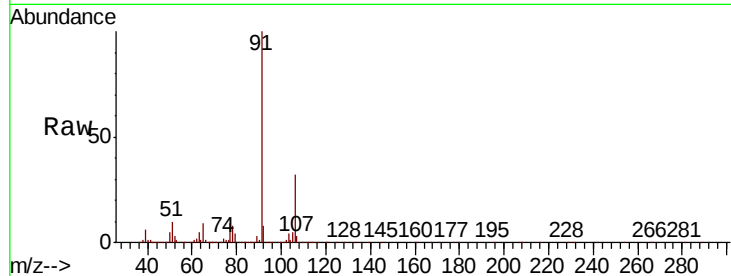
VSTD200405

Tot Ion: 91 Resp: 4516880

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#53

m,p-Xylene

Concen: 196.371 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018512.D

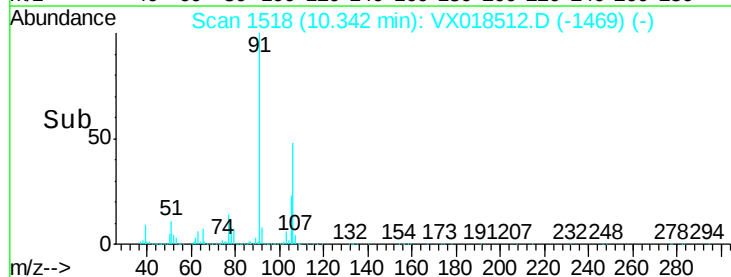
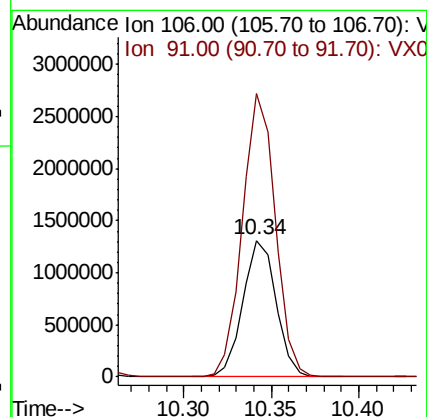
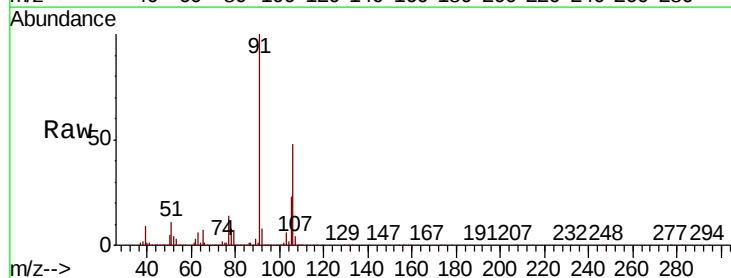
Acq: 21 Sep 2020 13:32

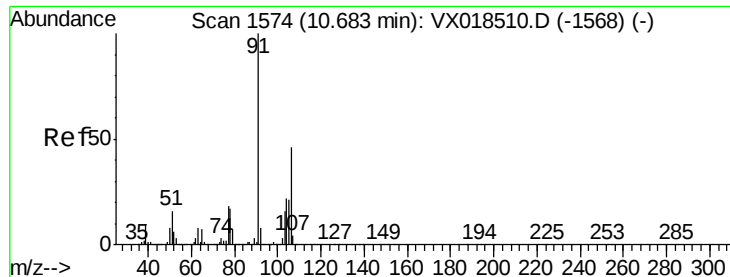
Tgt Ion: 106 Resp: 1730724

Ion Ratio Lower Upper

106 100

91 206.9 142.2 264.0

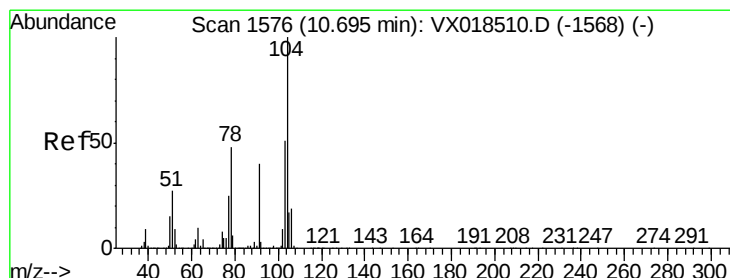
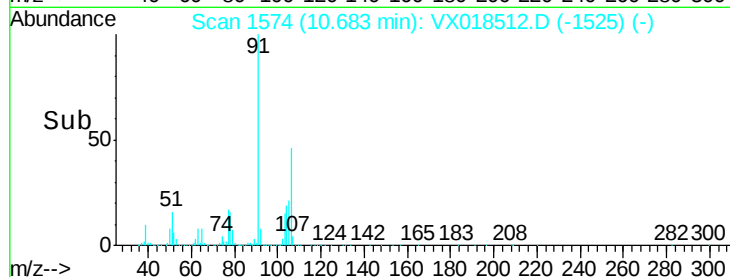
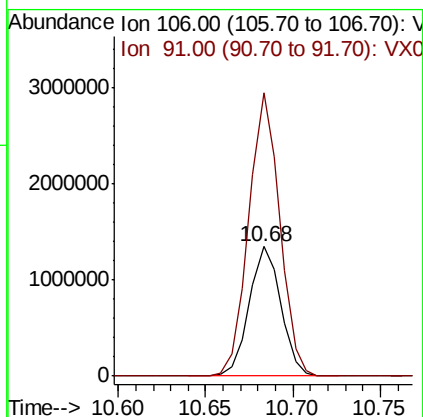
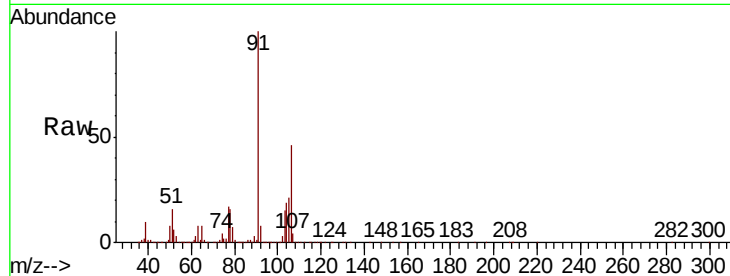




#54
o-Xylene
Concen: 198.194 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

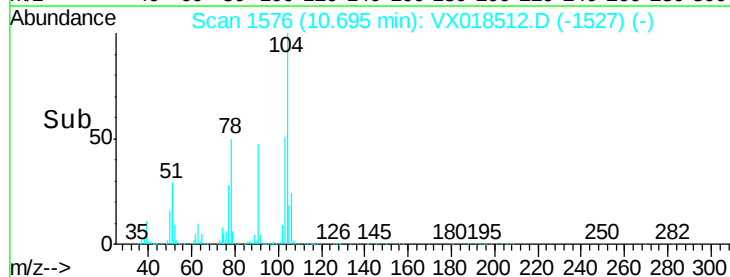
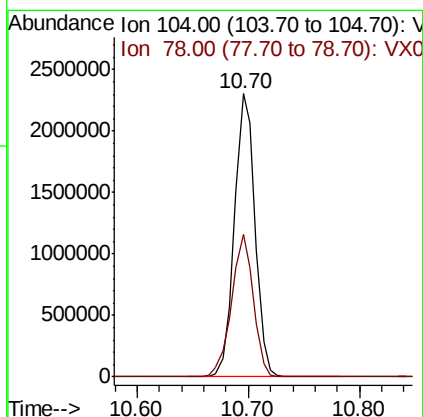
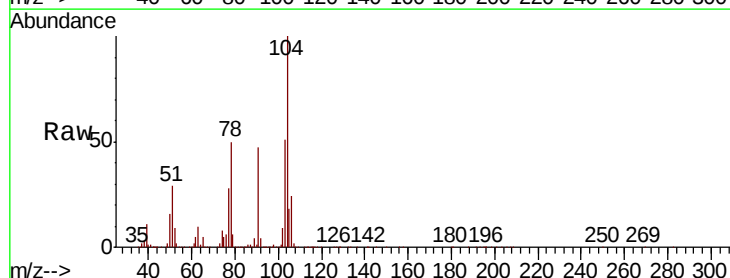
Instrument :
MSVOA_X
ClientSampleId :
VSTD200405

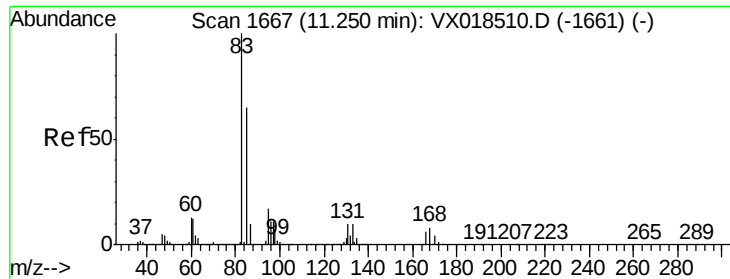
Tot Ion:106 Resp: 1691504
Ion Ratio Lower Upper
106 100
91 218.7 152.2 282.6



#55
Styrene
Concen: 201.720 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

Tgt Ion:104 Resp: 2939550
Ion Ratio Lower Upper
104 100
78 50.3 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 195.951 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampled :

VSTD200405

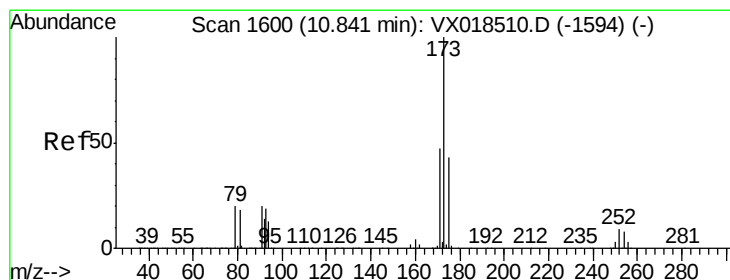
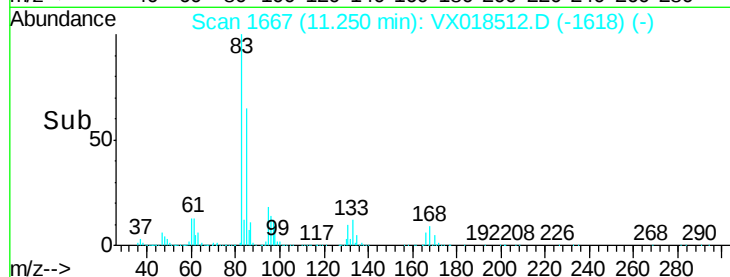
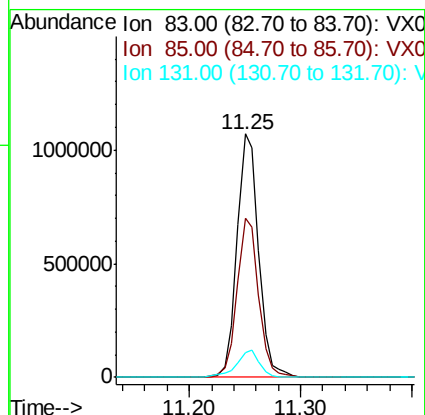
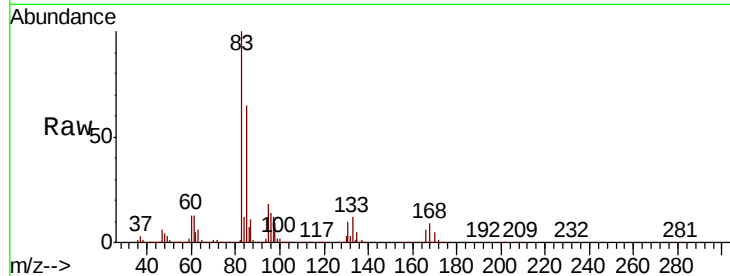
Tot Ion: 83 Resp: 1430988

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8

131 10.3 8.0 12.0



#59

Bromoform

Concen: 196.545 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

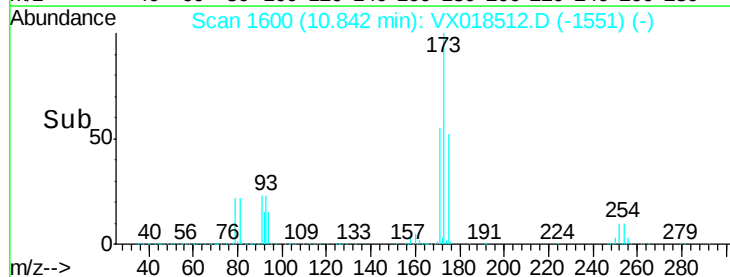
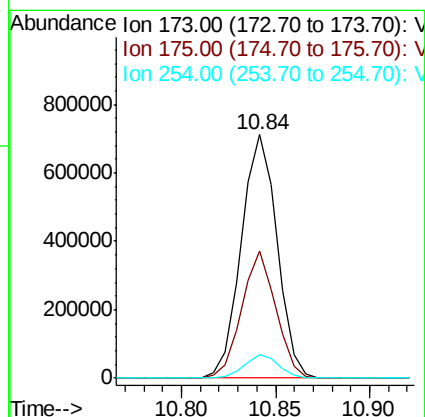
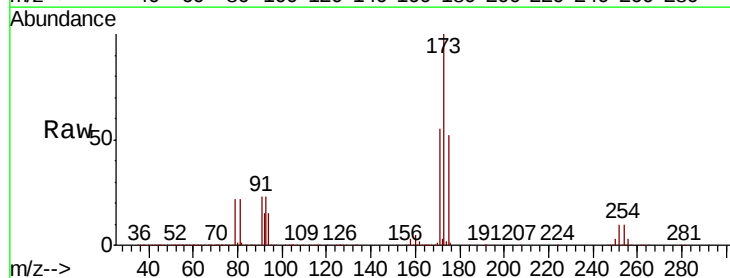
Tgt Ion:173 Resp: 937068

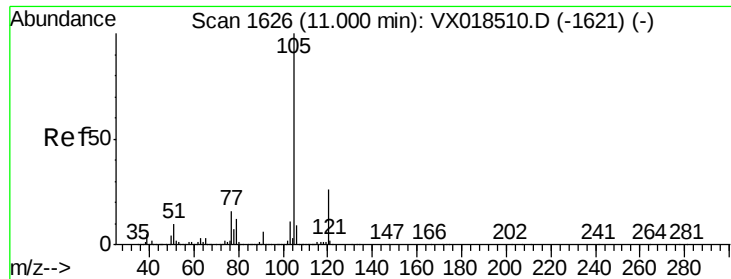
Ion Ratio Lower Upper

173 100

175 49.7 37.7 56.5

254 9.4 7.2 10.8





#60

Isopropylbenzene

Concen: 194.412 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

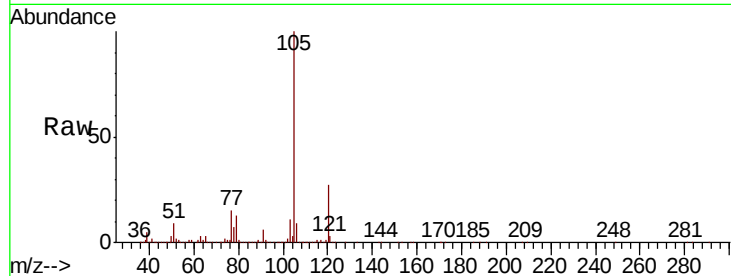
MSVOA_X

ClientSampleId :

VSTD200405

Tot Ion:105 Resp: 4568572

Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.8	32.8
77	16.1	12.7	19.1

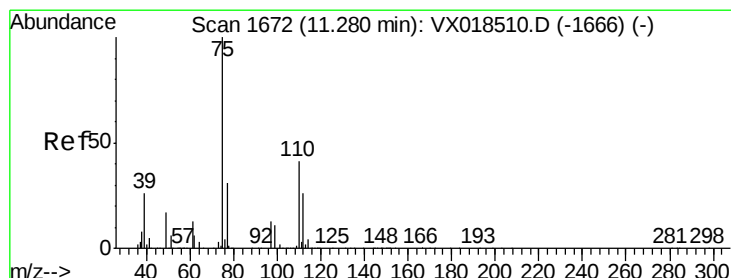
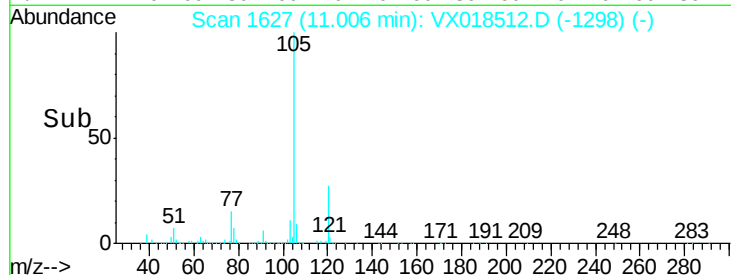
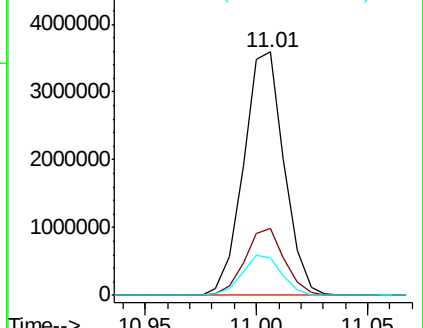


Abundance

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



#61

1,2,3-Trichloropropane

Concen: 193.744 ug/L

RT: 11.28 min Scan# 1672

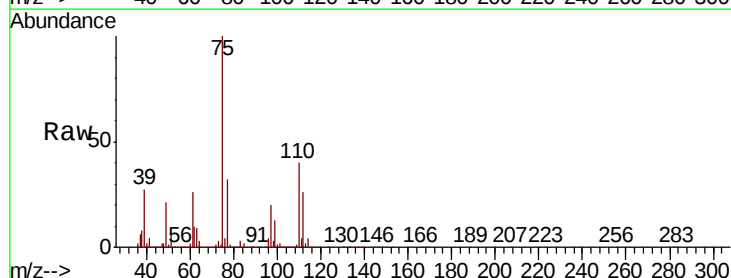
Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Tgt Ion: 75 Resp: 1214488

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.0	39.0
110	39.9	32.4	48.6

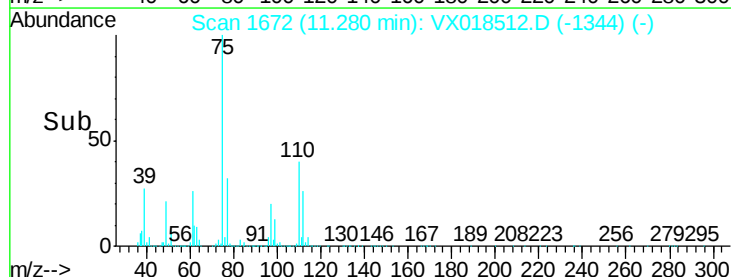
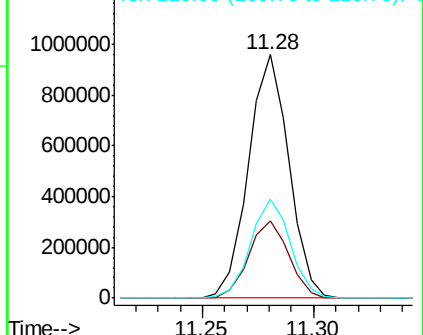


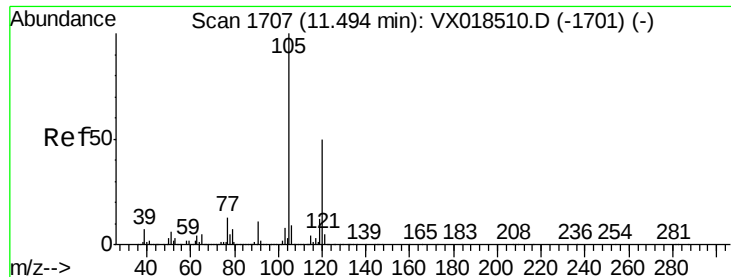
Abundance

Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 202.770 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

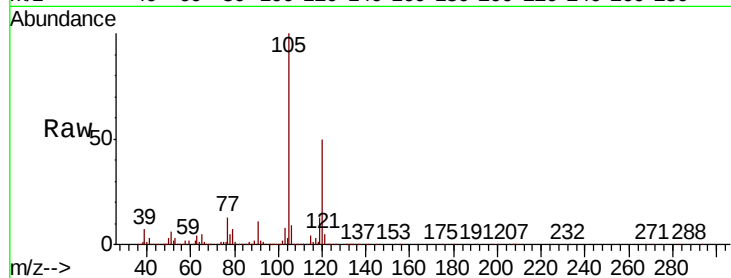
VSTD200405

Tot Ion:105 Resp: 3951162

Ion Ratio Lower Upper

105 100

120 49.0 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

3000000

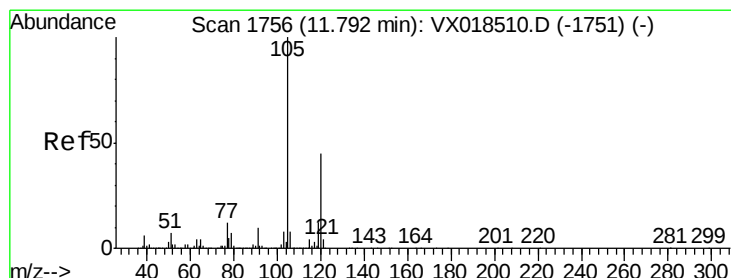
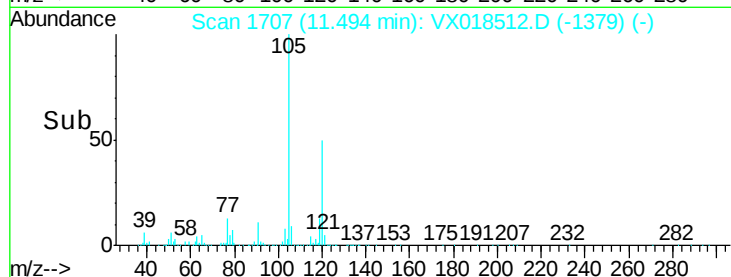
2000000

1000000

0

Time-->

11.45 11.50



#63

1,2,4-Trimethylbenzene

Concen: 201.454 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018512.D

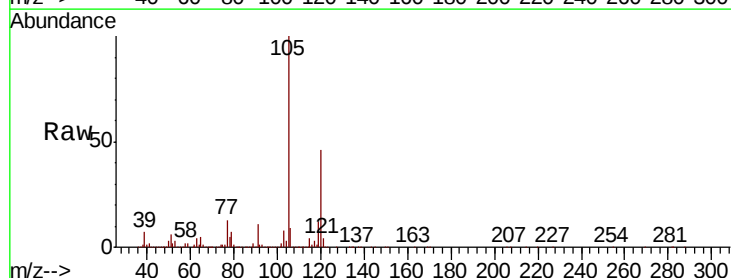
Acq: 21 Sep 2020 13:32

Tgt Ion:105 Resp: 4031417

Ion Ratio Lower Upper

105 100

120 45.7 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

3000000

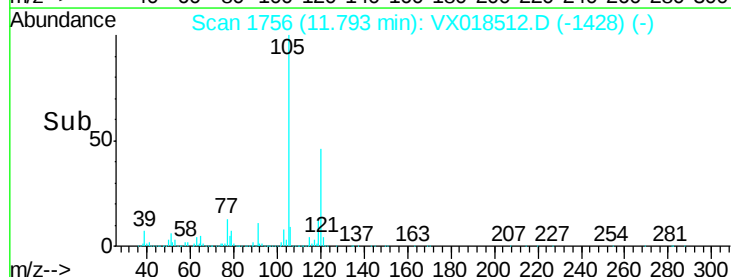
2000000

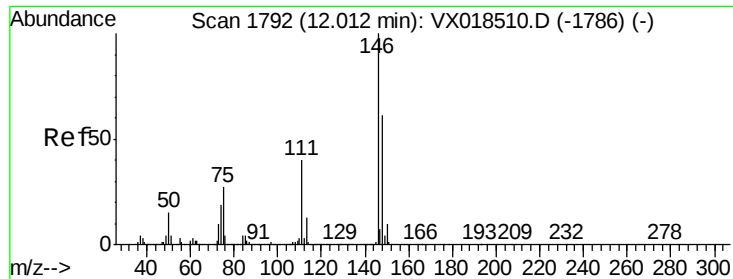
1000000

0

Time-->

11.75 11.80

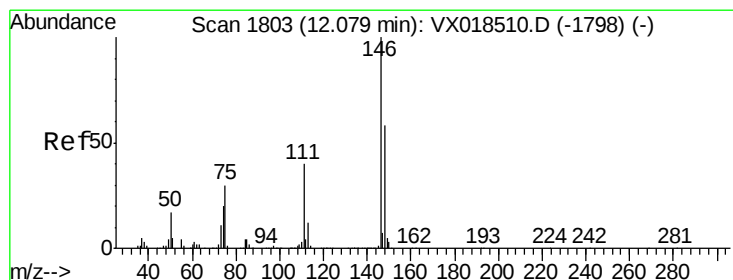
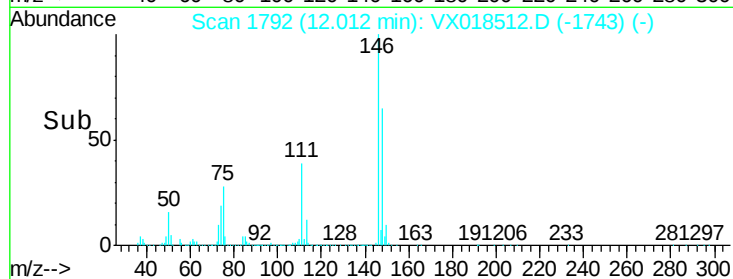
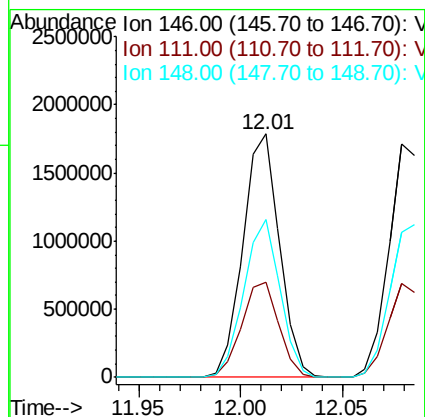
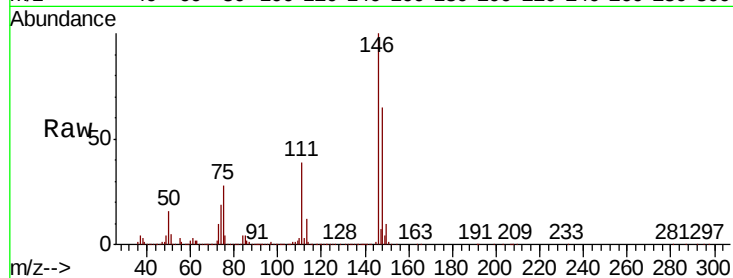




#64
1,3-Dichlorobenzene
Concen: 198.291 ug/L
RT: 12.01 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

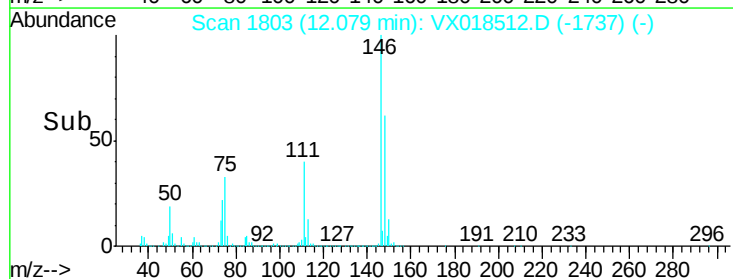
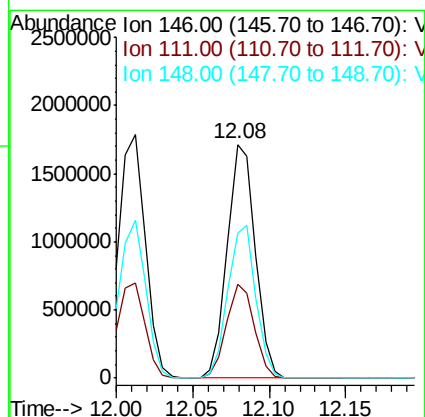
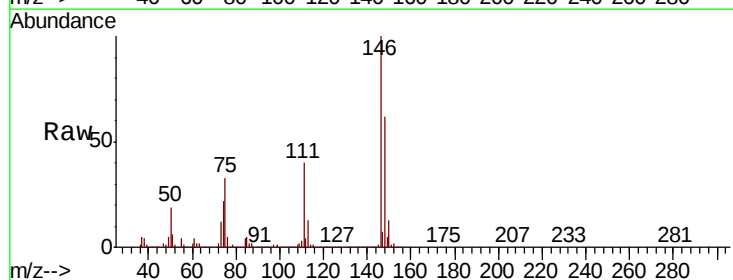
Instrument :
MSVOA_X
ClientSampleId :
VSTD200405

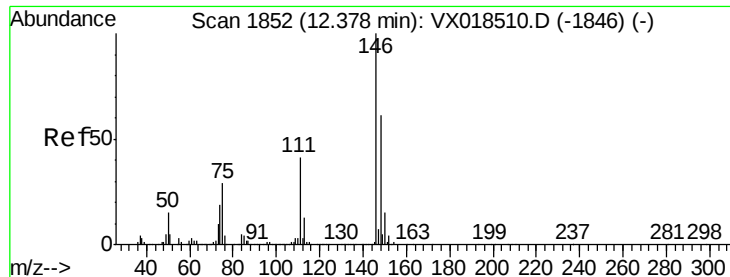
Tot Ion:146 Resp: 2225081
Ion Ratio Lower Upper
146 100
111 39.0 27.8 51.6
148 65.1 42.6 79.2



#65
1,4-Dichlorobenzene
Concen: 191.530 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX018512.D
Acq: 21 Sep 2020 13:32

Tgt Ion:146 Resp: 2179471
Ion Ratio Lower Upper
146 100
111 40.1 27.9 51.7
148 62.1 40.5 75.3

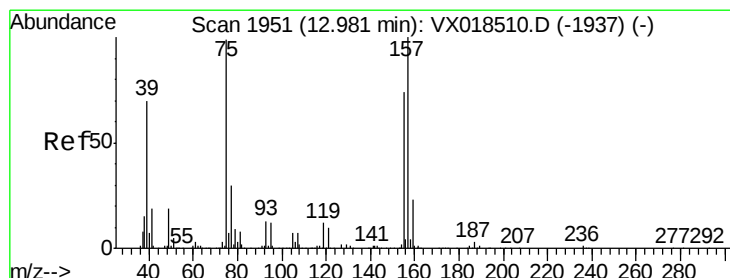
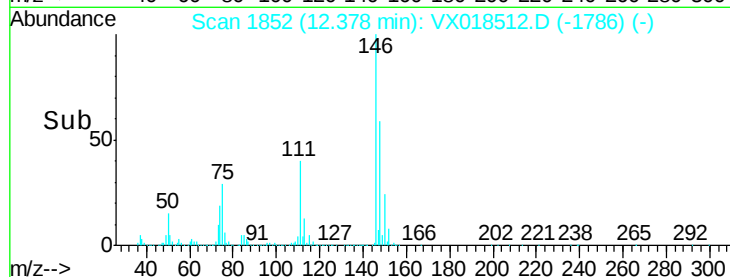
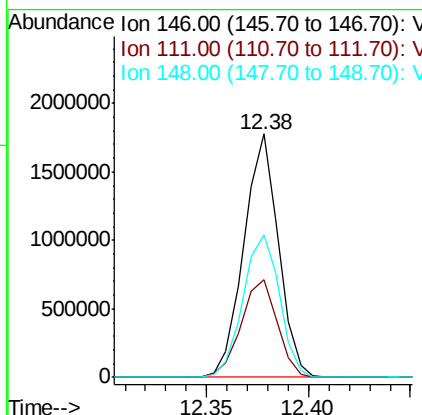
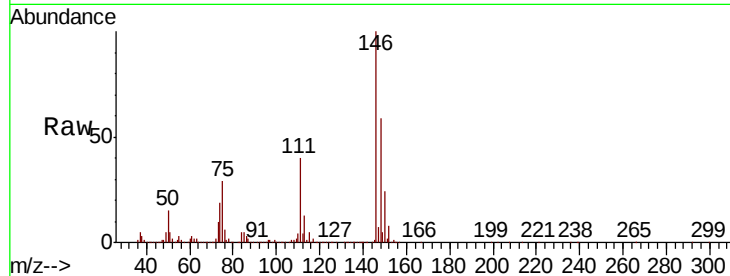




#67
 1,2-Dichlorobenzene
 Concen: 192.791 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

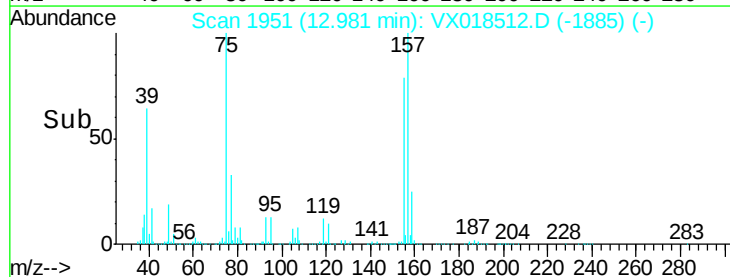
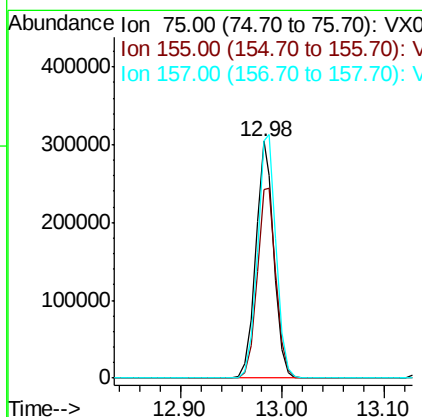
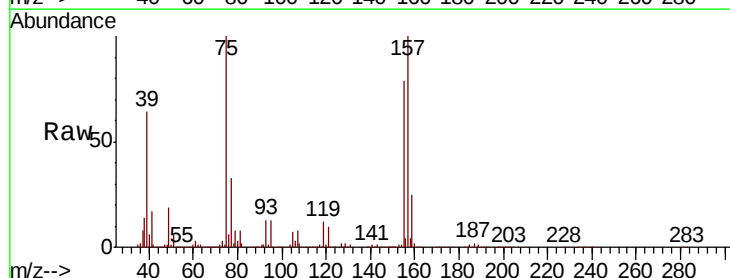
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200405

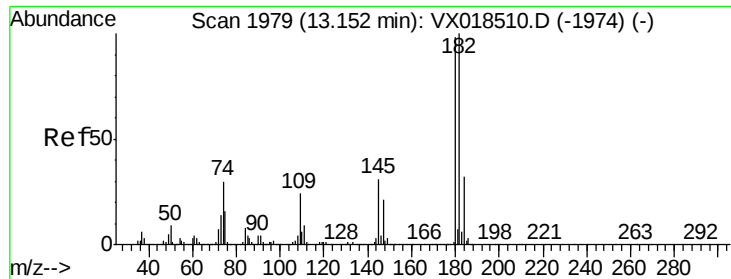
Tot Ion:146 Resp: 2095924
 Ion Ratio Lower Upper
 146 100
 111 40.3 33.1 49.7
 148 58.7 48.4 72.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 202.101 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

Tgt Ion: 75 Resp: 378484
 Ion Ratio Lower Upper
 75 100
 155 79.3 59.4 89.0
 157 99.9 80.7 121.1

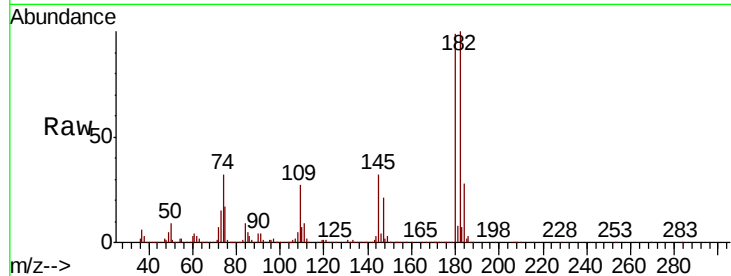




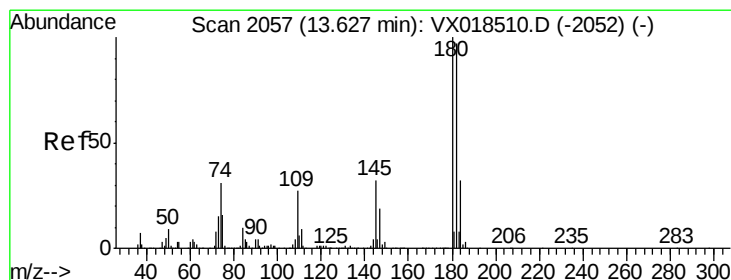
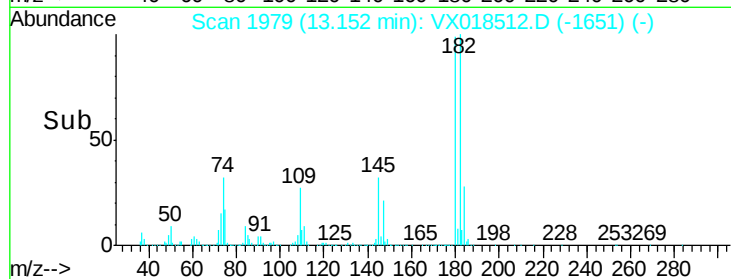
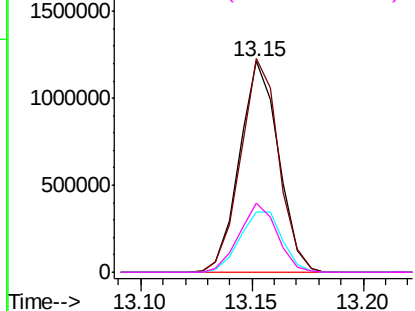
#69
 1,3,5-Trichlorobenzene
 Concen: 204.492 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200405

Tot Ion:180	Resp: 1480062
Ion Ratio	Lower Upper
180 100	
182 98.8	82.5 123.7
184 31.3	25.4 38.2
145 31.7	26.2 39.2

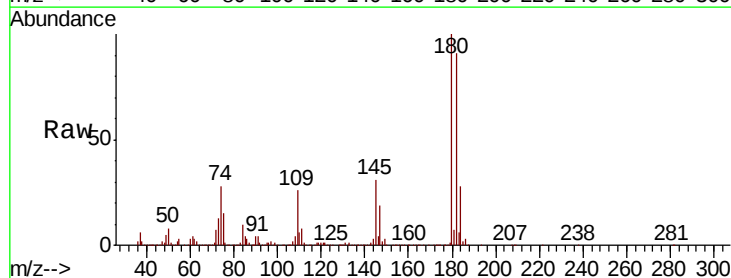


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

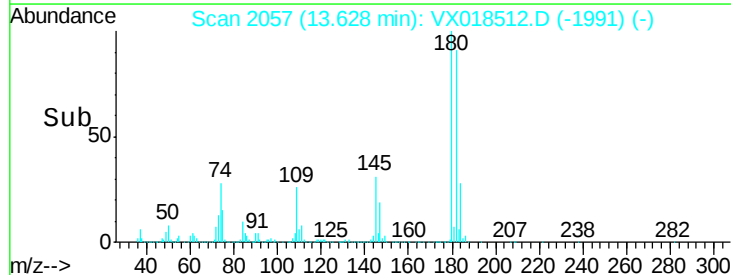
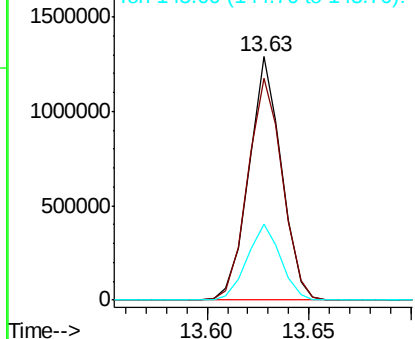


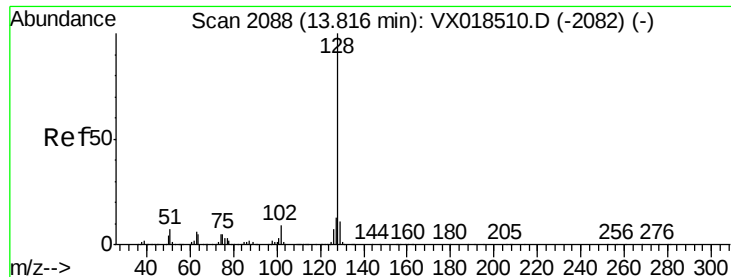
#70
 1,2,4-trichlorobenzene
 Concen: 216.777 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018512.D
 Acq: 21 Sep 2020 13:32

Tgt Ion:180	Resp: 1432279
Ion Ratio	Lower Upper
180 100	
182 96.5	78.6 118.0
145 32.4	27.0 40.4



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





#71

Naphthalene

Concen: 208.171 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD200405

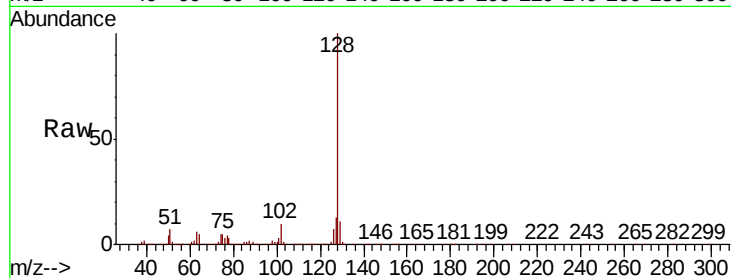
Tot Ion:128 Resp: 4670171

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

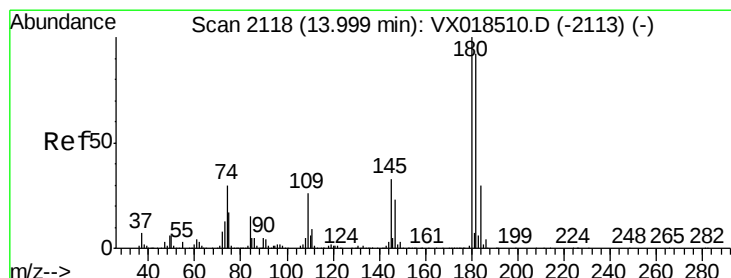
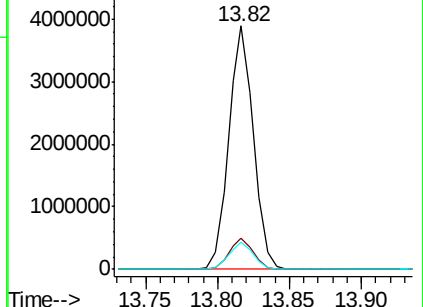
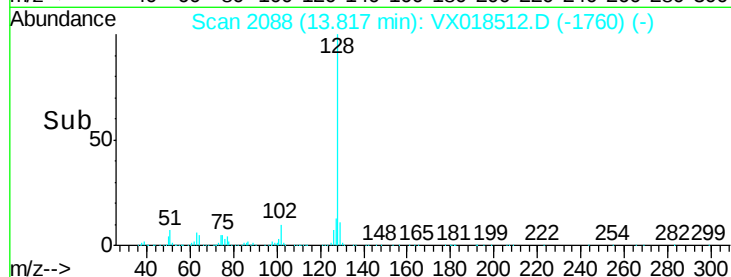
129 10.9 8.8 13.2



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



#72

1,2,3-Trichlorobenzene

Concen: 197.761 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018512.D

Acq: 21 Sep 2020 13:32

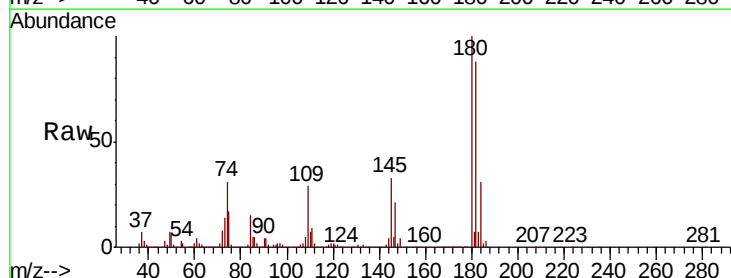
Tgt Ion:180 Resp: 1392118

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 34.3 27.1 40.7



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

