

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018511.D
 Acq On : 21 Sep 2020 13:09
 Operator : JC/SP
 Sample : VSTD100404
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

Quant Time: Sep 22 01:06:51 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	665599	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	633512	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	324384	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	453737	99.74	ug/L	0.00
7) Chloroethane-d5	1.69	69	338161	99.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	920105	98.15	ug/L	0.00
21) 2-Butanone-d5	4.53	46	630868	201.96	ug/L	0.00
24) Chloroform-d	5.15	84	886975	99.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	624883	95.45	ug/L	0.00
32) Benzene-d6	6.05	84	1688358	96.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	529083	98.69	ug/L	0.00
41) Toluene-d8	8.70	98	1658888	99.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	308504	98.87	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	471225	199.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	719641	100.51	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	668150	103.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	578301	101.057 ug/L	98
3) Chloromethane	1.31	50	440004	101.998 ug/L	100
5) Vinyl chloride	1.39	62	493618	101.059 ug/L	99
6) Bromomethane	1.63	94	287544	112.696 ug/L	91
8) Chloroethane	1.71	64	279234	95.828 ug/L	99
9) Trichlorofluoromethane	1.92	101	811093	97.925 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	438829	97.046 ug/L	100
12) 1,1-Dichloroethene	2.36	96	423745	99.383 ug/L	94
13) Acetone	2.42	43	429950	201.100 ug/L	99
14) Carbon disulfide	2.55	76	1287643	98.465 ug/L	100
15) Methyl Acetate	2.75	43	479276	102.811 ug/L #	90
16) Methylene chloride	2.84	84	450918	97.987 ug/L	98
17) trans-1,2-Dichloroethene	3.14	96	437407	98.627 ug/L	91
18) Methyl tert-butyl Ether	3.17	73	1469304	99.920 ug/L	100
19) 1,1-Dichloroethane	3.67	63	825421	99.060 ug/L	100
22) 2-Butanone	4.64	43	691379	205.318 ug/L	100
23) Bromochloromethane	4.98	128	261855	96.293 ug/L	96
25) Chloroform	5.18	83	907068	96.779 ug/L	98
27) 1,2-Dichloroethane	6.16	62	739122	97.897 ug/L	99
29) Cyclohexane	5.55	56	731259	102.131 ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	848717	98.617 ug/L	99
31) Carbon tetrachloride	5.76	117	788528	100.115 ug/L	100
33) Benzene	6.12	78	1806431	98.738 ug/L	100
34) Trichloroethene	7.19	95	500672	100.275 ug/L	99
35) Methylcyclohexane	7.44	83	743383	99.093 ug/L	99
37) 1,2-Dichloropropane	7.49	63	478447	101.025 ug/L	100
38) Bromodichloromethane	7.88	83	694735	100.887 ug/L	96
39) cis-1,3-Dichloropropene	8.42	75	793508	100.960 ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	1340472	203.315 ug/L	99
42) Toluene	8.77	91	1984898	98.853 ug/L	97

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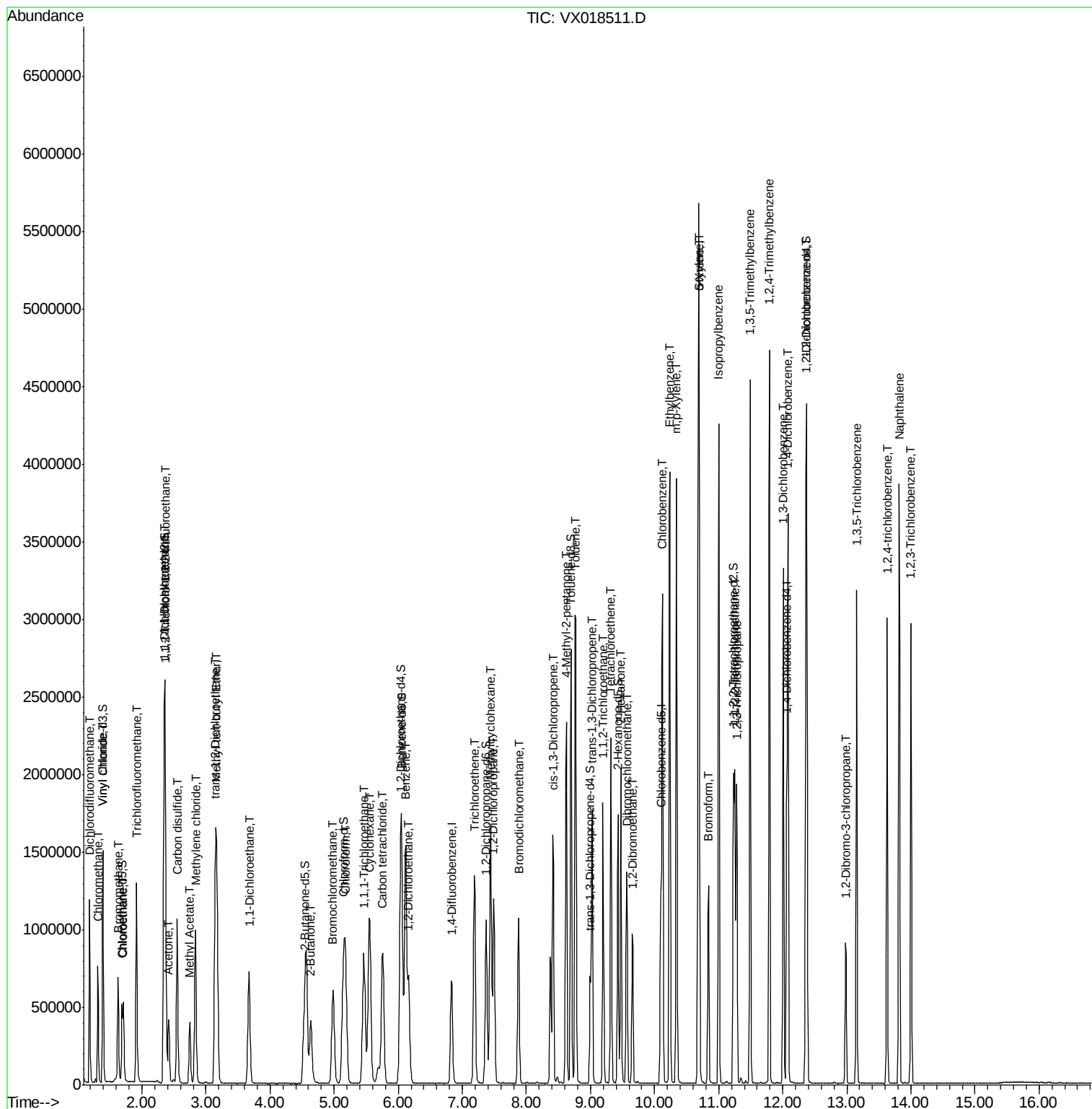
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	9.02	75	816642	103.032	ug/L	95
45) 1,1,2-Trichloroethane	9.20	97	462421	97.580	ug/L	98
46) Tetrachloroethene	9.32	164	418156	100.611	ug/L	97
48) 2-Hexanone	9.48	43	1055932	205.998	ug/L	98
49) Dibromochloromethane	9.57	129	594400	100.744	ug/L	99
50) 1,2-Dibromoethane	9.65	107	513652	100.156	ug/L	99
51) Chlorobenzene	10.12	112	1312150	98.751	ug/L	99
52) Ethylbenzene	10.24	91	2262952	101.858	ug/L	98
53) m,p-Xylene	10.34	106	862813	99.581	ug/L	99
54) o-Xylene	10.68	106	829981	98.923	ug/L	100
55) Styrene	10.70	104	1452215	101.370	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	713458	99.378	ug/L	100
59) Bromoform	10.84	173	463282	106.039	ug/L	98
60) Isopropylbenzene	11.01	105	2229134	103.516	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	601717	104.751	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	1928424	107.997	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	1960431	106.905	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	1078521	104.885	ug/L	99
65) 1,4-Dichlorobenzene	12.08	146	1096720	105.174	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	1050043	105.402	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	188607	109.902	ug/L	92
69) 1,3,5-Trichlorobenzene	13.15	180	736306	111.015	ug/L	95
70) 1,2,4-trichlorobenzene	13.63	180	673218	111.191	ug/L	99
71) Naphthalene	13.82	128	2270491	110.443	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	677076	104.962	ug/L	99

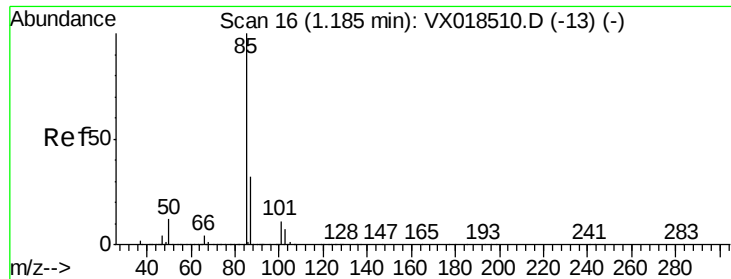
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#2

Dichlorodifluoromethane

Concen: 101.057 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

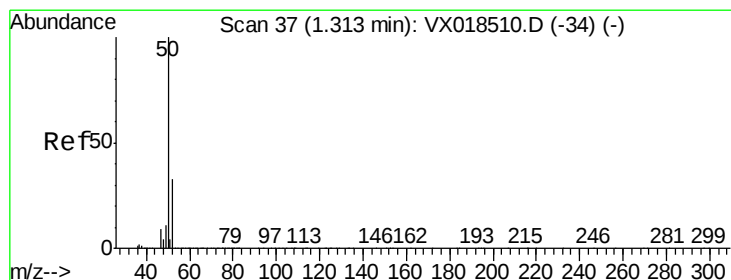
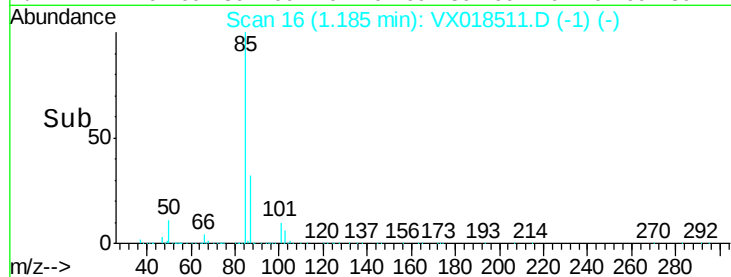
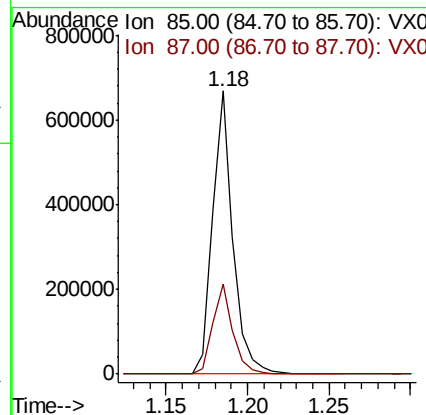
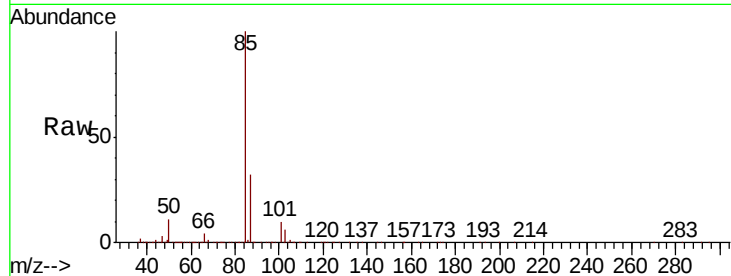
VSTD100404

Tot Ion: 85 Resp: 578301

Ion Ratio Lower Upper

85 100

87 31.7 26.2 39.4



#3

Chloromethane

Concen: 101.998 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018511.D

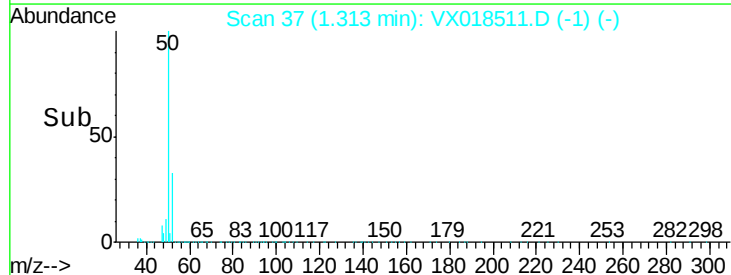
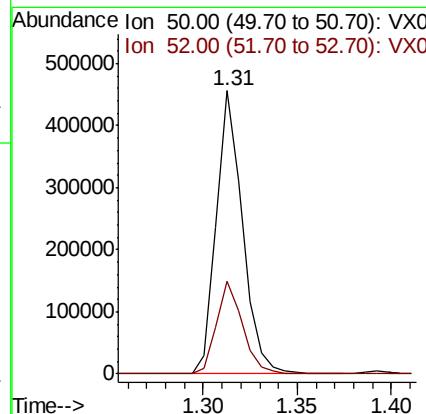
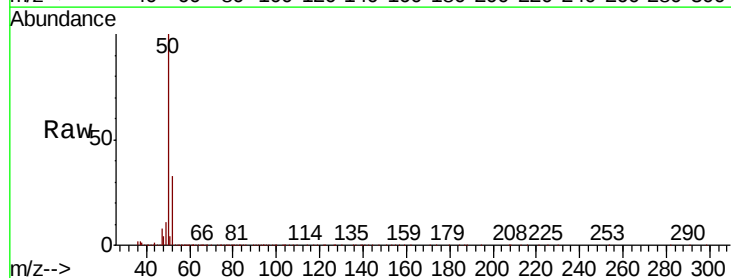
Acq: 21 Sep 2020 13:09

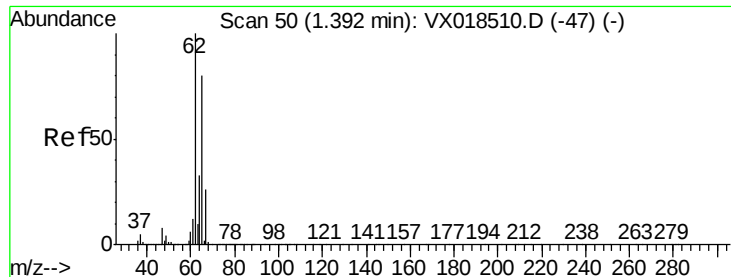
Tgt Ion: 50 Resp: 440004

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.6





#5

Vinyl chloride

Concen: 101.059 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

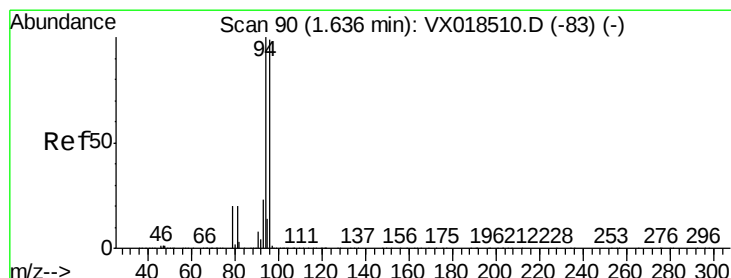
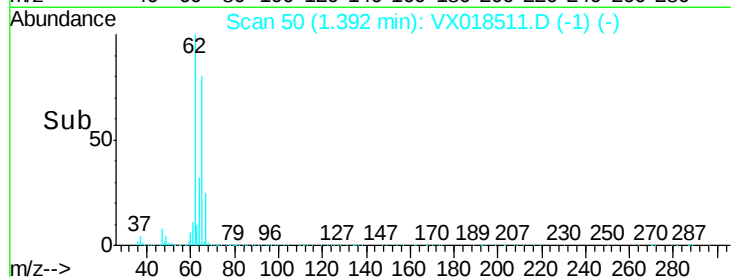
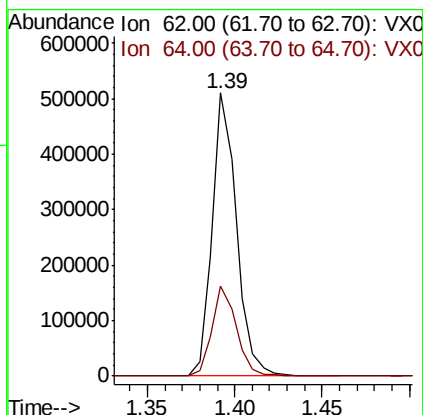
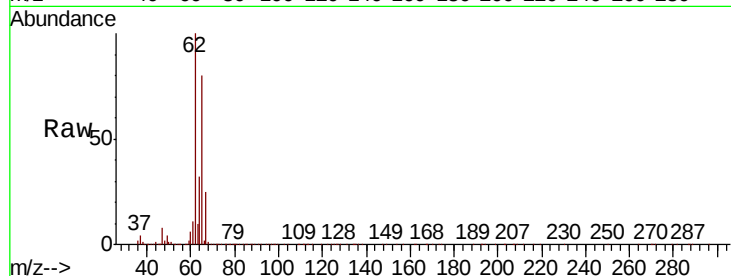
VSTD100404

Tot Ion: 62 Resp: 493618

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#6

Bromomethane

Concen: 112.696 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX018511.D

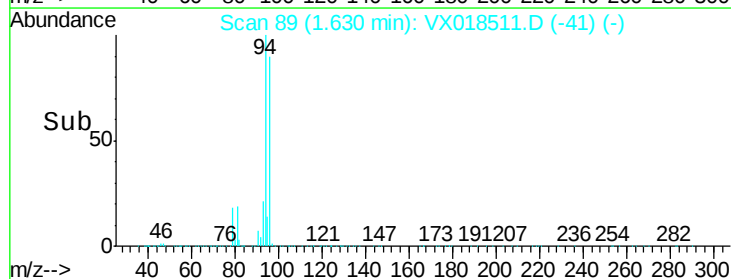
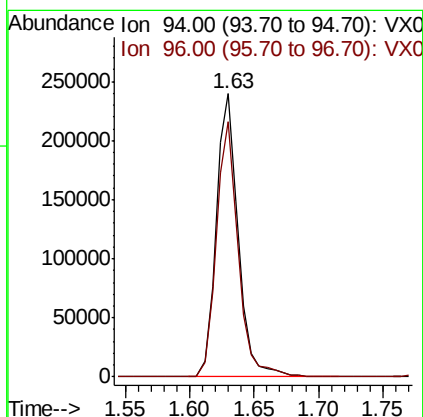
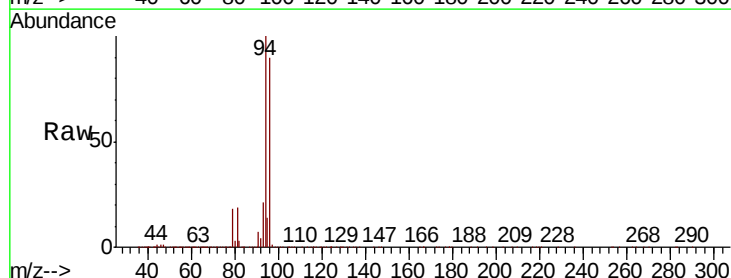
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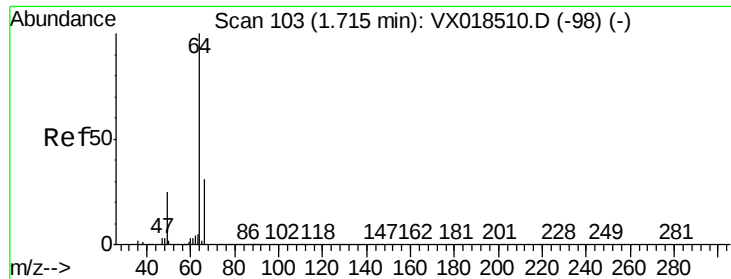
Tgt Ion: 94 Resp: 287544

Ion Ratio Lower Upper

94 100

96 90.0 69.2 128.4

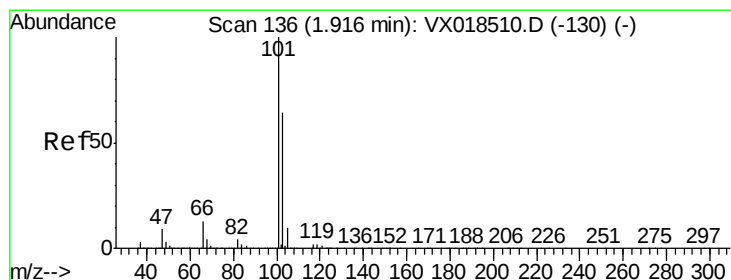
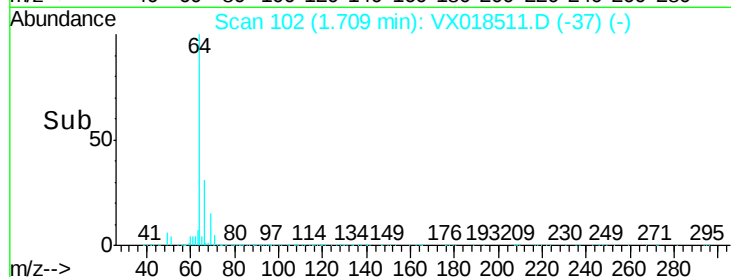
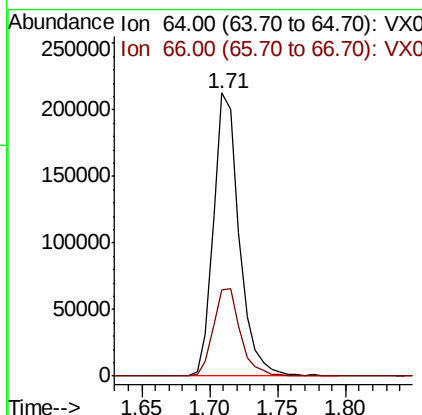
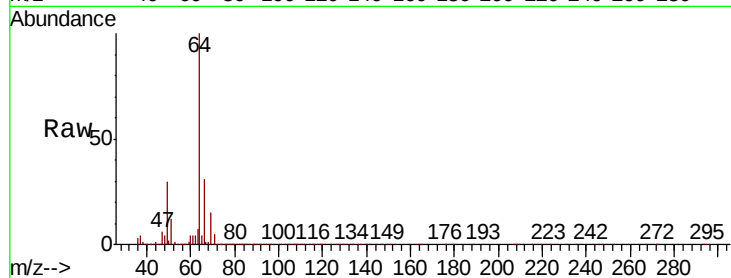




#8
Chloroethane
Concen: 95.828 ug/L
RT: 1.71 min Scan# 102
Delta R.T. -0.01 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

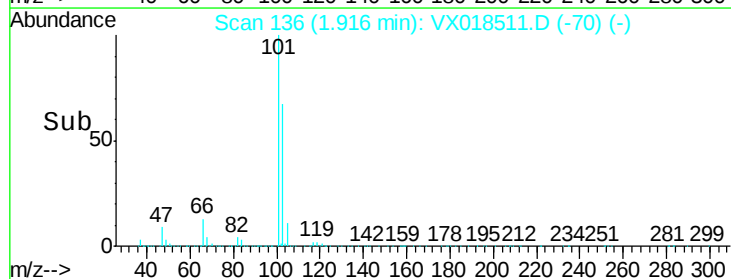
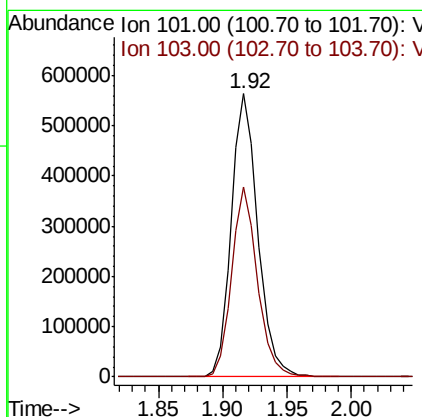
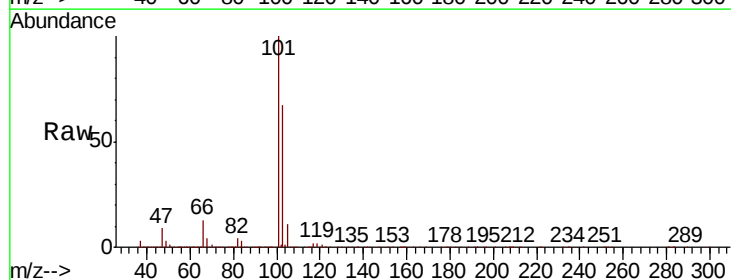
Instrument :
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ClientSampleId :
VSTD100404

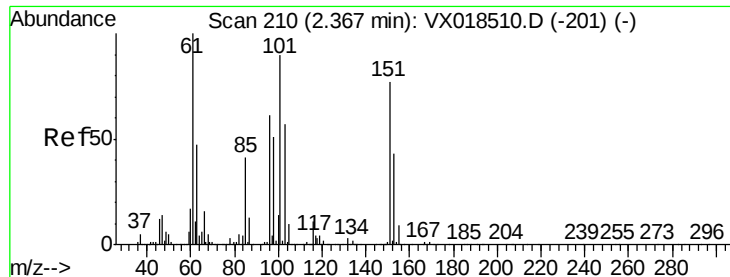
Tot Ion: 64 Resp: 279234
Ion Ratio Lower Upper
64 100
66 30.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 97.925 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

Tgt Ion: 101 Resp: 811093
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





#10

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

Concen: 97.046 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100404

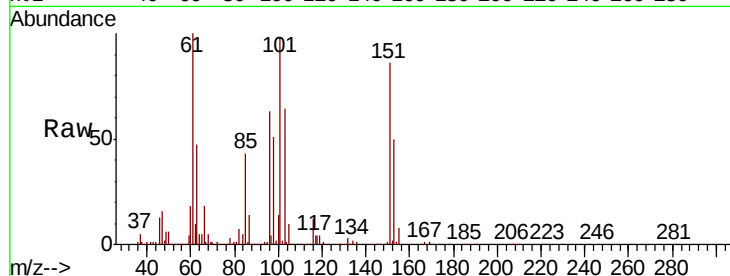
Tot Ion:101 Resp: 438829

Ion Ratio Lower Upper

101 100

85 44.2 34.9 52.3

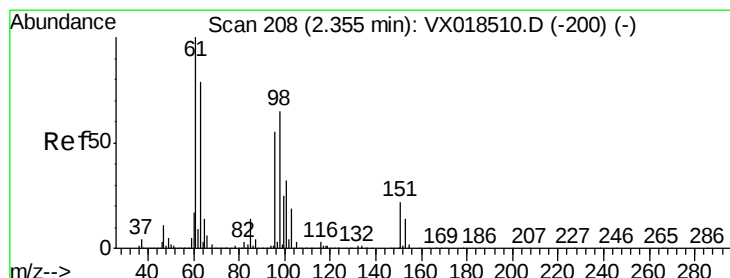
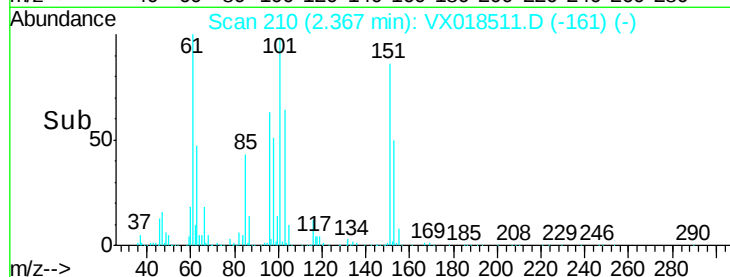
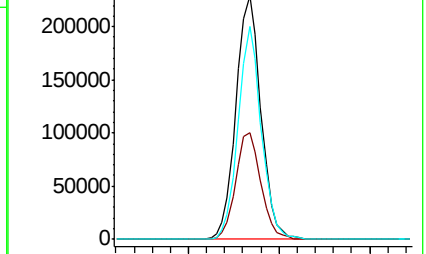
151 81.1 65.0 97.4



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: 99.383 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

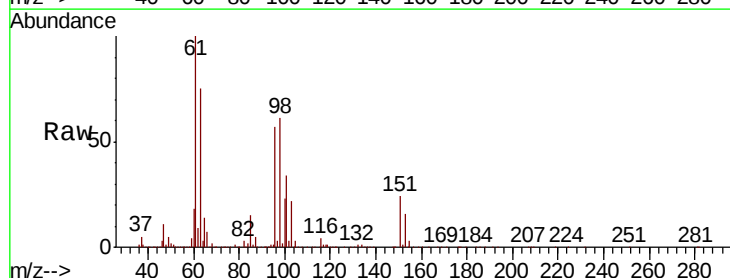
Tgt Ion: 96 Resp: 423745

Ion Ratio Lower Upper

96 100

61 176.9 126.8 235.6

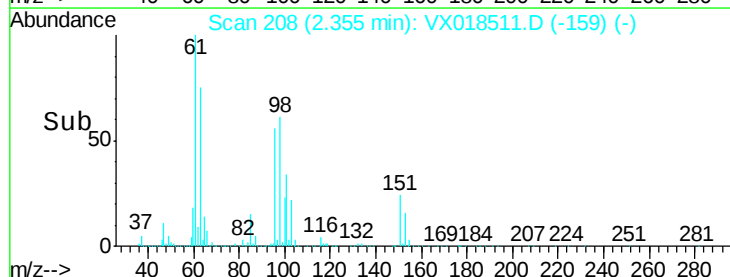
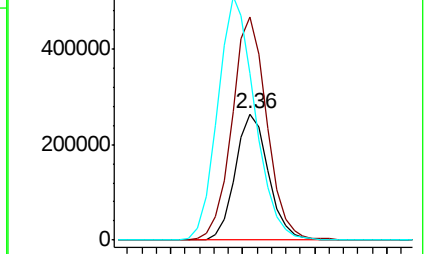
63 132.1 100.3 186.3

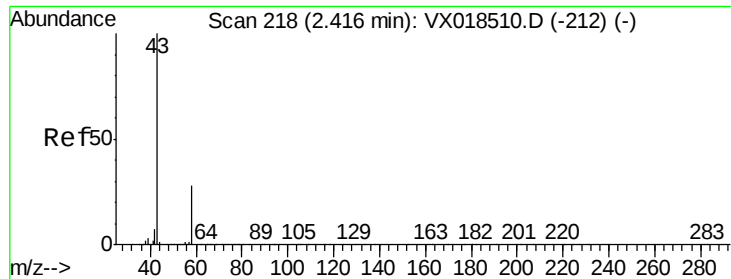


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 201.100 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018511.D

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Instrument :

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ClientSampleId :

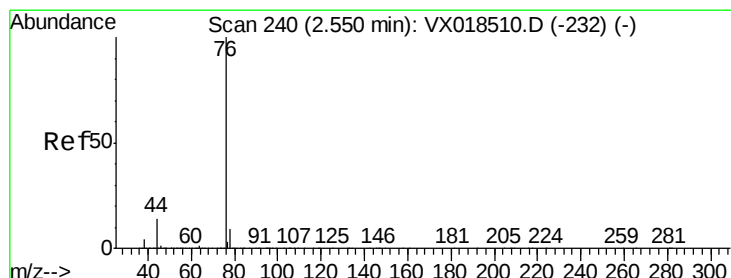
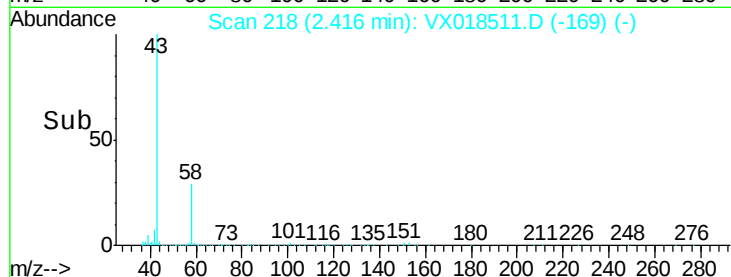
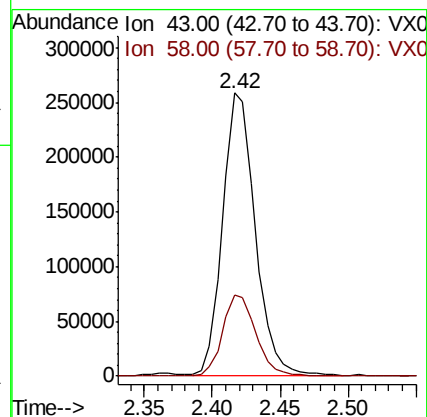
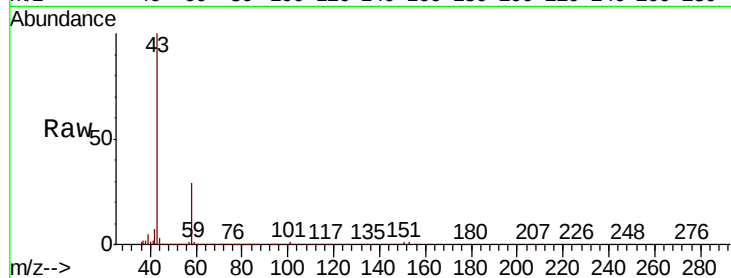
VSTD100404

Tot Ion: 43 Resp: 429950

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.6



#14

Carbon disulfide

Concen: 98.465 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018511.D

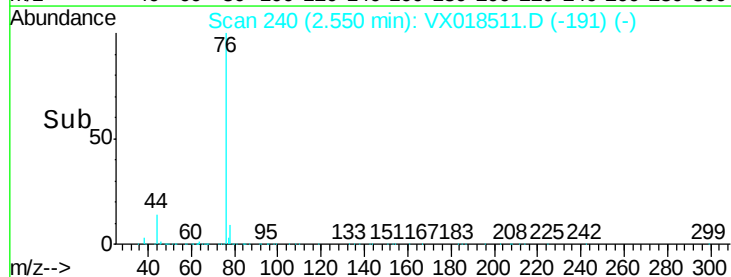
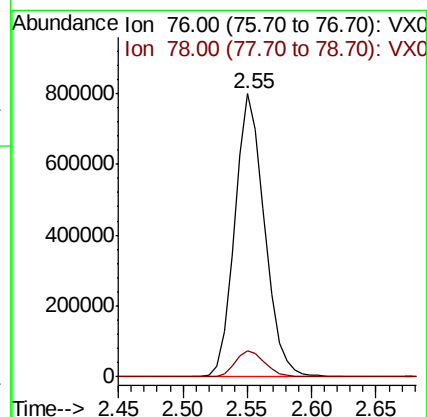
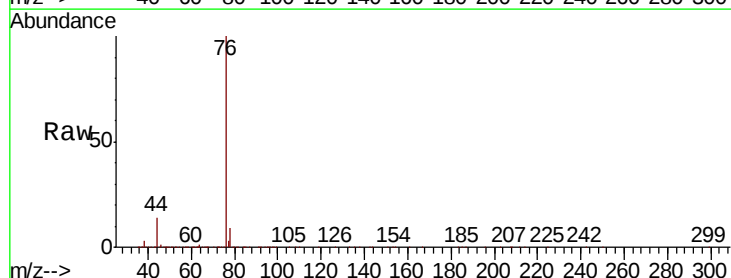
Acq: 21 Sep 2020 13:09

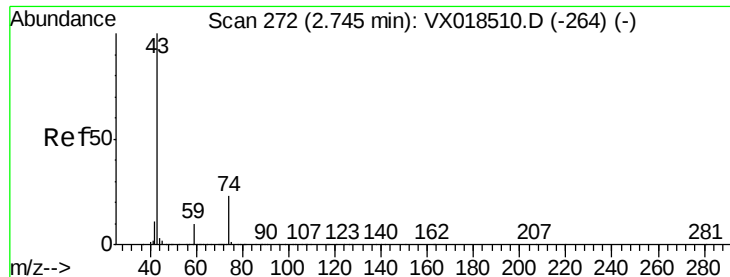
Tgt Ion: 76 Resp: 1287643

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methvl Acetate

Concen: 102.811 ug/L

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

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ClientSampleId :

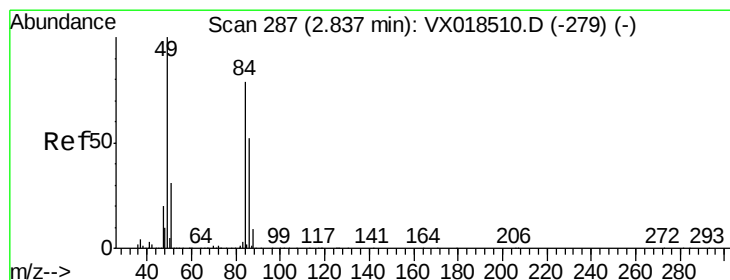
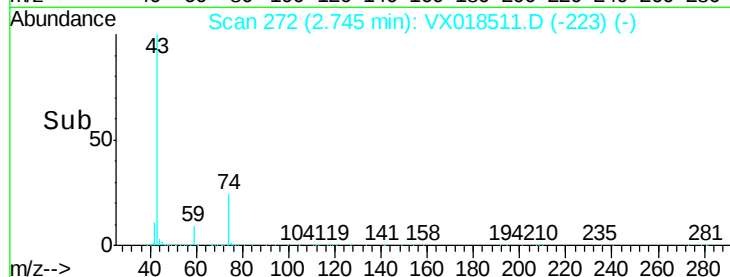
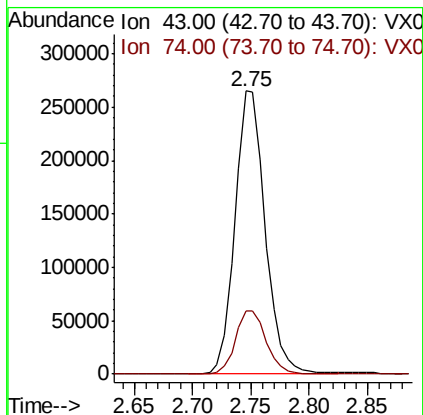
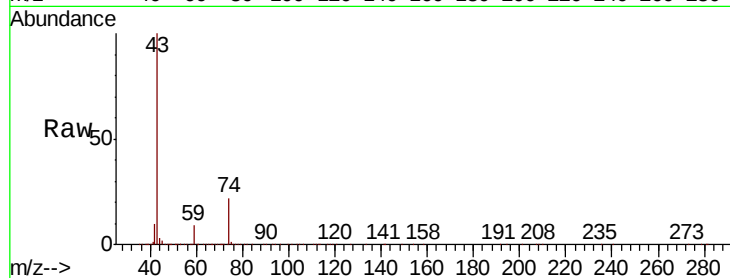
VSTD100404

Tot Ion: 43 Resp: 479276

Ion Ratio Lower Upper

43 100

74 22.7 0.1 0.1#



#16

Methylene chloride

Concen: 97.987 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

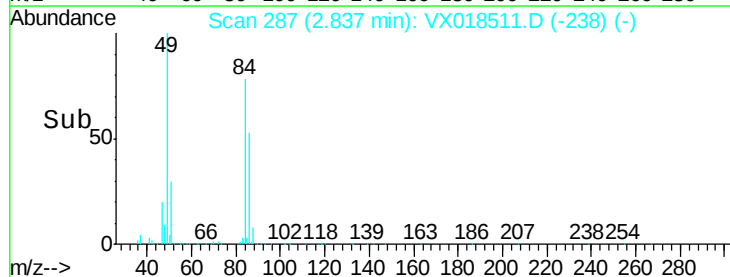
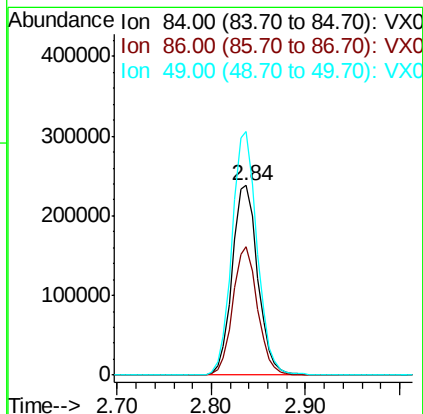
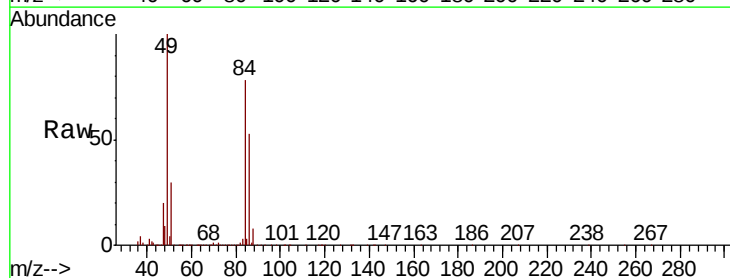
Tgt Ion: 84 Resp: 450918

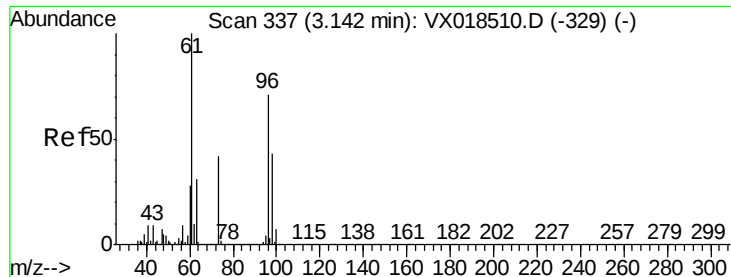
Ion Ratio Lower Upper

84 100

86 67.5 46.1 85.7

49 128.7 88.5 164.3





#17

trans-1,2-Dichloroethene

Concen: 98.627 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100404

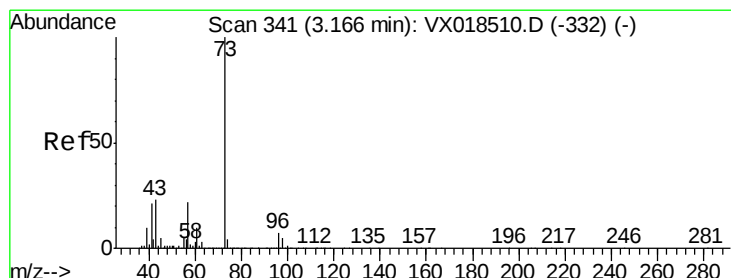
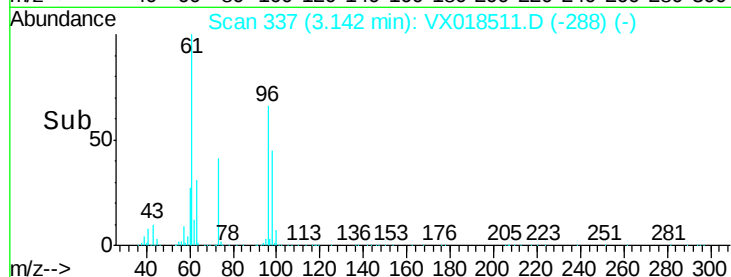
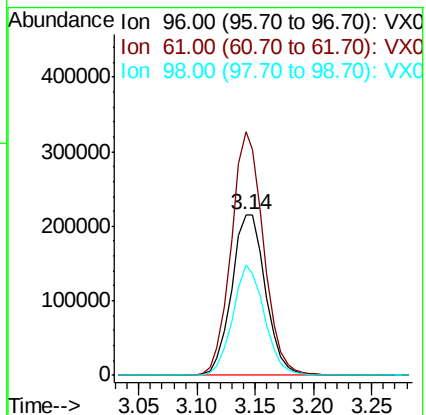
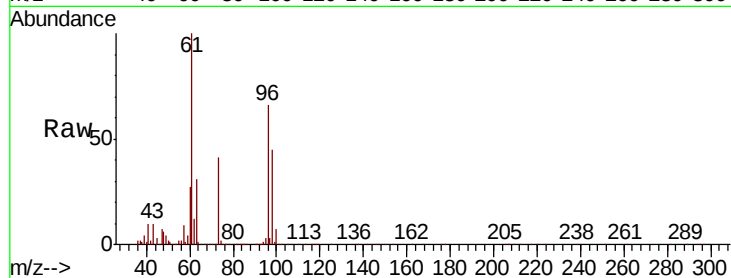
Tot Ion: 96 Resp: 437407

Ion Ratio Lower Upper

96 100

61 151.2 98.3 182.5

98 68.3 42.0 78.0



#18

Methyl tert-butyl Ether

Concen: 99.920 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

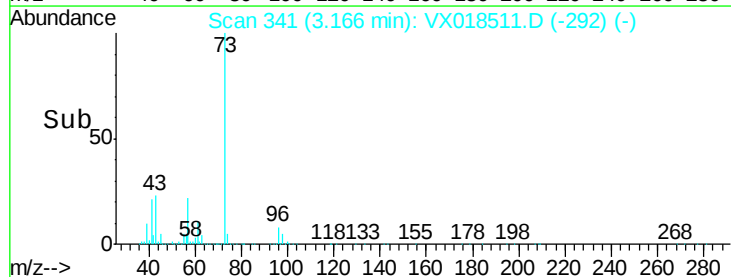
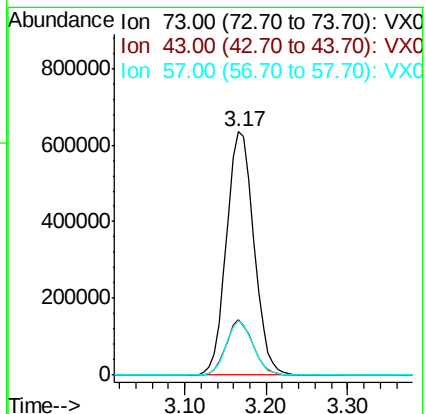
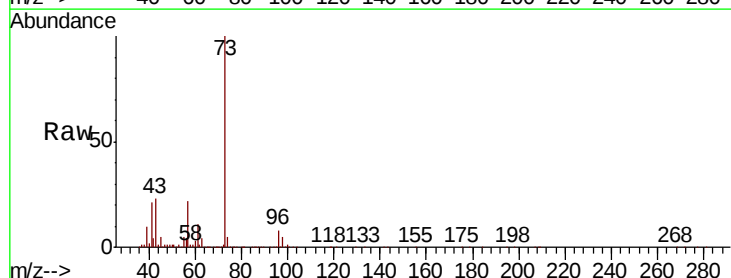
Tgt Ion: 73 Resp: 1469304

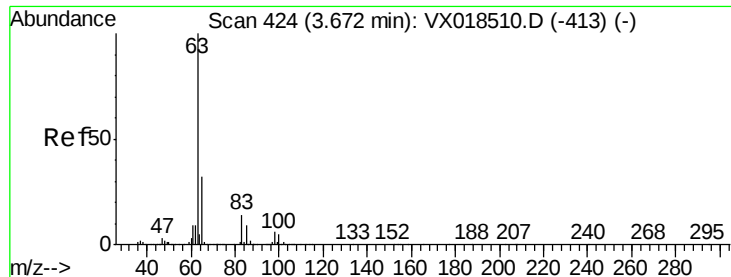
Ion Ratio Lower Upper

73 100

43 22.1 17.8 26.6

57 21.8 17.1 25.7

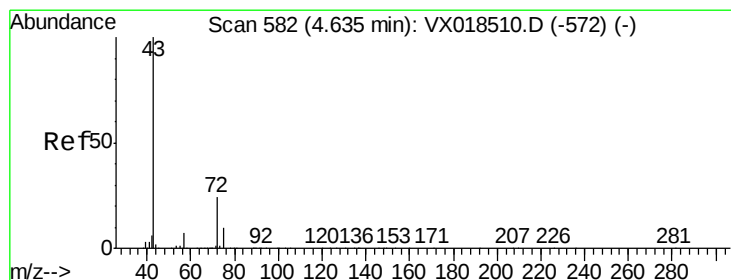
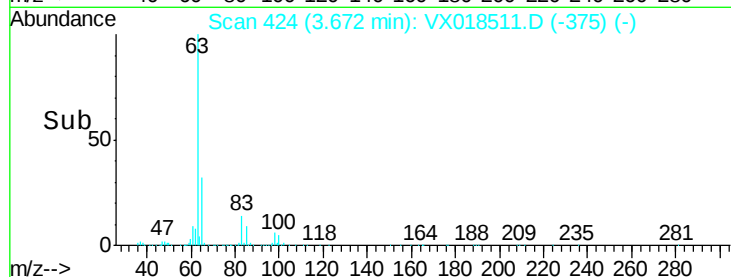
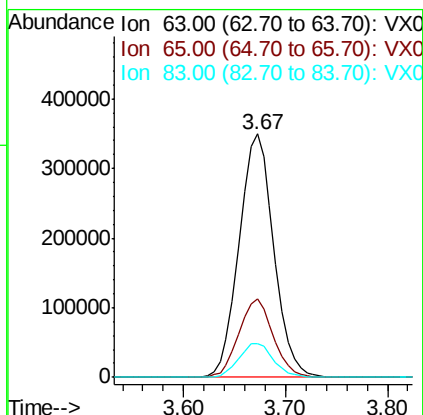
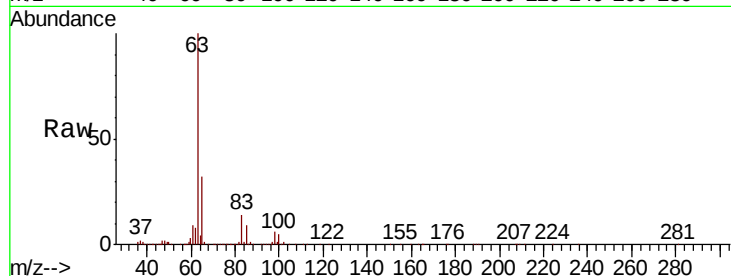




#19
 1,1-Dichloroethane
 Concen: 99.060 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

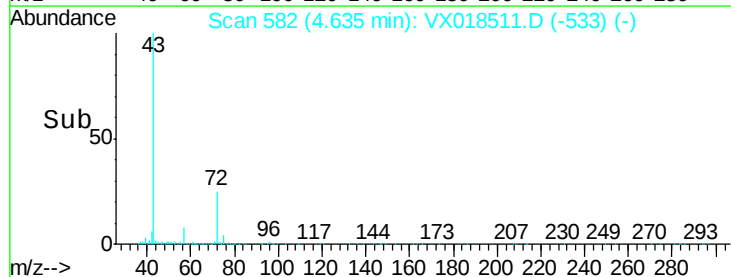
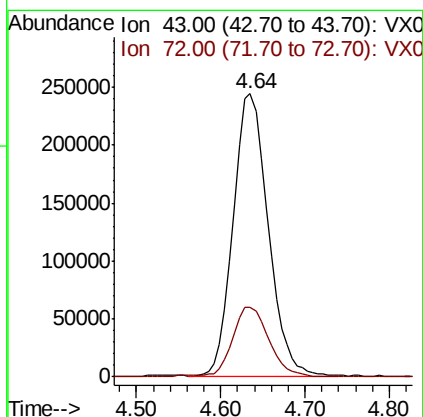
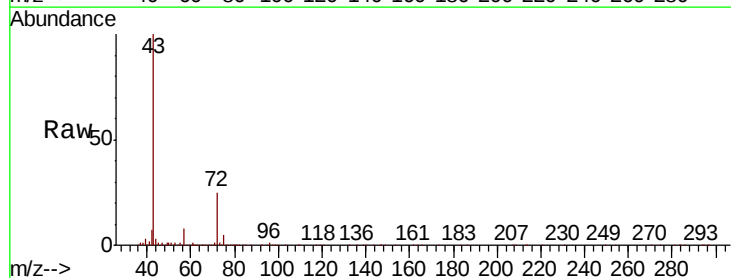
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

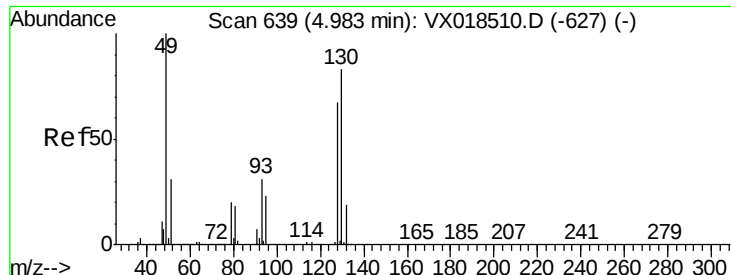
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.5	41.7
83	13.7	9.7	17.9



#22
 2-Butanone
 Concen: 205.318 ug/L
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.7	12.9	38.6

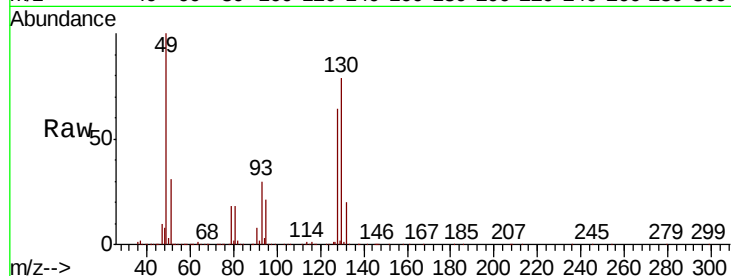




#23
Bromochloromethane
Concen: 96.293 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTD100404

Tot Ion:	128	Resp:	261855
Ion	Ratio	Lower	Upper
128	100		
49	157.4	104.9	194.7
130	123.6	86.5	160.7
51	49.6	37.0	55.6



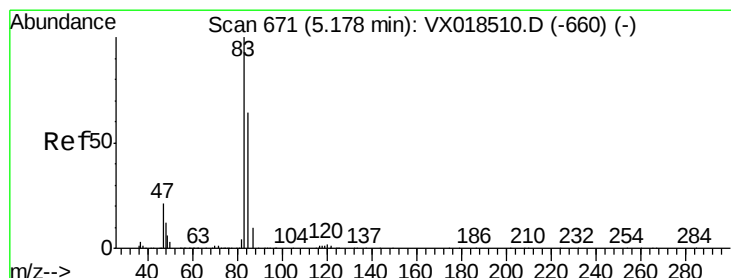
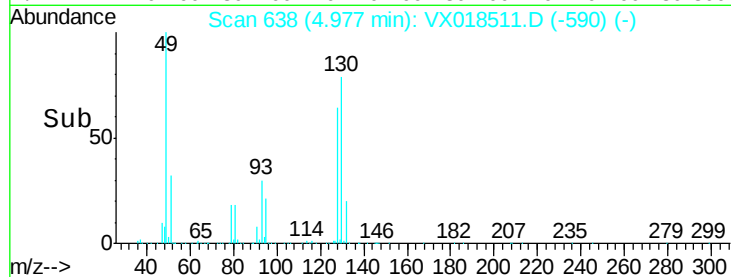
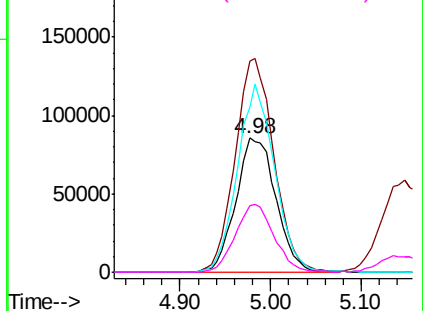
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

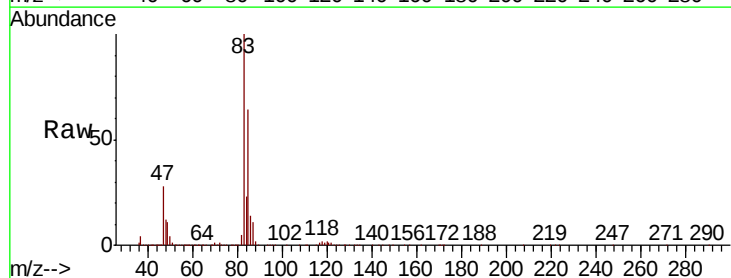
Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0



#25
Chloroform
Concen: 96.779 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

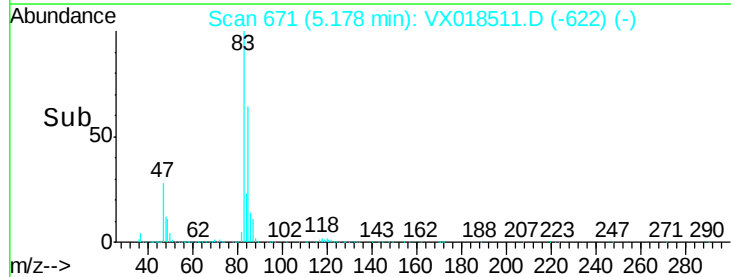
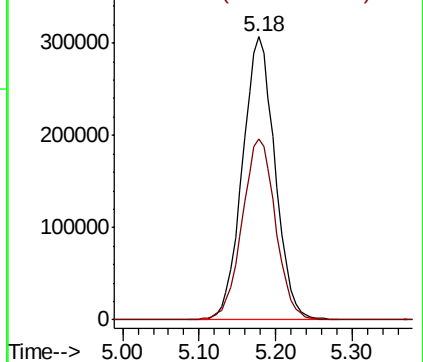
Tgt Ion:	83	Resp:	907068
Ion	Ratio	Lower	Upper
83	100		
85	63.9	45.6	84.8

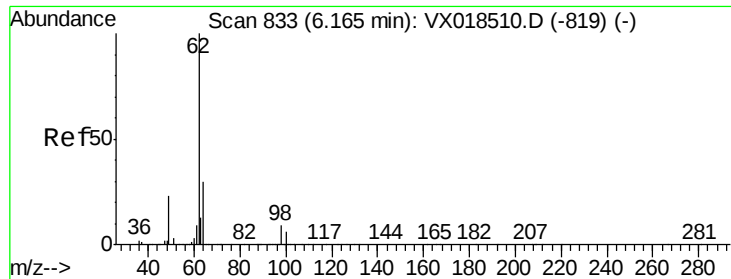


Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane

Concen: 97.897 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

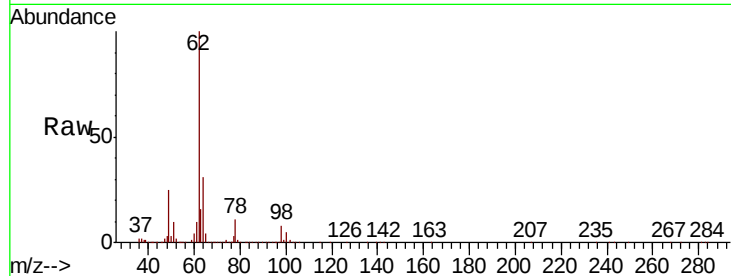
VSTD100404

Tot Ion: 62 Resp: 739122

Ion Ratio Lower Upper

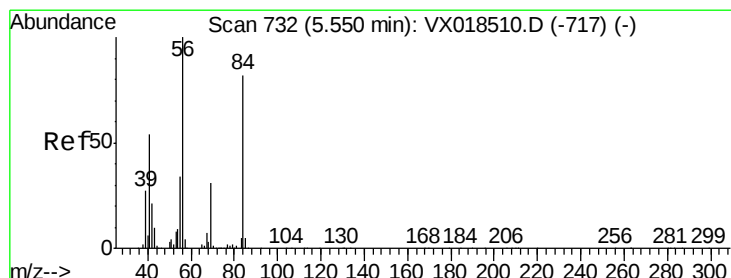
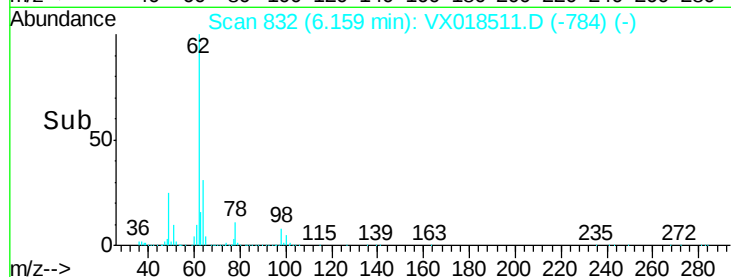
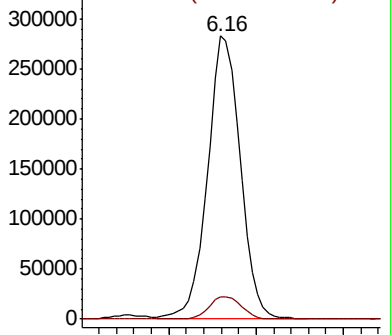
62 100

98 7.9 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#29

Cyclohexane

Concen: 102.131 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

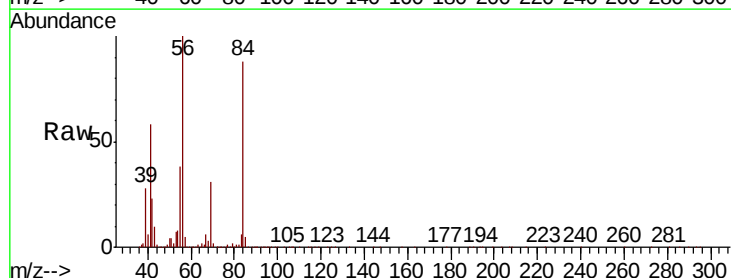
Tgt Ion: 56 Resp: 731259

Ion Ratio Lower Upper

56 100

69 31.3 25.2 37.8

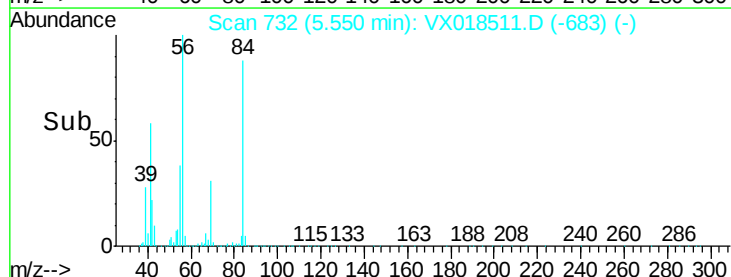
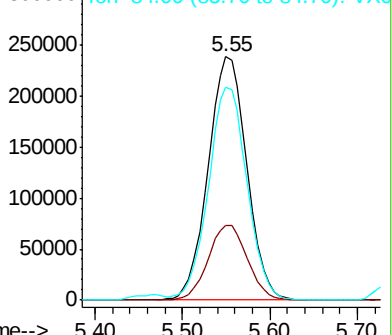
84 87.5 69.1 103.7

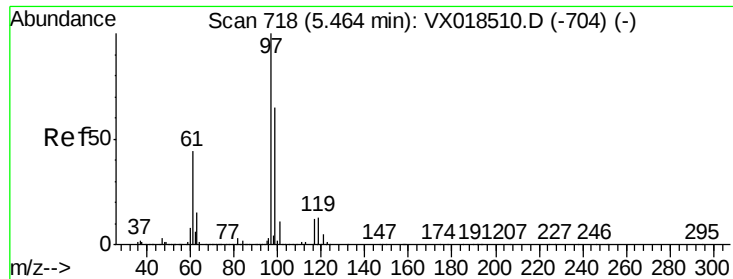


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

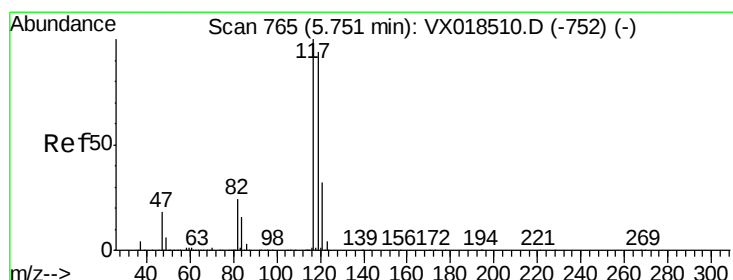
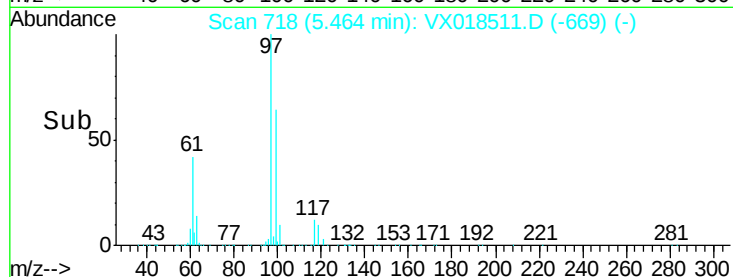
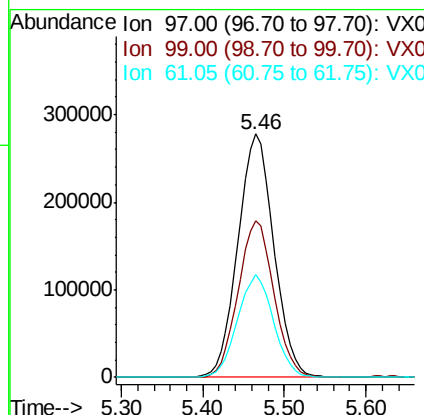
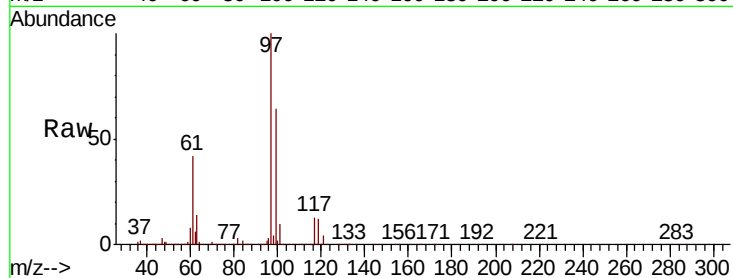




#30
 1,1,1-Trichloroethane
 Concen: 98.617 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

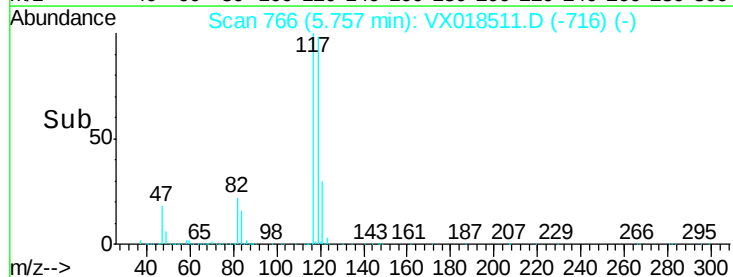
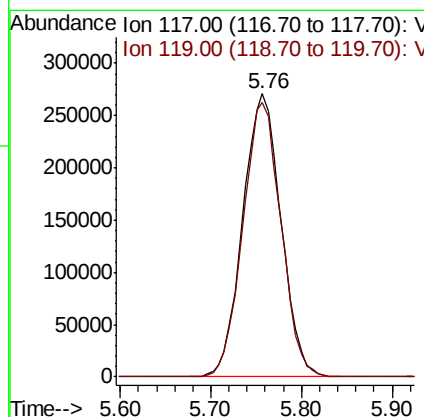
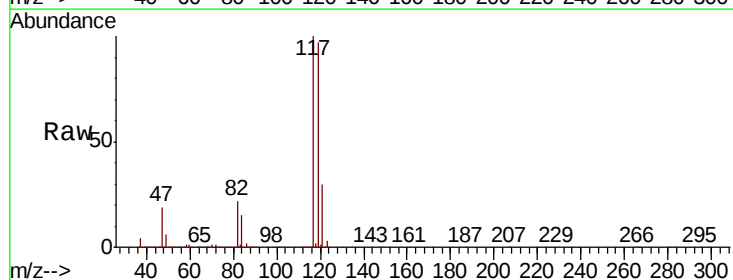
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

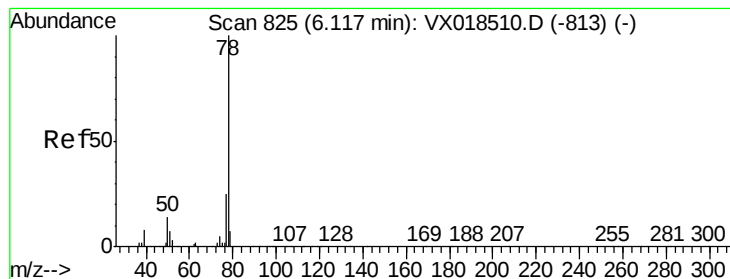
Tot Ion	97	Resp	848717
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.9	77.9
61	41.8	34.4	51.6



#31
 Carbon tetrachloride
 Concen: 100.115 ug/L
 RT: 5.76 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

Tgt Ion	117	Resp	788528
Ion Ratio	Lower	Upper	
117	100		
119	96.9	77.5	116.3





#33

Benzene

Concen: 98.738 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

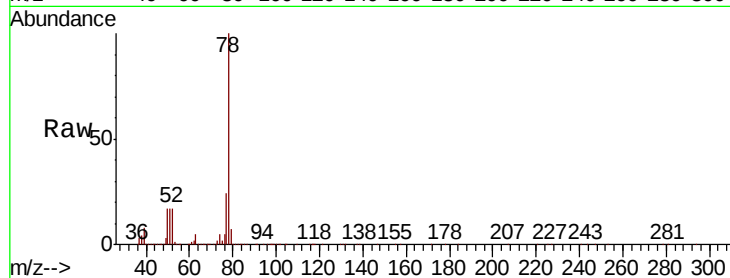
Instrument :

MSVOA_X

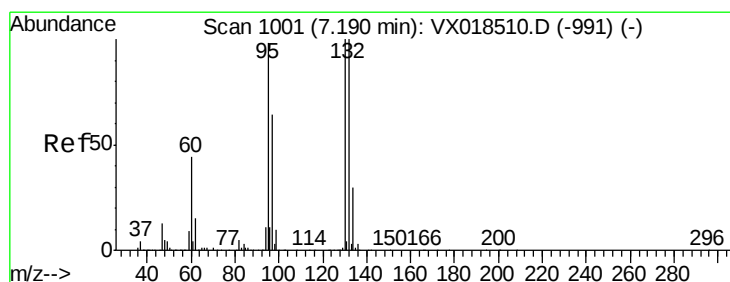
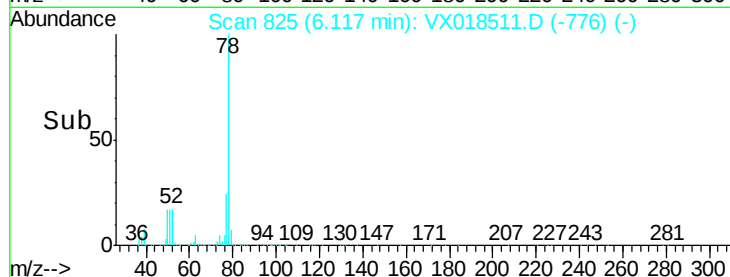
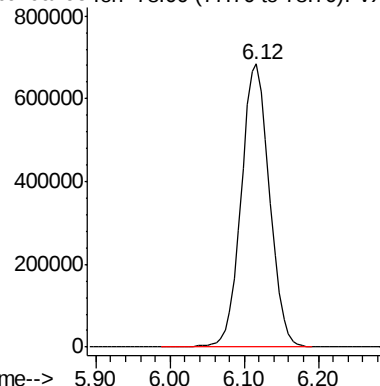
ClientSampled :

VSTD100404

Tgt Ion: 78 Resp: 1806431



Abundance Ion 78.00 (77.70 to 78.70): VX0



#34

Trichloroethene

Concen: 100.275 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Tgt Ion: 95 Resp: 500672

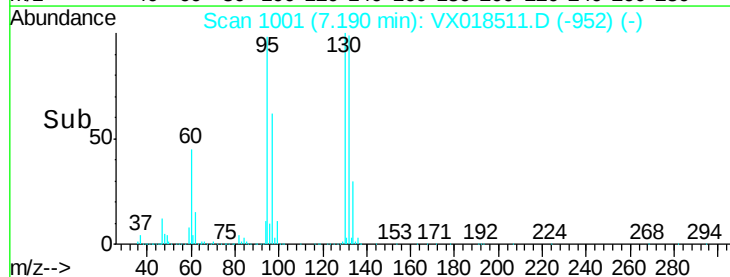
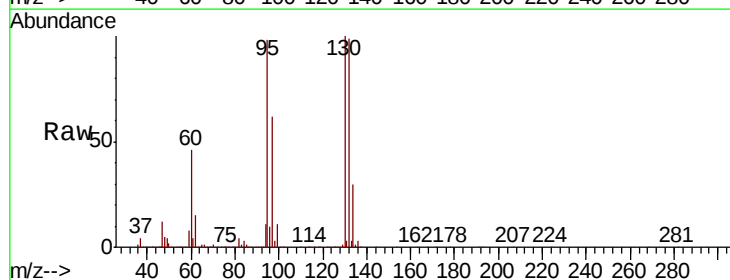
Ion	Ratio	Lower	Upper
95	100		
97	62.9	46.0	85.4
132	101.2	71.7	133.1
130	101.7	71.3	132.5

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



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

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

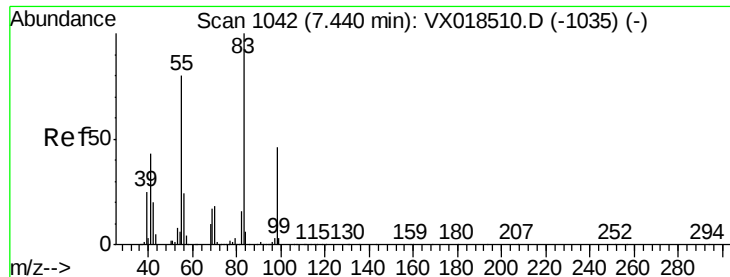
Ion 130.00 (129.70 to 130.70): V

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

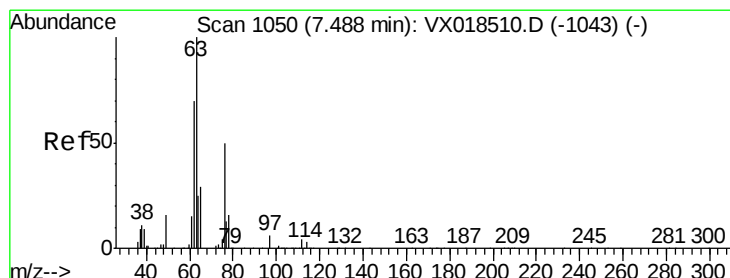
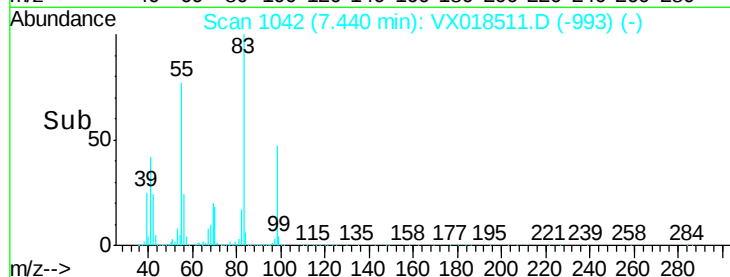
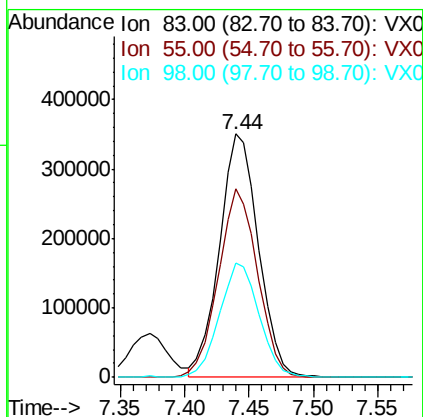
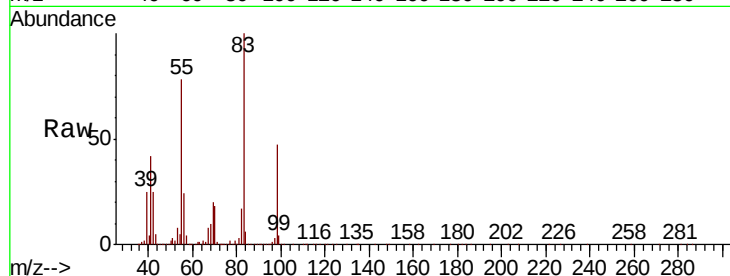
Ion 130.00 (129.70 to 130.70): V



#35
Methylcyclohexane
Concen: 99.093 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

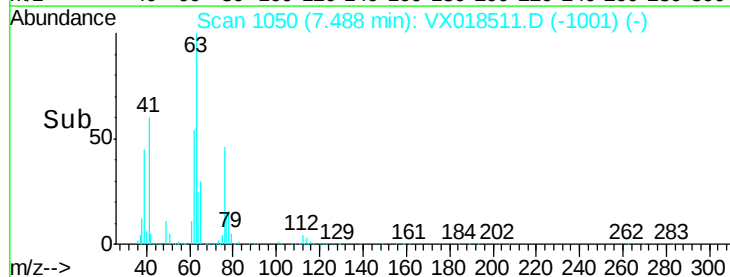
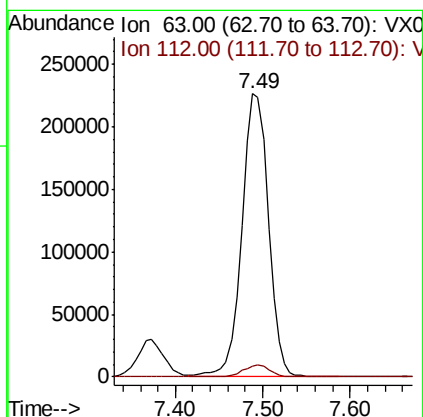
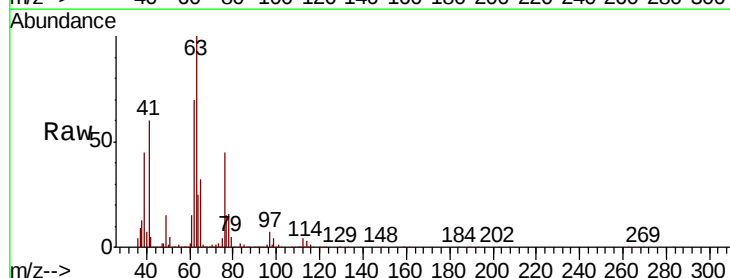
Instrument :
MSVOA_X
ClientSampleId :
VSTD100404

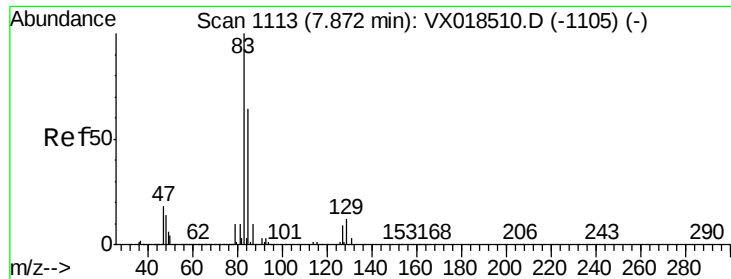
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.6	92.4
98	47.6	37.0	55.4



#37
1,2-Dichloropropane
Concen: 101.025 ug/L
RT: 7.49 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
112	4.3	3.5	5.3





#38

Bromodichloromethane

Concen: 100.887 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100404

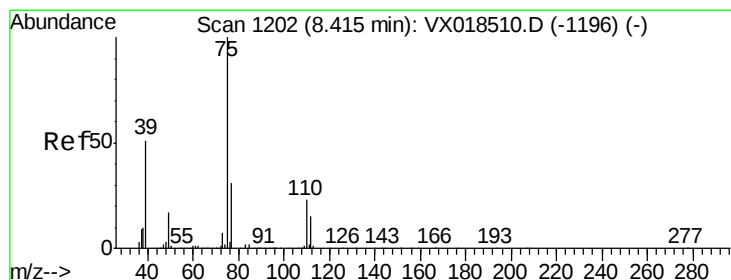
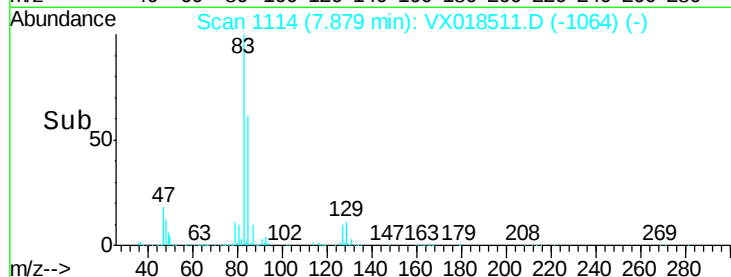
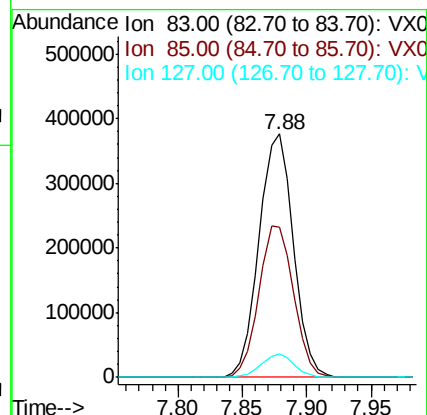
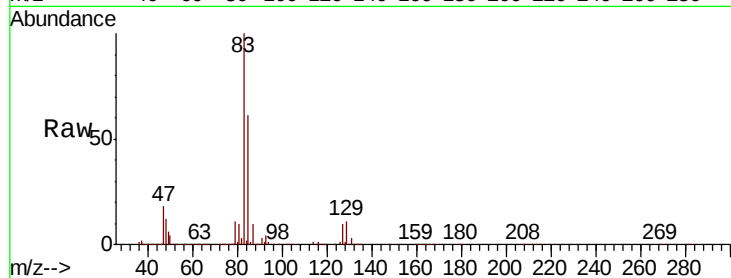
Tot Ion: 83 Resp: 694735

Ion Ratio Lower Upper

83 100

85 61.5 45.0 83.6

127 9.8 6.9 10.3



#39

cis-1,3-Dichloropropene

Concen: 100.960 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018511.D

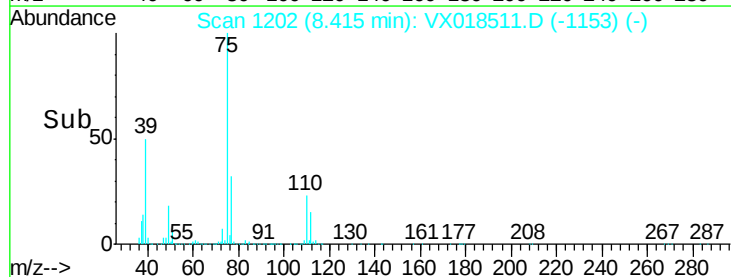
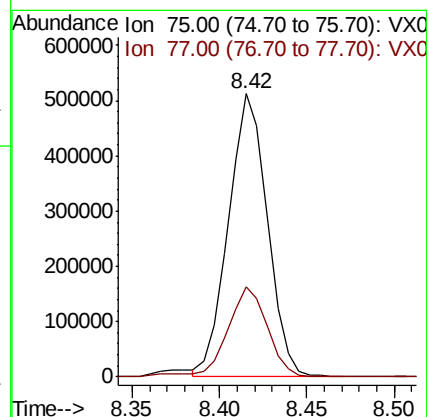
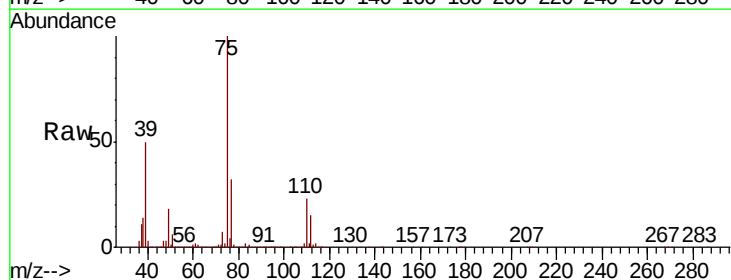
Acq: 21 Sep 2020 13:09

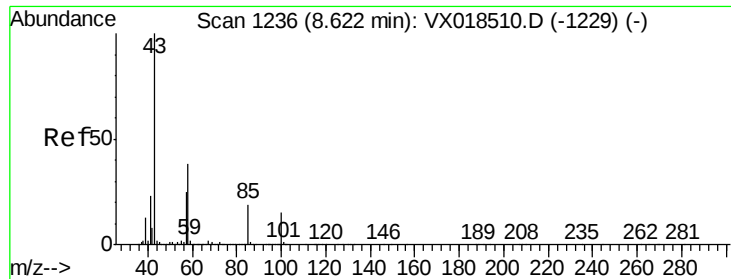
Tgt Ion: 75 Resp: 793508

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3

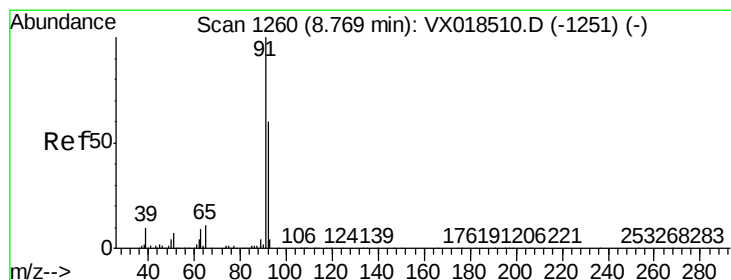
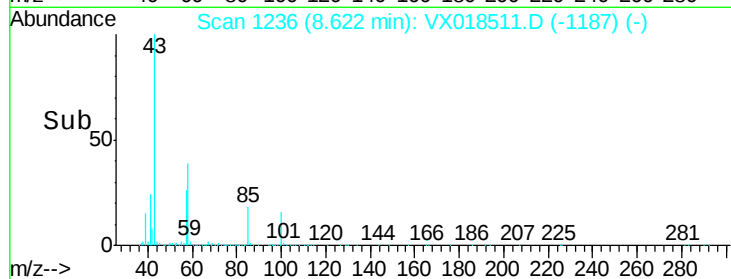
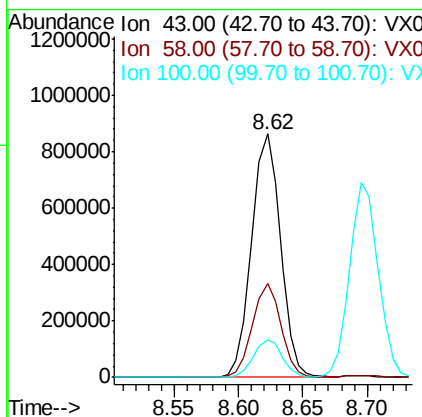
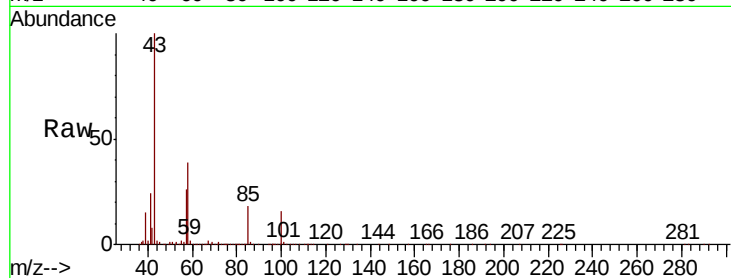




#40
4-Methyl-2-pentanone
Concen: 203.315 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

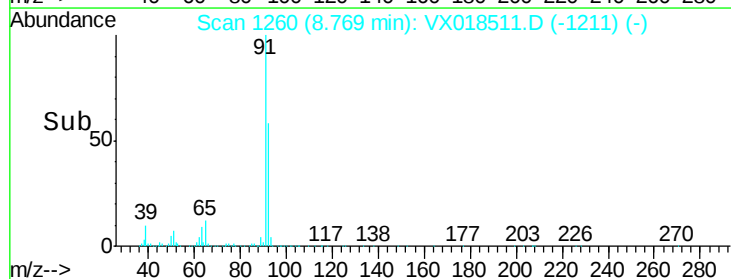
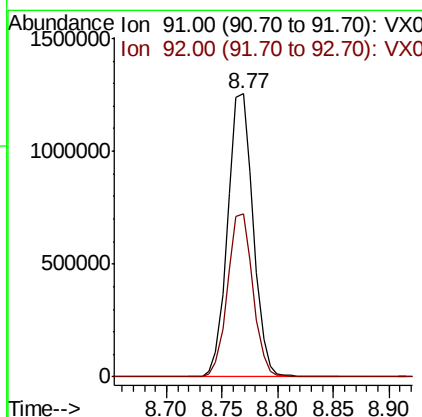
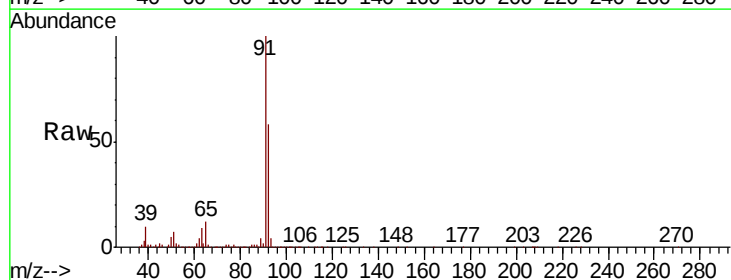
Instrument :
MSVOA_X
ClientSampleId :
VSTD100404

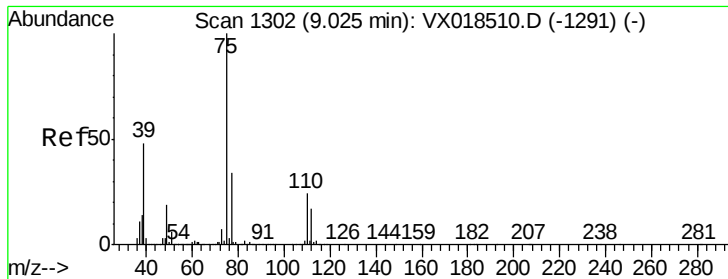
Tot Ion: 43 Resp: 1340472
Ion Ratio Lower Upper
43 100
58 37.9 30.6 45.8
100 15.5 12.2 18.2



#42
Toluene
Concen: 98.853 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

Tgt Ion: 91 Resp: 1984898
Ion Ratio Lower Upper
91 100
92 57.6 41.9 77.7





#44

trans-1,3-Dichloropropene

Concen: 103.032 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

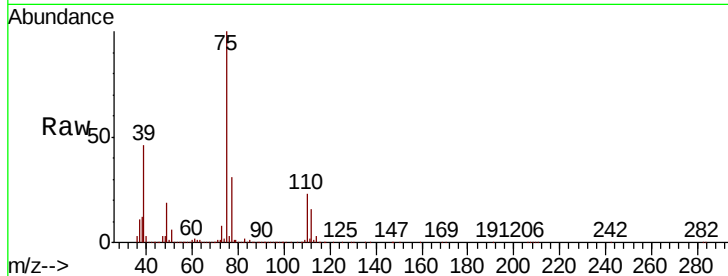
VSTD100404

Tot Ion: 75 Resp: 816642

Ion Ratio Lower Upper

75 100

77 31.1 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

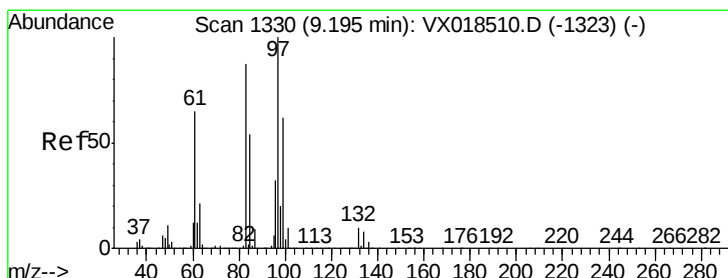
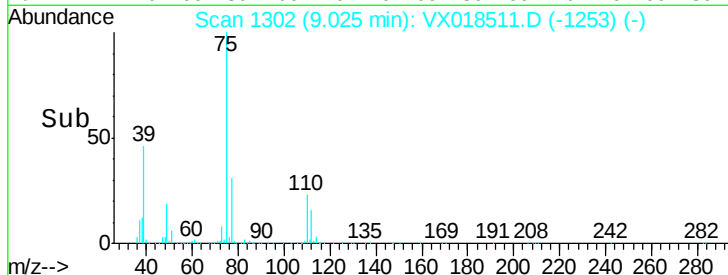
600000

400000

200000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 97.580 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Tgt Ion: 97 Resp: 462421

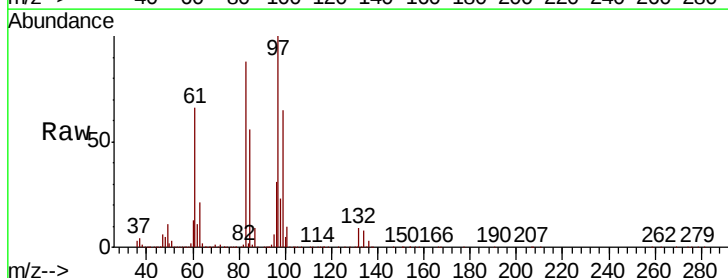
Ion Ratio Lower Upper

97 100

99 65.1 43.5 80.9

83 87.6 60.8 113.0

85 56.2 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

500000

400000

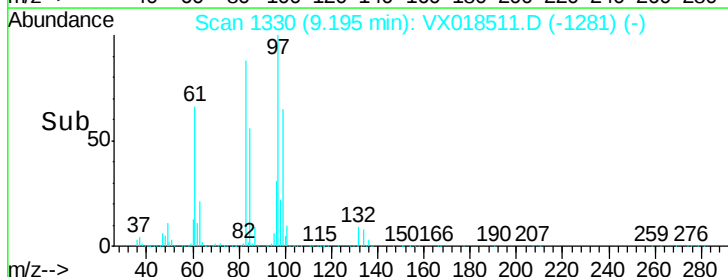
300000

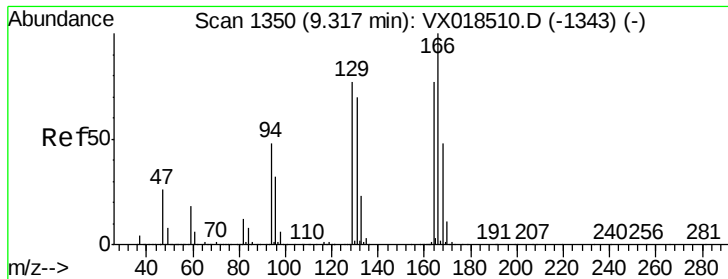
200000

100000

0

Time-->

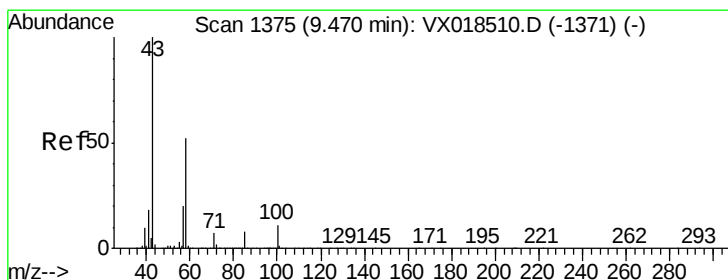
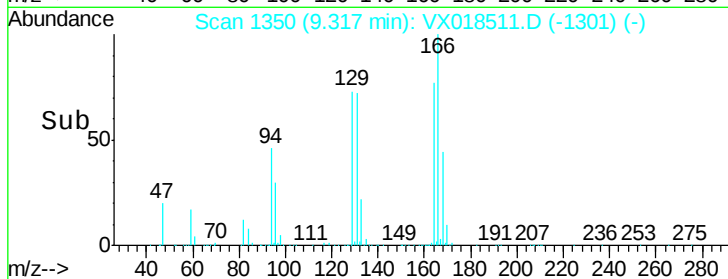
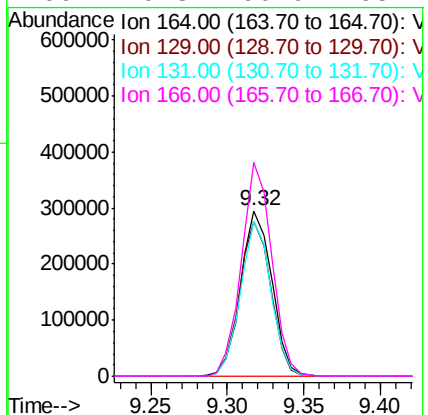
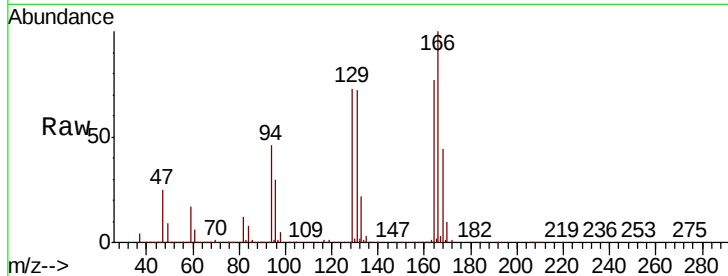




#46
Tetrachloroethene
Concen: 100.611 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

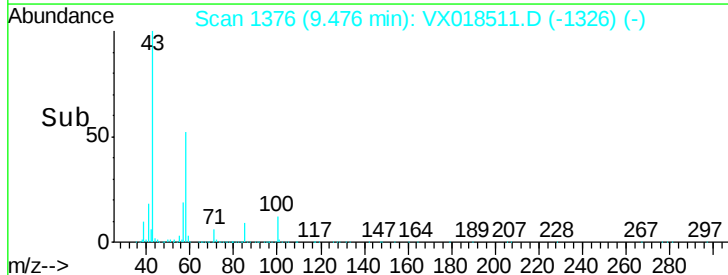
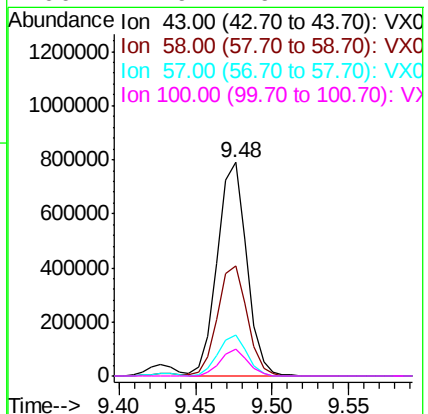
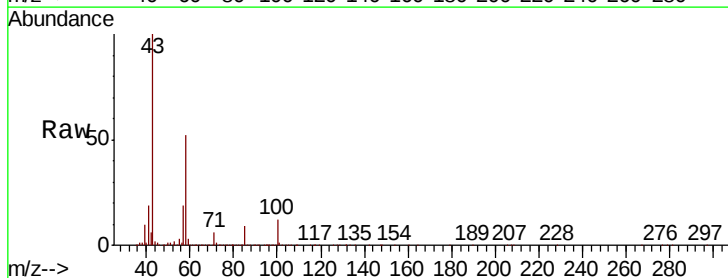
Instrument :
MSVOA_X
ClientSampleId :
VSTD100404

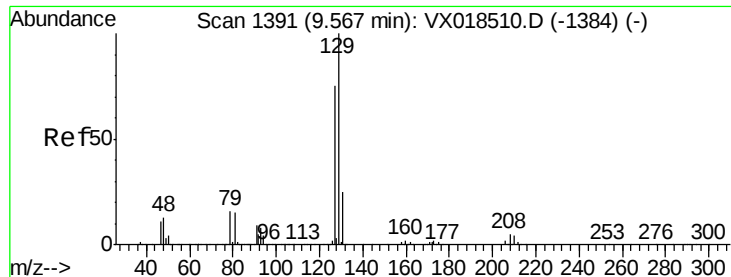
Tot Ion	Ratio	Lower	Upper
164	100		
129	94.1	69.7	129.5
131	93.4	63.4	117.8
166	129.3	90.9	168.7



#48
2-Hexanone
Concen: 205.998 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018511.D
Acq: 21 Sep 2020 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.5	43.0	64.6
57	19.0	15.6	23.4
100	11.9	9.4	14.2

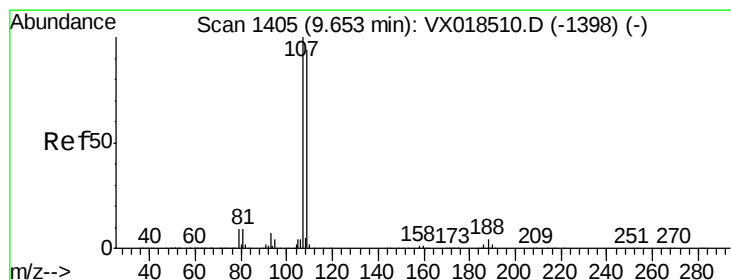
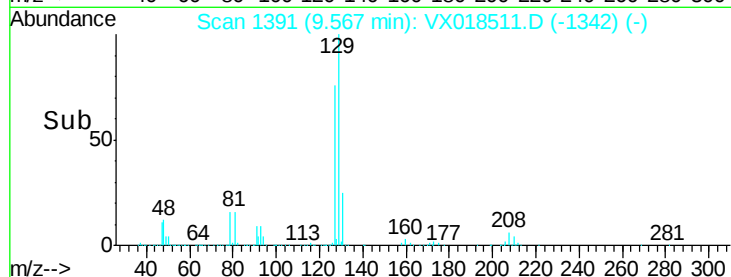
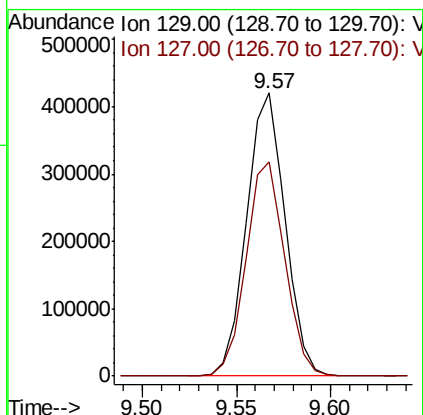
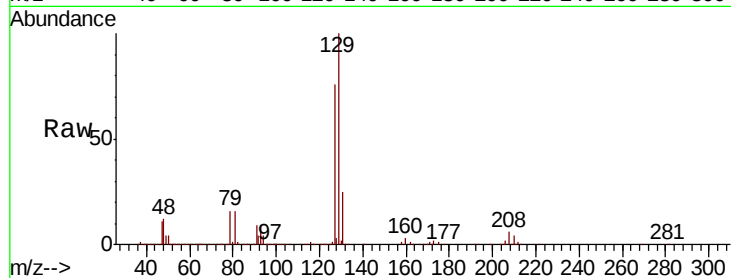




#49
 Dibromochloromethane
 Concen: 100.744 ug/L
 RT: 9.57 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

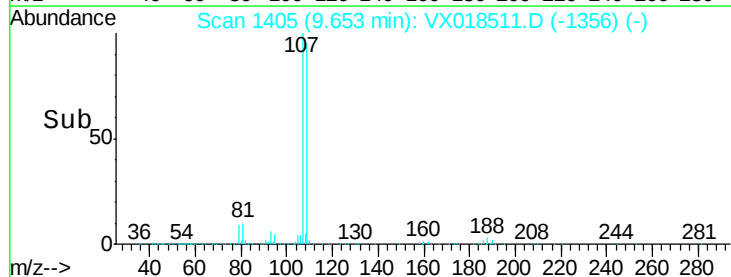
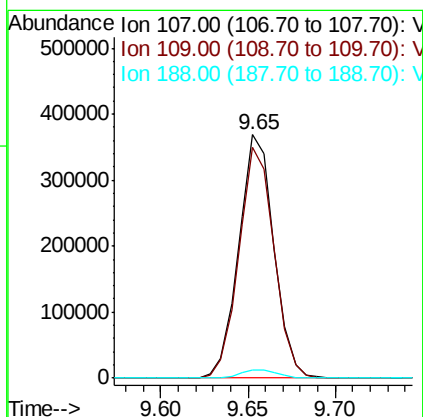
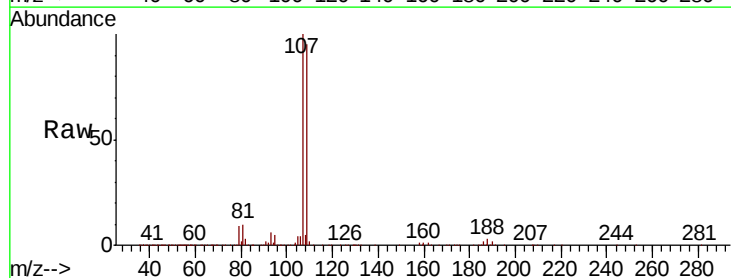
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

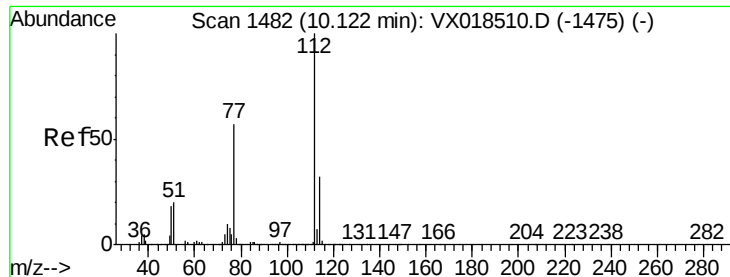
Tot Ion:129 Resp: 594400
 Ion Ratio Lower Upper
 129 100
 127 75.7 52.6 97.6



#50
 1,2-Dibromoethane
 Concen: 100.156 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

Tgt Ion:107 Resp: 513652
 Ion Ratio Lower Upper
 107 100
 109 94.8 65.7 121.9
 188 3.1 3.0 4.4





#51

Chlorobenzene

Concen: 98.751 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampled :

VSTD100404

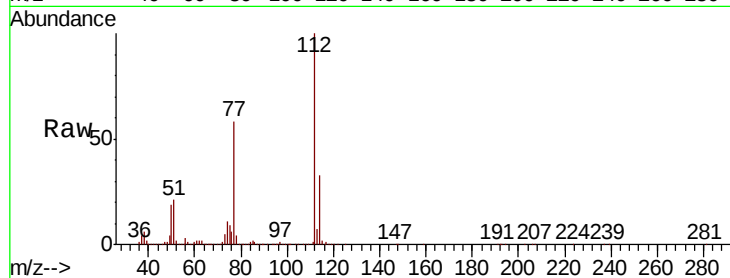
Tot Ion:112 Resp: 1312150

Ion Ratio Lower Upper

112 100

114 32.6 22.2 41.2

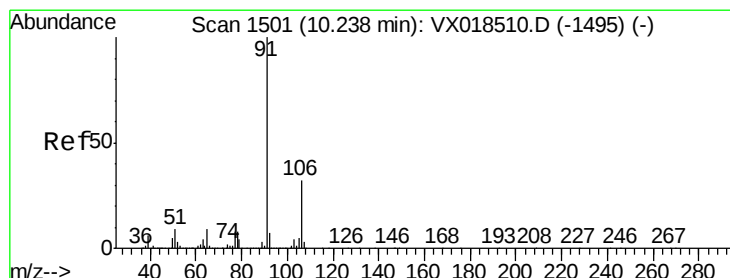
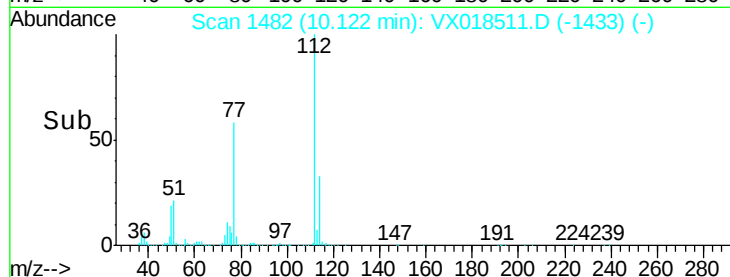
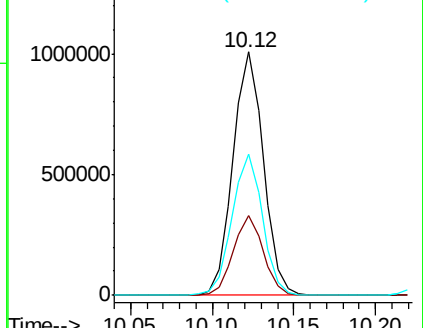
77 58.0 46.1 69.1



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: 101.858 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018511.D

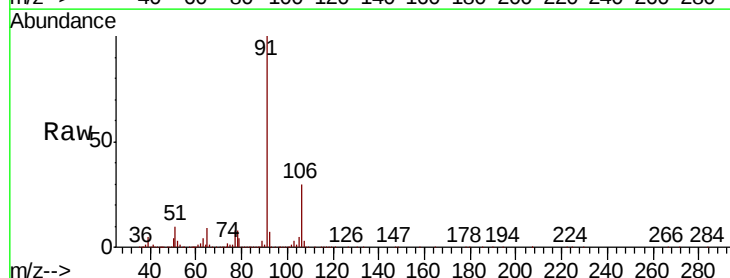
Acq: 21 Sep 2020 13:09

Tgt Ion: 91 Resp: 2262952

Ion Ratio Lower Upper

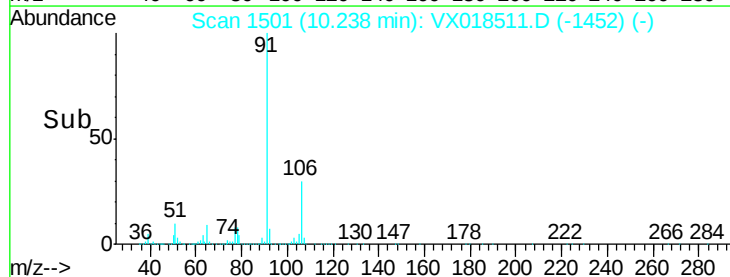
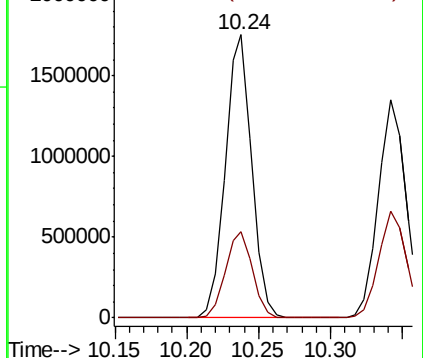
91 100

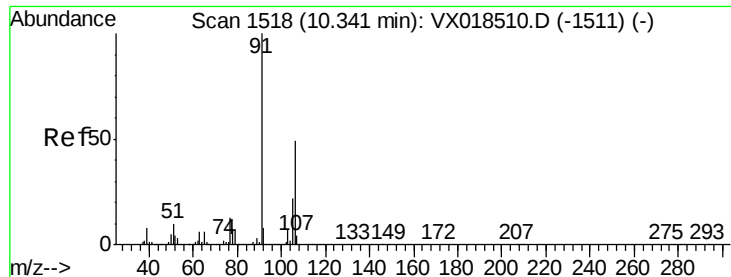
106 30.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 99.581 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampled :

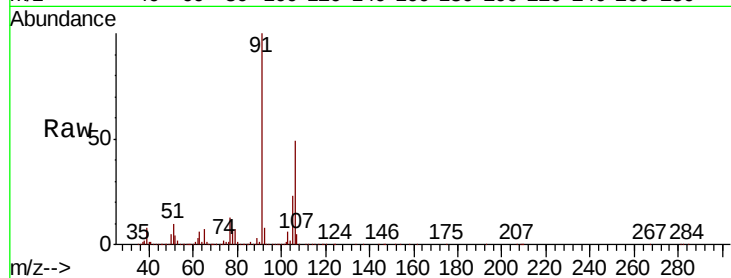
VSTD100404

Tot Ion:106 Resp: 862813

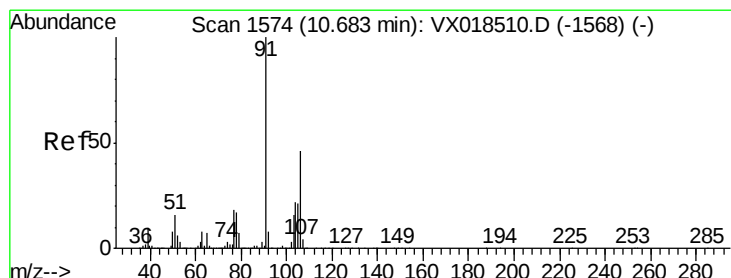
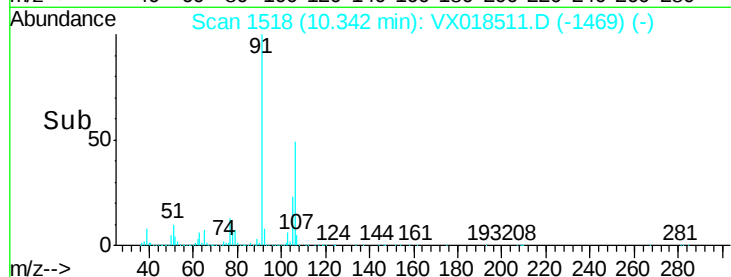
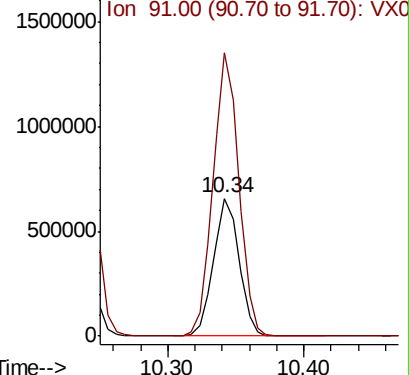
Ion Ratio Lower Upper

106 100

91 205.2 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V



#54

o-Xylene

Concen: 98.923 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018511.D

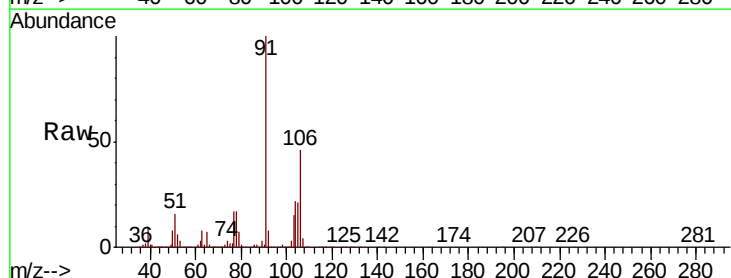
Acq: 21 Sep 2020 13:09

Tgt Ion:106 Resp: 829981

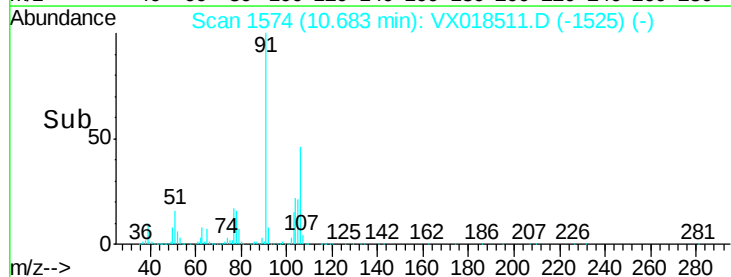
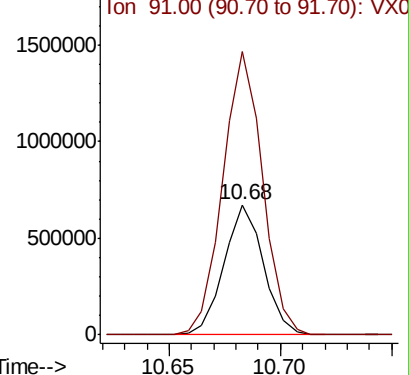
Ion Ratio Lower Upper

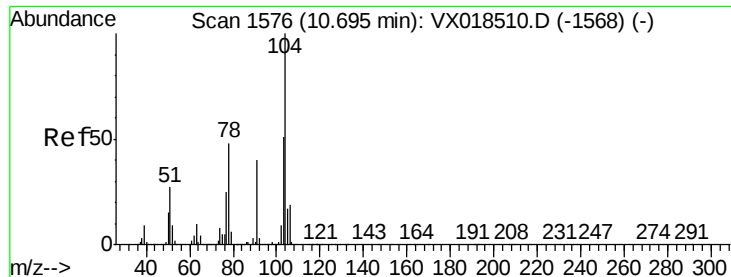
106 100

91 217.2 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V





#55

Stvrene

Concen: 101.370 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

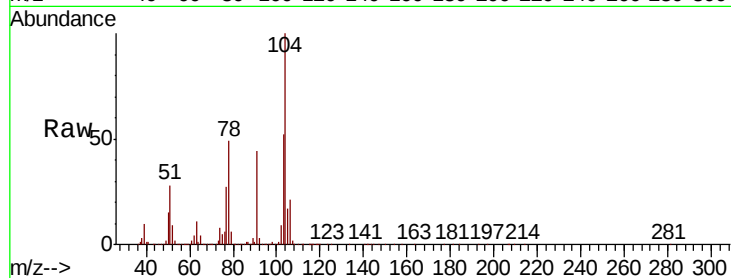
VSTD100404

Tot Ion:104 Resp: 1452215

Ion Ratio Lower Upper

104 100

78 48.8 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

1200000

1000000

800000

600000

400000

200000

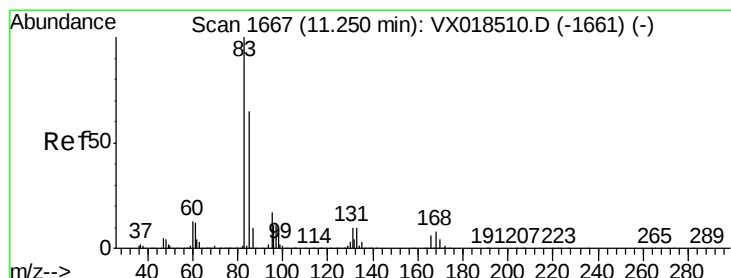
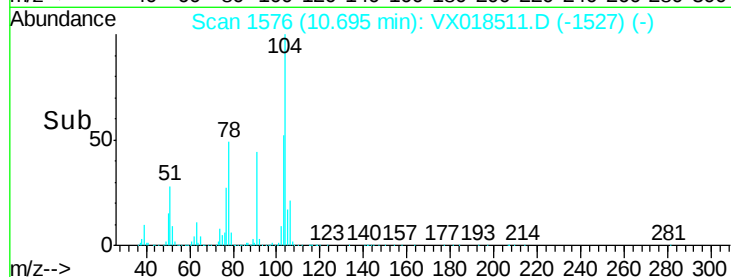
0

10.60

10.70

10.80

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 99.378 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

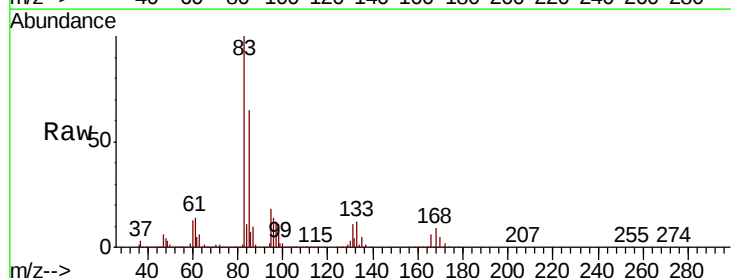
Tgt Ion: 83 Resp: 713458

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8

131 10.7 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

600000

400000

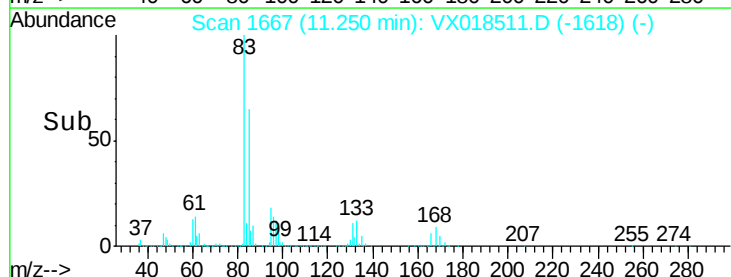
200000

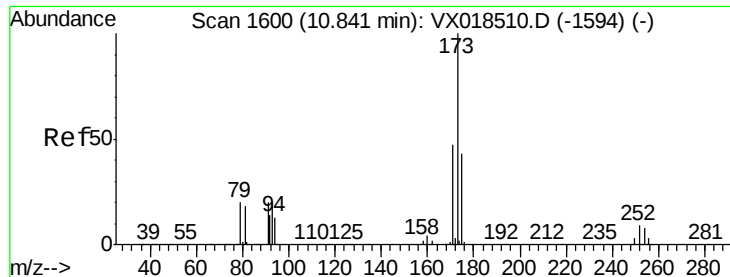
0

11.20

11.30

Time-->





#59

Bromoform

Concen: 106.039 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100404

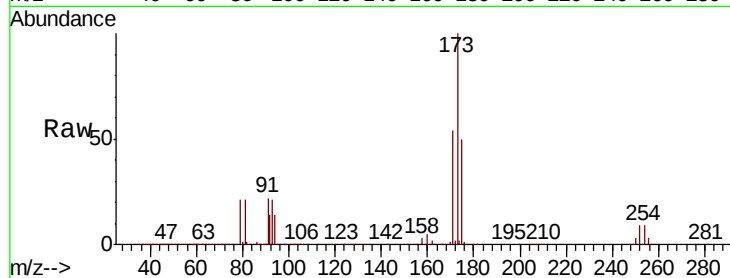
Tot Ion:173 Resp: 463282

Ion Ratio Lower Upper

173 100

175 48.3 37.7 56.5

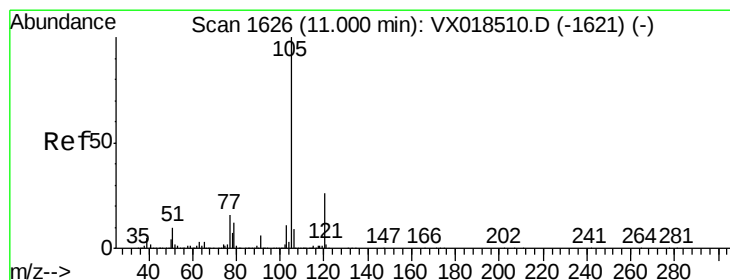
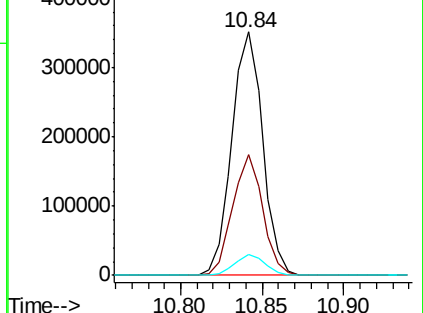
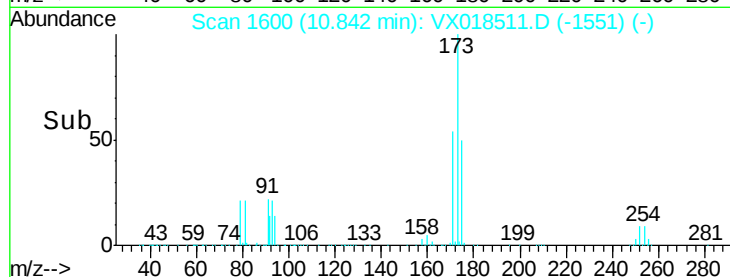
254 8.6 7.2 10.8



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: 103.516 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

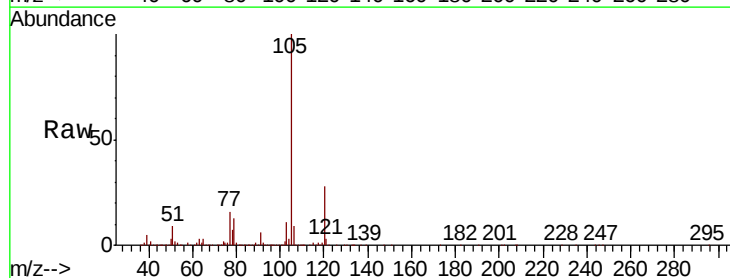
Tgt Ion:105 Resp: 2229134

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

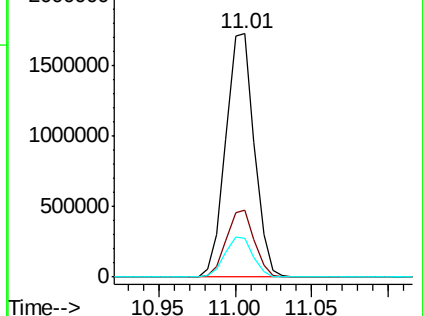
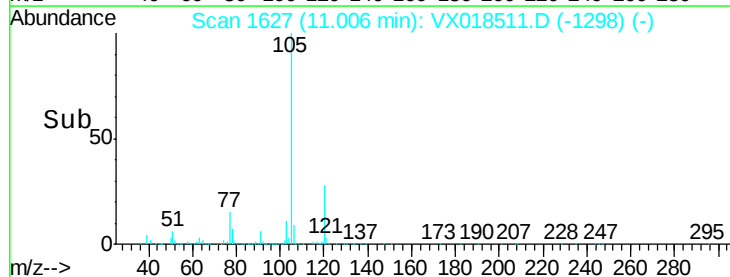
77 16.2 12.7 19.1

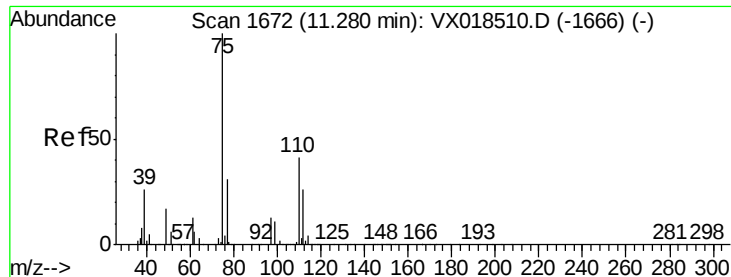


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 104.751 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100404

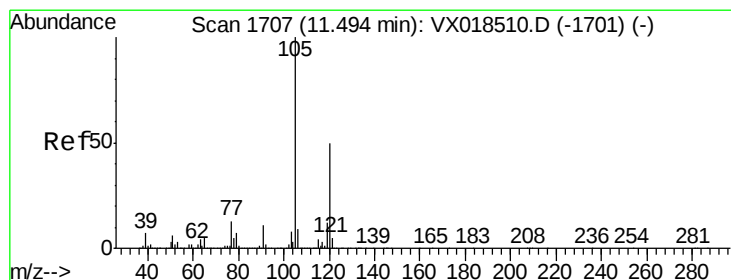
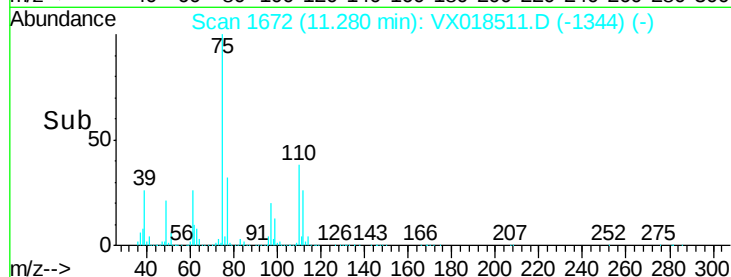
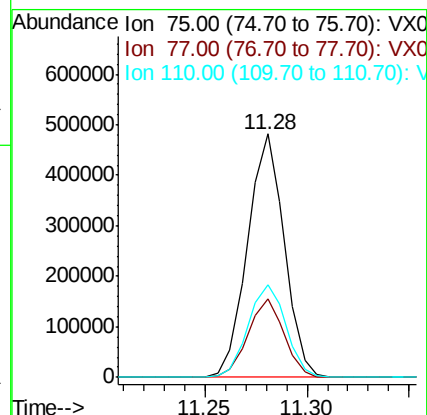
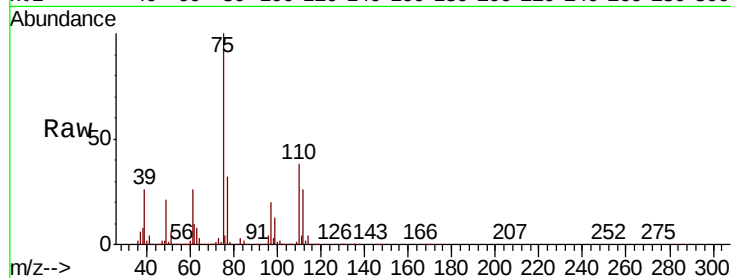
Tot Ion: 75 Resp: 601717

Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0

110 39.3 32.4 48.6



#62

1,3,5-Trimethylbenzene

Concen: 107.997 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018511.D

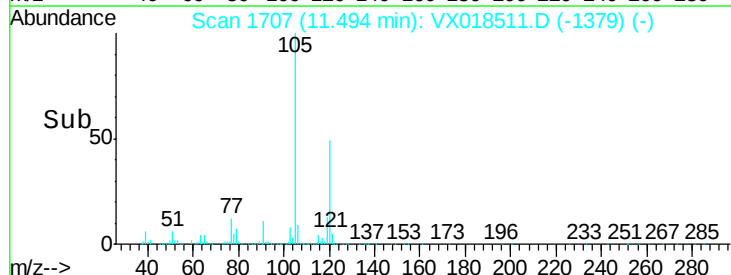
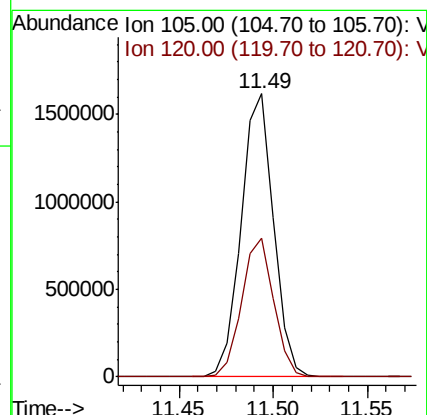
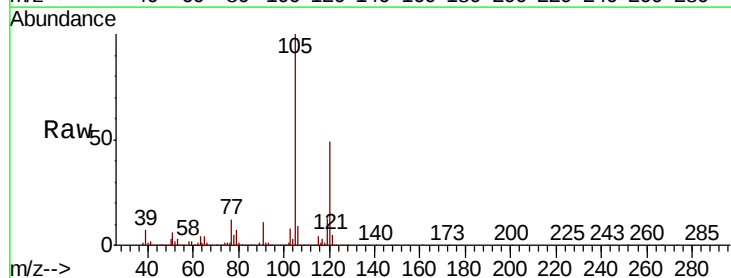
Acq: 21 Sep 2020 13:09

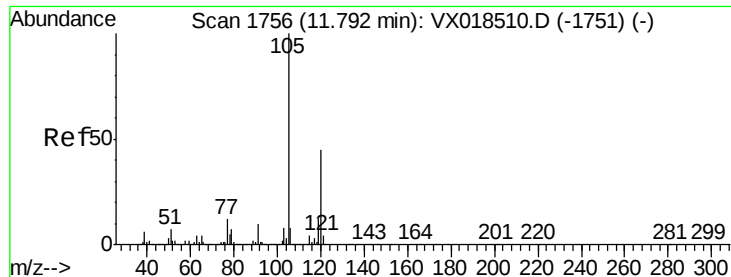
Tgt Ion:105 Resp: 1928424

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 106.905 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

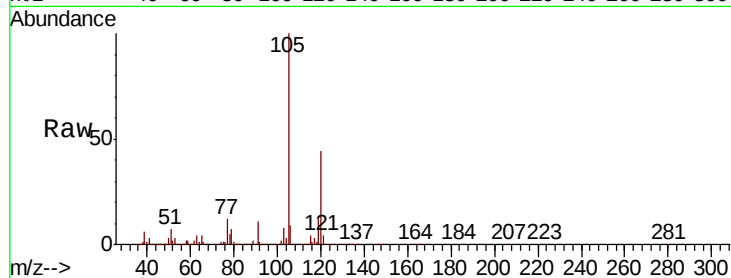
VSTD100404

Tot Ion:105 Resp: 1960431

Ion Ratio Lower Upper

105 100

120 44.8 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

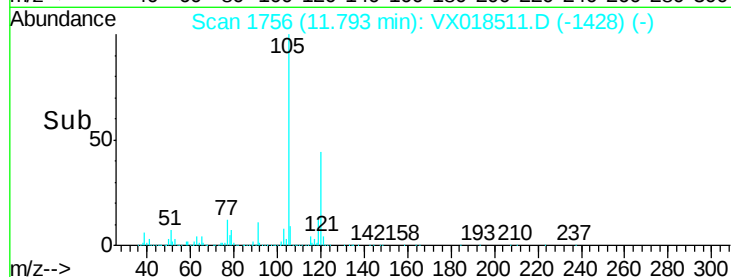
1500000

1000000

500000

0

Time-->



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

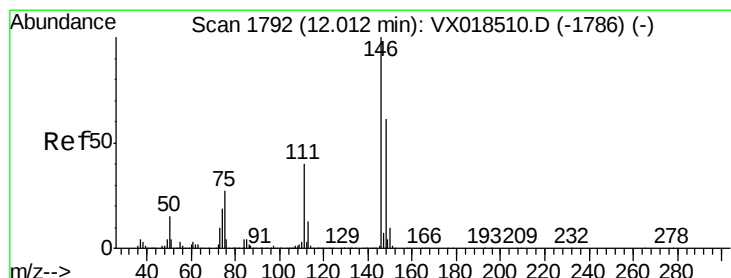
1500000

1000000

500000

0

Time-->



#64

1,3-Dichlorobenzene

Concen: 104.885 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

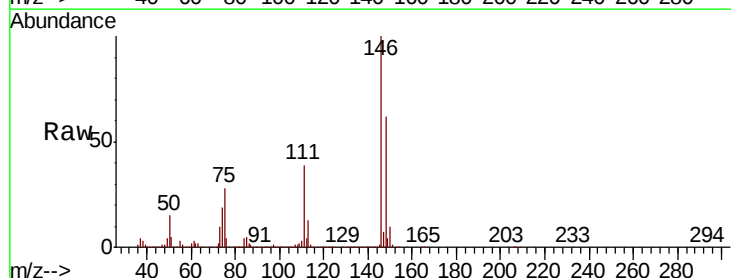
Tgt Ion:146 Resp: 1078521

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

148 61.7 42.6 79.2



Abundance Ion 146.00 (145.70 to 146.70): V

1200000 Ion 111.00 (110.70 to 111.70): V

1000000 Ion 148.00 (147.70 to 148.70): V

800000

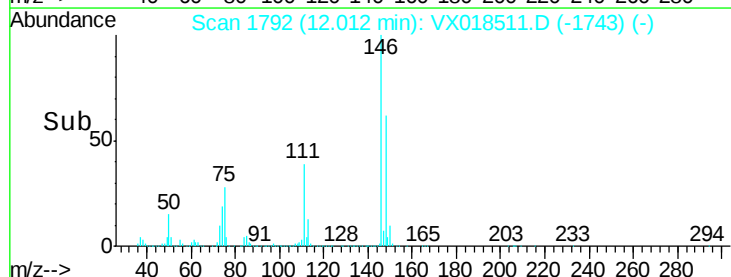
600000

400000

200000

0

Time-->



Abundance Ion 146.00 (145.70 to 146.70): V

1200000 Ion 111.00 (110.70 to 111.70): V

1000000 Ion 148.00 (147.70 to 148.70): V

800000

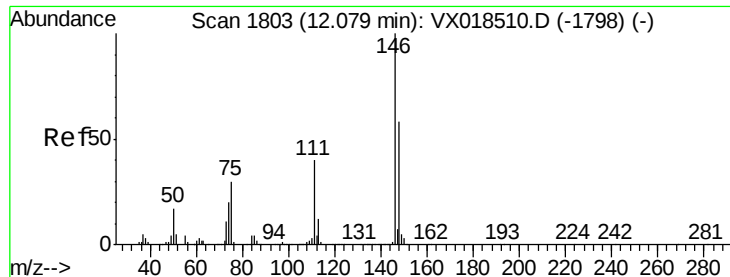
600000

400000

200000

0

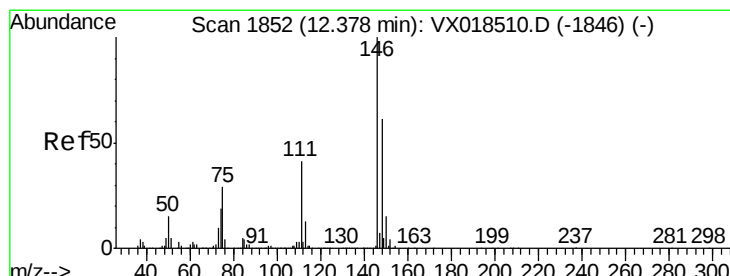
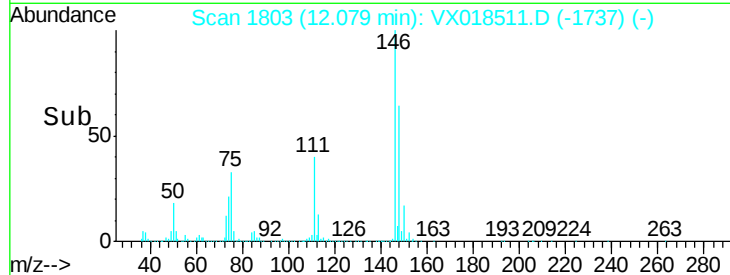
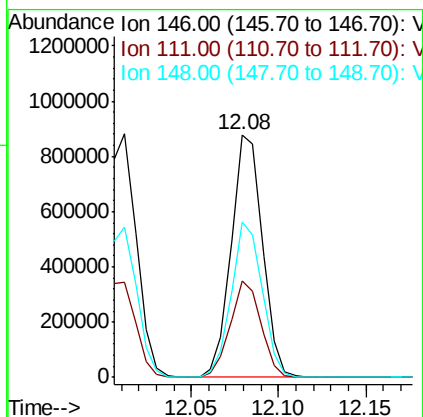
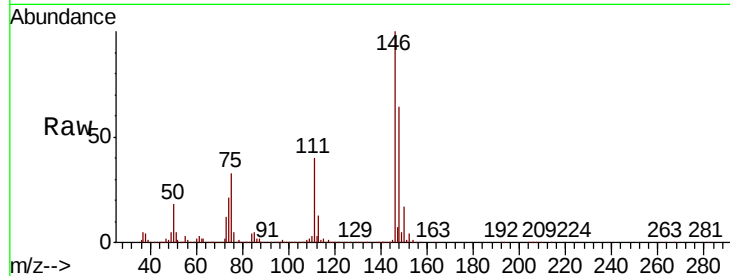
Time-->



#65
 1,4-Dichlorobenzene
 Concen: 105.174 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

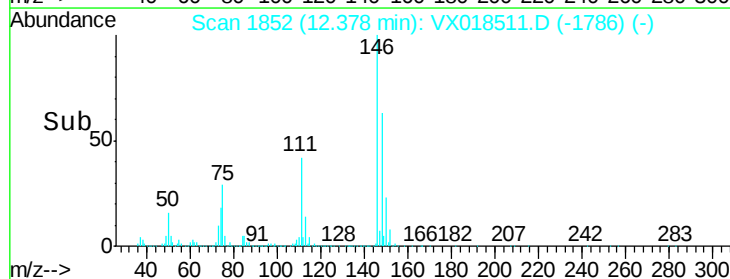
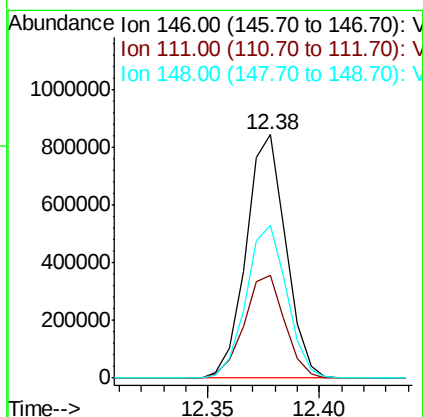
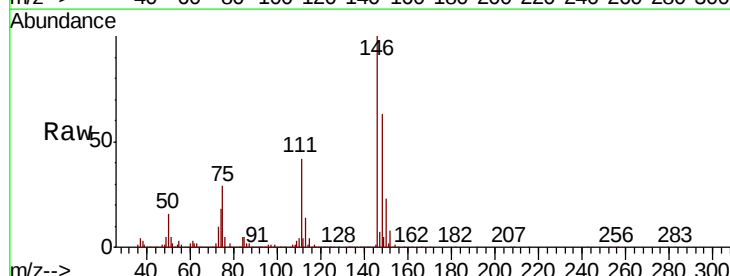
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

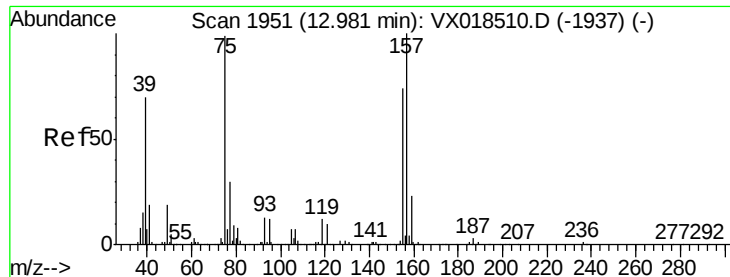
Tot Ion:146 Resp: 1096720
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.7
 148 64.2 40.5 75.3



#67
 1,2-Dichlorobenzene
 Concen: 105.402 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

Tgt Ion:146 Resp: 1050043
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.1 49.7
 148 62.8 48.4 72.6





#68

1,2-Dibromo-3-chloropropane

Concen: 109.902 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTD100404

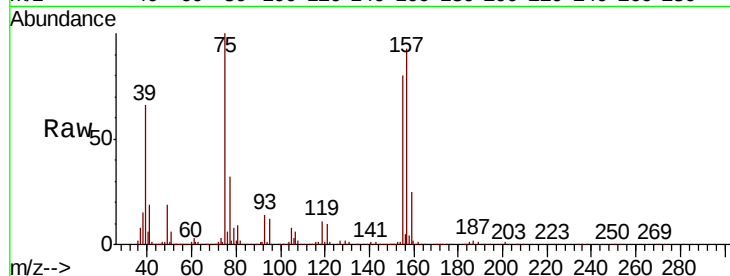
Tot Ion: 75 Resp: 188607

Ion Ratio Lower Upper

75 100

155 80.3 59.4 89.0

157 93.0 80.7 121.1



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

200000

150000

100000

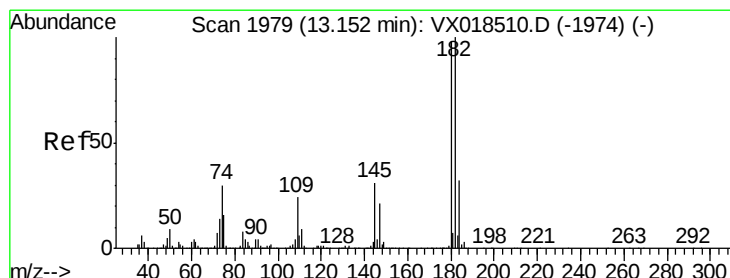
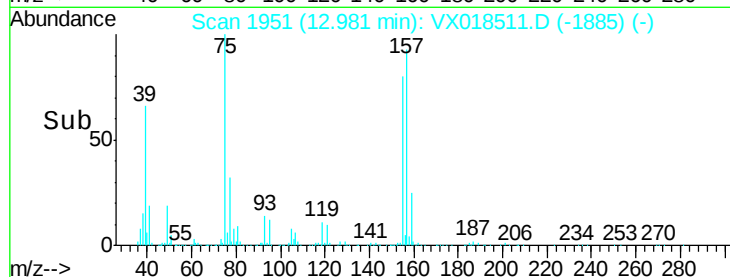
50000

0

12.98

12.90 13.00 13.10

Time-->



#69

1,3,5-Trichlorobenzene

Concen: 111.015 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX018511.D

Acq: 21 Sep 2020 13:09

Tgt Ion:180 Resp: 736306

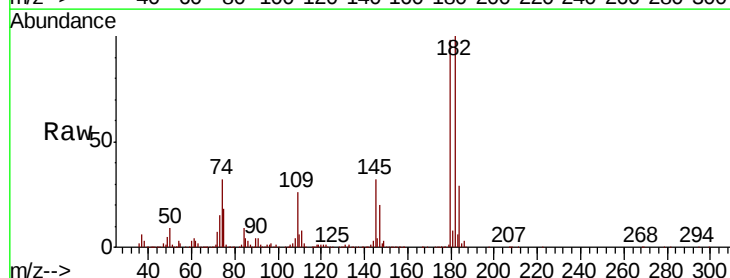
Ion Ratio Lower Upper

180 100

182 95.9 82.5 123.7

184 30.2 25.4 38.2

145 31.2 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

800000

600000

400000

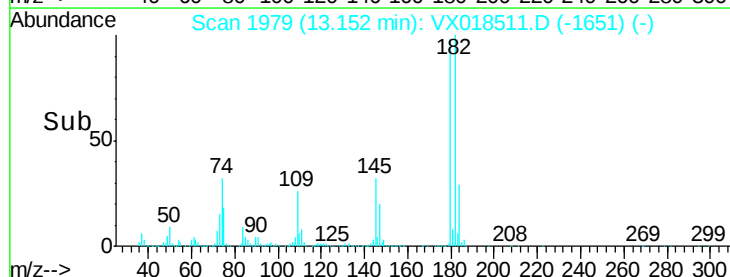
200000

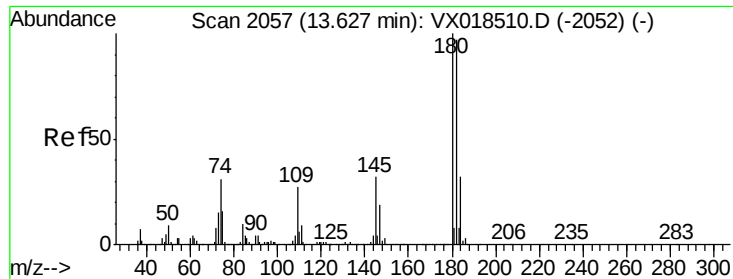
0

13.15

13.10 13.15 13.20

Time-->

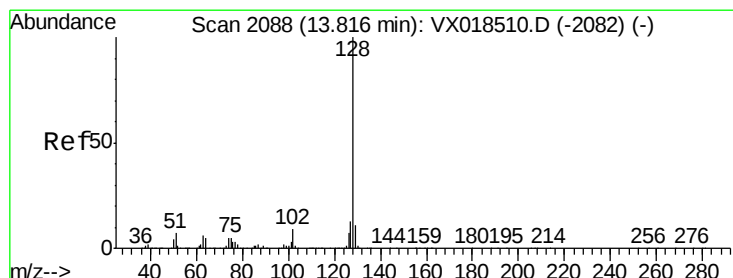
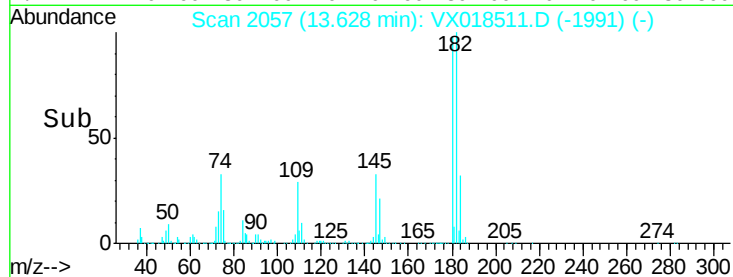
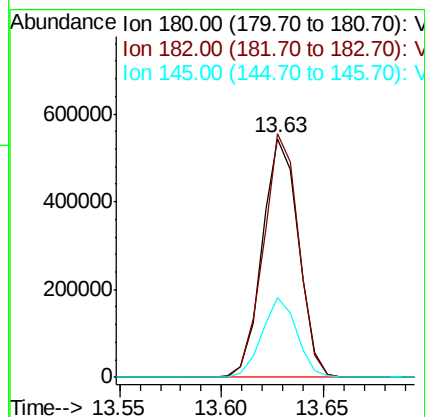
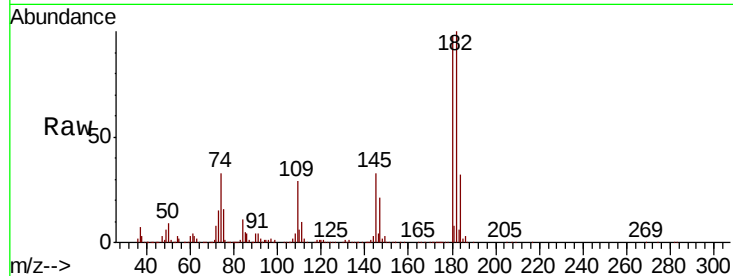




#70
 1,2,4-trichlorobenzene
 Concen: 111.191 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

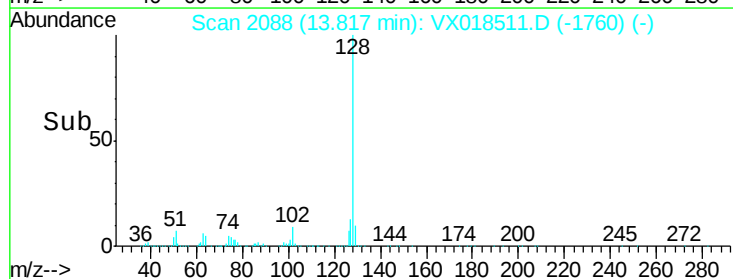
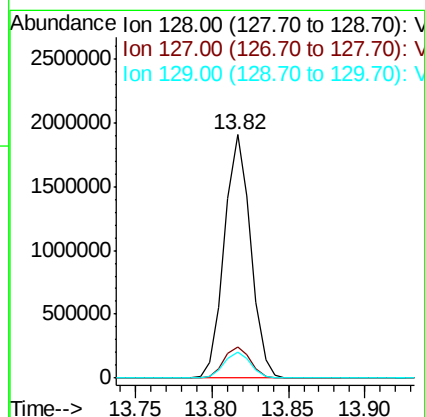
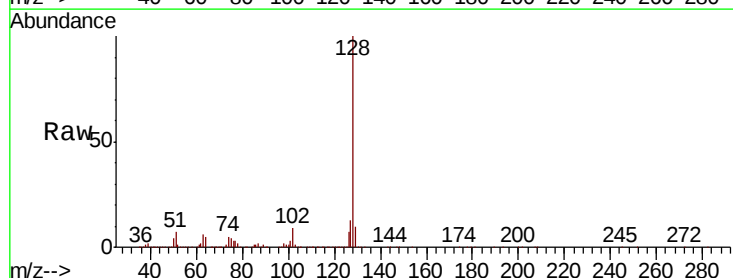
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

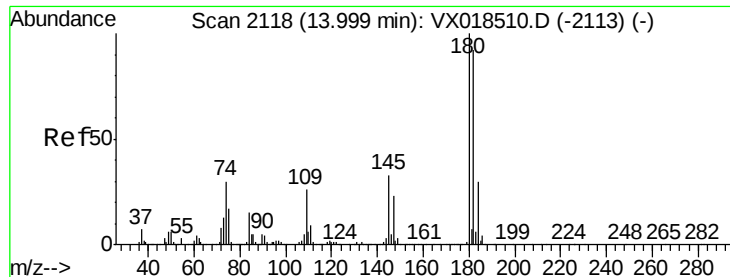
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	78.6	118.0
145	32.0	27.0	40.4



#71
 Naphthalene
 Concen: 110.443 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	8.8	13.2

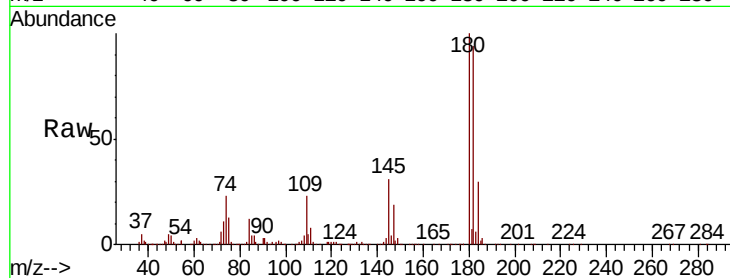




#72
 1,2,3-Trichlorobenzene
 Concen: 104.962 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018511.D
 Acq: 21 Sep 2020 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100404

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.6	114.8
145	33.7	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

