

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092120\
 Data File : VX018508.D
 Acq On : 21 Sep 2020 11:30
 Operator : JC/SP
 Sample : VSTD005401
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005401

Quant Time: Sep 22 01:05:28 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	663427	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	630846	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	315481	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	21099	4.65	ug/L	0.00
7) Chloroethane-d5	1.70	69	16784	4.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.35	63	43820	4.69	ug/L	0.00
21) 2-Butanone-d5	4.53	46	24834	7.98	ug/L	0.00
24) Chloroform-d	5.14	84	37911	4.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	32816	5.03	ug/L	0.00
32) Benzene-d6	6.05	84	75182	4.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	23006	4.31	ug/L	0.00
41) Toluene-d8	8.70	98	76973	4.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	9.09	79	229	0.07	ug/L	0.10
47) 2-Hexanone-d5	9.43	63	16157	6.86	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	31182	4.37	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	28711	4.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	32611	5.717 ug/L	96
3) Chloromethane	1.31	50	23740	5.521 ug/L	99
5) Vinyl chloride	1.39	62	26759	5.496 ug/L	98
6) Bromomethane	1.64	94	13402	5.270 ug/L	93
8) Chloroethane	1.72	64	16152	5.561 ug/L	86
9) Trichlorofluoromethane	1.92	101	46427	5.624 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	25173	5.585 ug/L	98
12) 1,1-Dichloroethene	2.36	96	22203	5.224 ug/L	90
13) Acetone	2.42	43	25127	11.791 ug/L	93
14) Carbon disulfide	2.55	76	68502	5.255 ug/L	97
15) Methyl Acetate	2.75	43	22961	4.942 ug/L #	89
16) Methylene chloride	2.83	84	26381	5.752 ug/L	95
17) trans-1,2-Dichloroethene	3.15	96	24446	5.530 ug/L	90
18) Methyl tert-butyl Ether	3.17	73	73730	5.030 ug/L	97
19) 1,1-Dichloroethane	3.67	63	44606	5.371 ug/L	98
20) cis-1,2-Dichloroethene	4.57	96	26807	5.600 ug/L	83
22) 2-Butanone	4.64	43	33525	9.988 ug/L	99
23) Bromochloromethane	4.97	128	8470	3.125 ug/L	87
25) Chloroform	5.17	83	50585	5.415 ug/L	95
27) 1,2-Dichloroethane	6.16	62	39125	5.199 ug/L	97
29) Cyclohexane	5.54	56	34688	4.865 ug/L #	91
30) 1,1,1-Trichloroethane	5.46	97	45938	5.360 ug/L	98
31) Carbon tetrachloride	5.76	117	40180	5.123 ug/L	99
33) Benzene	6.11	78	92363	5.070 ug/L	100
34) Trichloroethene	7.18	95	26735	5.377 ug/L	95
35) Methylcyclohexane	7.44	83	37560	5.028 ug/L	99
38) Bromodichloromethane	7.88	83	35573	5.188 ug/L #	94
39) cis-1,3-Dichloropropene	8.42	75	38883	4.968 ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	58794	8.955 ug/L	98
42) Toluene	8.76	91	97208	4.862 ug/L	97

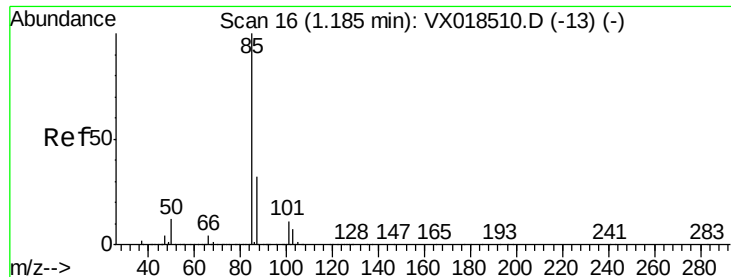
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092120\
 Data File : VX018508.D
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 00:58:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	9.02	75	37771	4.786	ug/L	90
45) 1,1,2-Trichloroethane	9.20	97	23917	5.068	ug/L	98
46) Tetrachloroethene	9.32	164	22654	5.474	ug/L	97
48) 2-Hexanone	9.47	43	47339	9.274	ug/L	96
49) Dibromochloromethane	9.56	129	29254	4.979	ug/L	90
50) 1,2-Dibromoethane	9.65	107	25330	4.960	ug/L	96
51) Chlorobenzene	10.12	112	66661	5.038	ug/L	98
52) Ethylbenzene	10.23	91	104872	4.740	ug/L	98
53) m,p-Xylene	10.34	106	39692	4.600	ug/L	73
54) o-Xylene	10.68	106	38061	4.556	ug/L	98
55) Styrene	10.70	104	62863	4.407	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	35870	5.017	ug/L	94
59) Bromoform	10.84	173	20825	4.901	ug/L	95
60) Isopropylbenzene	11.00	105	99734	4.762	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	30269	5.418	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	77850	4.483	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	79214	4.442	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	52471	5.247	ug/L	97
65) 1,4-Dichlorobenzene	12.09	146	52958	5.222	ug/L	94
67) 1,2-Dichlorobenzene	12.37	146	51176	5.282	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	8548	5.122	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	34813	5.397	ug/L	94
70) 1,2,4-trichlorobenzene	13.63	180	30546	5.187	ug/L	96
71) Naphthalene	13.82	128	83106	4.157	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	30982	4.938	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.717 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

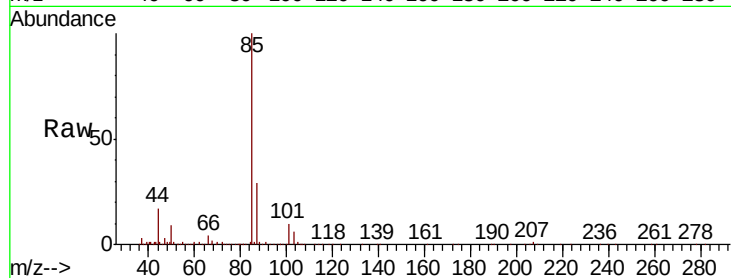
VSTD005401

Tot Ion: 85 Resp: 32611

Ion Ratio Lower Upper

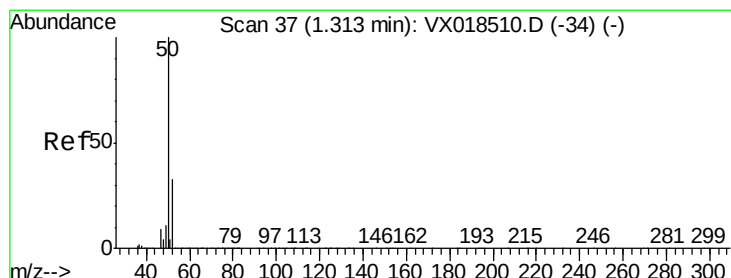
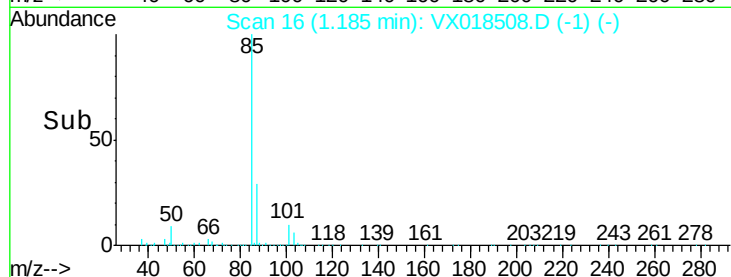
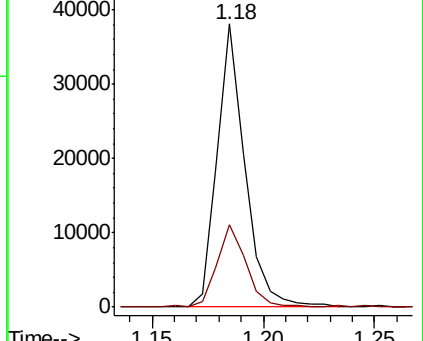
85 100

87 30.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 5.521 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018508.D

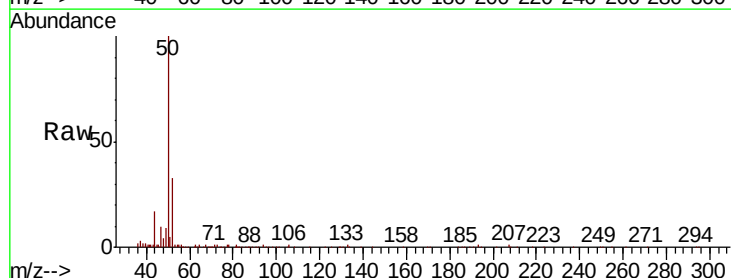
Acq: 21 Sep 2020 11:30

Tgt Ion: 50 Resp: 23740

Ion Ratio Lower Upper

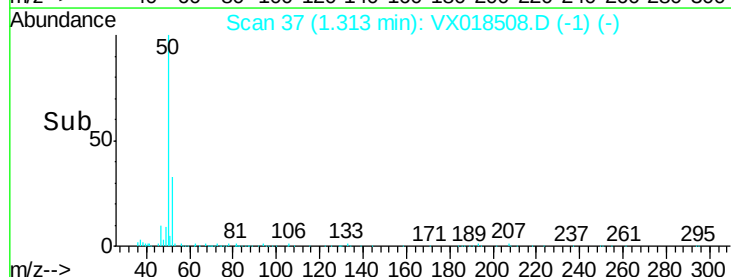
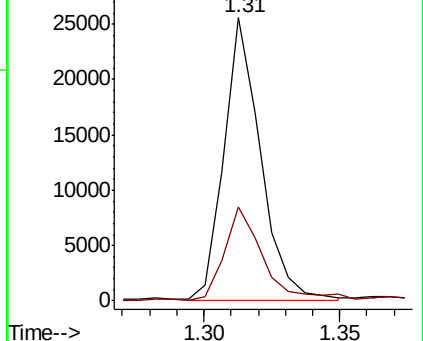
50 100

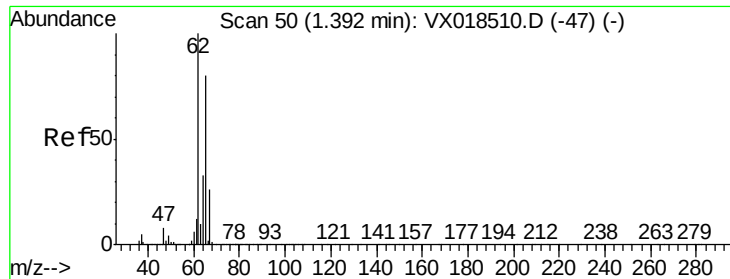
52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 5.496 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

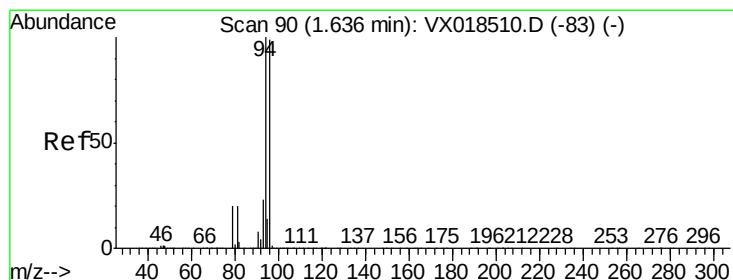
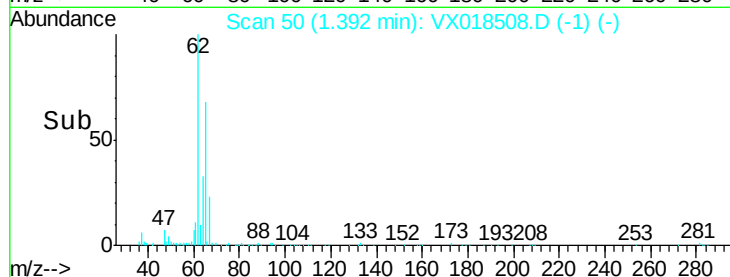
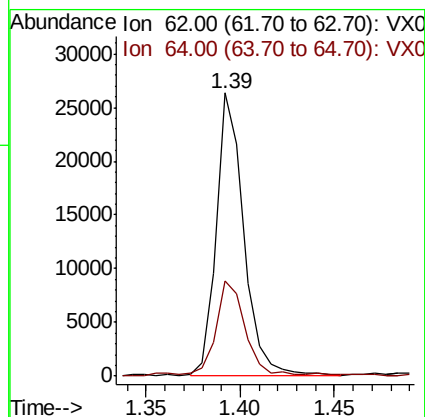
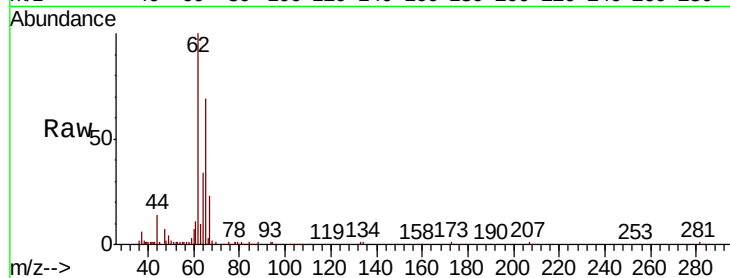
VSTD005401

Tot Ion: 62 Resp: 26759

Ion Ratio Lower Upper

62 100

64 33.8 23.0 42.6



#6

Bromomethane

Concen: 5.270 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX018508.D

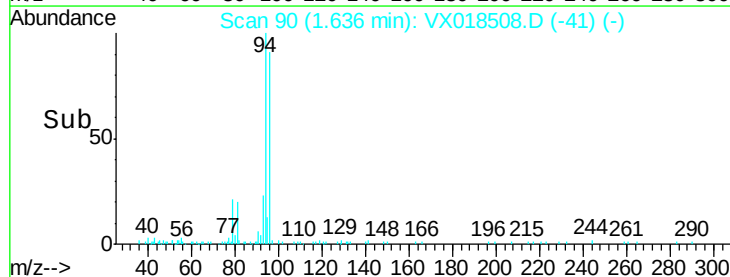
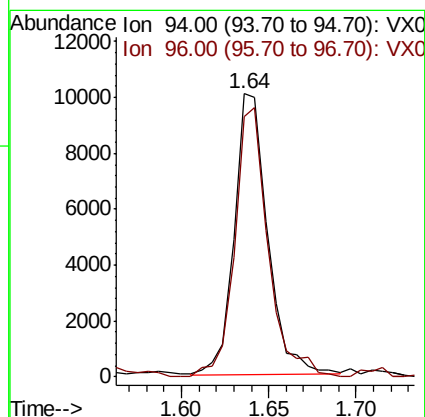
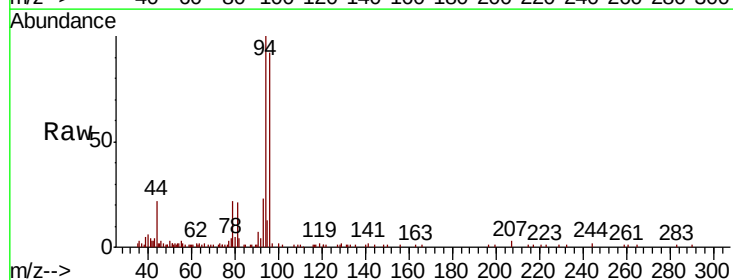
Acq: 21 Sep 2020 11:30

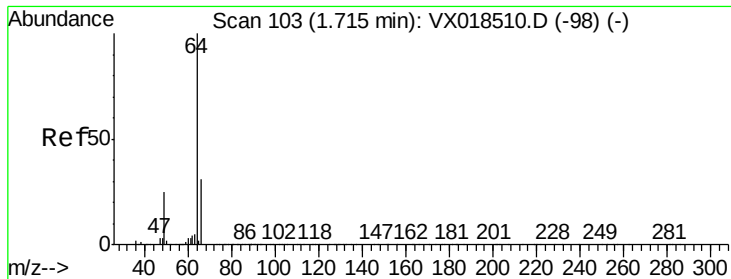
Tgt Ion: 94 Resp: 13402

Ion Ratio Lower Upper

94 100

96 91.9 69.2 128.4

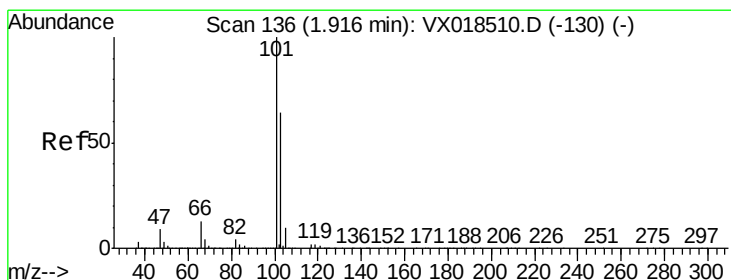
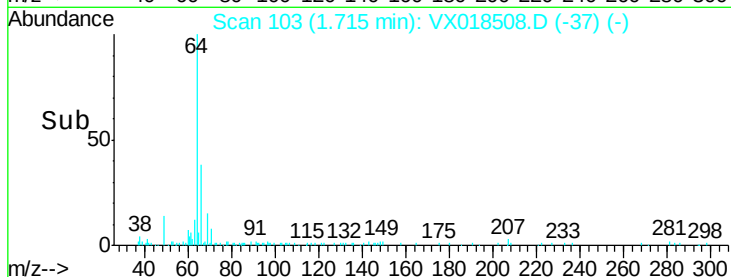
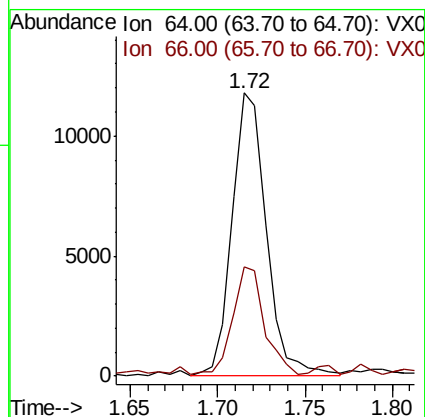
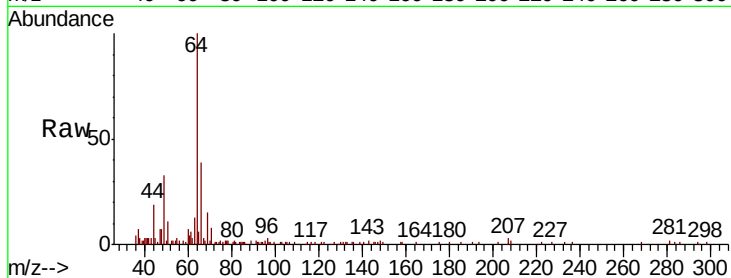




#8
Chloroethane
Concen: 5.561 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

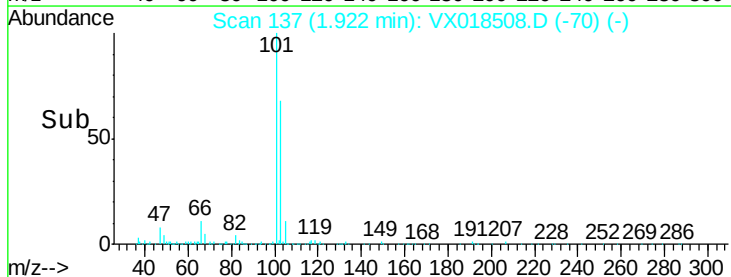
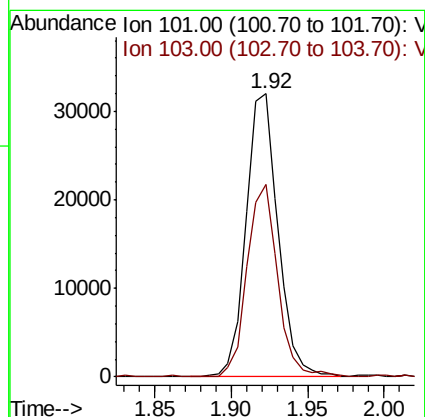
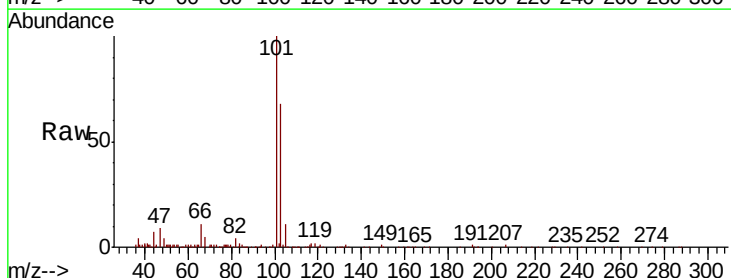
Instrument :
MSVOA_X
ClientSampleId :
VSTD005401

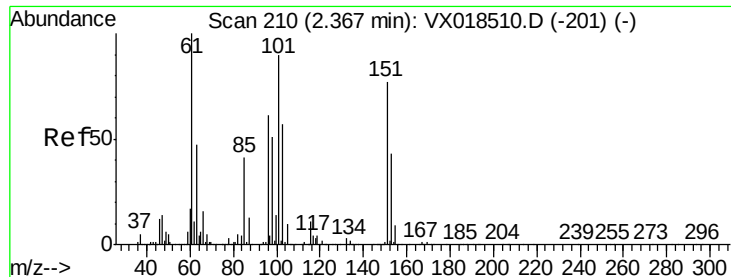
Tot Ion: 64 Resp: 16152
Ion Ratio Lower Upper
64 100
66 38.7 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.624 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

Tgt Ion:101 Resp: 46427
Ion Ratio Lower Upper
101 100
103 64.1 51.5 77.3





#10

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

Concen: 5.585 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

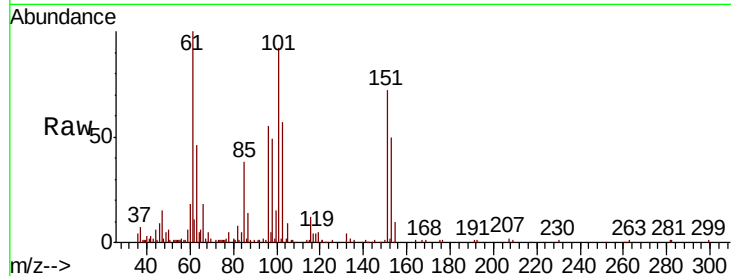
Tot Ion:101 Resp: 25173

Ion Ratio Lower Upper

101 100

85 42.0 34.9 52.3

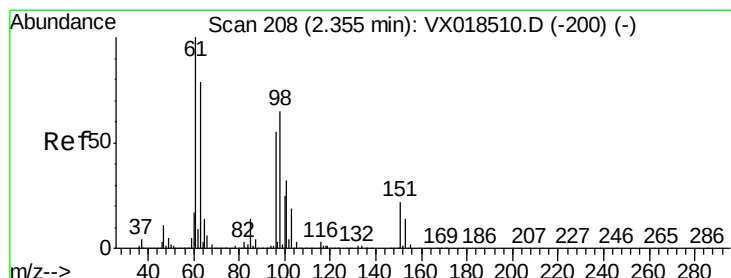
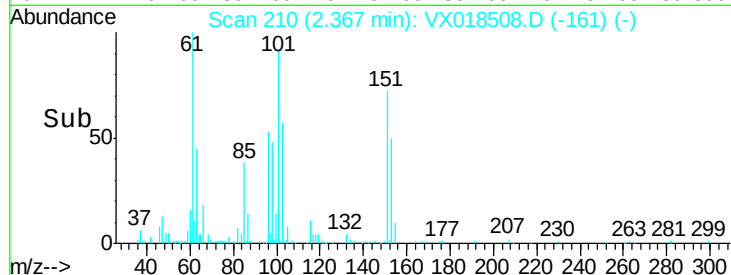
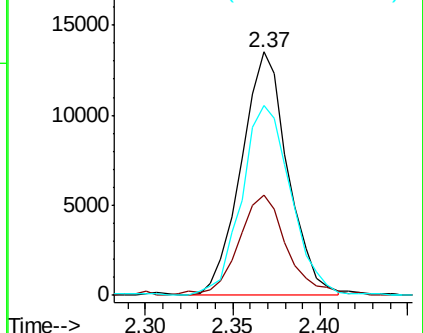
151 82.1 65.0 97.4



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: 5.224 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

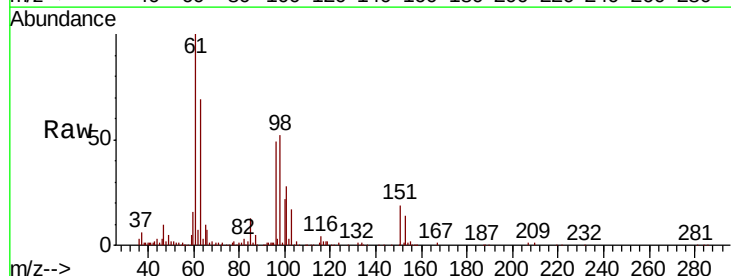
Tgt Ion: 96 Resp: 22203

Ion Ratio Lower Upper

96 100

61 202.8 126.8 235.6

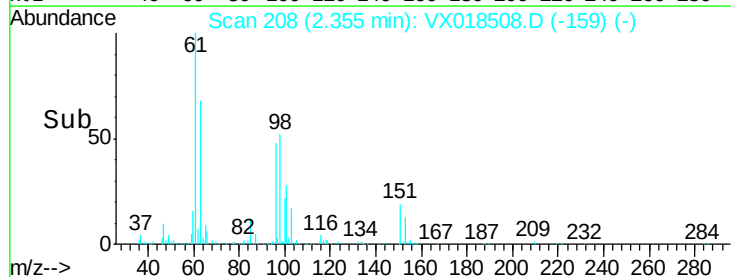
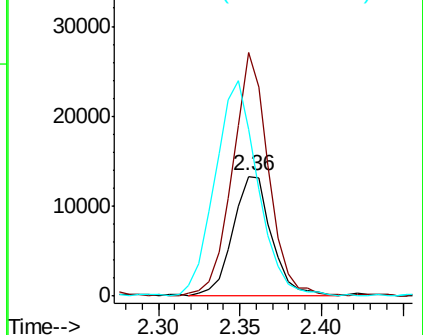
63 139.2 100.3 186.3

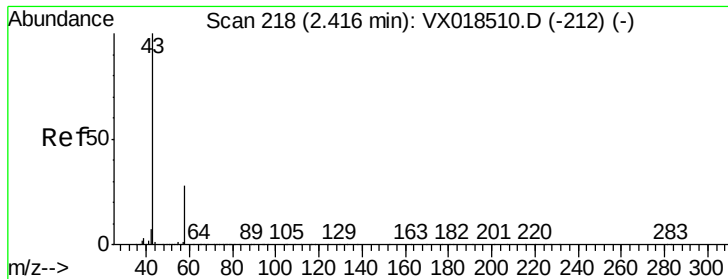


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 11.791 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

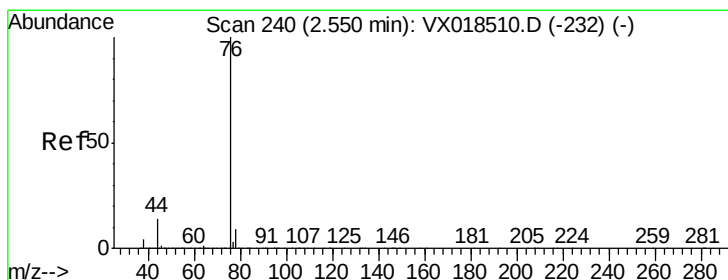
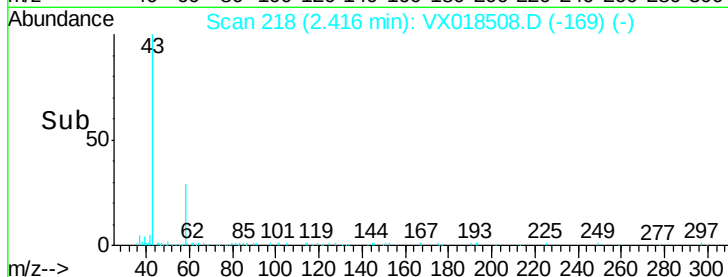
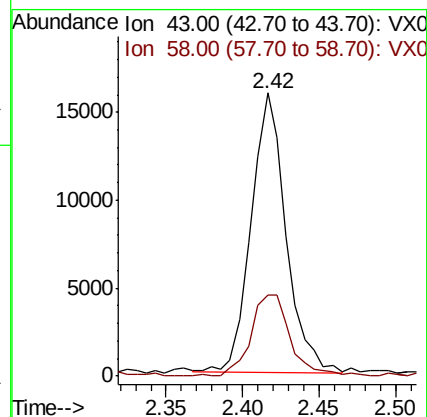
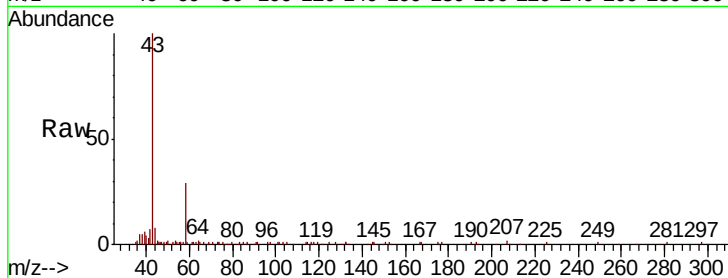
VSTD005401

Tot Ion: 43 Resp: 25127

Ion Ratio Lower Upper

43 100

58 32.6 0.0 57.6



#14

Carbon disulfide

Concen: 5.255 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018508.D

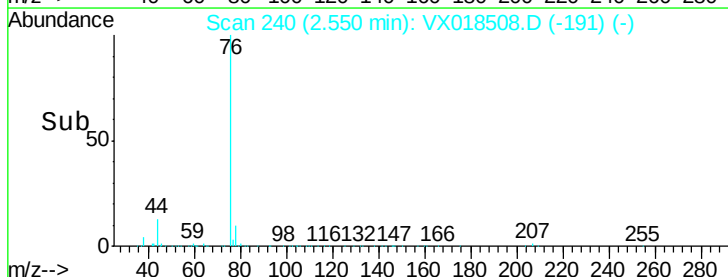
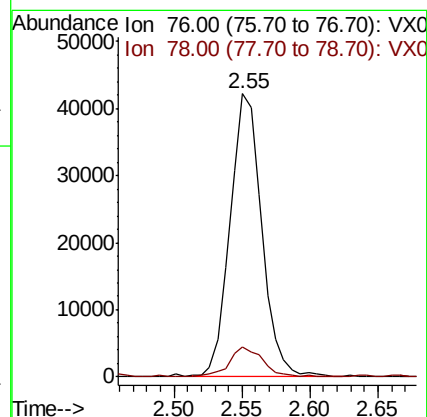
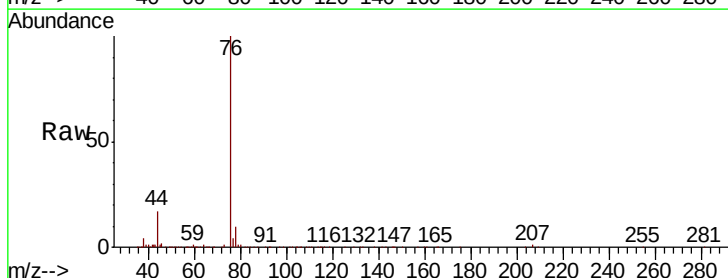
Acq: 21 Sep 2020 11:30

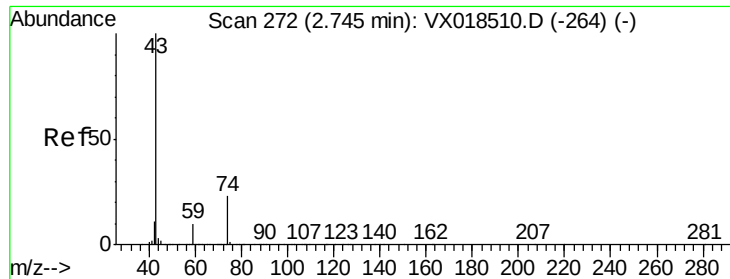
Tgt Ion: 76 Resp: 68502

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2





#15

Methyl Acetate

Concen: 4.942 ug/L

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

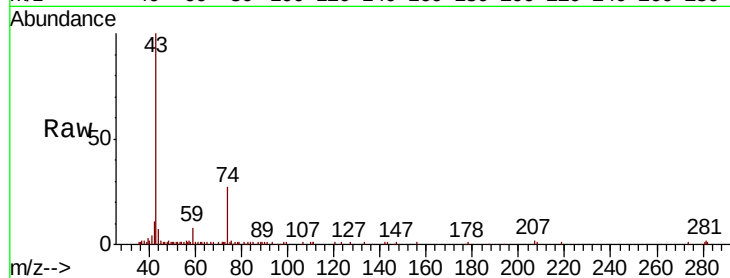
VSTD005401

Tot Ion: 43 Resp: 22961

Ion Ratio Lower Upper

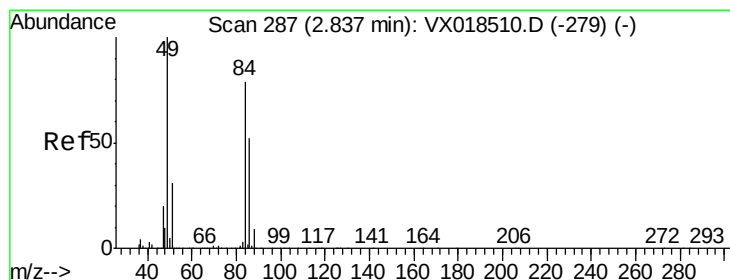
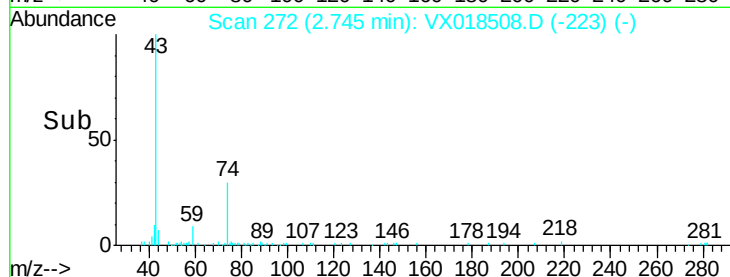
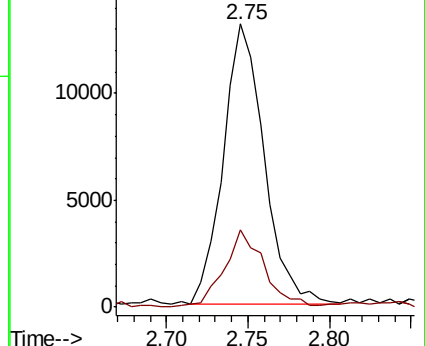
43 100

74 26.9 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: 5.752 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

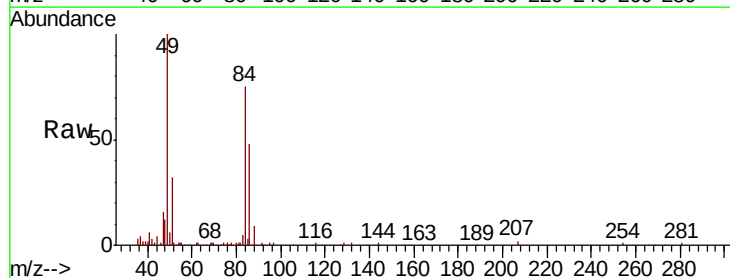
Tgt Ion: 84 Resp: 26381

Ion Ratio Lower Upper

84 100

86 63.8 46.1 85.7

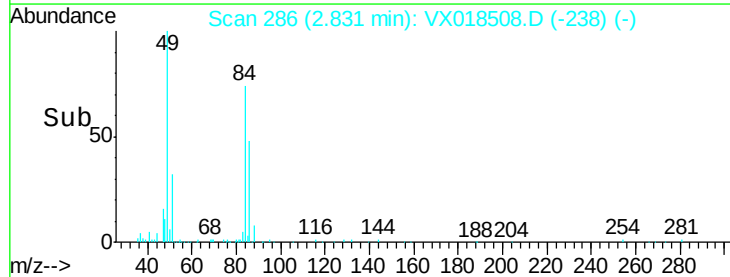
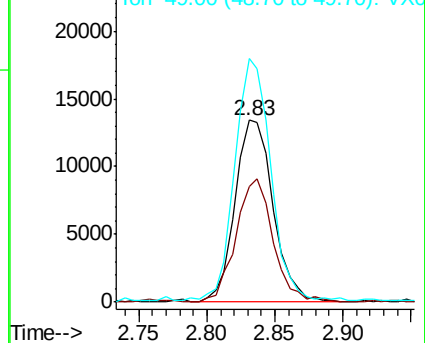
49 134.1 88.5 164.3

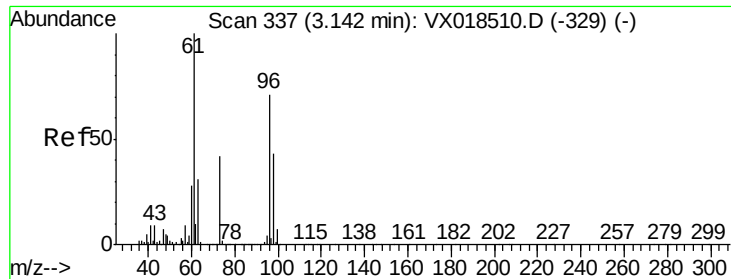


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

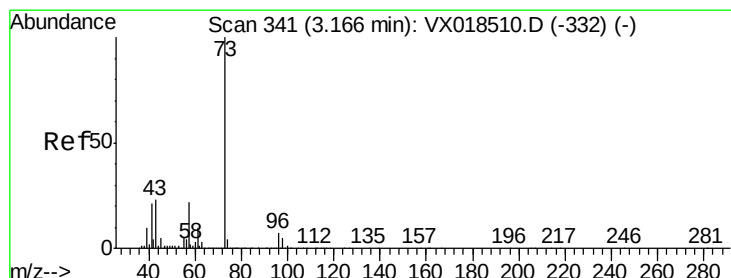
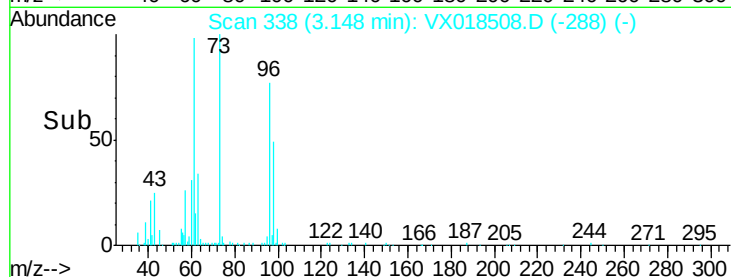
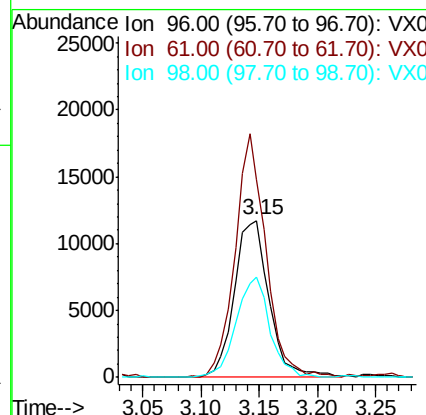
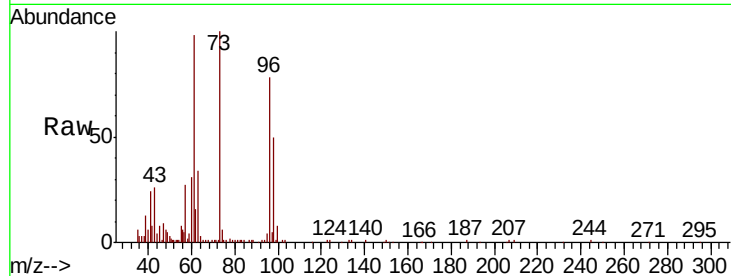




#17
trans-1,2-Dichloroethene
Concen: 5.530 ug/L
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

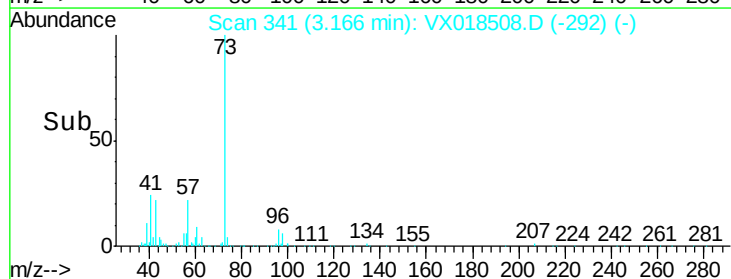
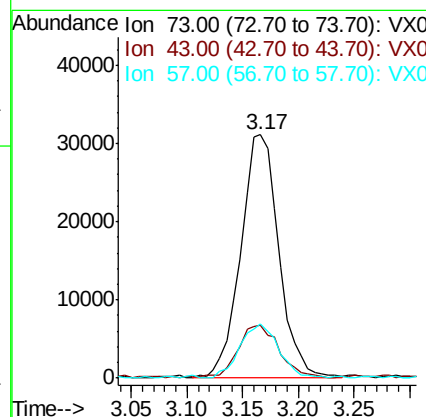
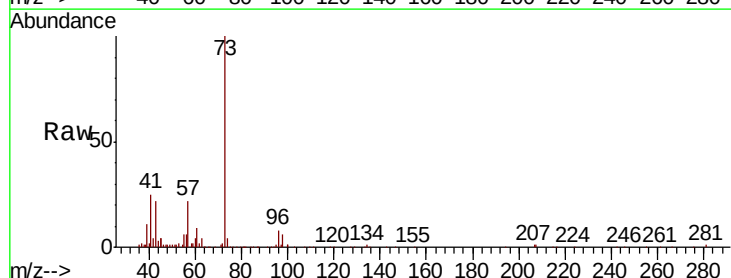
Instrument :
MSVOA_X
ClientSampleId :
VSTD005401

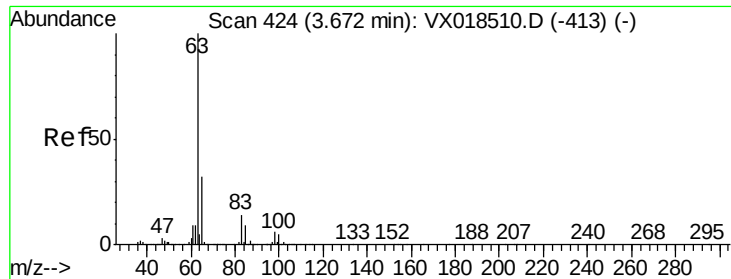
Tot Ion: 96 Resp: 24446
Ion Ratio Lower Upper
96 100
61 126.0 98.3 182.5
98 64.1 42.0 78.0



#18
Methyl tert-butyl Ether
Concen: 5.030 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

Tgt Ion: 73 Resp: 73730
Ion Ratio Lower Upper
73 100
43 23.4 17.8 26.6
57 22.9 17.1 25.7

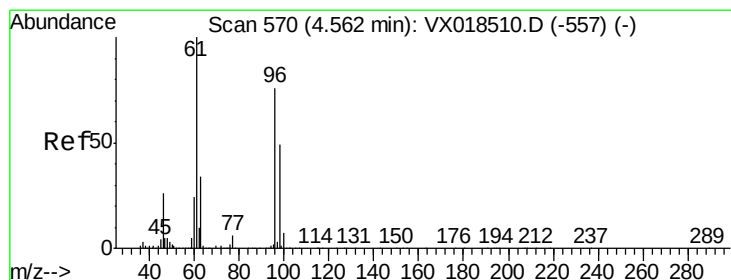
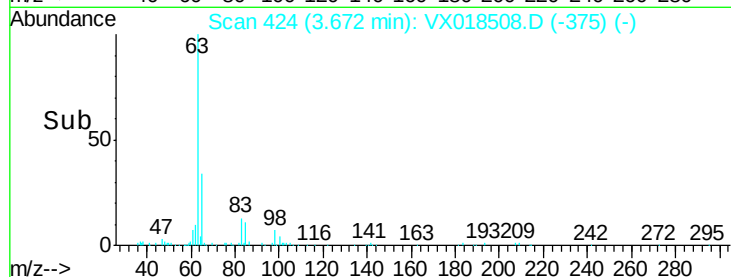
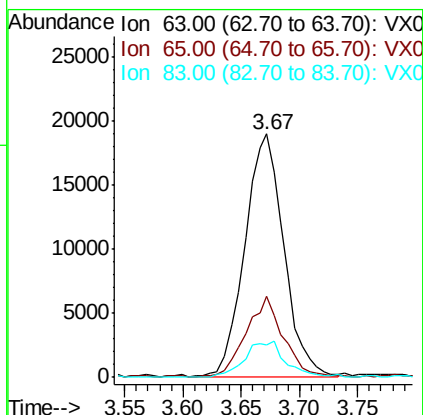
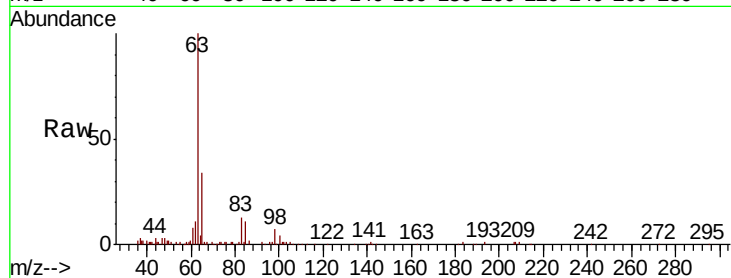




#19
 1,1-Dichloroethane
 Concen: 5.371 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

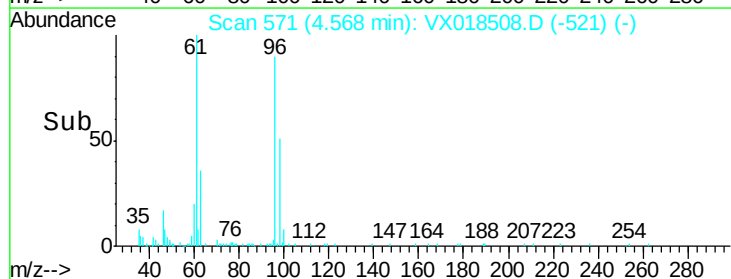
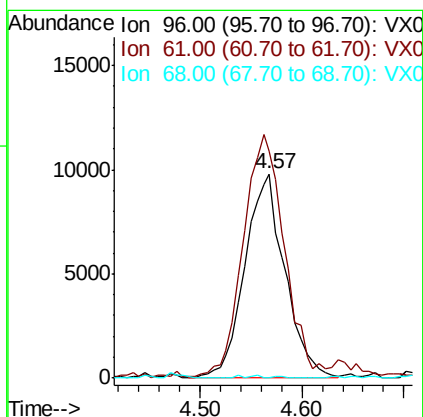
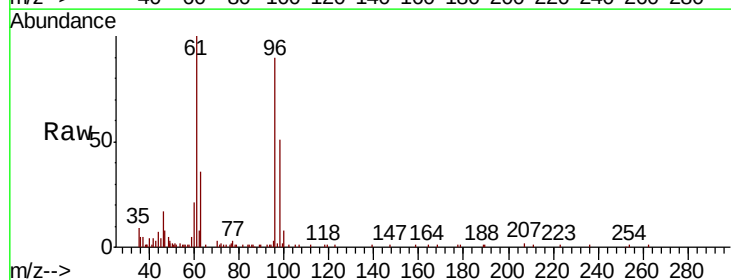
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005401

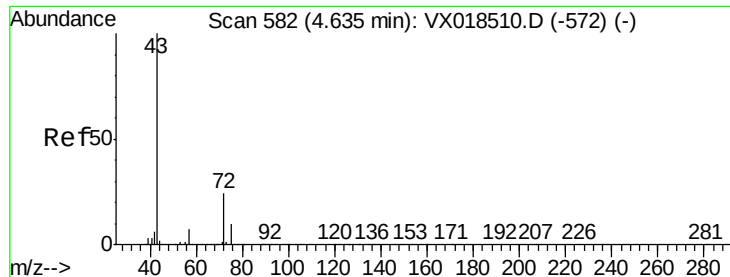
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.5	41.7
83	13.4	9.7	17.9



#20
 cis-1,2-Dichloroethene
 Concen: 5.600 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.1	91.8	170.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 9.988 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

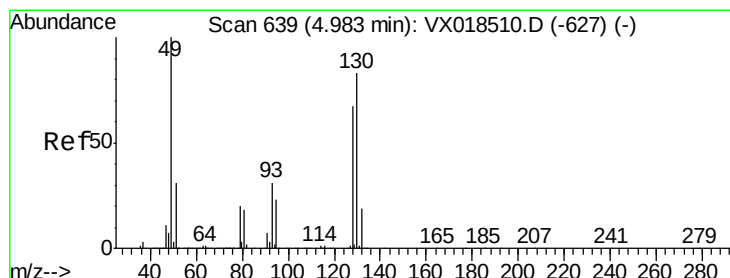
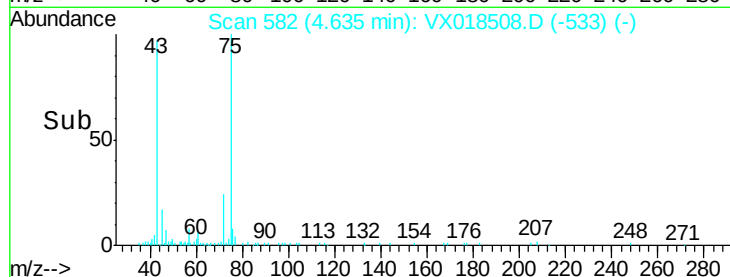
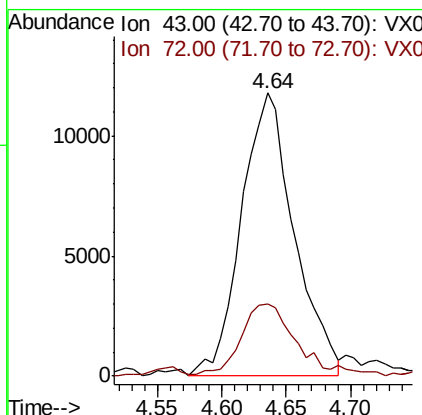
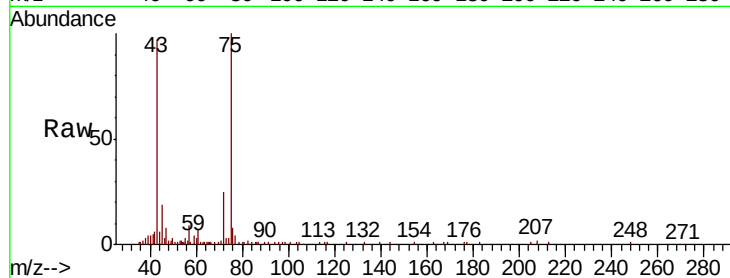
VSTD005401

Tot Ion: 43 Resp: 33525

Ion Ratio Lower Upper

43 100

72 25.1 12.9 38.6



#23

Bromochloromethane

Concen: 3.125 ug/L

RT: 4.97 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Tgt Ion: 128 Resp: 8470

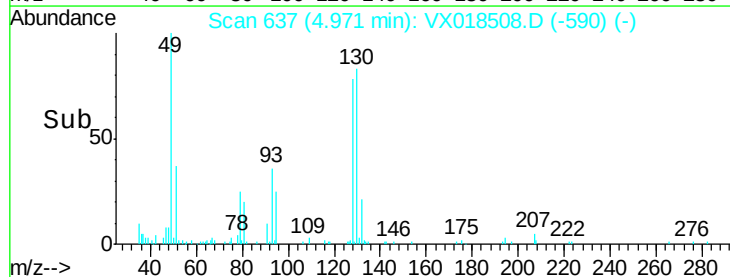
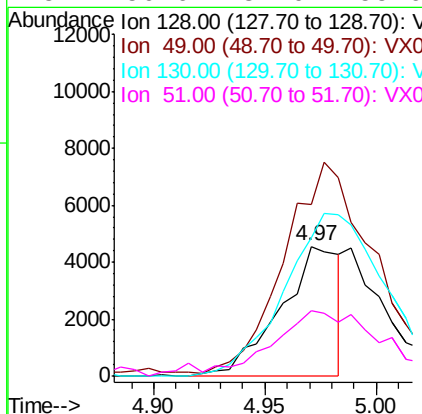
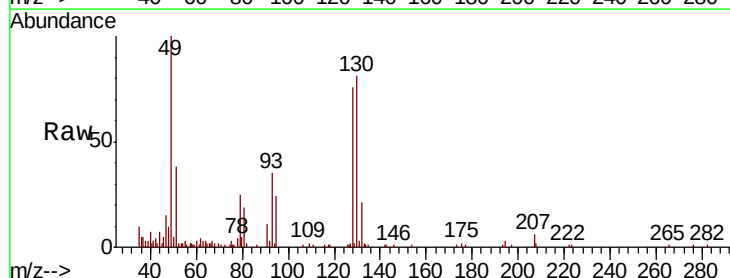
Ion Ratio Lower Upper

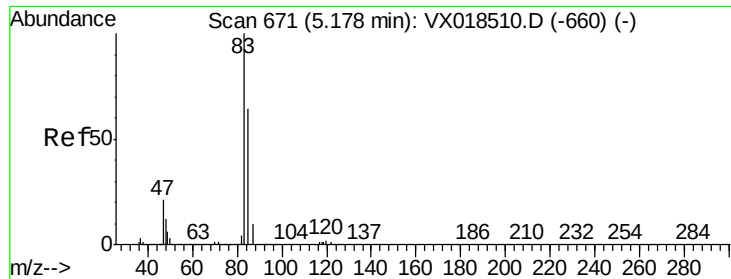
128 100

49 132.1 104.9 194.7

130 107.0 86.5 160.7

51 50.6 37.0 55.6





#25

Chloroform

Concen: 5.415 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

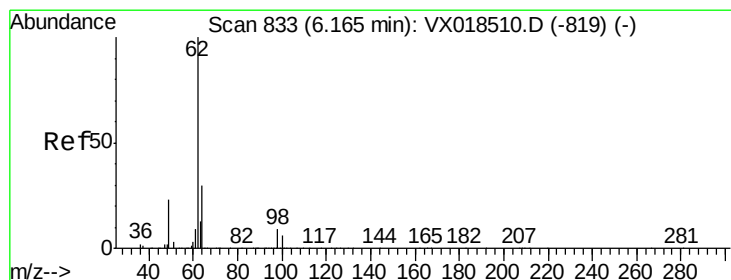
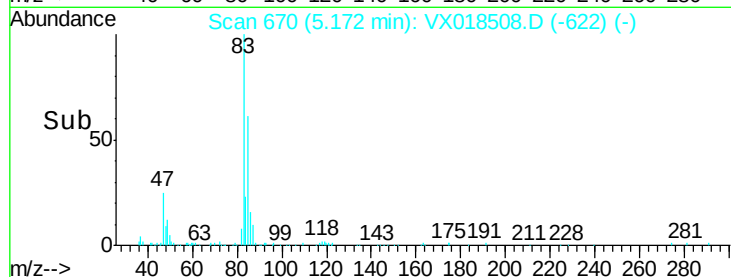
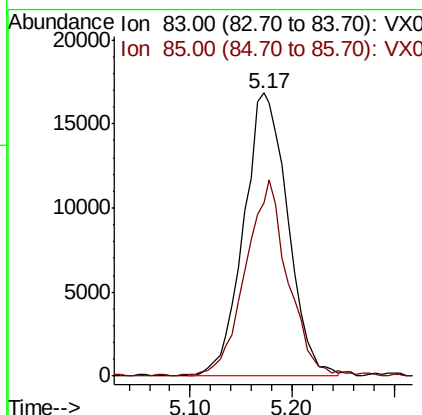
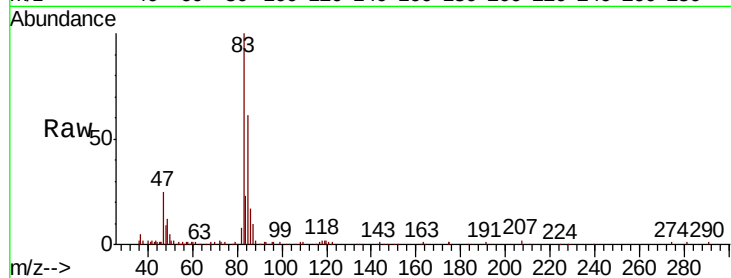
VSTD005401

Tot Ion: 83 Resp: 50585

Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.199 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018508.D

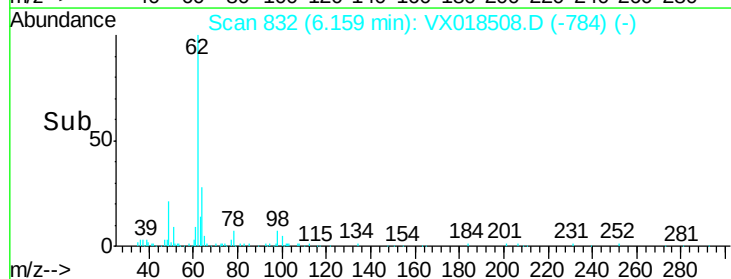
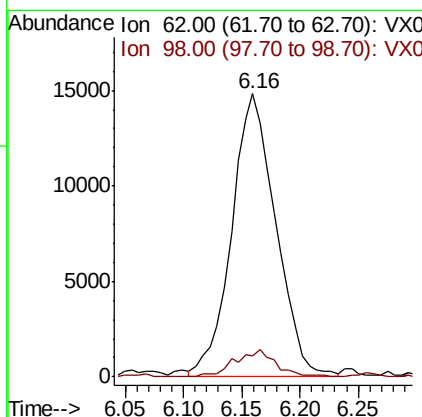
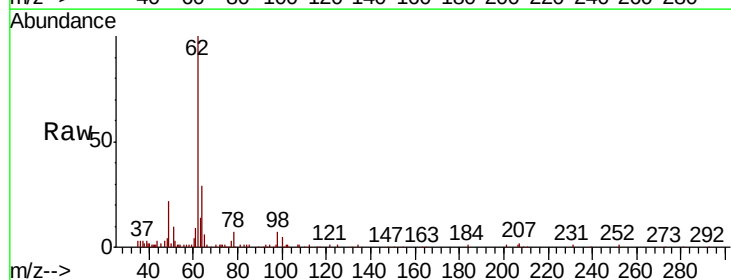
Acq: 21 Sep 2020 11:30

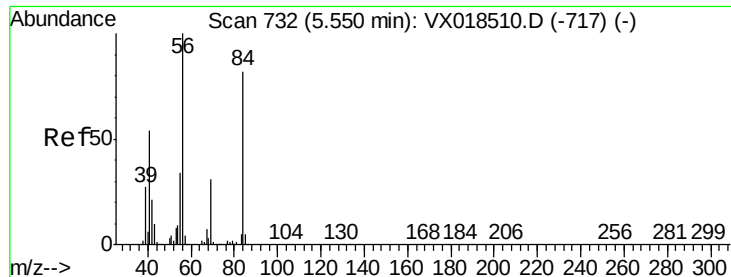
Tgt Ion: 62 Resp: 39125

Ion Ratio Lower Upper

62 100

98 7.3 6.7 10.1

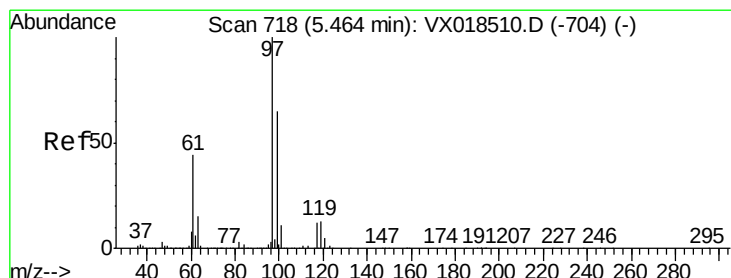
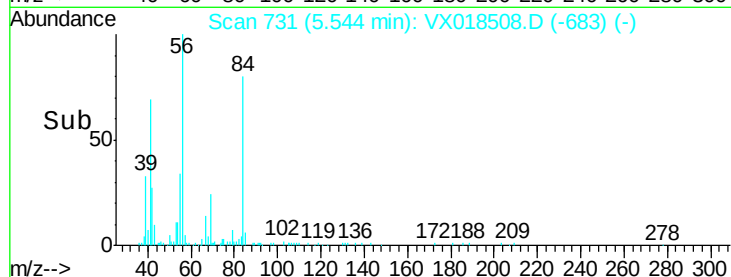
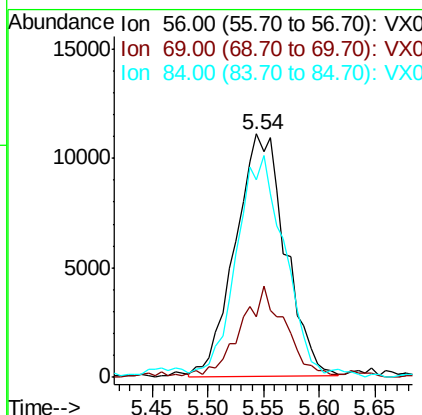
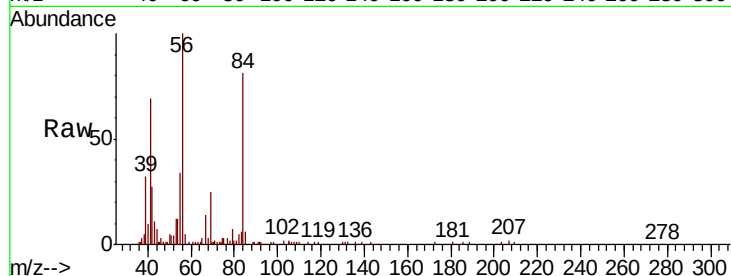




#29
Cyclohexane
Concen: 4.865 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

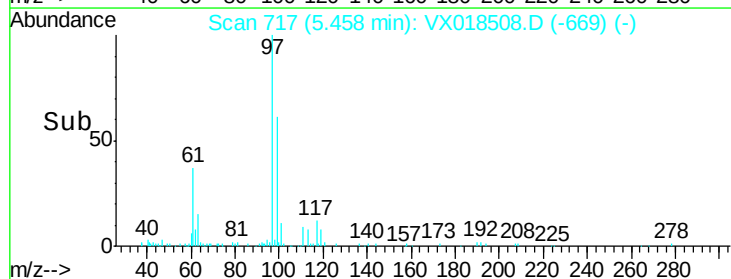
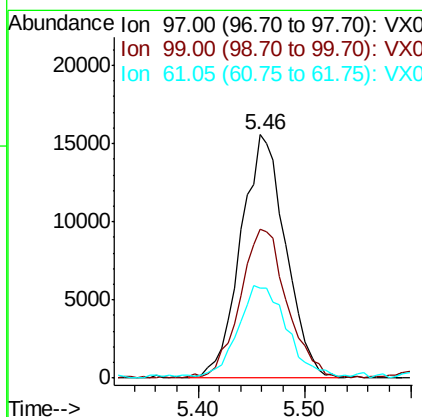
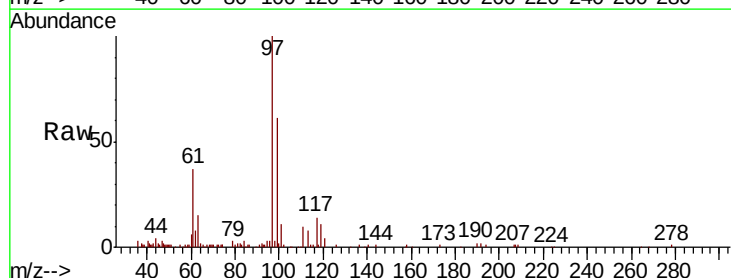
Instrument :
MSVOA_X
ClientSampleId :
VSTD005401

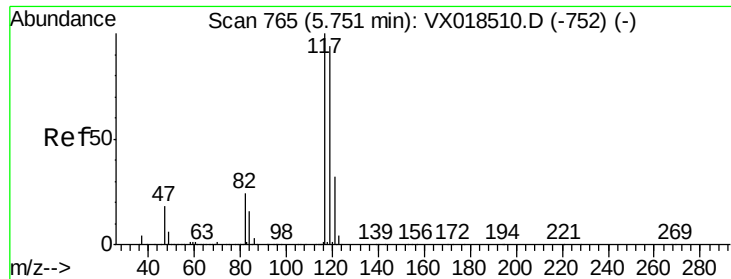
Tot Ion: 56 Resp: 34688
Ion Ratio Lower Upper
56 100
69 18.5 25.2 37.8#
84 83.4 69.1 103.7



#30
1,1,1-Trichloroethane
Concen: 5.360 ug/L
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

Tgt Ion: 97 Resp: 45938
Ion Ratio Lower Upper
97 100
99 63.7 51.9 77.9
61 40.8 34.4 51.6





#31

Carbon tetrachloride

Concen: 5.123 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

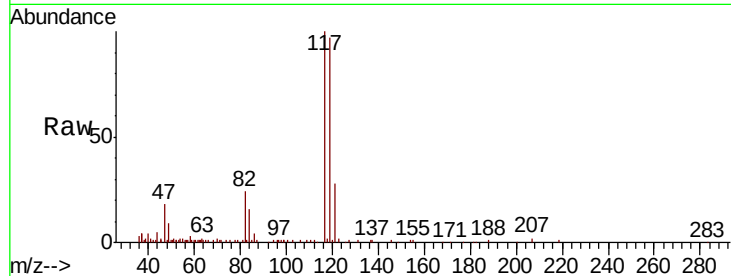
VSTD005401

Tot Ion:117 Resp: 40180

Ion Ratio Lower Upper

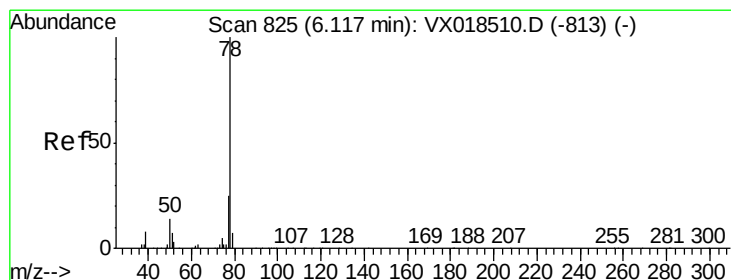
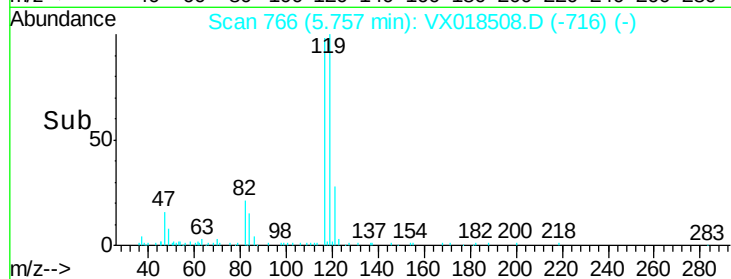
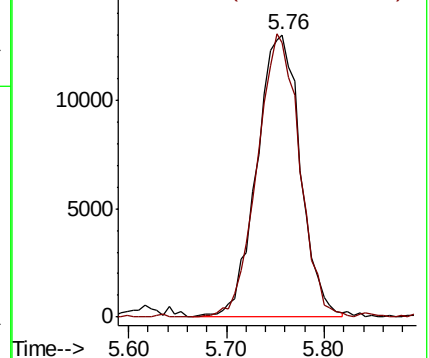
117 100

119 97.5 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: 5.070 ug/L

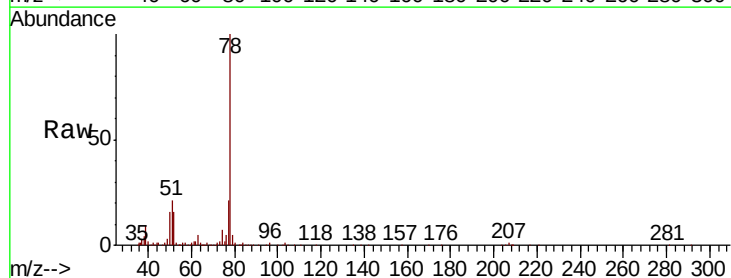
RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

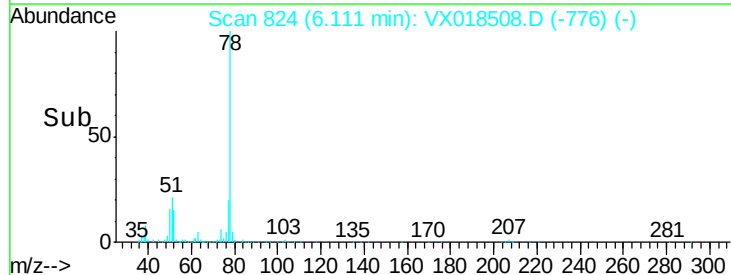
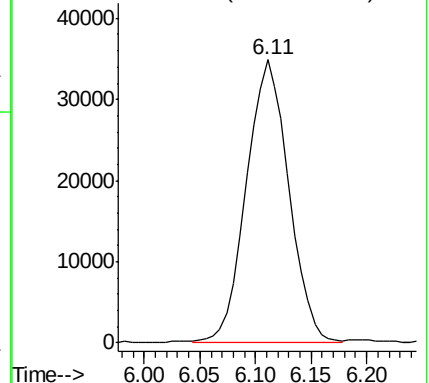
Lab File: VX018508.D

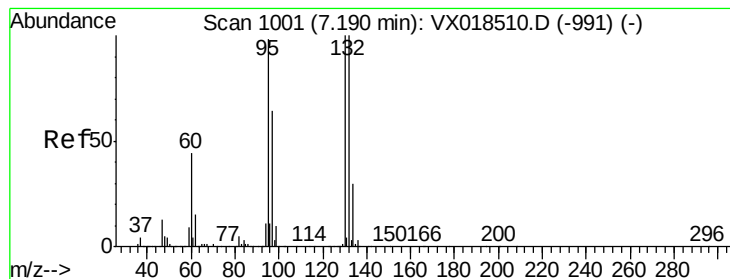
Acq: 21 Sep 2020 11:30

Tgt Ion: 78 Resp: 92363



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 5.377 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

Tot Ion: 95 Resp: 26735

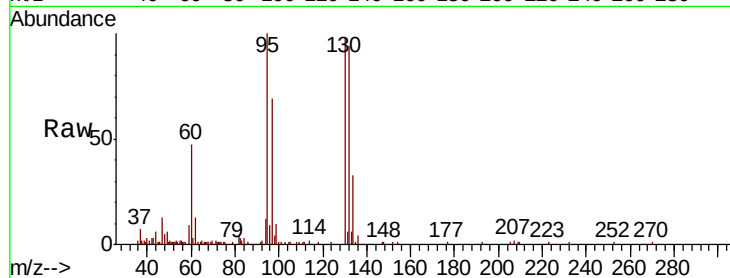
Ion Ratio Lower Upper

95 100

97 68.9 46.0 85.4

132 94.2 71.7 133.1

130 98.4 71.3 132.5

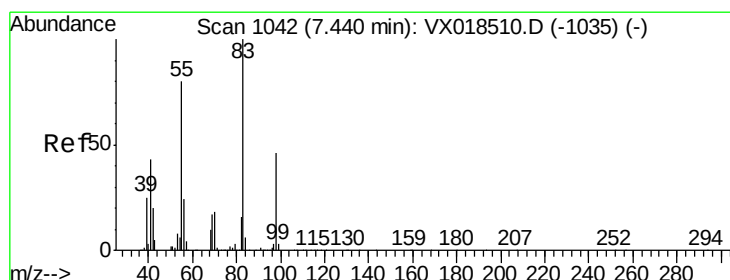
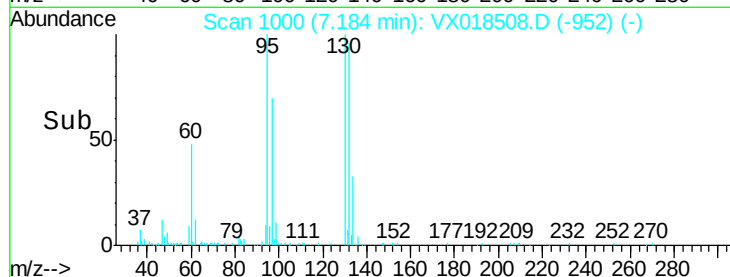
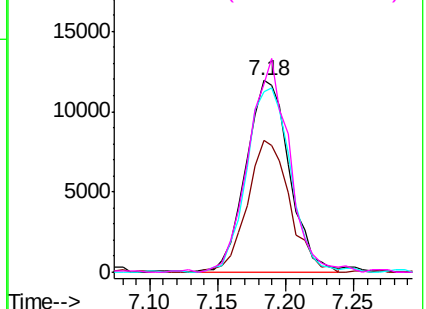


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 5.028 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

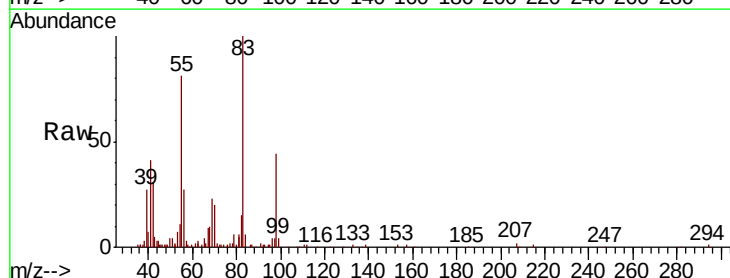
Tgt Ion: 83 Resp: 37560

Ion Ratio Lower Upper

83 100

55 76.5 61.6 92.4

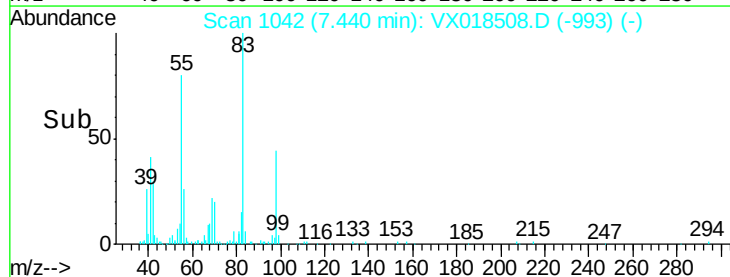
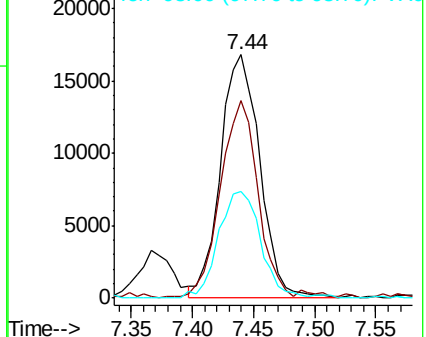
98 46.8 37.0 55.4

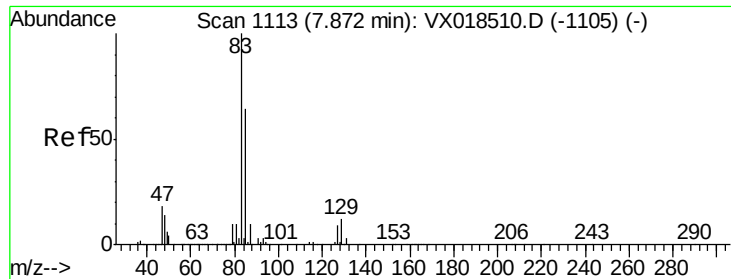


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

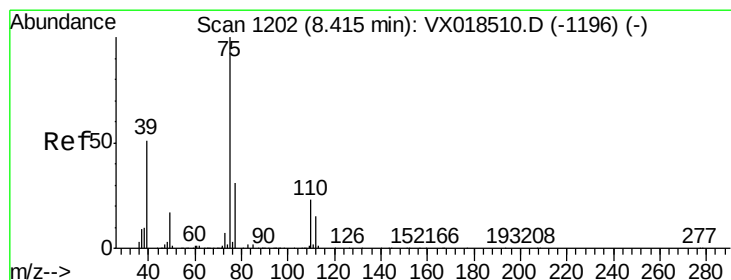
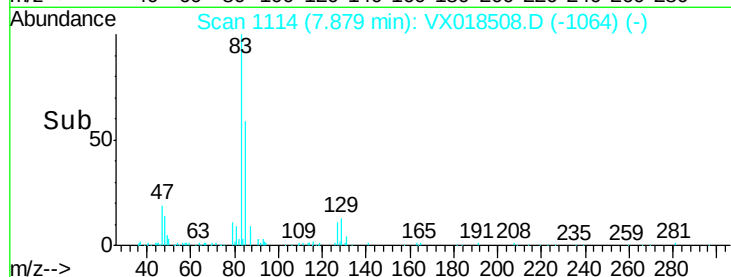
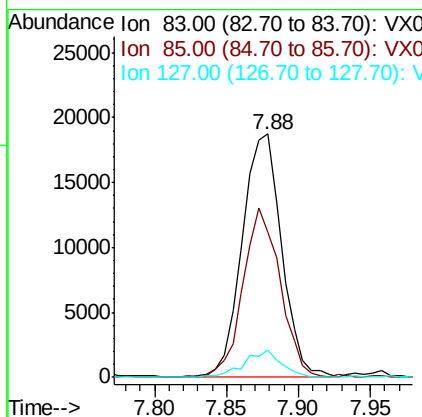
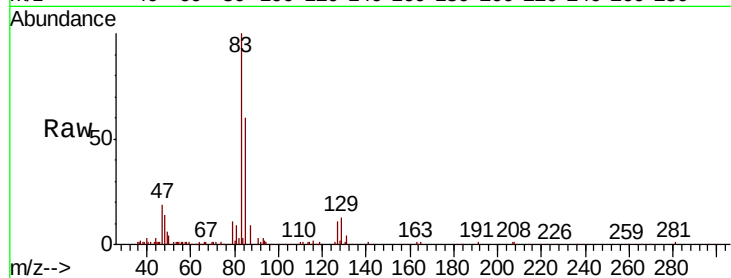




#38
 Bromodichloromethane
 Concen: 5.188 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

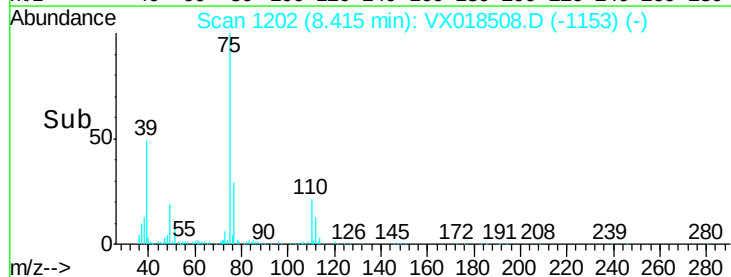
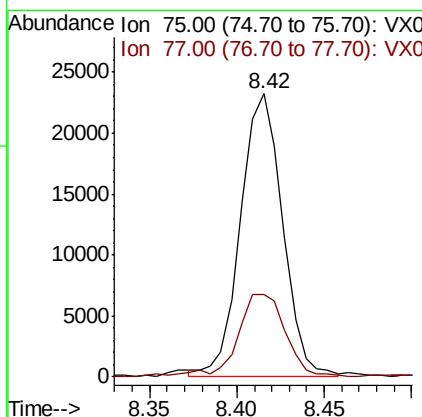
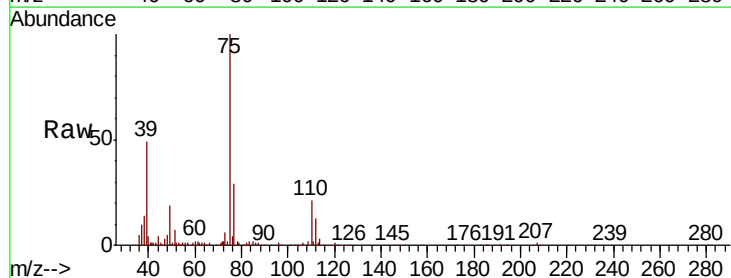
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005401

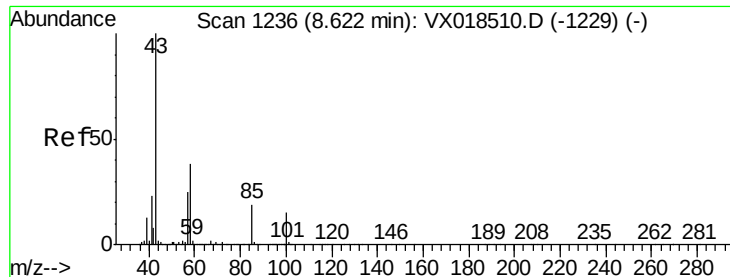
Tot Ion: 83 Resp: 35573
 Ion Ratio Lower Upper
 83 100
 85 59.8 45.0 83.6
 127 11.2 6.9 10.3#



#39
 cis-1,3-Dichloropropene
 Concen: 4.968 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

Tgt Ion: 75 Resp: 38883
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.3 41.3

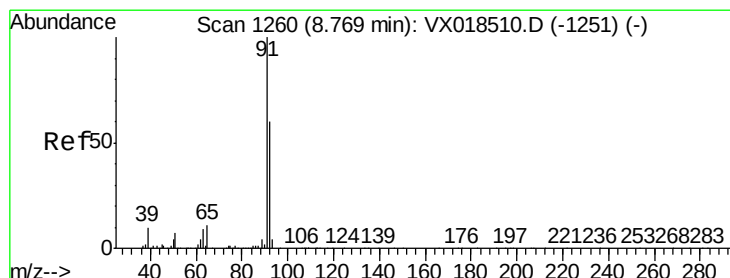
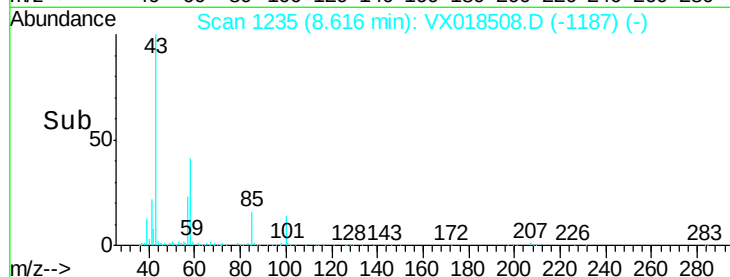
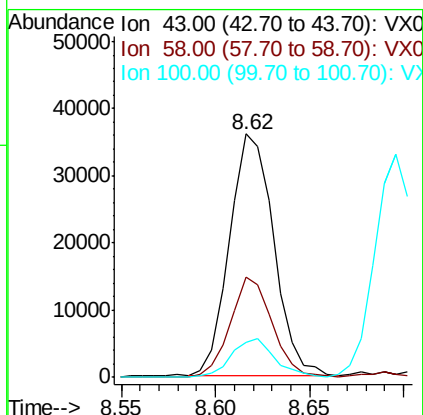
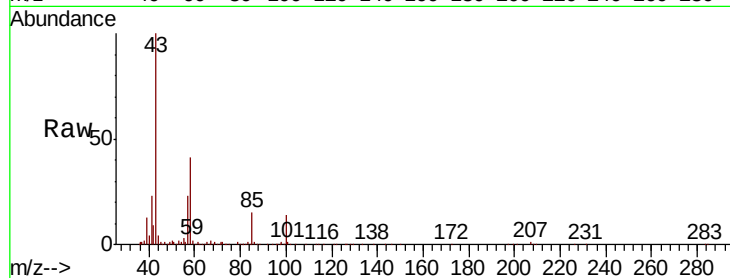




#40
4-Methyl-2-pentanone
Concen: 8.955 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

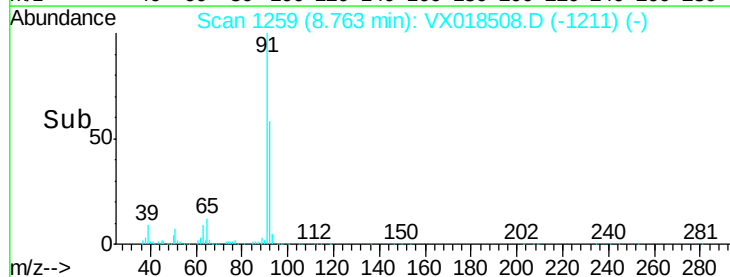
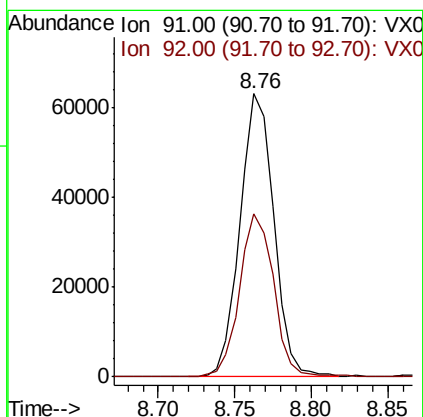
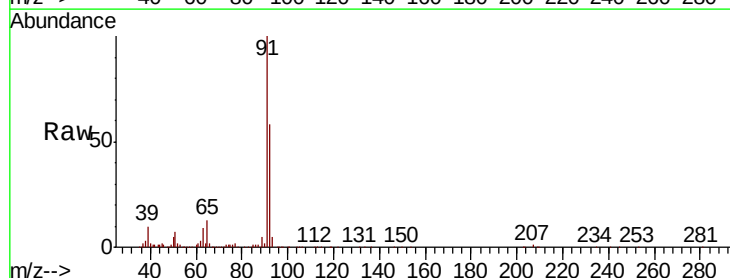
Instrument :
MSVOA_X
ClientSampleId :
VSTD005401

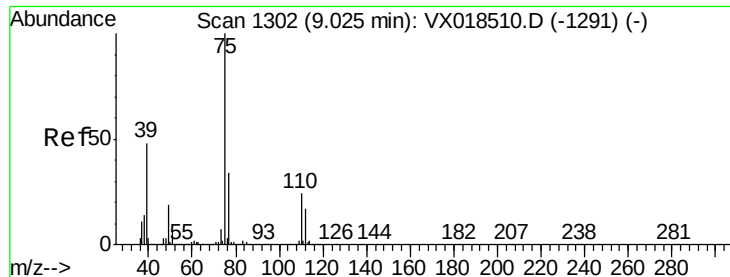
Tot Ion: 43 Resp: 58794
Ion Ratio Lower Upper
43 100
58 39.5 30.6 45.8
100 15.7 12.2 18.2



#42
Toluene
Concen: 4.862 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

Tgt Ion: 91 Resp: 97208
Ion Ratio Lower Upper
91 100
92 57.6 41.9 77.7





#44

trans-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

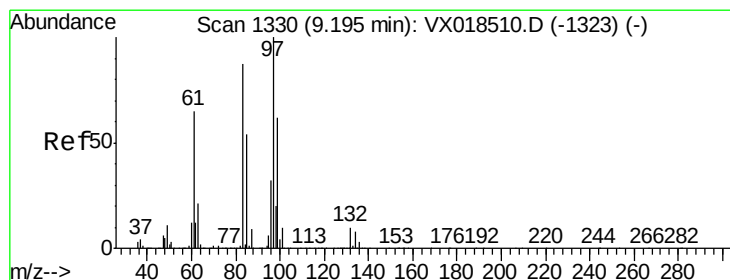
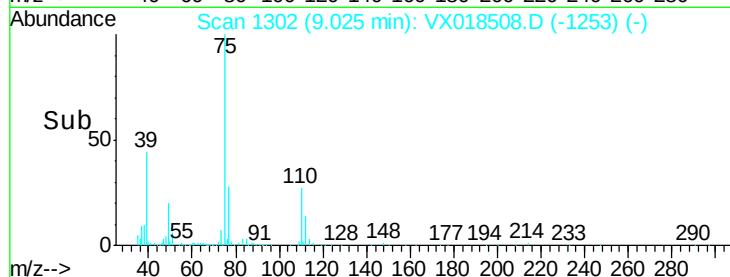
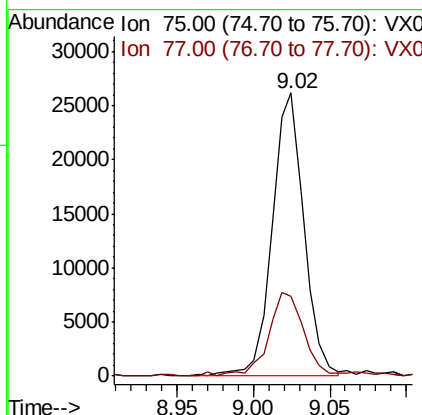
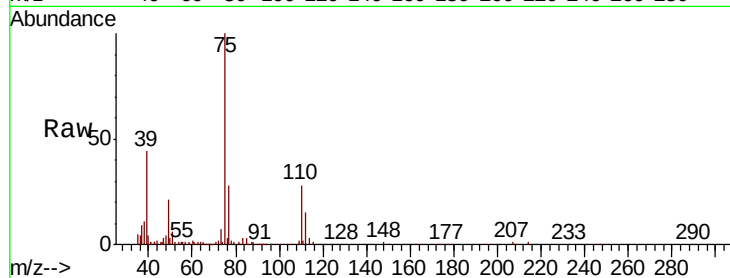
VSTD005401

Tot Ion: 75 Resp: 37771

Ion Ratio Lower Upper

75 100

77 28.1 23.6 43.8



#45

1,1,2-Trichloroethane

Concen: 5.068 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Tgt Ion: 97 Resp: 23917

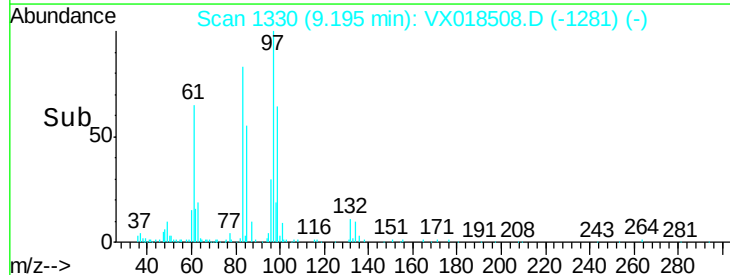
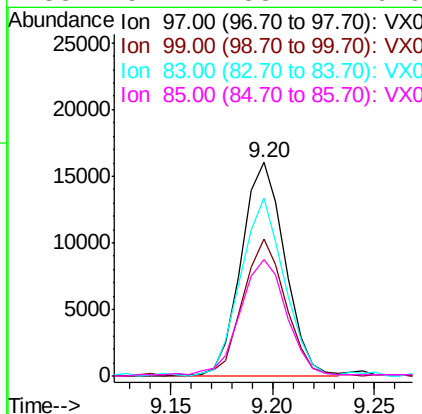
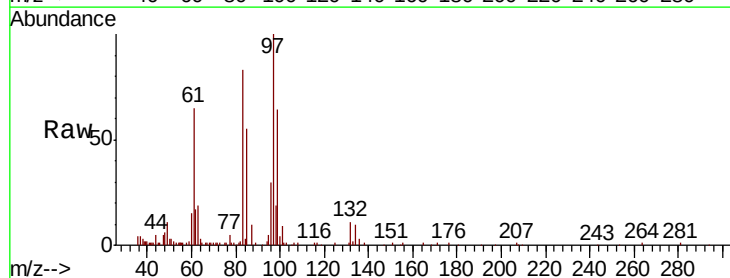
Ion Ratio Lower Upper

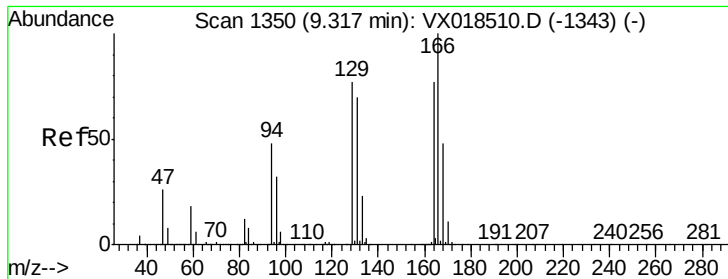
97 100

99 64.2 43.5 80.9

83 83.4 60.8 113.0

85 54.7 38.1 70.9

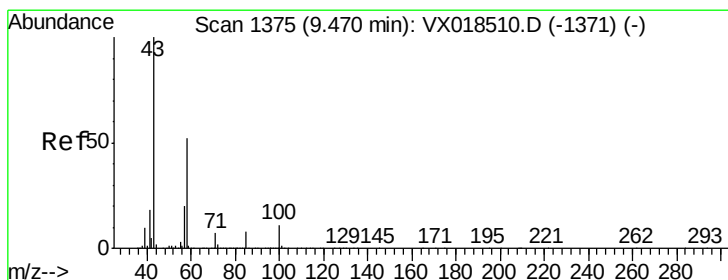
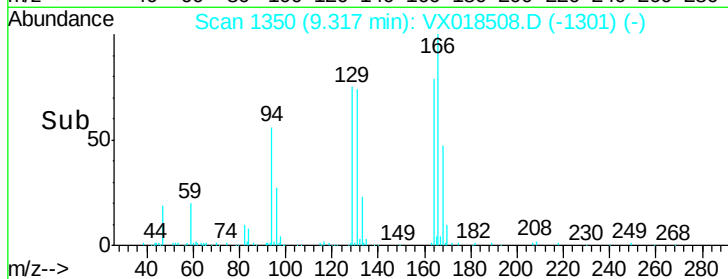
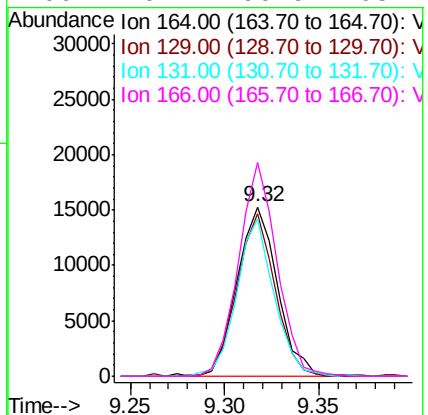
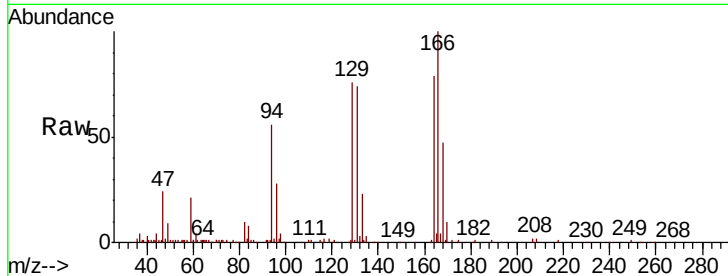




#46
Tetrachloroethene
Concen: 5.474 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

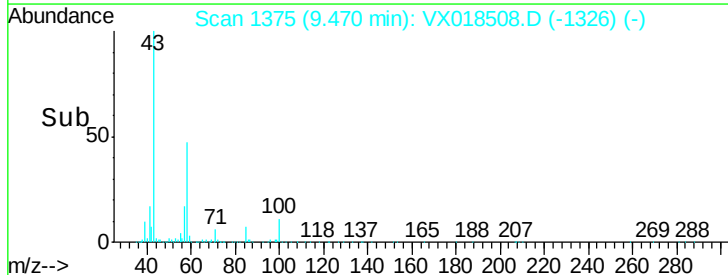
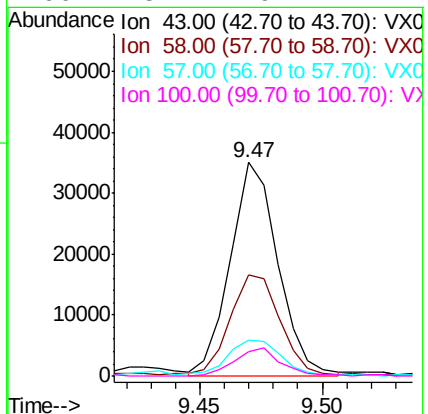
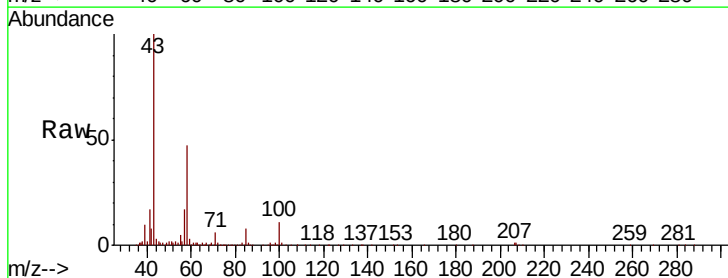
Instrument :
MSVOA_X
ClientSampleId :
VSTD005401

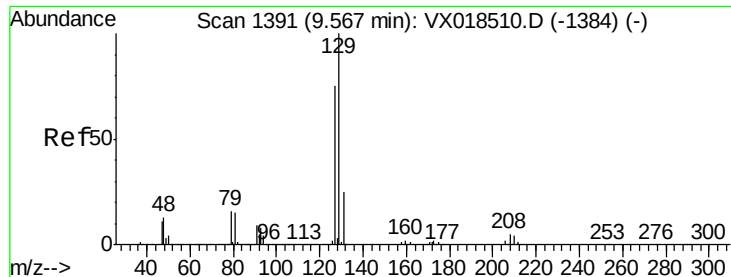
Tot Ion:	164	Resp:	22654
Ion	Ratio	Lower	Upper
164	100		
129	95.6	69.7	129.5
131	93.3	63.4	117.8
166	126.1	90.9	168.7



#48
2-Hexanone
Concen: 9.274 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX018508.D
Acq: 21 Sep 2020 11:30

Tgt Ion:	43	Resp:	47339
Ion	Ratio	Lower	Upper
43	100		
58	50.4	43.0	64.6
57	18.7	15.6	23.4
100	13.1	9.4	14.2





#49

Dibromochloromethane

Concen: 4.979 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

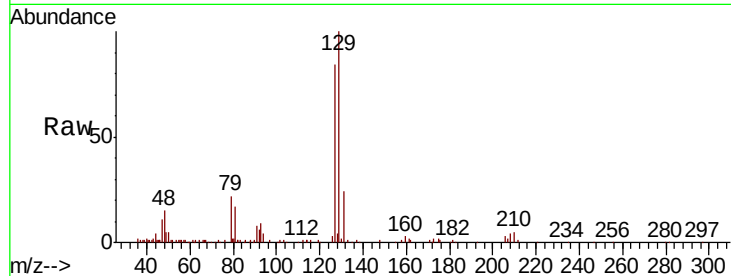
VSTD005401

Tot Ion:129 Resp: 29254

Ion Ratio Lower Upper

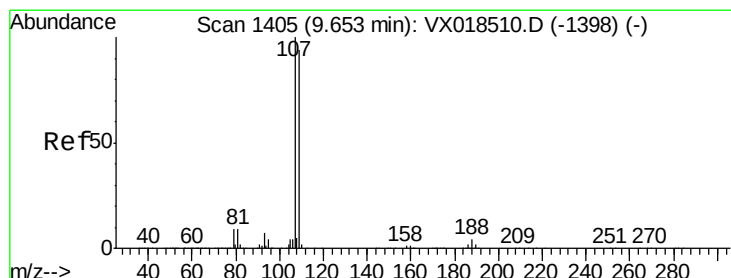
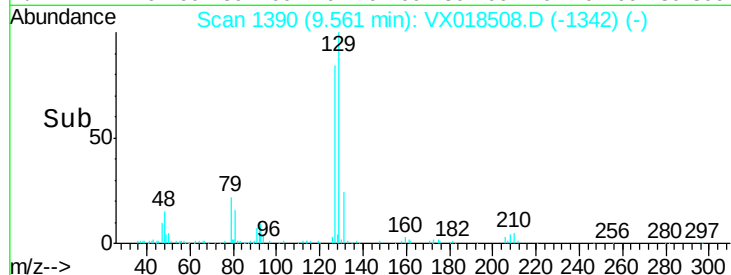
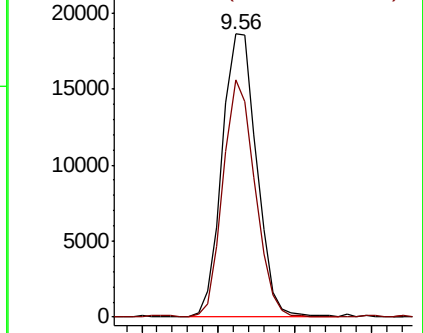
129 100

127 84.0 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.960 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

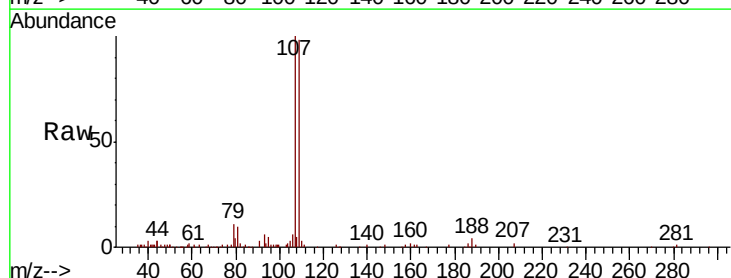
Tgt Ion:107 Resp: 25330

Ion Ratio Lower Upper

107 100

109 97.8 65.7 121.9

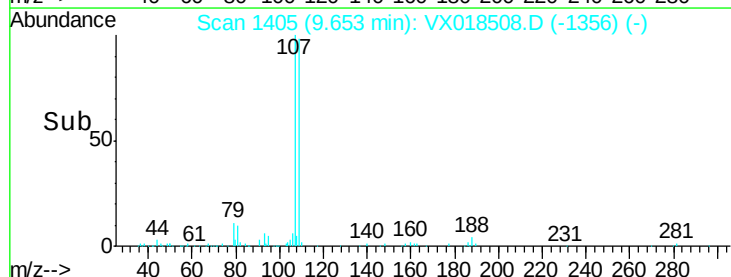
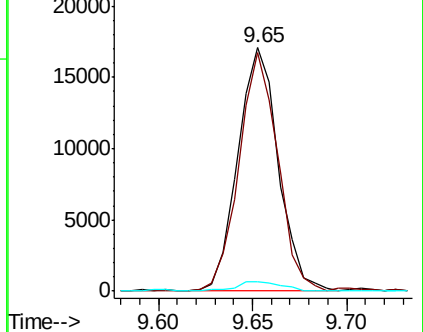
188 3.8 3.0 4.4

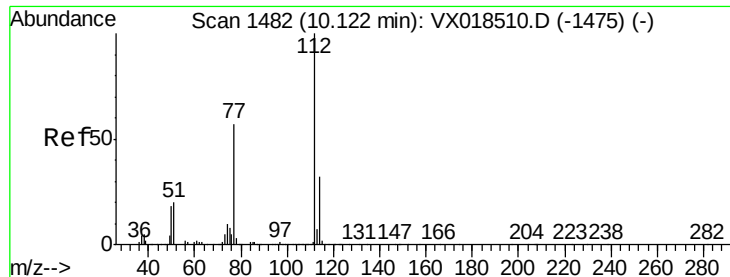


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 5.038 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

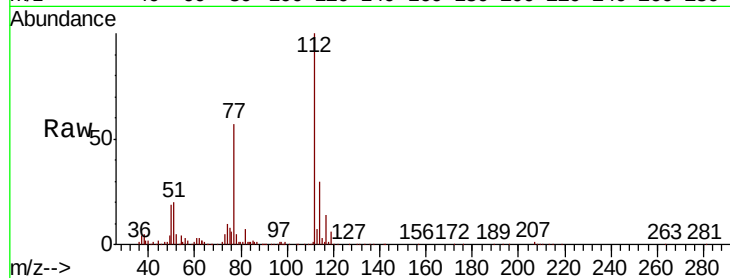
Tot Ion:112 Resp: 66661

Ion Ratio Lower Upper

112 100

114 30.0 22.2 41.2

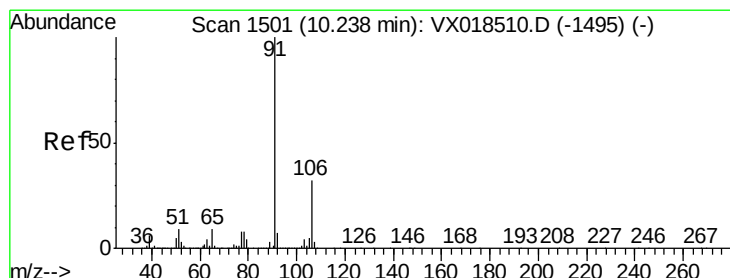
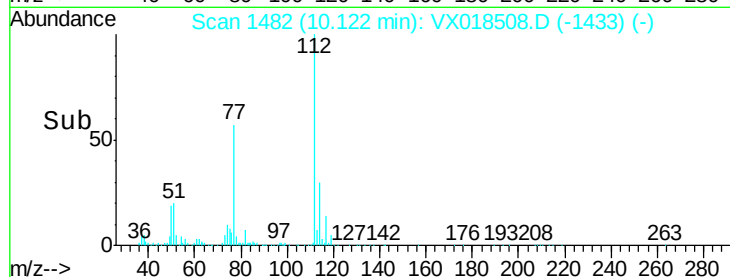
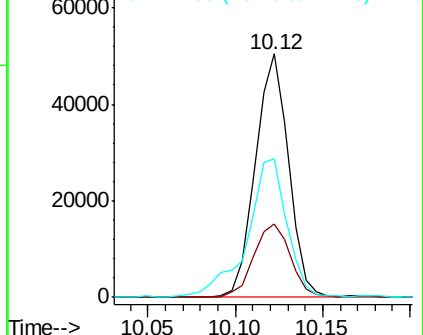
77 56.9 46.1 69.1



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: 4.740 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018508.D

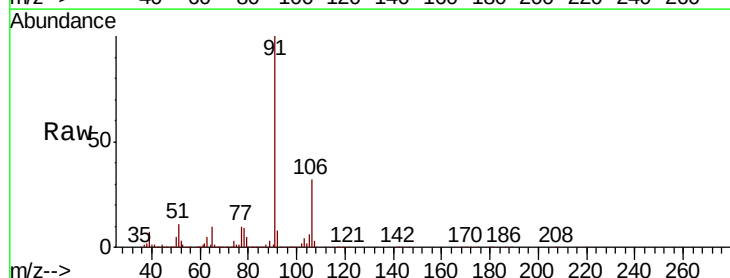
Acq: 21 Sep 2020 11:30

Tgt Ion: 91 Resp: 104872

Ion Ratio Lower Upper

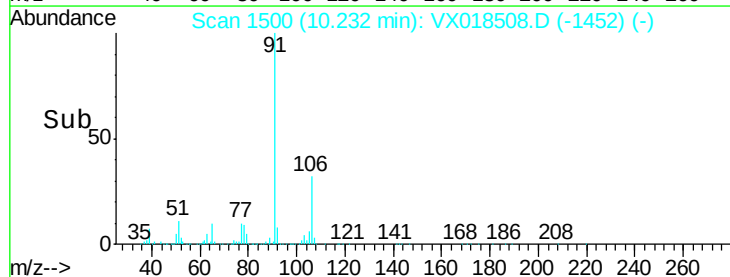
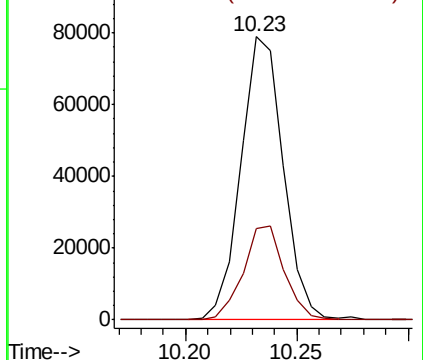
91 100

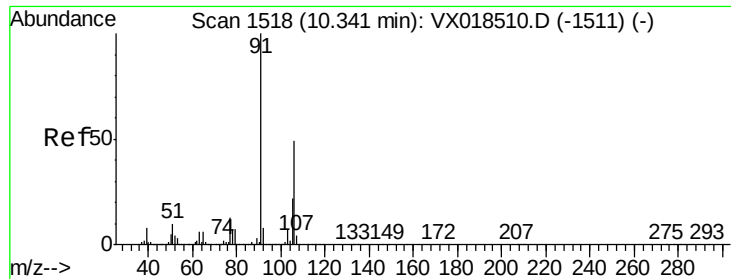
106 32.4 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.600 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

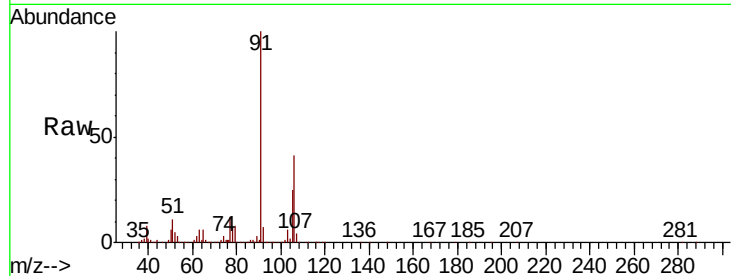
VSTD005401

Tot Ion:106 Resp: 39692

Ion Ratio Lower Upper

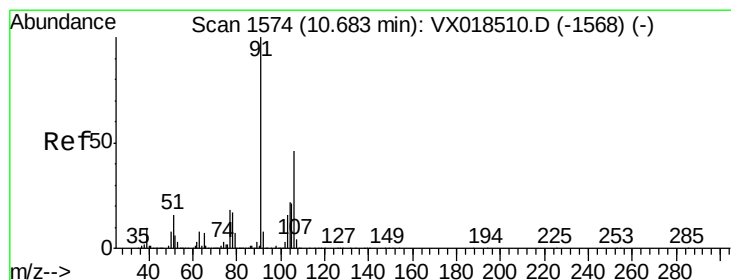
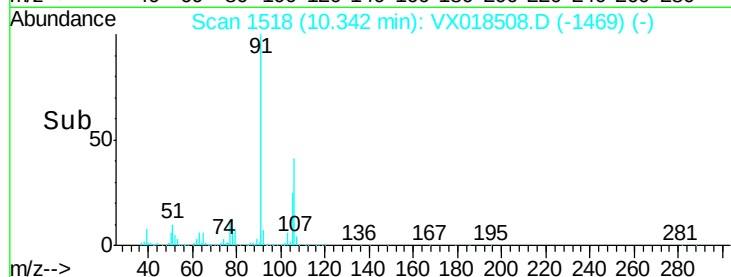
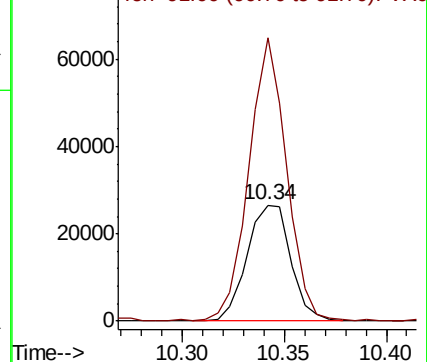
106 100

91 244.6 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#54

o-Xylene

Concen: 4.556 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018508.D

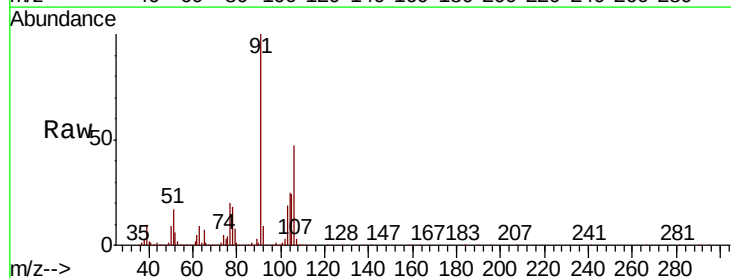
Acq: 21 Sep 2020 11:30

Tgt Ion:106 Resp: 38061

Ion Ratio Lower Upper

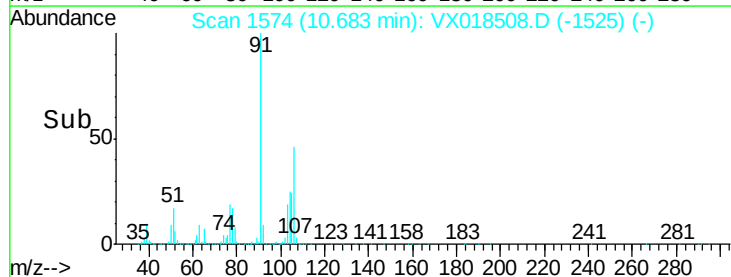
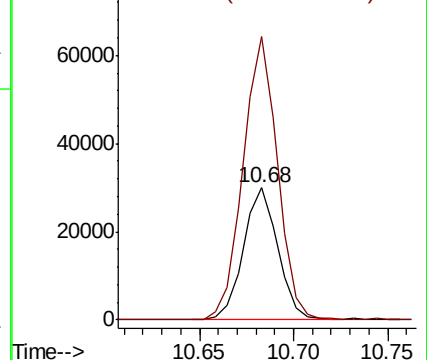
106 100

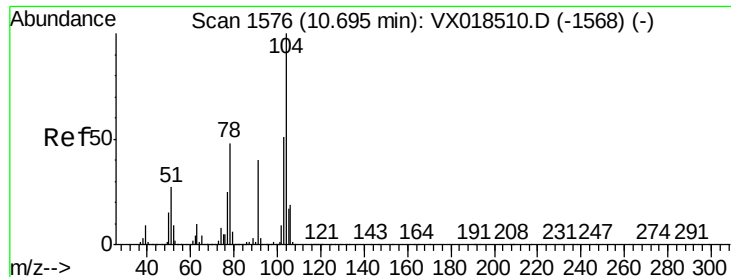
91 214.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#55

Stvrene

Concen: 4.407 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

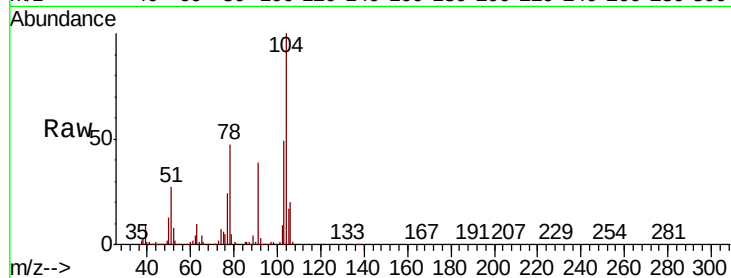
VSTD005401

Tot Ion:104 Resp: 62863

Ion Ratio Lower Upper

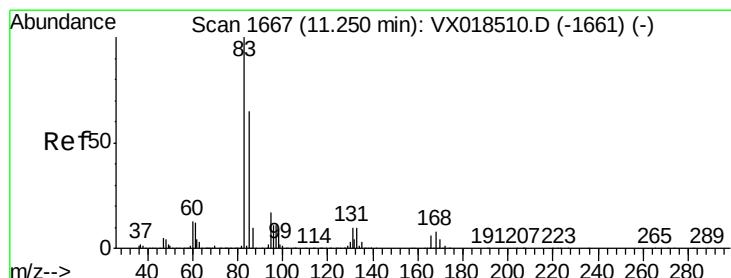
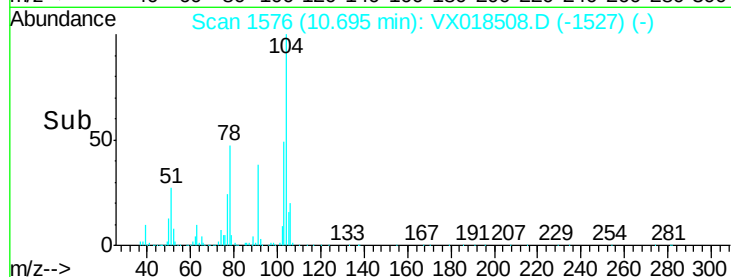
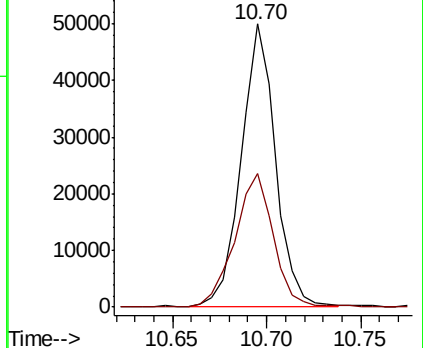
104 100

78 47.4 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0



#57

1,1,2,2-Tetrachloroethane

Concen: 5.017 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

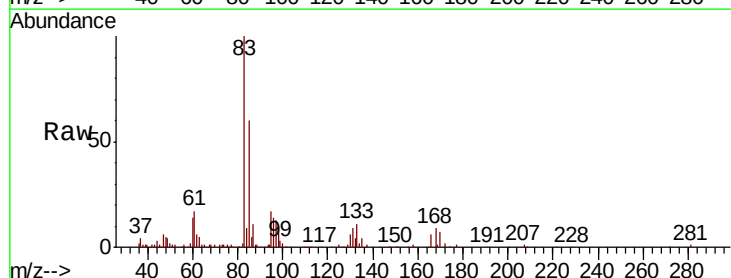
Tgt Ion: 83 Resp: 35870

Ion Ratio Lower Upper

83 100

85 60.0 45.6 84.8

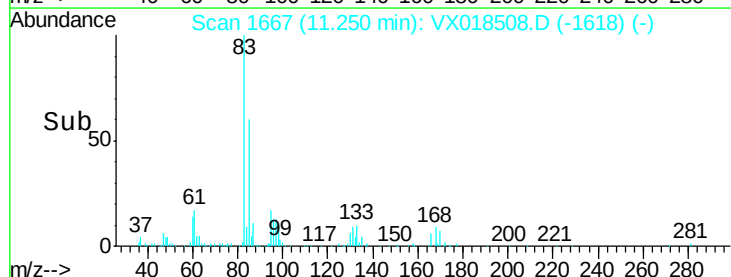
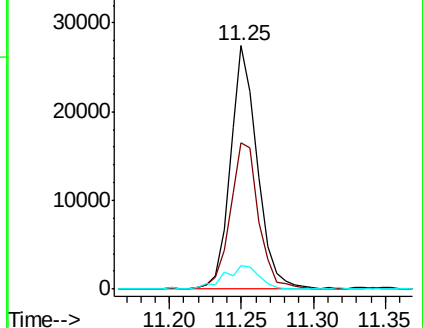
131 9.4 8.0 12.0

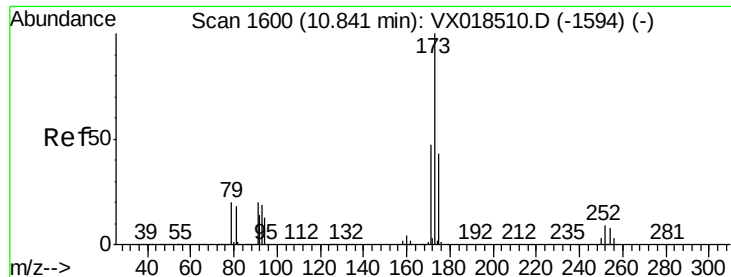


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 4.901 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

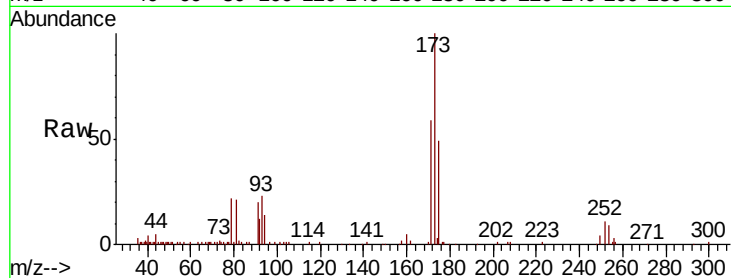
Tot Ion:173 Resp: 20825

Ion Ratio Lower Upper

173 100

175 51.2 37.7 56.5

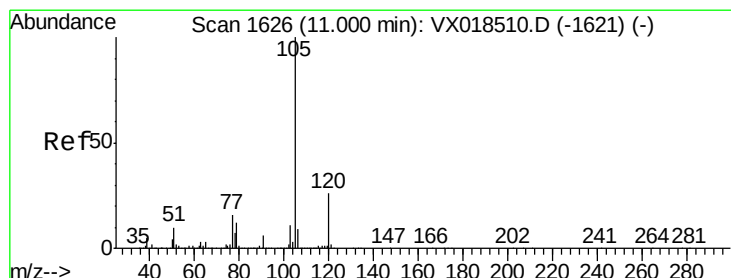
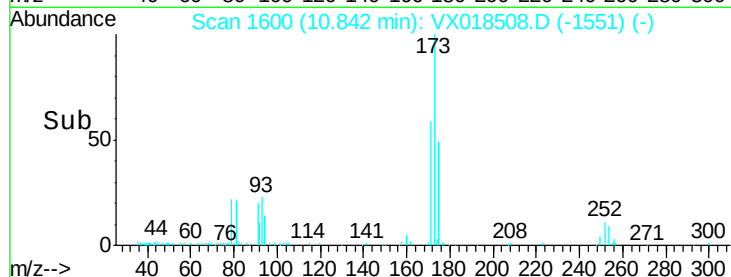
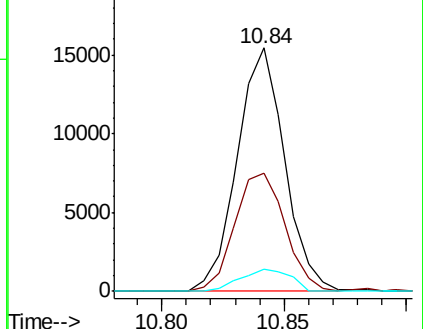
254 9.6 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 4.762 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

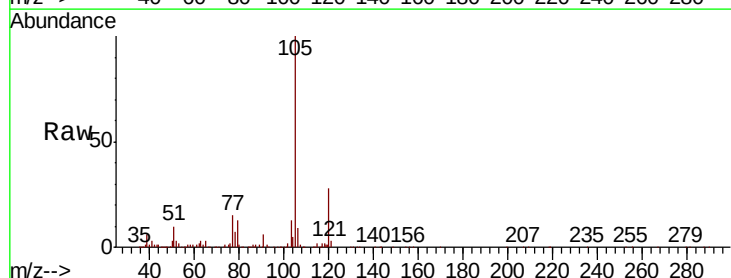
Tgt Ion:105 Resp: 99734

Ion Ratio Lower Upper

105 100

120 26.2 21.8 32.8

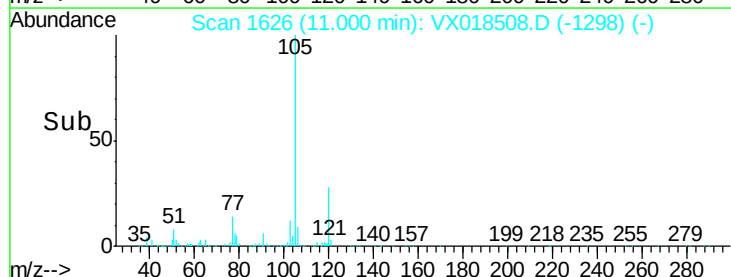
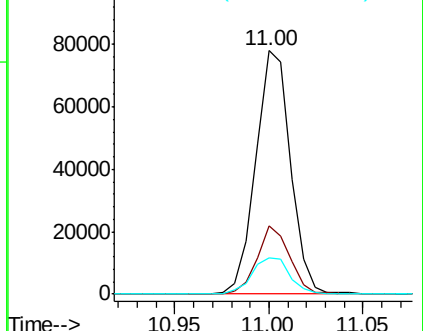
77 16.1 12.7 19.1

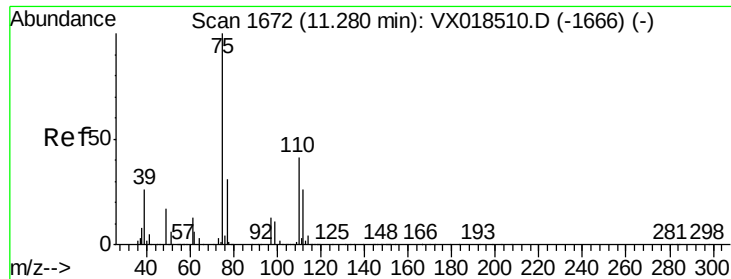


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 5.418 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

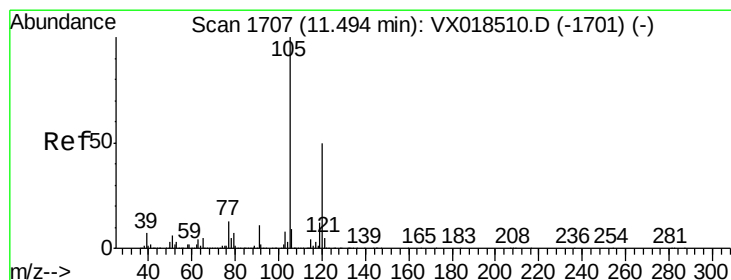
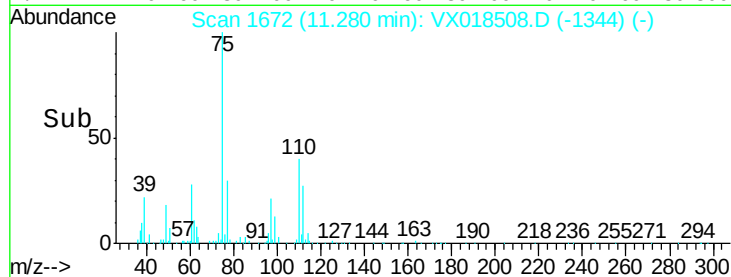
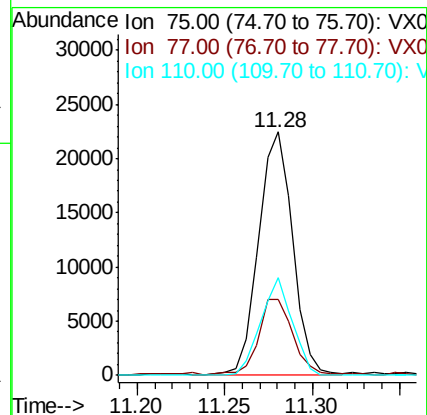
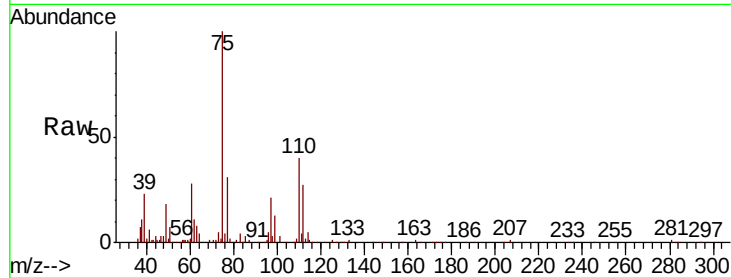
Tot Ion: 75 Resp: 30269

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0

110 37.3 32.4 48.6



#62

1,3,5-Trimethylbenzene

Concen: 4.483 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018508.D

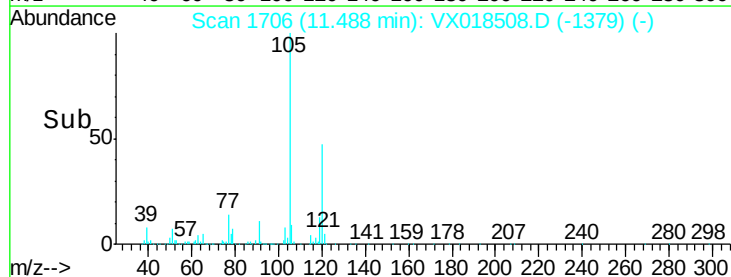
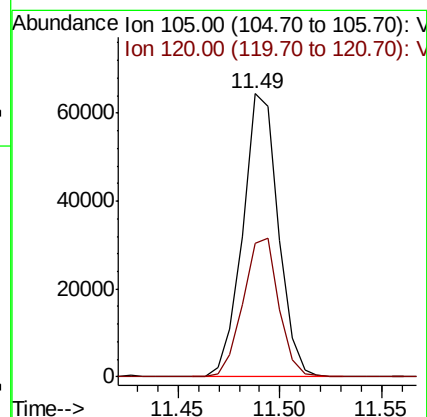
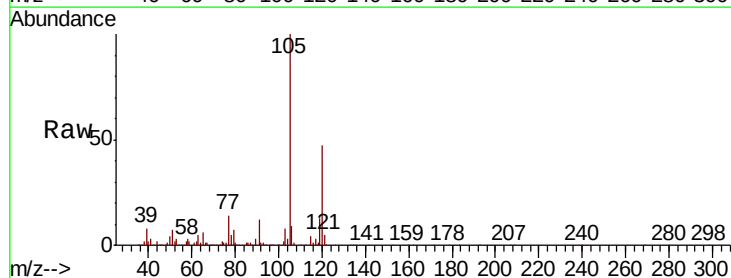
Acq: 21 Sep 2020 11:30

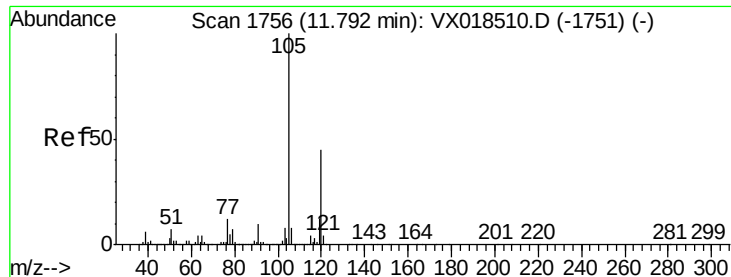
Tgt Ion: 105 Resp: 77850

Ion Ratio Lower Upper

105 100

120 49.3 38.6 58.0

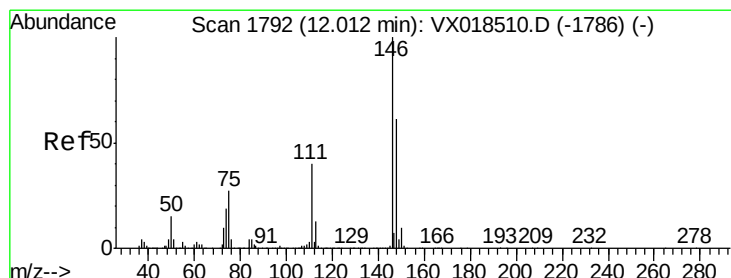
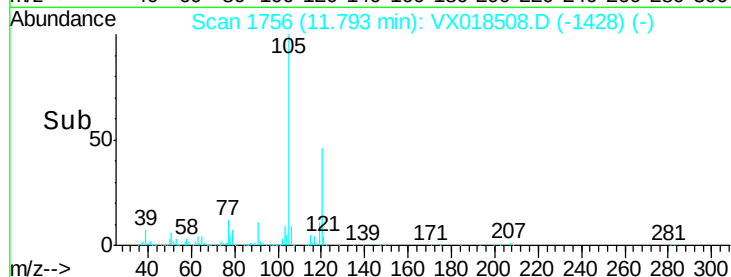
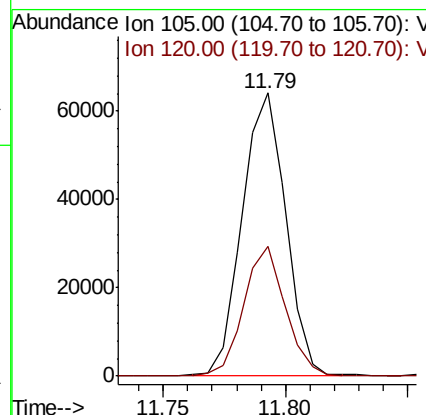
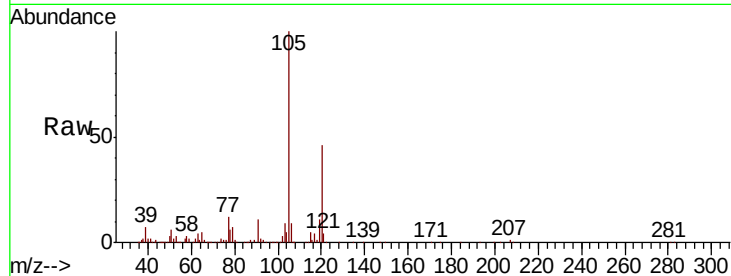




#63
 1,2,4-Trimethylbenzene
 Concen: 4.442 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

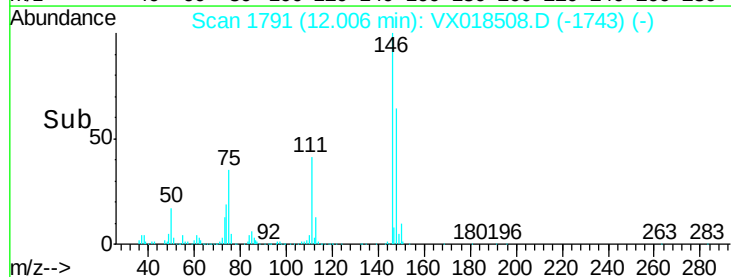
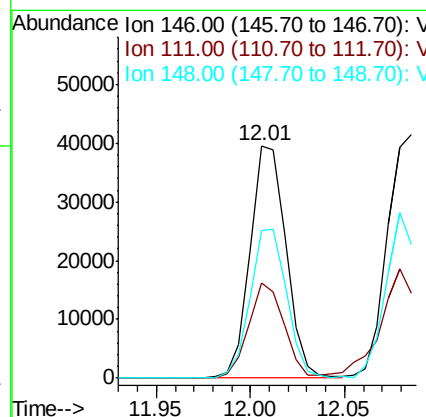
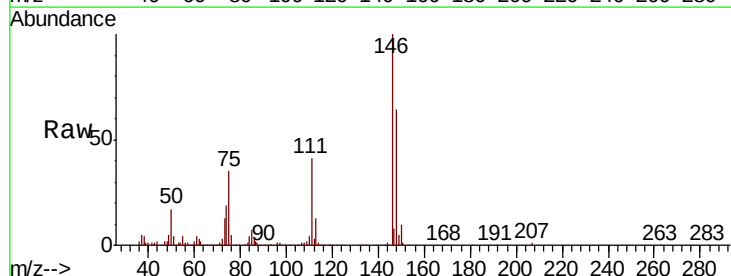
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005401

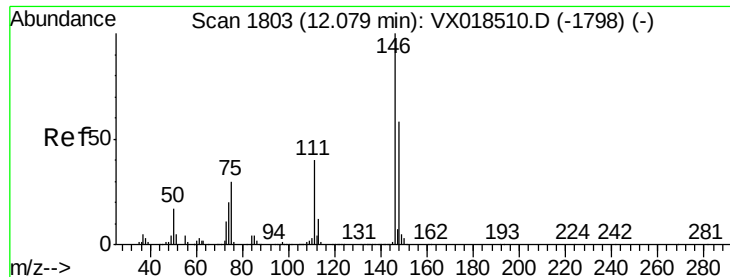
Tot Ion:105 Resp: 79214
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.8 53.8



#64
 1,3-Dichlorobenzene
 Concen: 5.247 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

Tgt Ion:146 Resp: 52471
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.8 51.6
 148 63.5 42.6 79.2

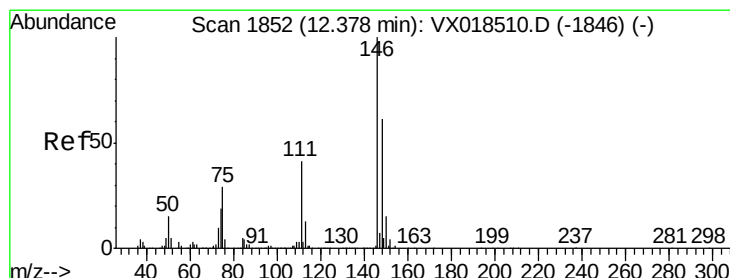
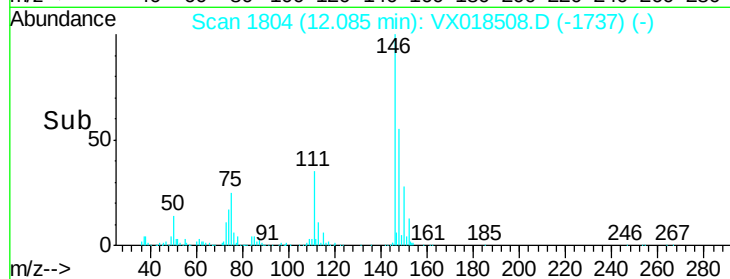
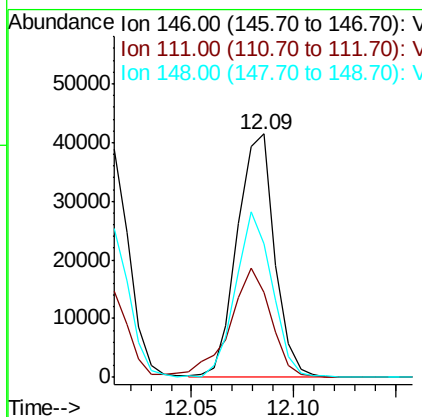
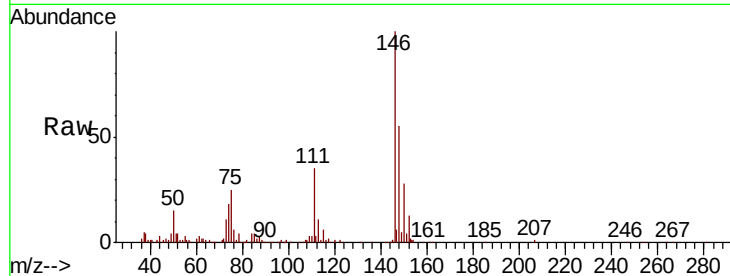




#65
 1,4-Dichlorobenzene
 Concen: 5.222 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

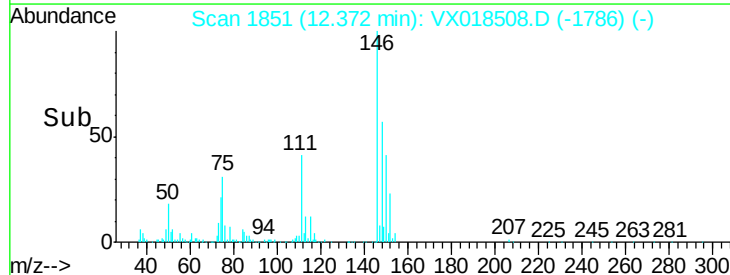
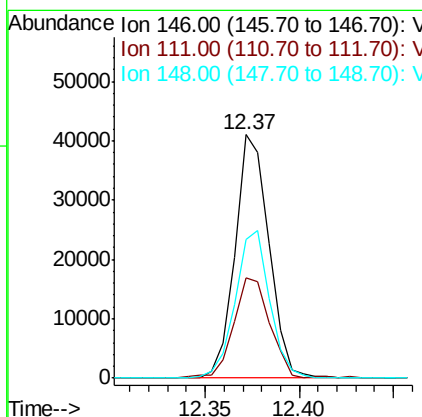
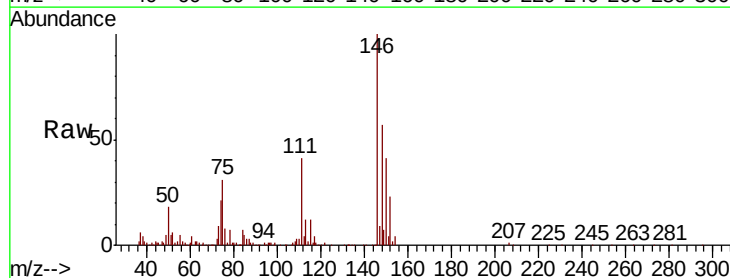
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005401

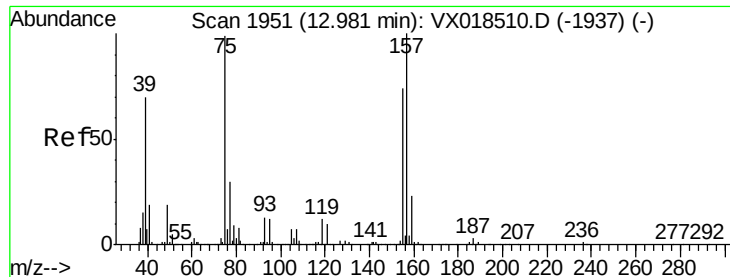
Tot Ion:146 Resp: 52958
 Ion Ratio Lower Upper
 146 100
 111 34.7 27.9 51.7
 148 54.8 40.5 75.3



#67
 1,2-Dichlorobenzene
 Concen: 5.282 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

Tgt Ion:146 Resp: 51176
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.1 49.7
 148 56.9 48.4 72.6





#68

1,2-Dibromo-3-chloropropane

Concen: 5.122 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

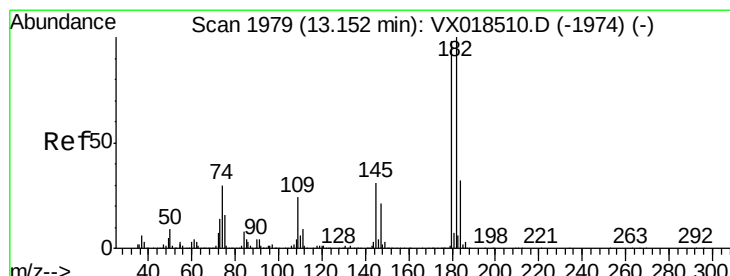
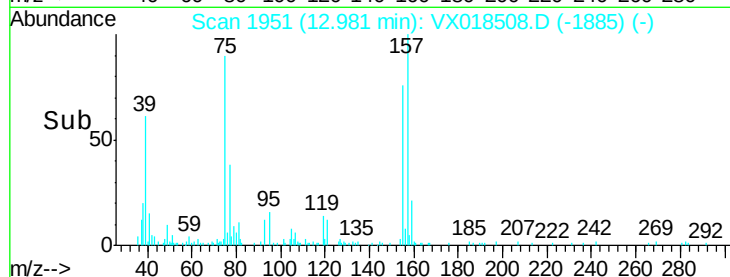
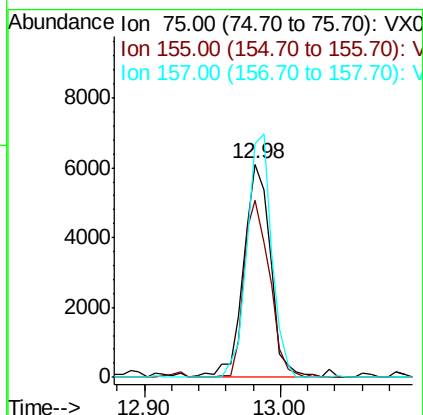
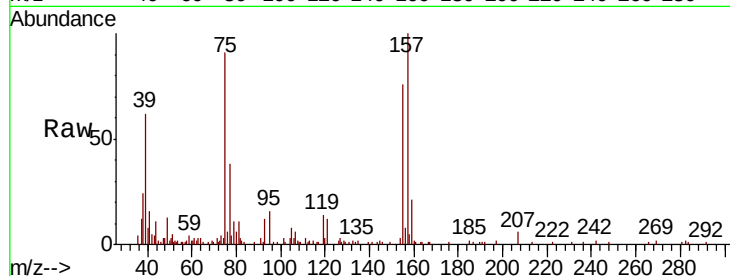
Tot Ion: 75 Resp: 8548

Ion Ratio Lower Upper

75 100

155 83.3 59.4 89.0

157 109.4 80.7 121.1



#69

1,3,5-Trichlorobenzene

Concen: 5.397 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Tgt Ion: 180 Resp: 34813

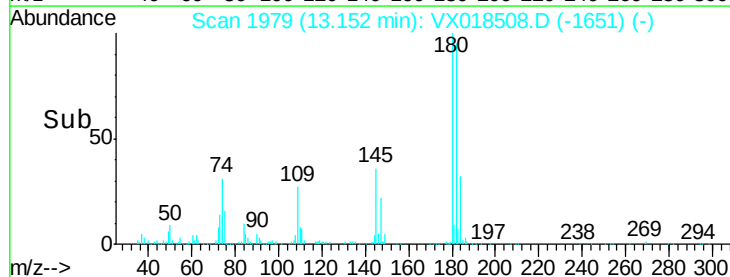
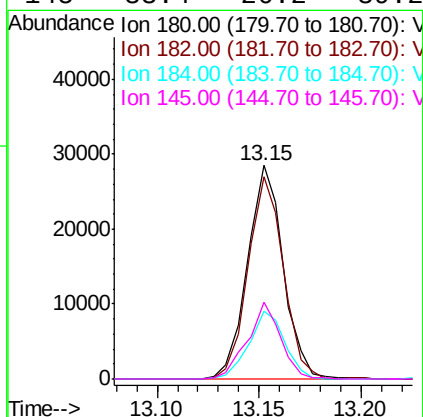
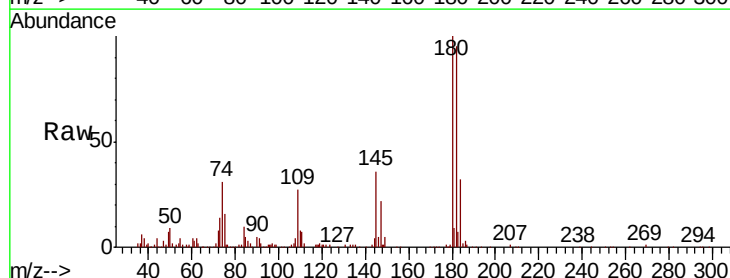
Ion Ratio Lower Upper

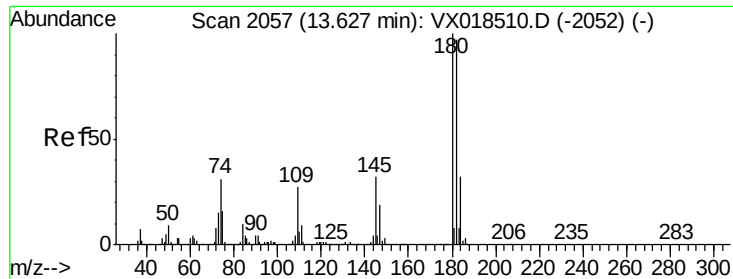
180 100

182 93.4 82.5 123.7

184 31.8 25.4 38.2

145 33.4 26.2 39.2





#70

1,2,4-trichlorobenzene

Concen: 5.187 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTD005401

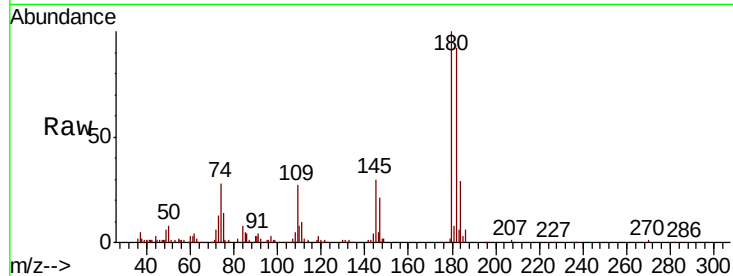
Tot Ion:180 Resp: 30546

Ion Ratio Lower Upper

180 100

182 93.4 78.6 118.0

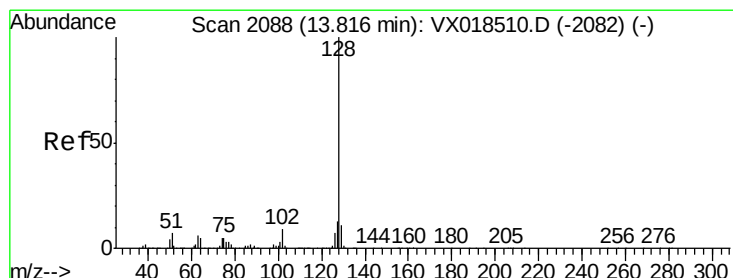
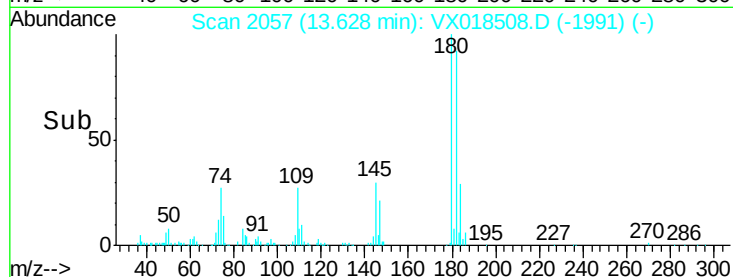
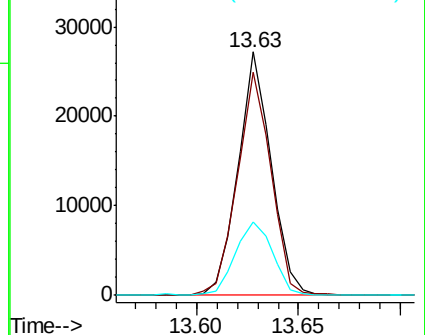
145 34.1 27.0 40.4



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: 4.157 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018508.D

Acq: 21 Sep 2020 11:30

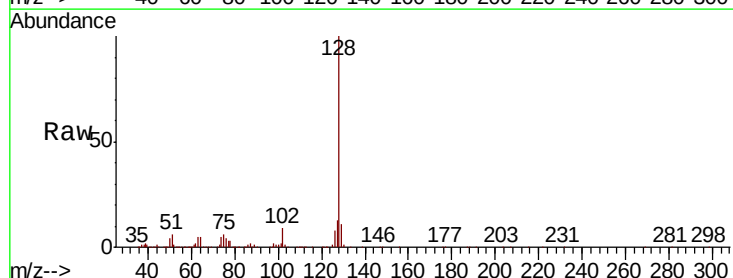
Tgt Ion:128 Resp: 83106

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

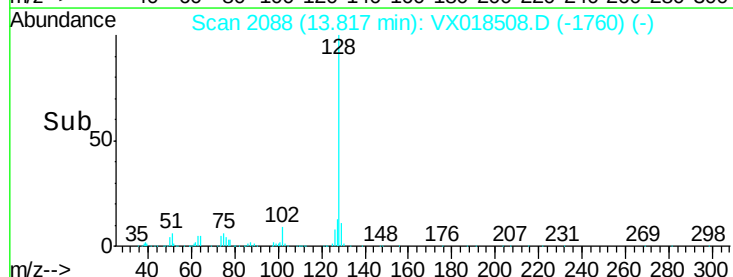
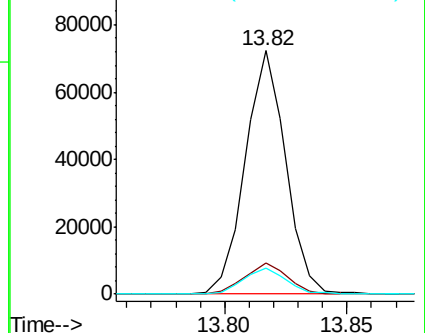
129 11.1 8.8 13.2

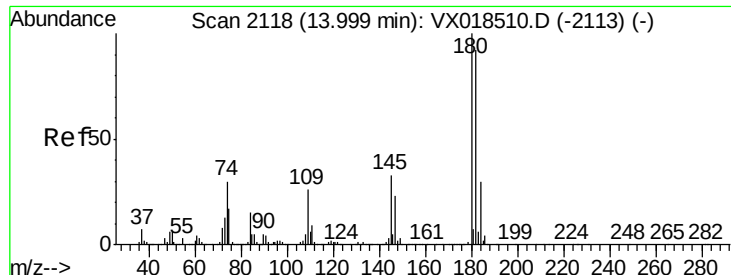


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

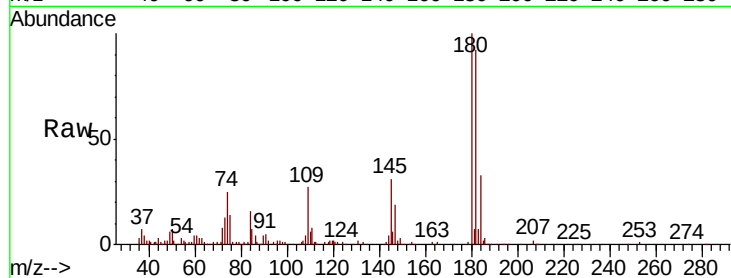




#72
 1,2,3-Trichlorobenzene
 Concen: 4.938 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX018508.D
 Acq: 21 Sep 2020 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005401

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	114.8
145	33.1	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

