

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092120\
 Data File : VX018509.D
 Acq On : 21 Sep 2020 12:24
 Operator : JC/SP
 Sample : VSTD010402
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010402

Quant Time: Sep 22 01:05:56 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	649007	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	610253	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	299161	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	42109	9.49	ug/L	0.00
7) Chloroethane-d5	1.70	69	32012	9.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.35	63	83358	9.12	ug/L	0.00
21) 2-Butanone-d5	4.53	46	55316	18.16	ug/L	0.00
24) Chloroform-d	5.14	84	79267	9.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.04	65	62197	9.74	ug/L	0.00
32) Benzene-d6	6.05	84	156634	9.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	49272	9.54	ug/L	0.00
41) Toluene-d8	8.70	98	149151	9.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	28154	9.37	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	36508	16.03	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	63966	9.27	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	56975	9.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	48819	8.749 ug/L	99
3) Chloromethane	1.31	50	39047	9.283 ug/L	97
5) Vinyl chloride	1.39	62	42022	8.823 ug/L	97
6) Bromomethane	1.64	94	20629	8.292 ug/L	90
8) Chloroethane	1.72	64	25176	8.861 ug/L	97
9) Trichlorofluoromethane	1.92	101	71777	8.887 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	39412	8.939 ug/L	97
12) 1,1-Dichloroethene	2.36	96	37858	9.106 ug/L	93
13) Acetone	2.42	43	37833	18.148 ug/L	97
14) Carbon disulfide	2.55	76	111010	8.706 ug/L	96
15) Methyl Acetate	2.75	43	41196	9.063 ug/L #	91
16) Methylene chloride	2.83	84	40392	9.002 ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	38950	9.007 ug/L	93
18) Methyl tert-butyl Ether	3.17	73	119037	8.302 ug/L	98
19) 1,1-Dichloroethane	3.67	63	71400	8.788 ug/L	97
20) cis-1,2-Dichloroethene	4.56	96	40841	8.721 ug/L	90
22) 2-Butanone	4.64	43	56374	17.169 ug/L	85
23) Bromochloromethane	4.99	128	24134	9.102 ug/L	95
25) Chloroform	5.18	83	83772	9.167 ug/L	98
27) 1,2-Dichloroethane	6.16	62	65093	8.842 ug/L #	93
29) Cyclohexane	5.54	56	29073	4.215 ug/L #	26
30) 1,1,1-Trichloroethane	5.46	97	75850	9.149 ug/L	98
31) Carbon tetrachloride	5.76	117	66215	8.727 ug/L	99
33) Benzene	6.12	78	157200	8.920 ug/L	100
34) Trichloroethene	7.19	95	43151	8.972 ug/L	97
35) Methylcyclohexane	7.44	83	58323	8.071 ug/L	95
37) 1,2-Dichloropropane	7.49	63	39474	8.653 ug/L	98
38) Bromodichloromethane	7.88	83	57529	8.673 ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	60741	8.023 ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	102215	16.094 ug/L	100

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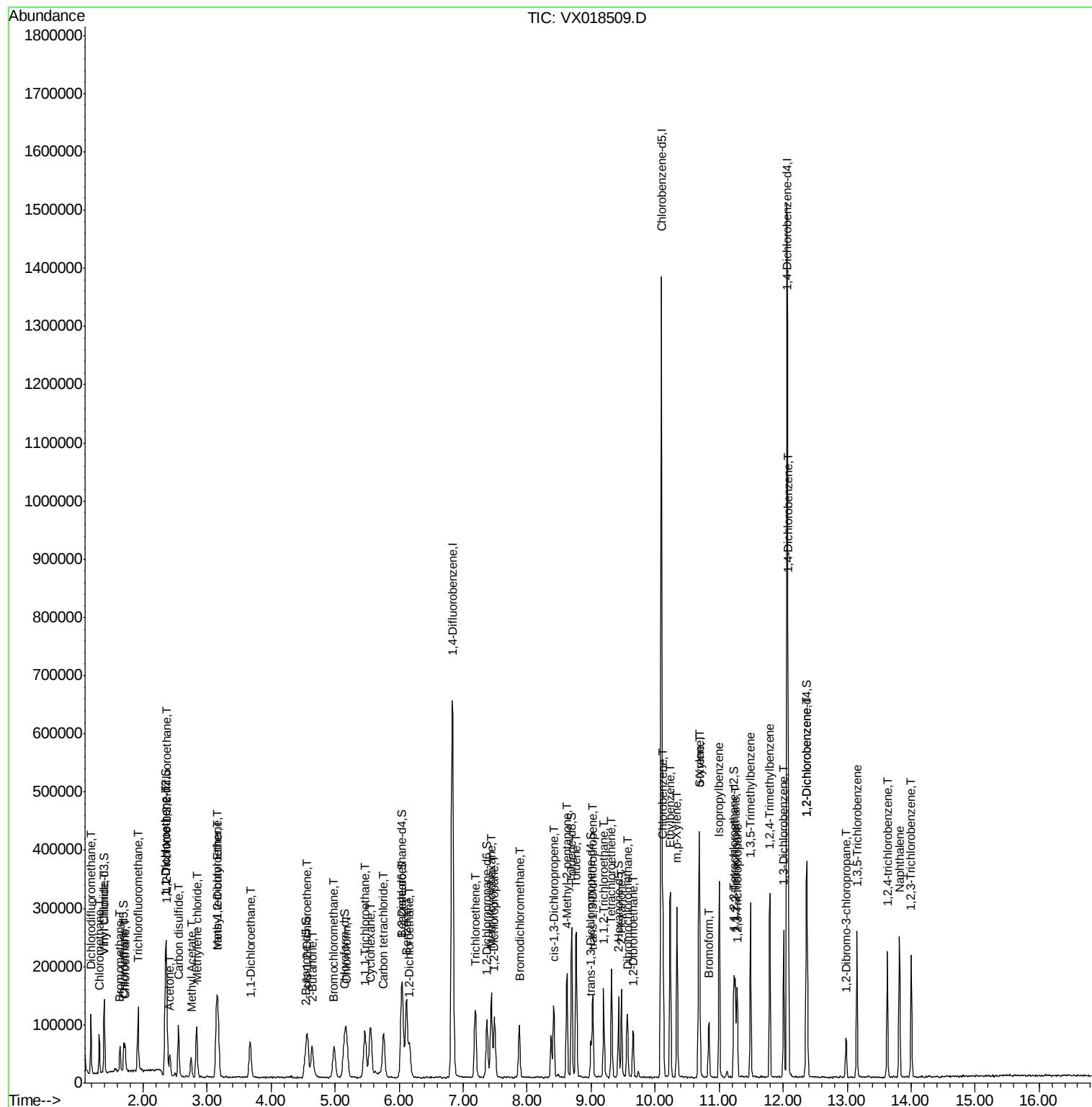
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.77	91	159382	8.240	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	63999	8.382	ug/L	97
45) 1,1,2-Trichloroethane	9.20	97	38955	8.534	ug/L	96
46) Tetrachloroethene	9.32	164	34169	8.535	ug/L	95
48) 2-Hexanone	9.48	43	79110	16.021	ug/L	99
49) Dibromochloromethane	9.56	129	48131	8.469	ug/L	94
50) 1,2-Dibromoethane	9.65	107	43117	8.728	ug/L #	97
51) Chlorobenzene	10.12	112	110789	8.656	ug/L	96
52) Ethylbenzene	10.24	91	175535	8.202	ug/L	96
53) m,p-Xylene	10.34	106	64823	7.767	ug/L	90
54) o-Xylene	10.68	106	61260	7.580	ug/L	98
55) Styrene	10.70	104	108235	7.843	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.25	83	59792	8.646	ug/L	100
59) Bromoform	10.84	173	35114	8.715	ug/L	98
60) Isopropylbenzene	11.01	105	170576	8.589	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	52645	9.937	ug/L	95
62) 1,3,5-Trimethylbenzene	11.49	105	132898	8.070	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	134218	7.936	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	84829	8.945	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	87517	9.100	ug/L	91
67) 1,2-Dichlorobenzene	12.37	146	80775	8.792	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.98	75	13724	8.671	ug/L	96
69) 1,3,5-Trichlorobenzene	13.15	180	55897	9.138	ug/L	93
70) 1,2,4-trichlorobenzene	13.63	180	51409	9.207	ug/L	94
71) Naphthalene	13.82	128	144305	7.611	ug/L	100
72) 1,2,3-Trichlorobenzene	14.01	180	48934	8.225	ug/L	97

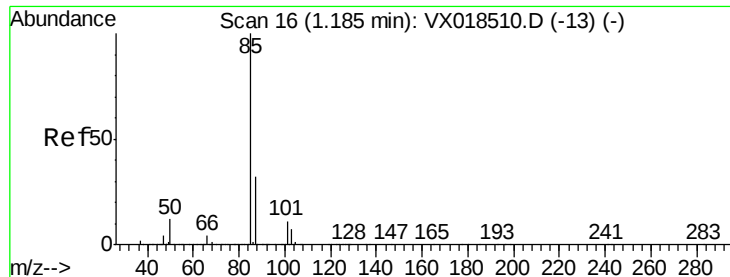
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#2

Dichlorodifluoromethane

Concen: 8.749 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

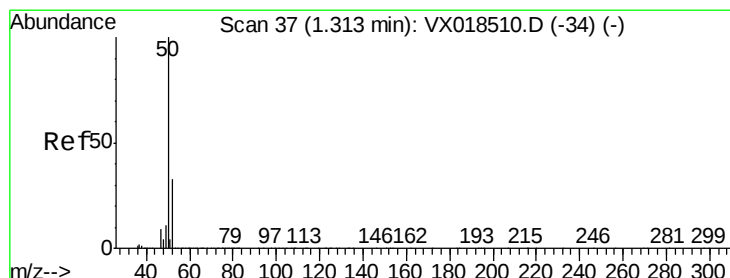
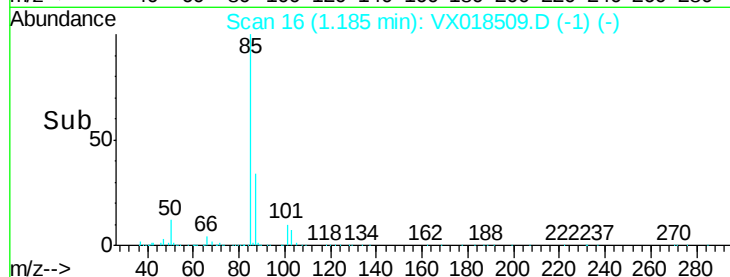
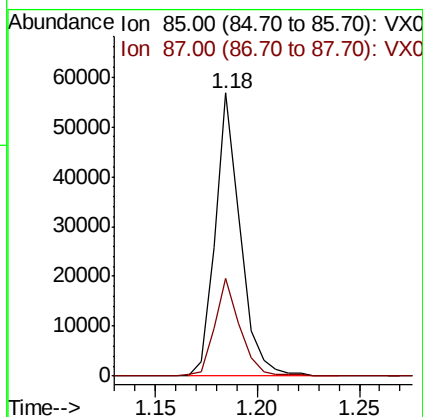
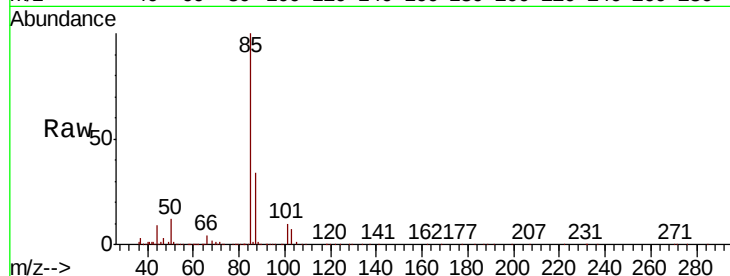
VSTD010402

Tot Ion: 85 Resp: 48819

Ion Ratio Lower Upper

85 100

87 33.2 26.2 39.4



#3

Chloromethane

Concen: 9.283 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018509.D

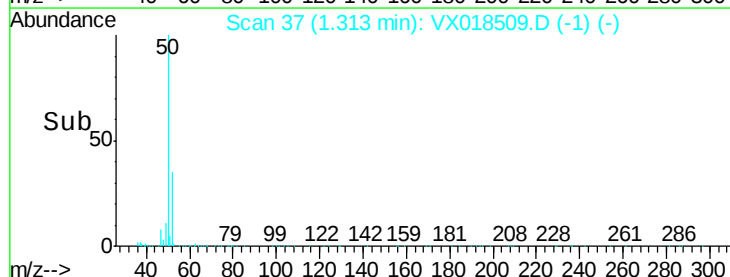
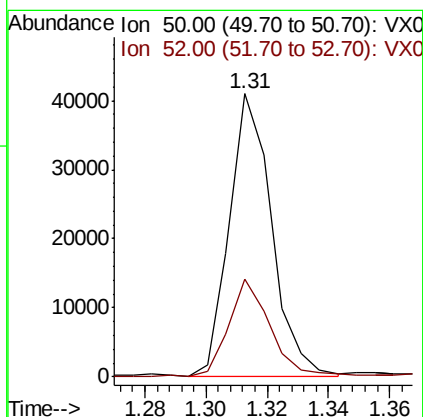
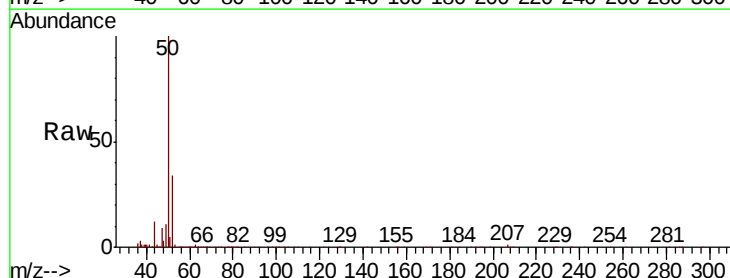
Acq: 21 Sep 2020 12:24

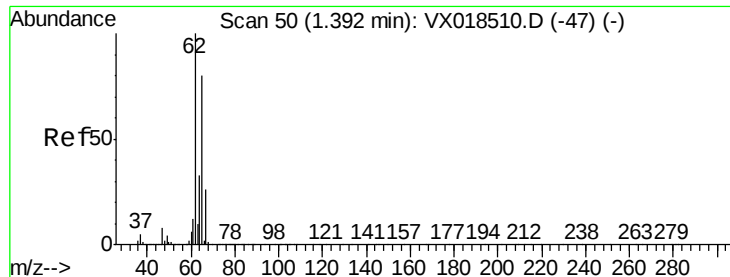
Tgt Ion: 50 Resp: 39047

Ion Ratio Lower Upper

50 100

52 34.5 23.0 42.6





#5

Vinyl chloride

Concen: 8.823 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

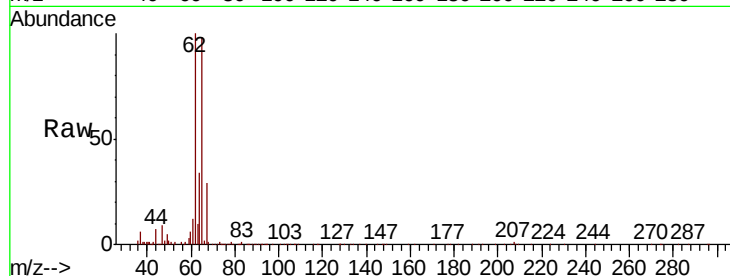
VSTD010402

Tot Ion: 62 Resp: 42022

Ion Ratio Lower Upper

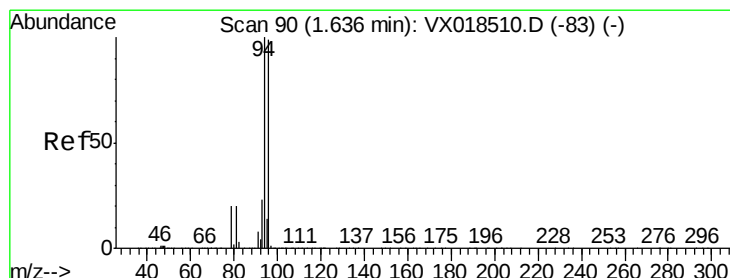
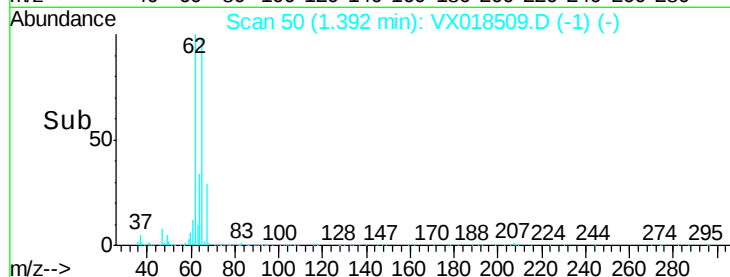
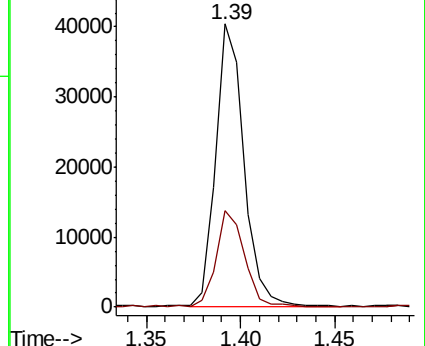
62 100

64 34.2 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



#6

Bromomethane

Concen: 8.292 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018509.D

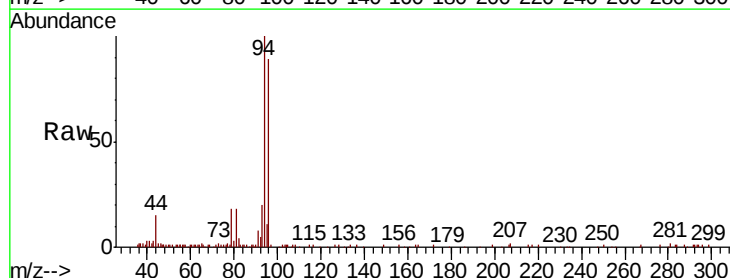
Acq: 21 Sep 2020 12:24

Tgt Ion: 94 Resp: 20629

Ion Ratio Lower Upper

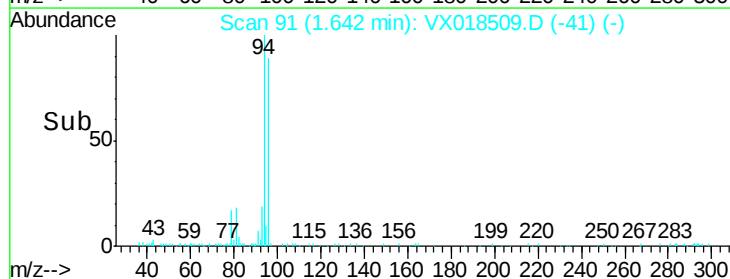
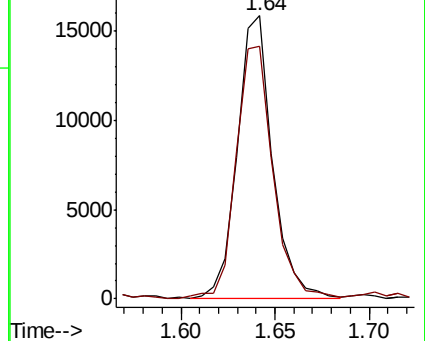
94 100

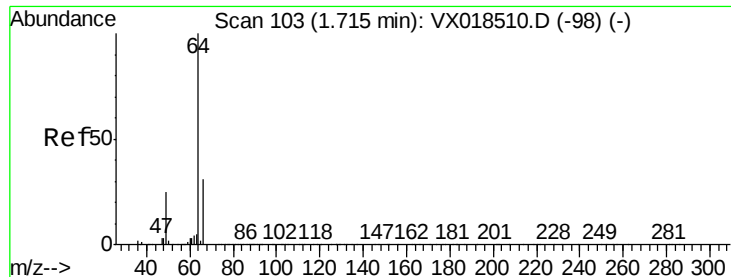
96 89.4 69.2 128.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

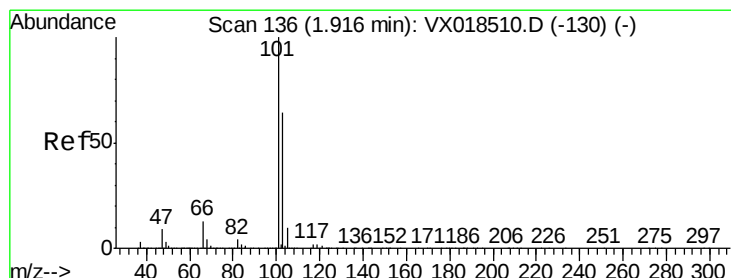
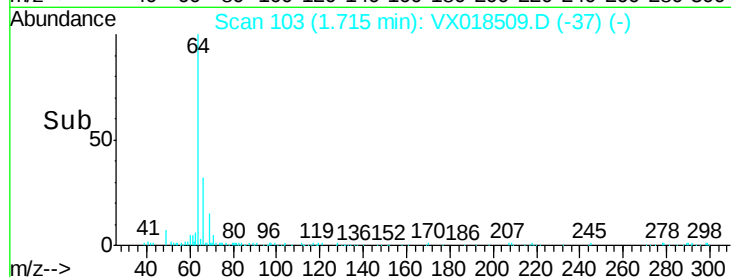
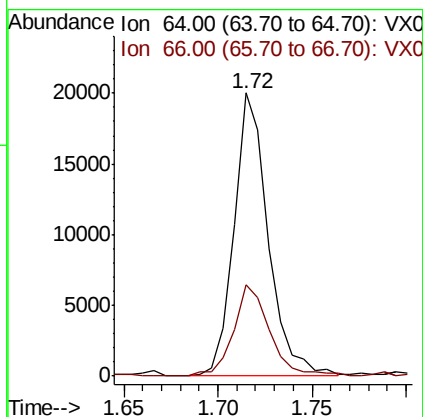
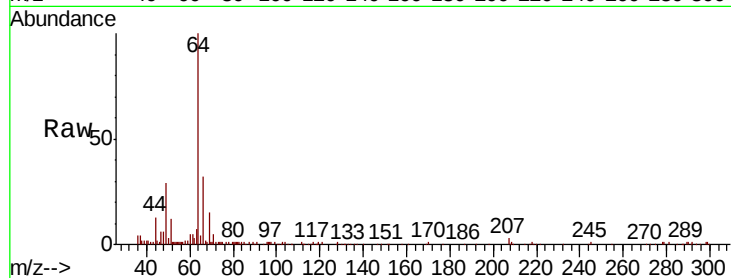




#8
Chloroethane
Concen: 8.861 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

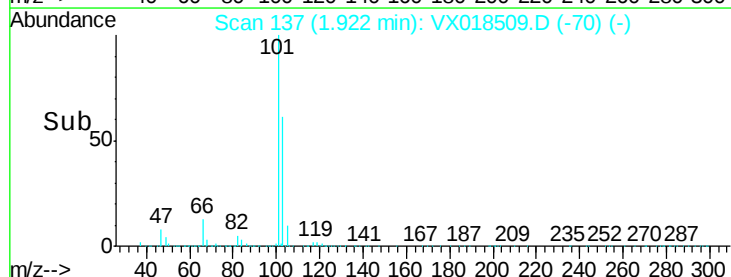
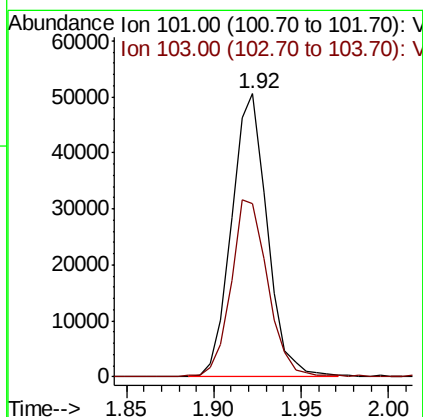
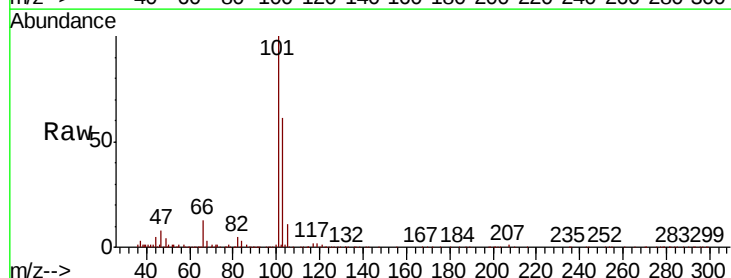
Instrument :
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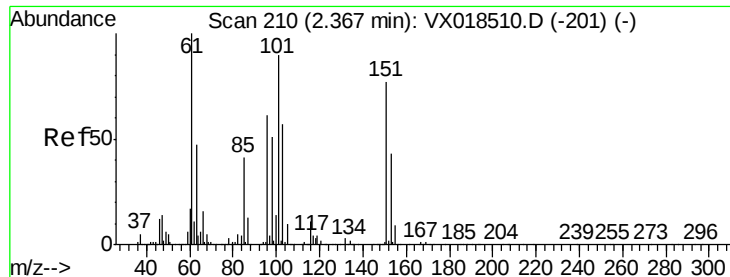
Tot Ion: 64 Resp: 25176
Ion Ratio Lower Upper
64 100
66 32.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 8.887 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

Tgt Ion: 101 Resp: 71777
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3





#10

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

Concen: 8.939 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

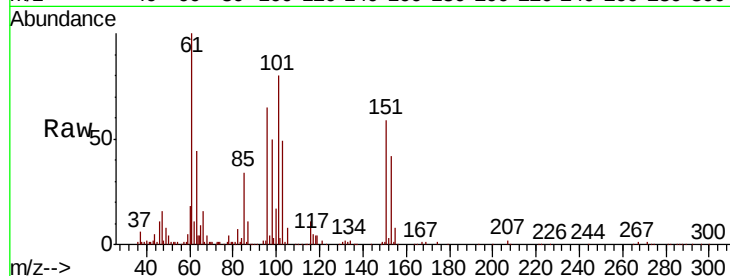
Tot Ion:101 Resp: 39412

Ion Ratio Lower Upper

101 100

85 44.9 34.9 52.3

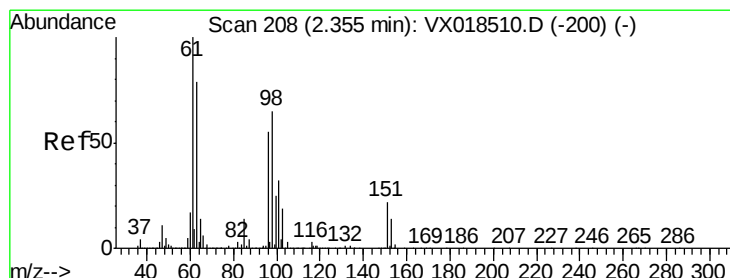
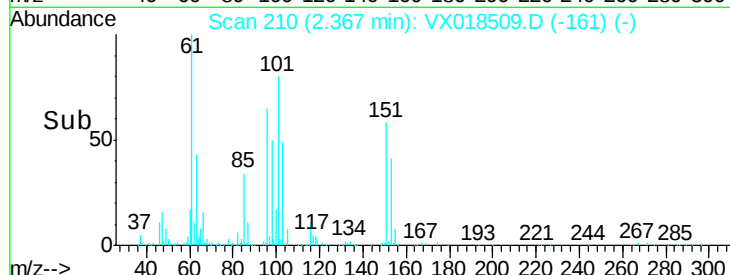
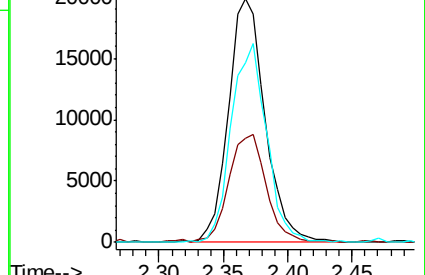
151 78.4 65.0 97.4



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: 9.106 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

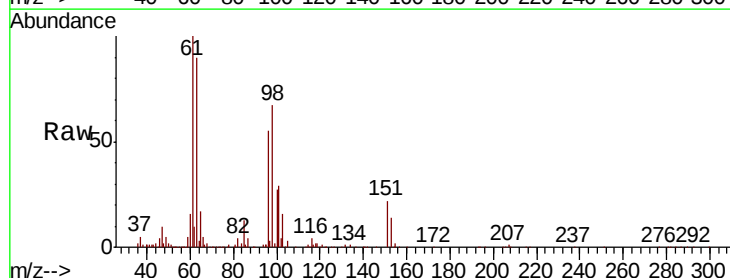
Tgt Ion: 96 Resp: 37858

Ion Ratio Lower Upper

96 100

61 180.7 126.8 235.6

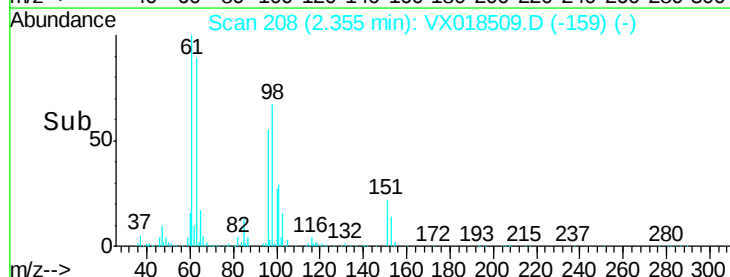
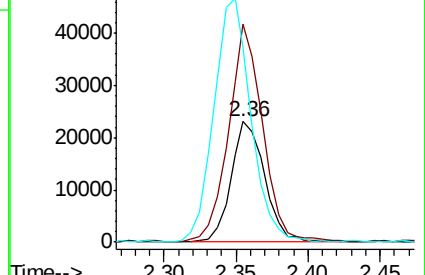
63 161.7 100.3 186.3

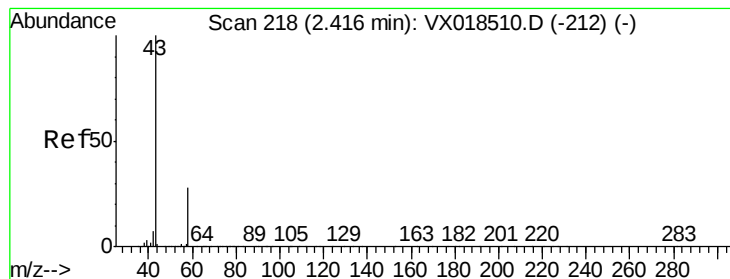


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 18.148 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

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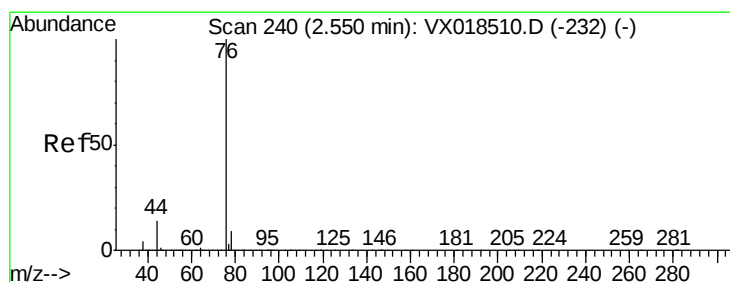
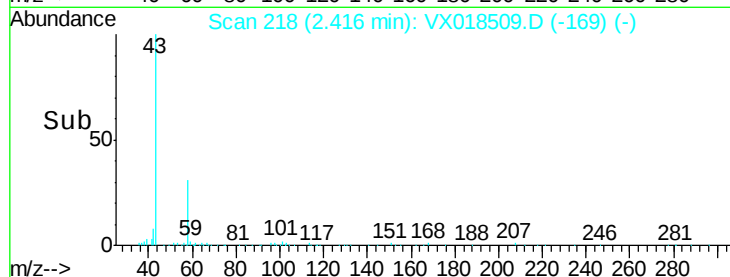
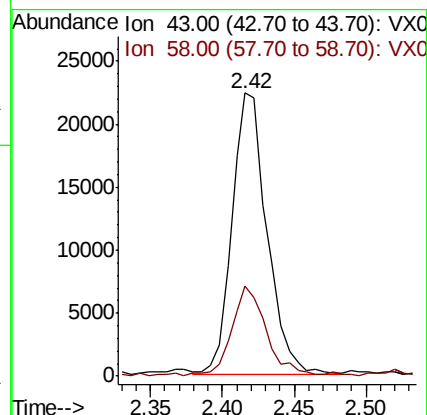
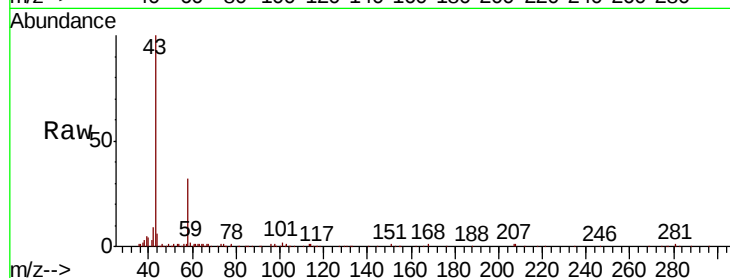
VSTD010402

Tot Ion: 43 Resp: 37833

Ion Ratio Lower Upper

43 100

58 30.6 0.0 57.6



#14

Carbon disulfide

Concen: 8.706 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018509.D

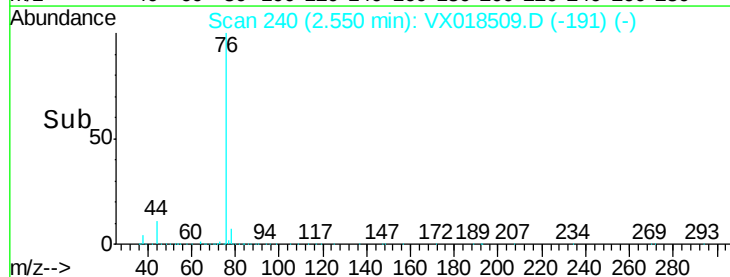
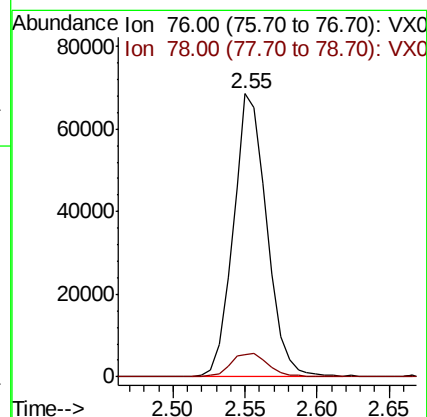
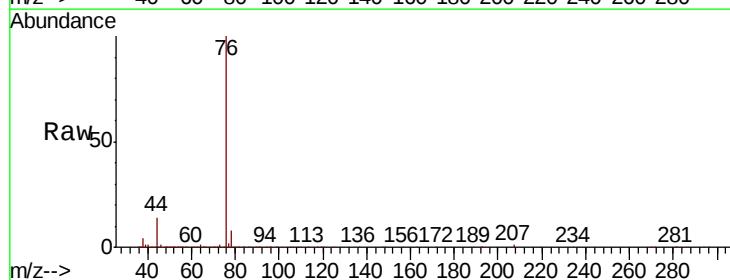
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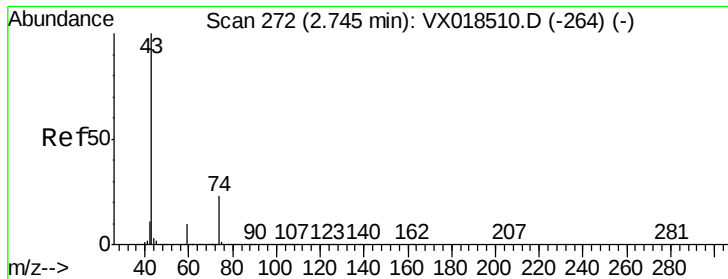
Tgt Ion: 76 Resp: 111010

Ion Ratio Lower Upper

76 100

78 7.8 7.4 11.2

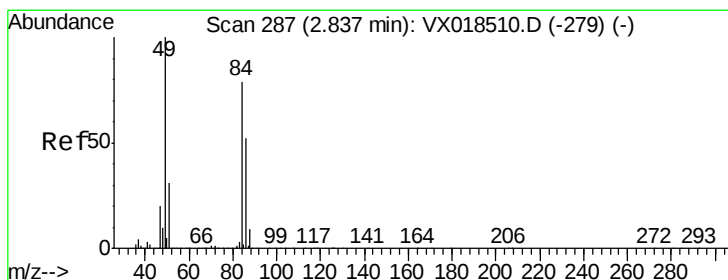
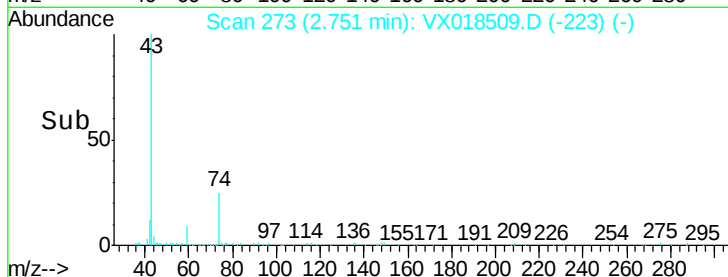
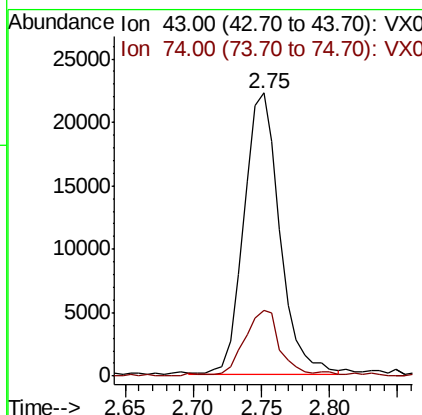
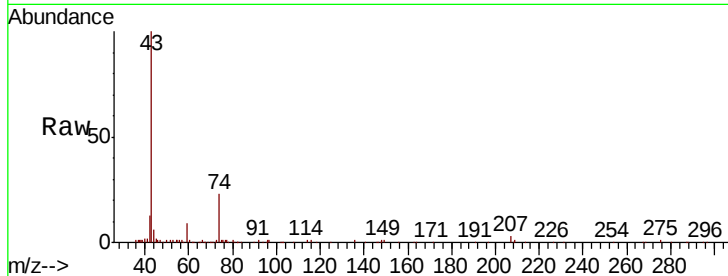




#15
Methyl Acetate
Concen: 9.063 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

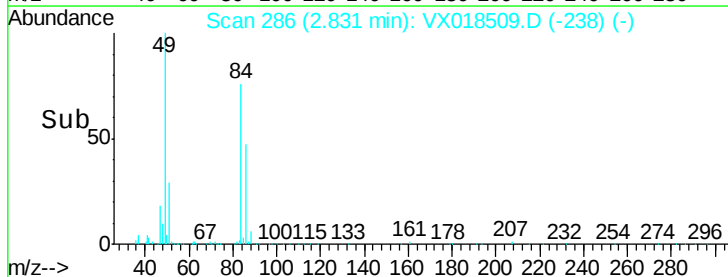
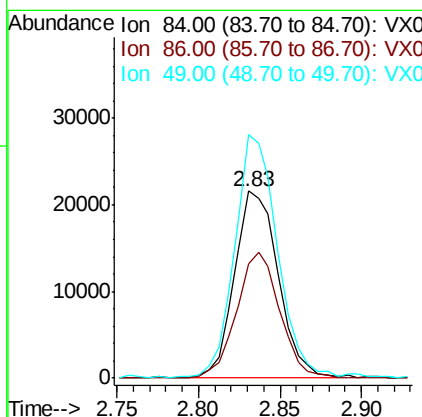
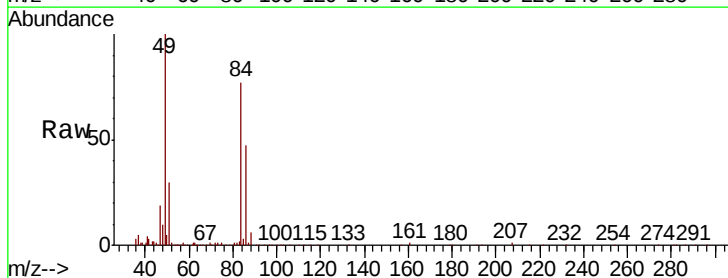
Instrument :
MSVOA_X
ClientSampleId :
VSTD010402

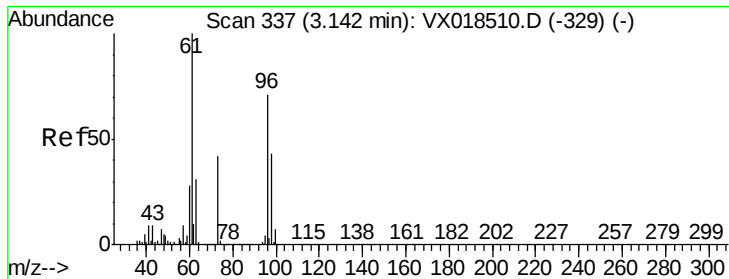
Tot Ion: 43 Resp: 41196
Ion Ratio Lower Upper
43 100
74 21.9 0.1 0.1#



#16
Methylene chloride
Concen: 9.002 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

Tgt Ion: 84 Resp: 40392
Ion Ratio Lower Upper
84 100
86 61.5 46.1 85.7
49 130.3 88.5 164.3





#17

trans-1,2-Dichloroethene

Concen: 9.007 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

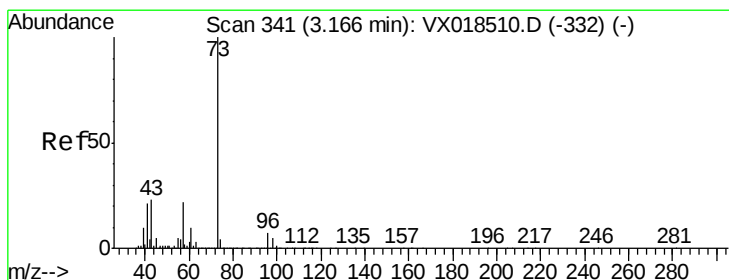
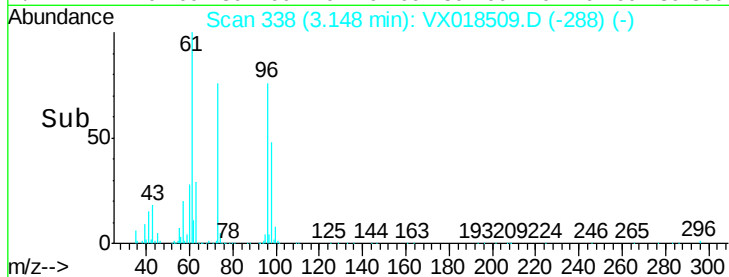
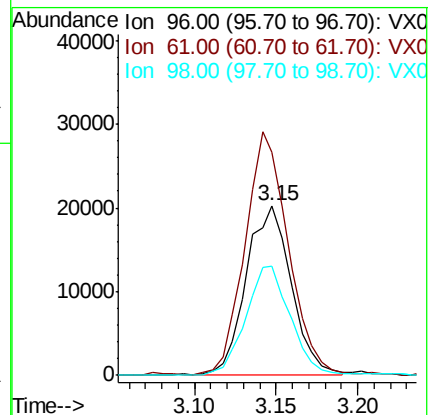
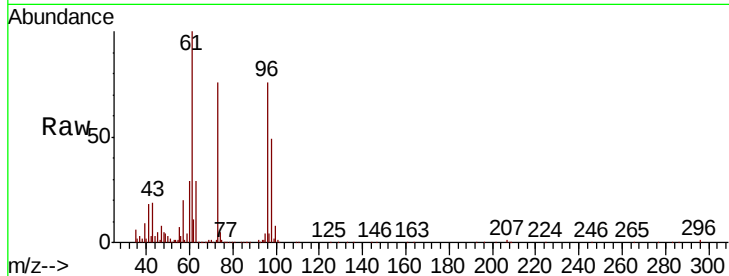
Tot Ion: 96 Resp: 38950

Ion Ratio Lower Upper

96 100

61 131.7 98.3 182.5

98 64.0 42.0 78.0



#18

Methyl tert-butyl Ether

Concen: 8.302 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

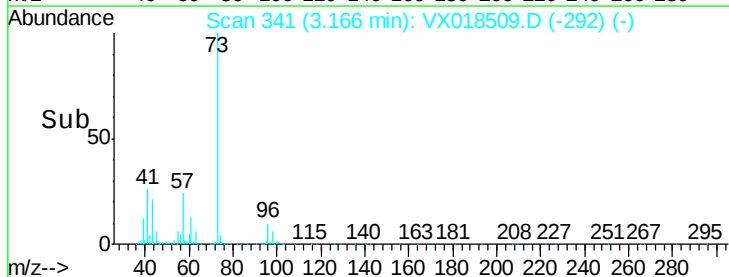
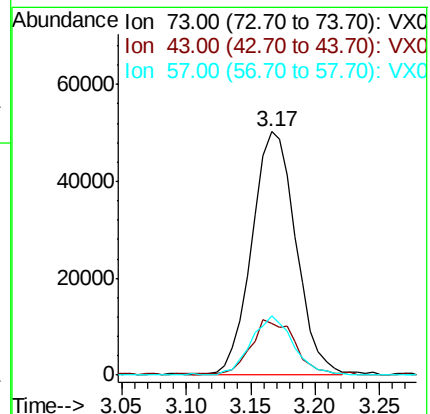
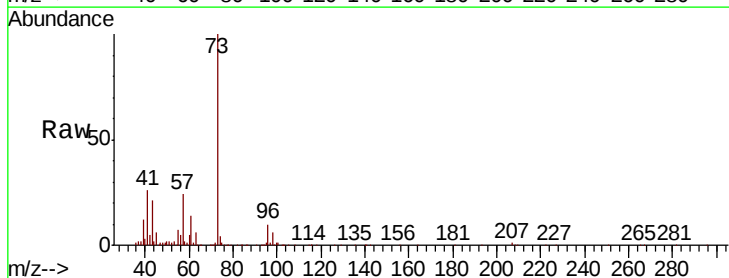
Tgt Ion: 73 Resp: 119037

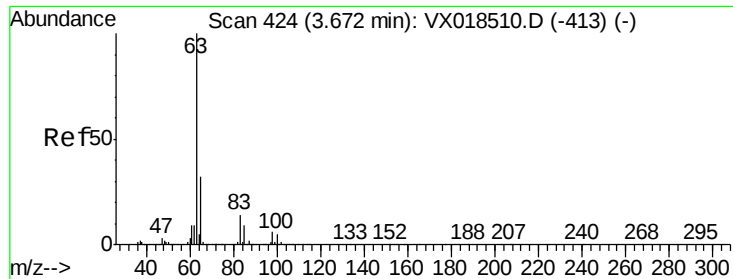
Ion Ratio Lower Upper

73 100

43 22.1 17.8 26.6

57 23.2 17.1 25.7

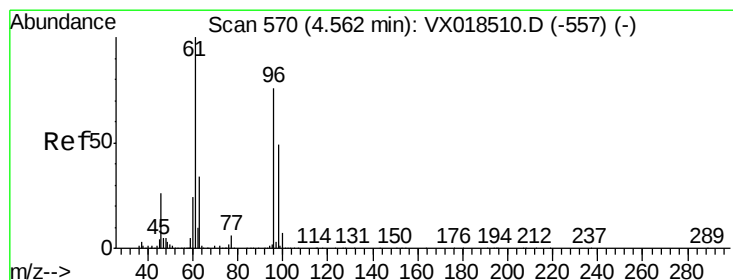
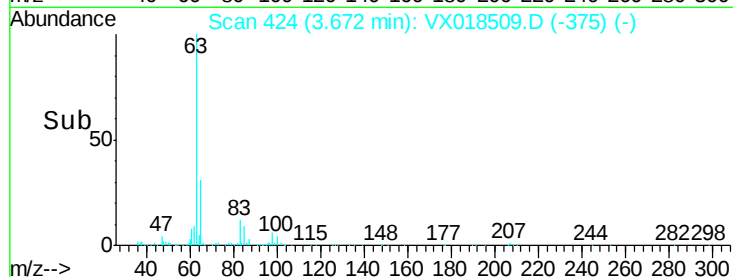
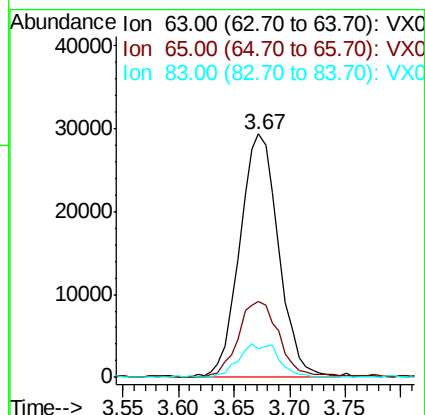
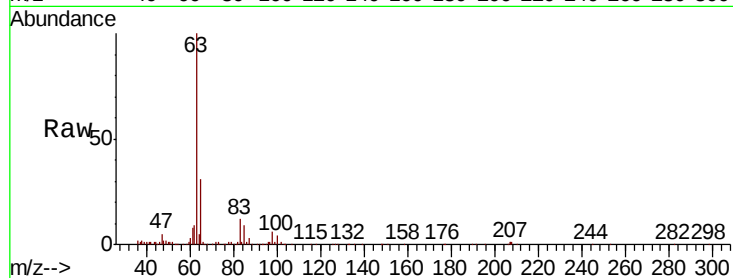




#19
 1,1-Dichloroethane
 Concen: 8.788 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

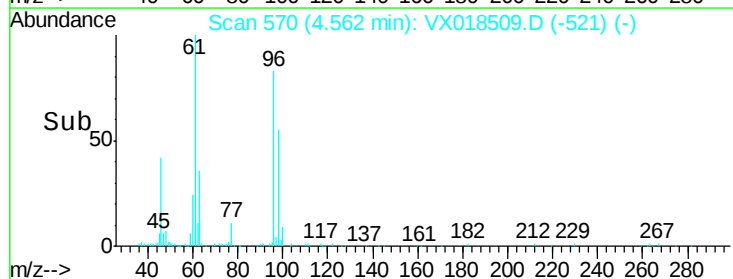
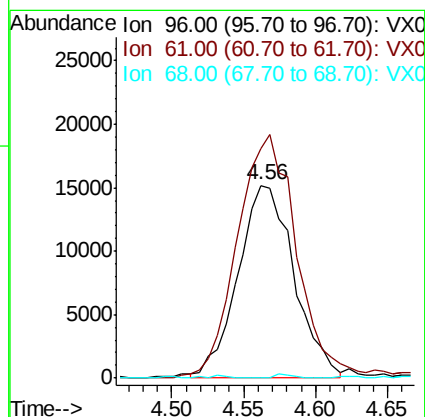
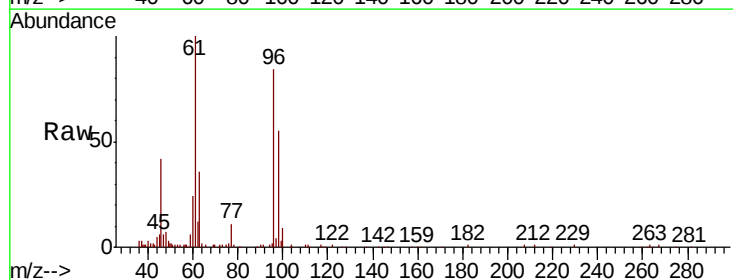
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010402

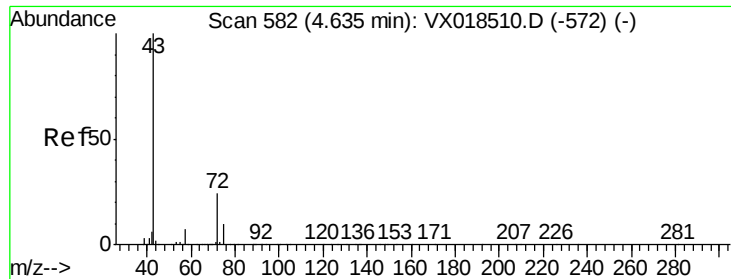
Tot Ion: 63 Resp: 71400
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.5 41.7
 83 11.7 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 8.721 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Tgt Ion: 96 Resp: 40841
 Ion Ratio Lower Upper
 96 100
 61 119.0 91.8 170.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 17.169 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

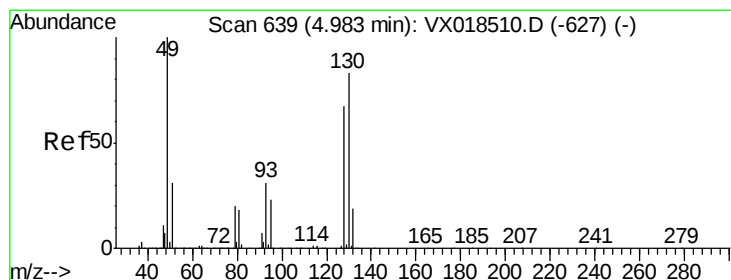
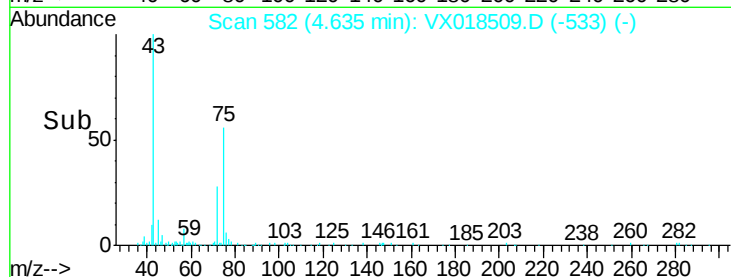
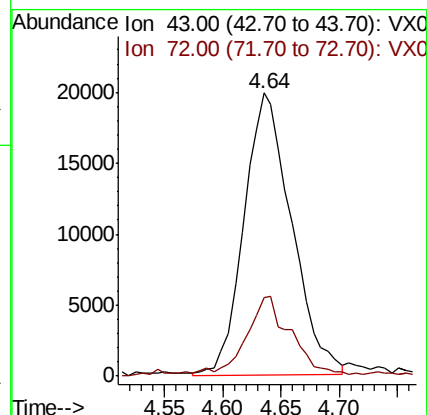
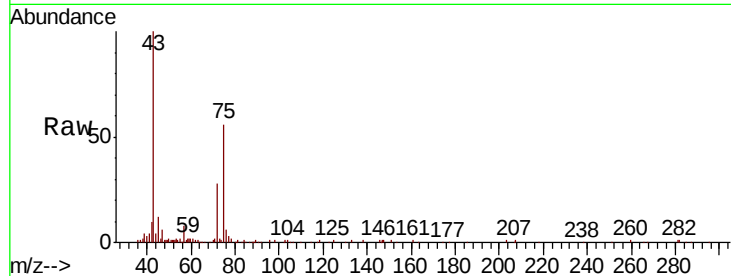
VSTD010402

Tot Ion: 43 Resp: 56374

Ion Ratio Lower Upper

43 100

72 17.9 12.9 38.6



#23

Bromochloromethane

Concen: 9.102 ug/L

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Tgt Ion: 128 Resp: 24134

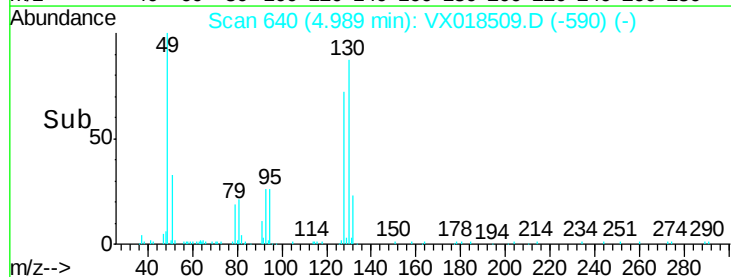
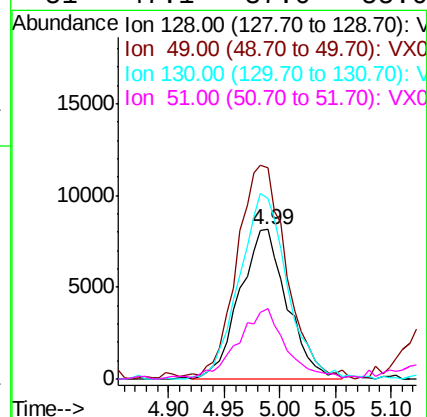
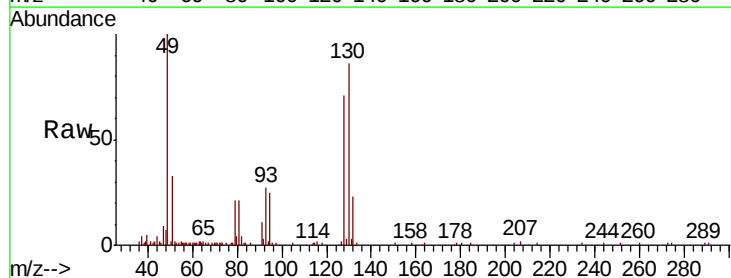
Ion Ratio Lower Upper

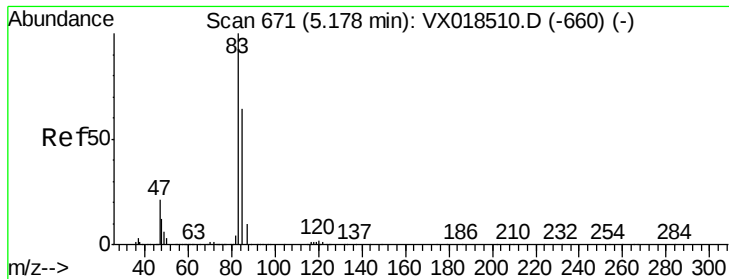
128 100

49 140.8 104.9 194.7

130 120.5 86.5 160.7

51 47.1 37.0 55.6





#25

Chloroform

Concen: 9.167 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

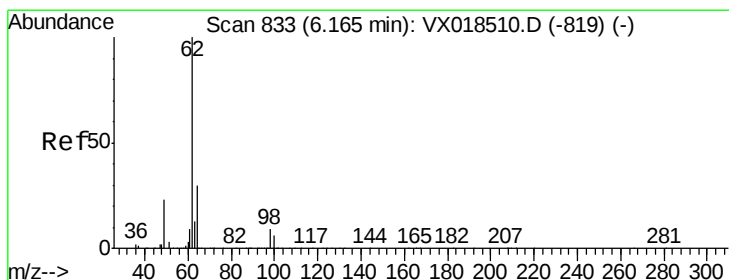
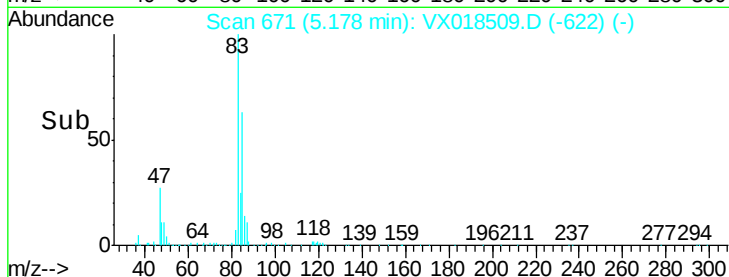
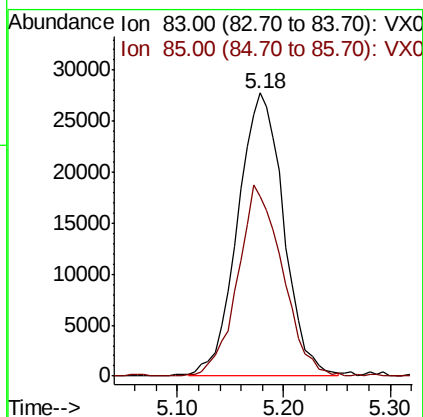
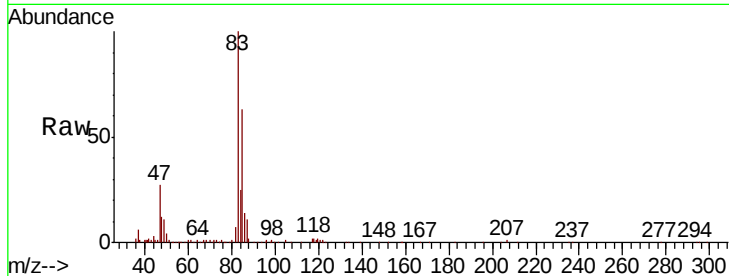
VSTD010402

Tot Ion: 83 Resp: 83772

Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 8.842 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018509.D

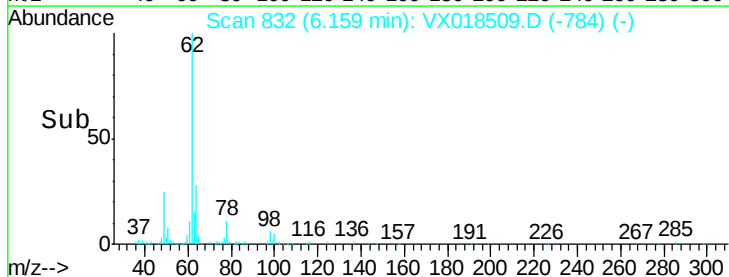
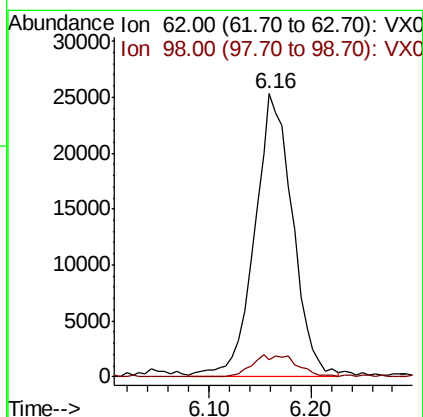
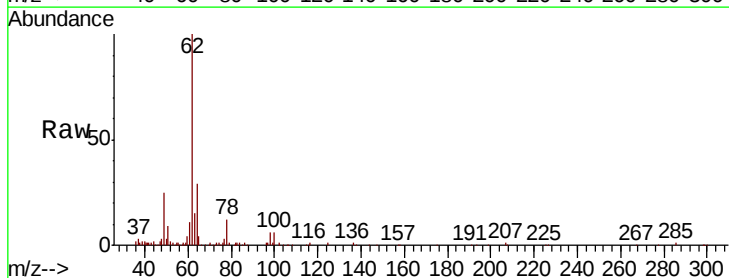
Acq: 21 Sep 2020 12:24

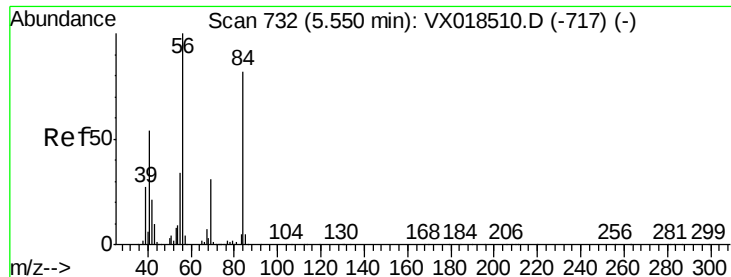
Tgt Ion: 62 Resp: 65093

Ion Ratio Lower Upper

62 100

98 6.0 6.7 10.1#





#29

Cyclohexane

Concen: 4.215 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

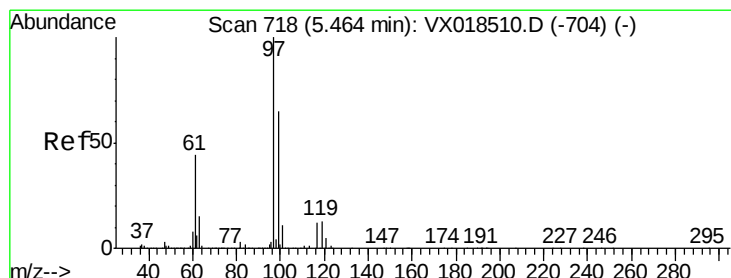
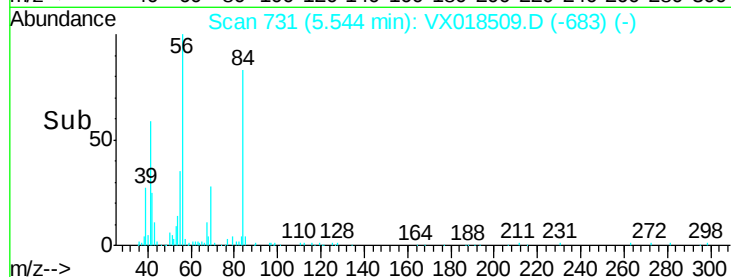
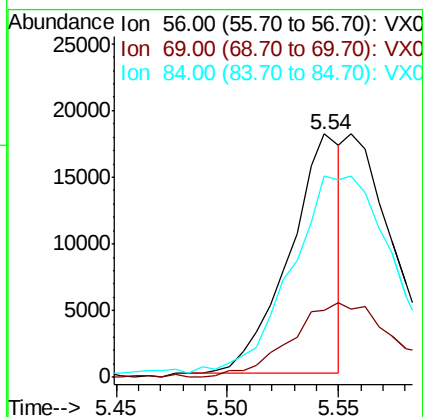
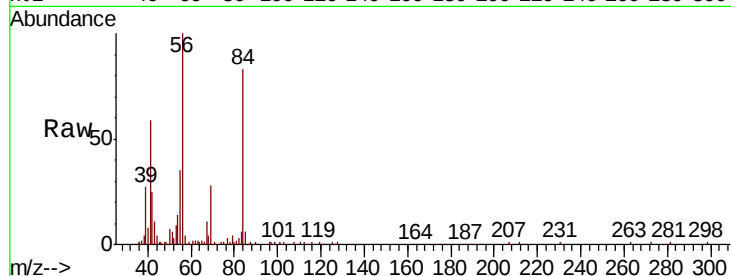
Tot Ion: 56 Resp: 29073

Ion Ratio Lower Upper

56 100

69 59.6 25.2 37.8#

84 162.1 69.1 103.7#



#30

1,1,1-Trichloroethane

Concen: 9.149 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

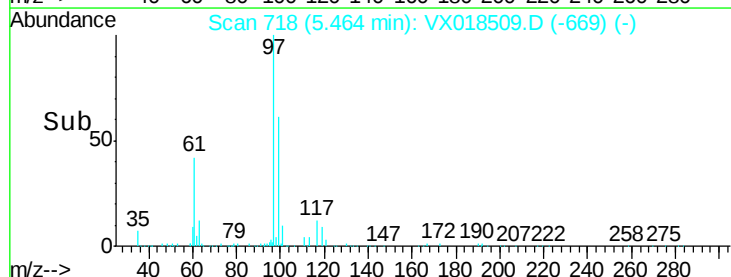
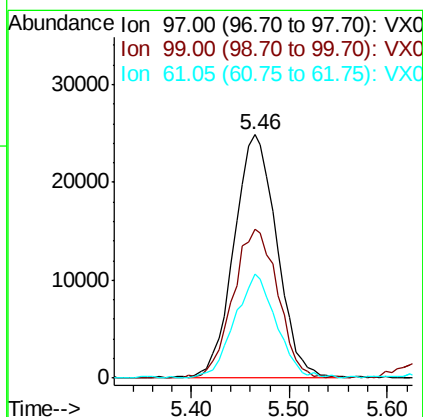
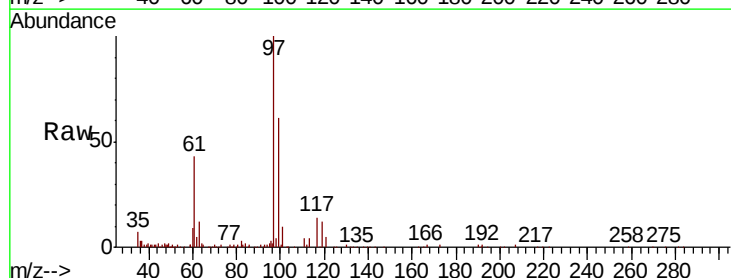
Tgt Ion: 97 Resp: 75850

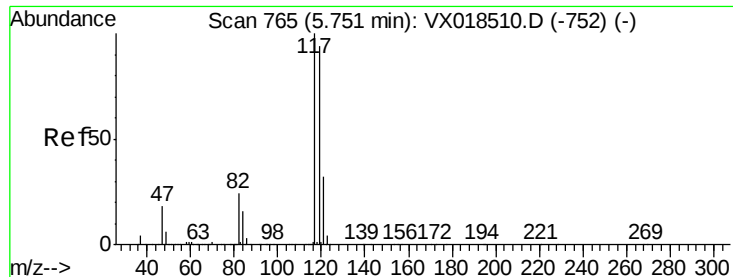
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 41.1 34.4 51.6



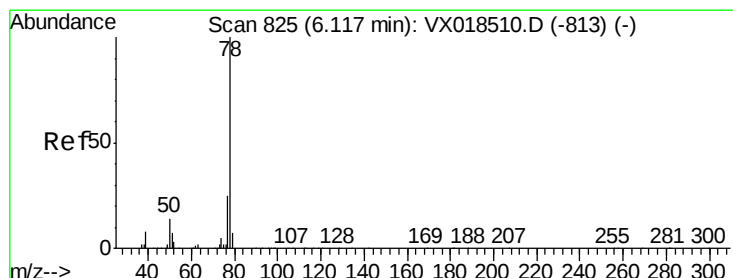
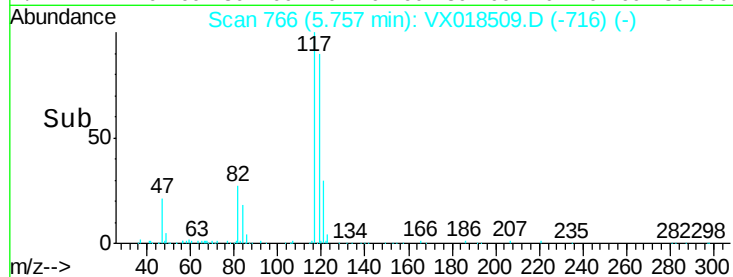
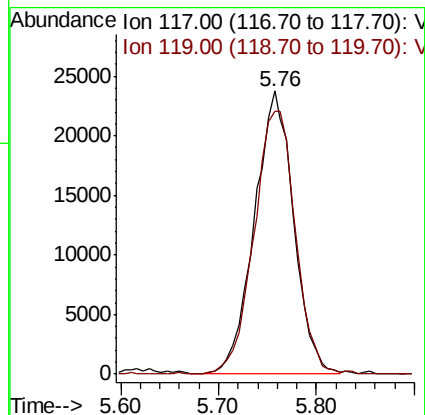
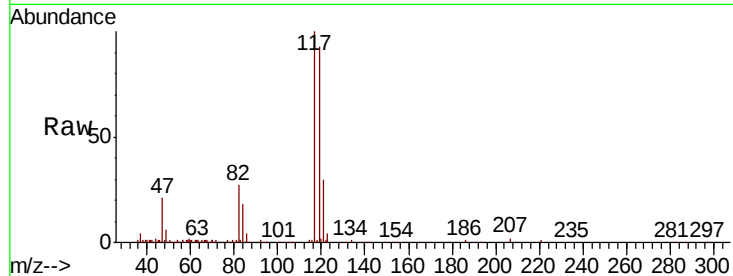


#31

Carbon tetrachloride
 Concen: 8.727 ug/L
 RT: 5.76 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010402

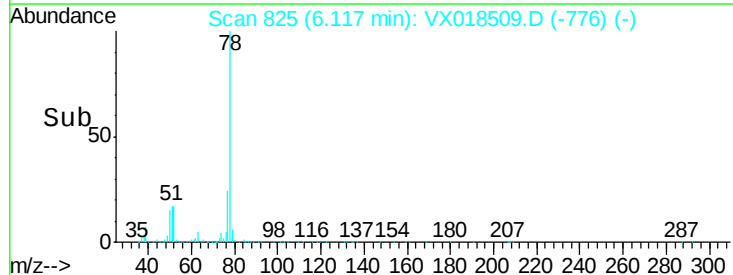
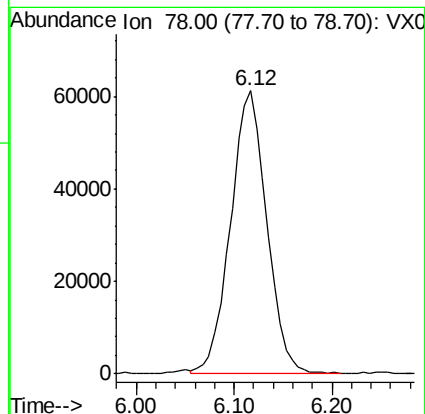
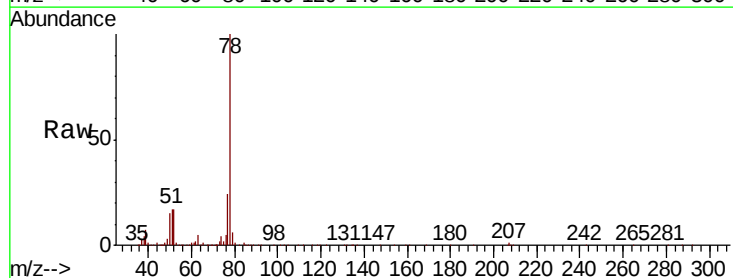
Tot Ion:117 Resp: 66215
 Ion Ratio Lower Upper
 117 100
 119 97.9 77.5 116.3

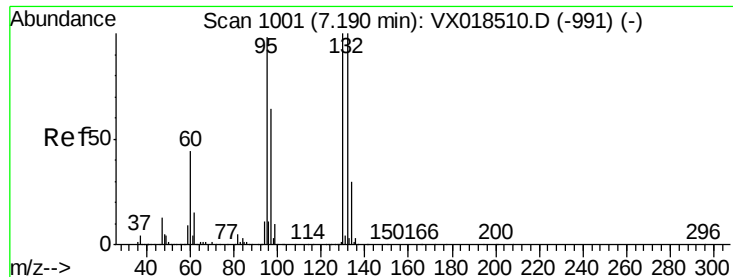


#33

Benzene
 Concen: 8.920 ug/L
 RT: 6.12 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Tgt Ion: 78 Resp: 157200





#34

Trichloroethene

Concen: 8.972 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

Tot Ion: 95 Resp: 43151

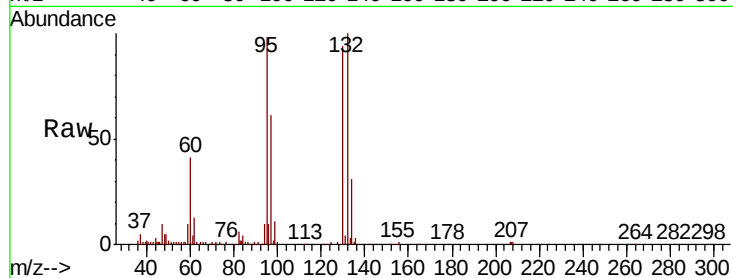
Ion Ratio Lower Upper

95 100

97 62.3 46.0 85.4

132 102.0 71.7 133.1

130 96.3 71.3 132.5

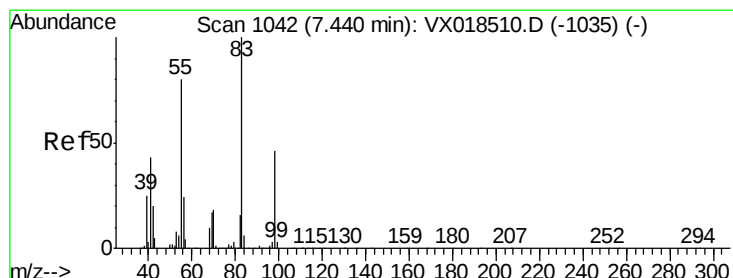
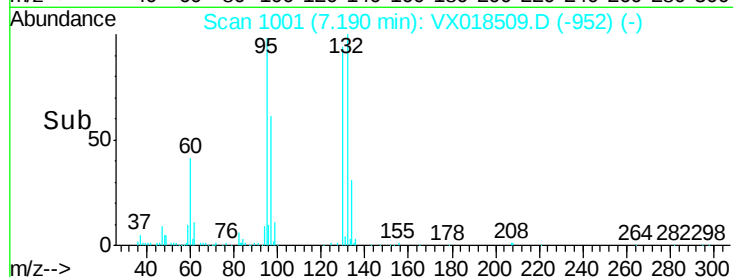
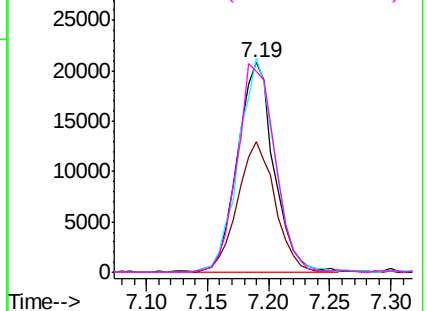


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 8.071 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

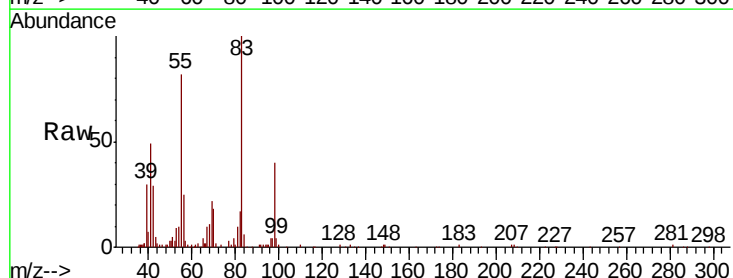
Tgt Ion: 83 Resp: 58323

Ion Ratio Lower Upper

83 100

55 82.2 61.6 92.4

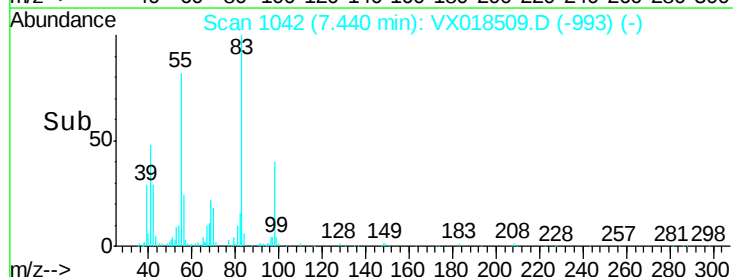
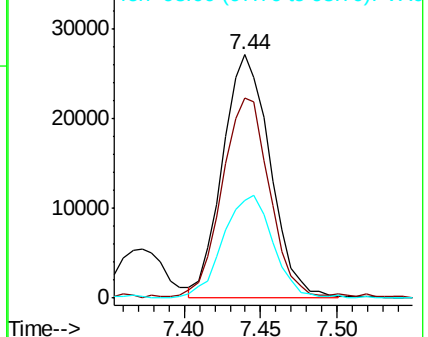
98 44.6 37.0 55.4

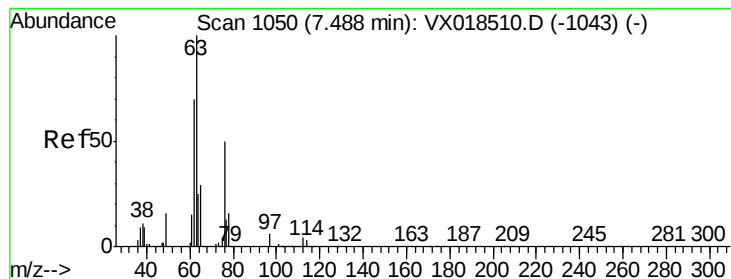


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 8.653 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

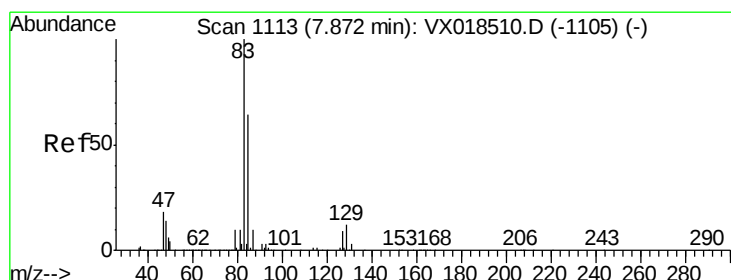
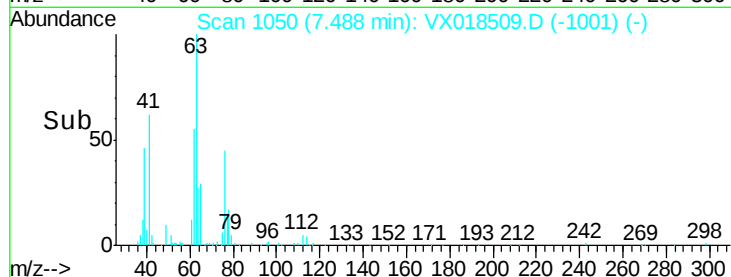
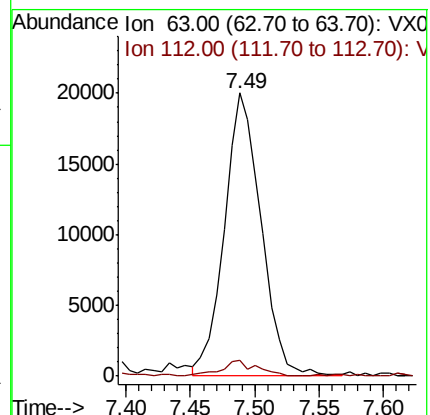
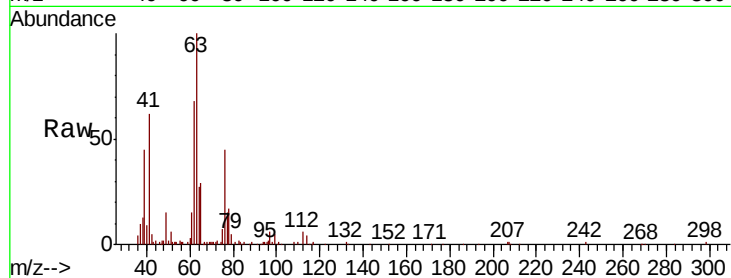
VSTD010402

Tot Ion: 63 Resp: 39474

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3



#38

Bromodichloromethane

Concen: 8.673 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

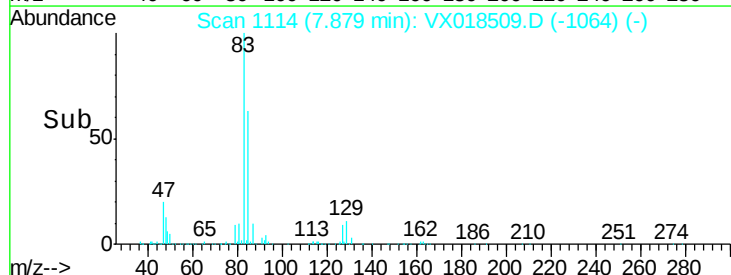
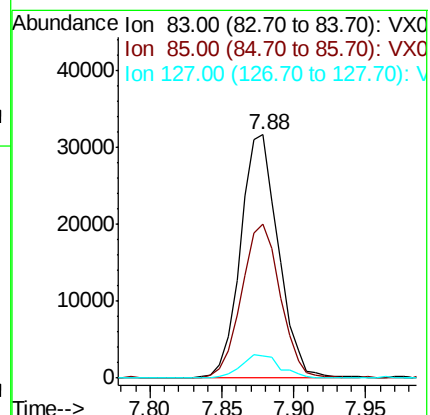
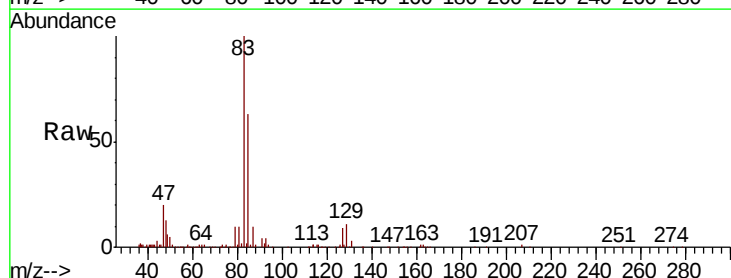
Tgt Ion: 83 Resp: 57529

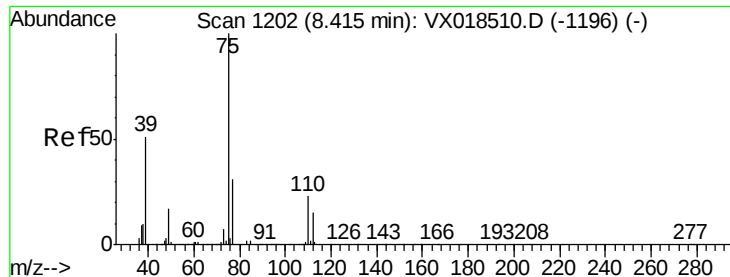
Ion Ratio Lower Upper

83 100

85 63.0 45.0 83.6

127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 8.023 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

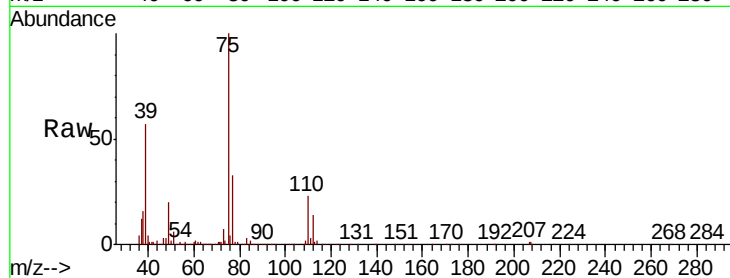
VSTD010402

Tot Ion: 75 Resp: 60741

Ion Ratio Lower Upper

75 100

77 33.4 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.42

40000

30000

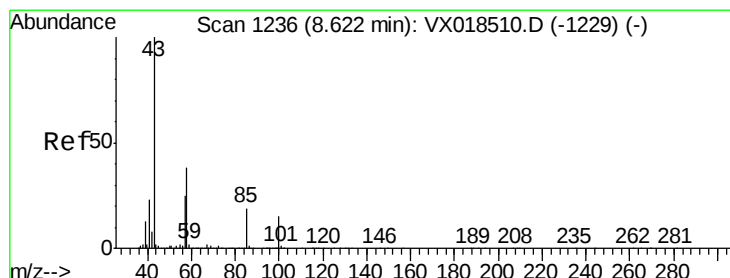
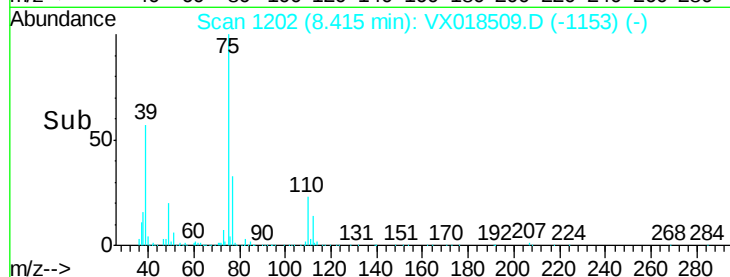
20000

10000

0

8.35 8.40 8.45 8.50

Time-->



#40

4-Methyl-2-pentanone

Concen: 16.094 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

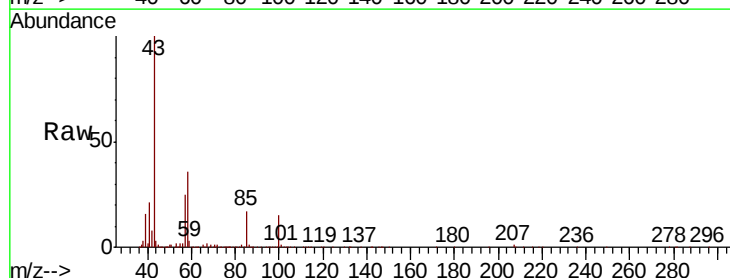
Tgt Ion: 43 Resp: 102215

Ion Ratio Lower Upper

43 100

58 37.9 30.6 45.8

100 15.5 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.62

80000

60000

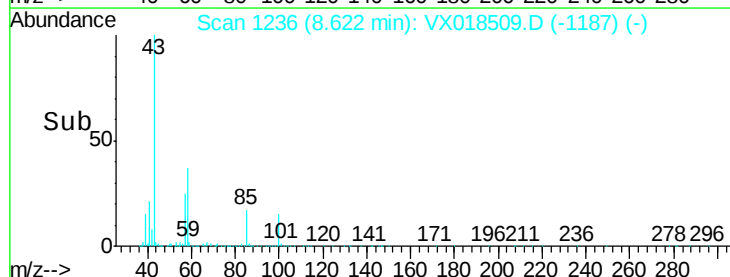
40000

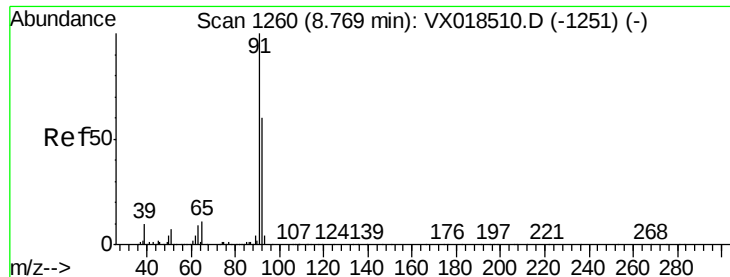
20000

0

8.55 8.60 8.65 8.70

Time-->





#42

Toluene

Concen: 8.240 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

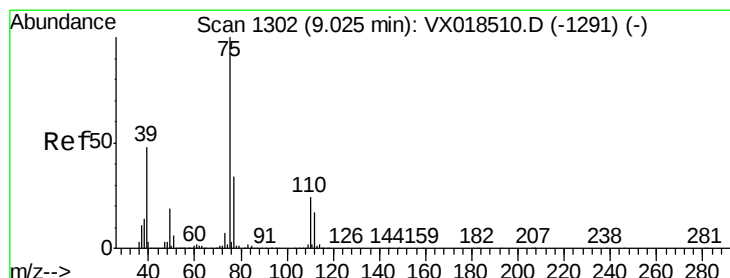
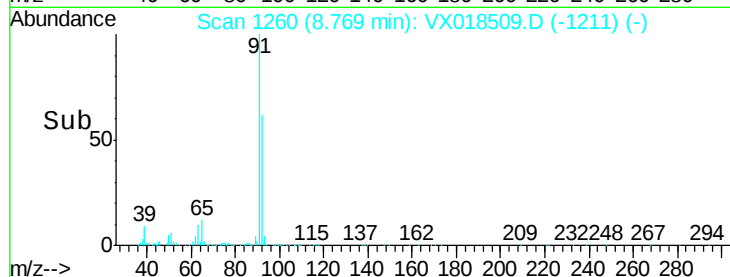
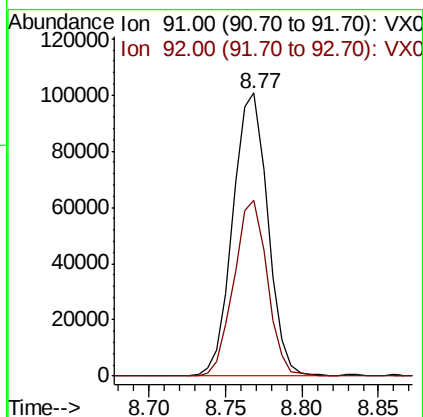
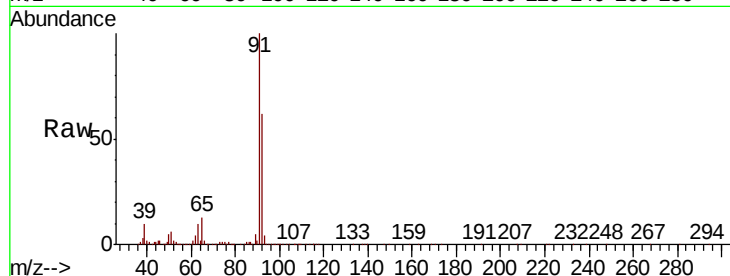
VSTD010402

Tot Ion: 91 Resp: 159382

Ion Ratio Lower Upper

91 100

92 61.9 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 8.382 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018509.D

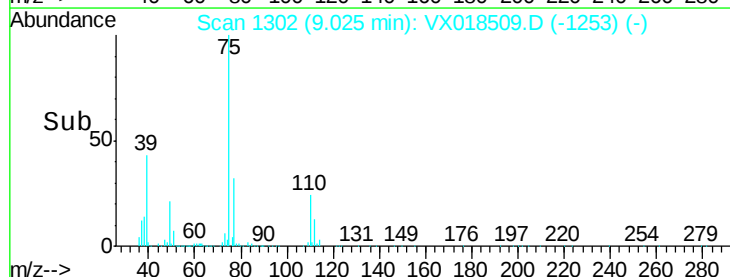
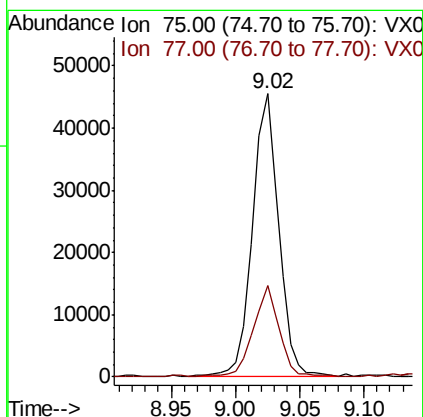
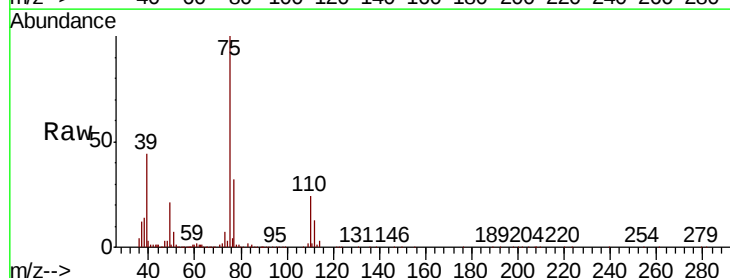
Acq: 21 Sep 2020 12:24

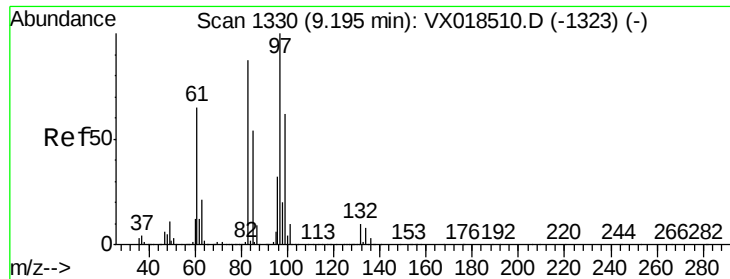
Tgt Ion: 75 Resp: 63999

Ion Ratio Lower Upper

75 100

77 32.2 23.6 43.8

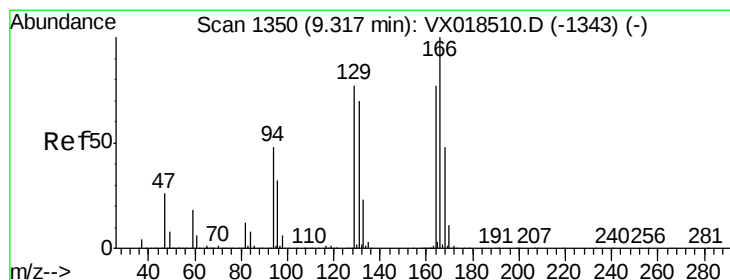
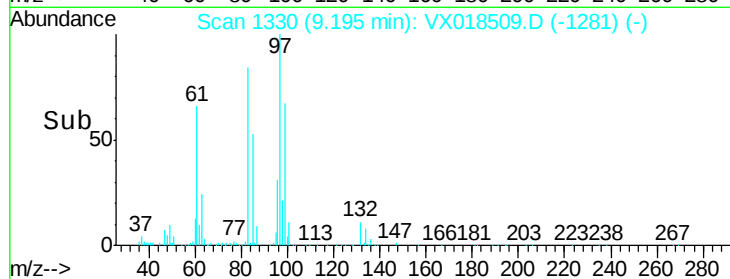
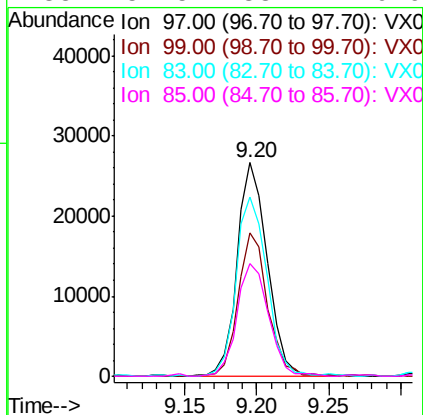
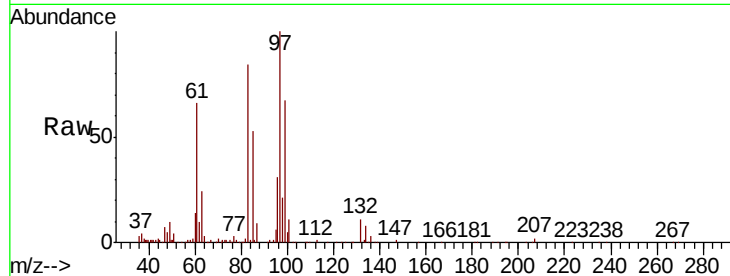




#45
1,1,2-Trichloroethane
Concen: 8.534 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

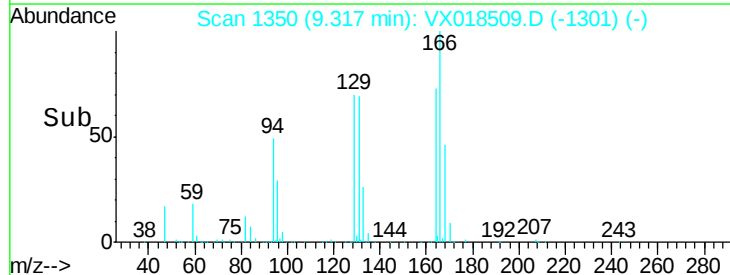
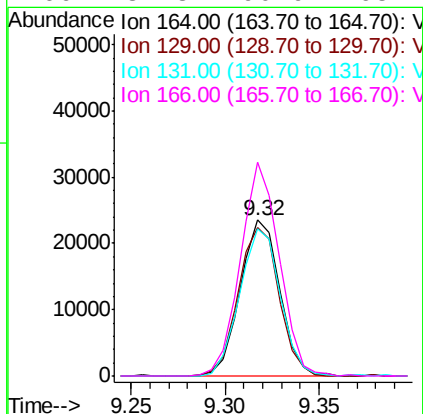
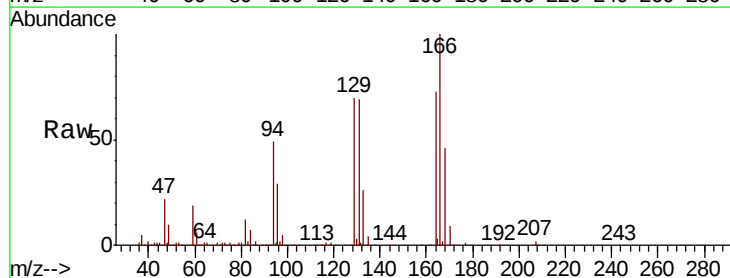
Instrument :
MSVOA_X
ClientSampleId :
VSTD010402

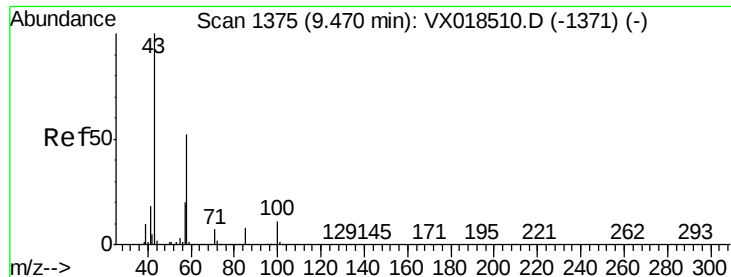
Tot Ion:	97	Resp:	38955
Ion	Ratio	Lower	Upper
97	100		
99	67.2	43.5	80.9
83	83.7	60.8	113.0
85	52.5	38.1	70.9



#46
Tetrachloroethene
Concen: 8.535 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

Tgt Ion:	164	Resp:	34169
Ion	Ratio	Lower	Upper
164	100		
129	95.4	69.7	129.5
131	94.4	63.4	117.8
166	137.3	90.9	168.7

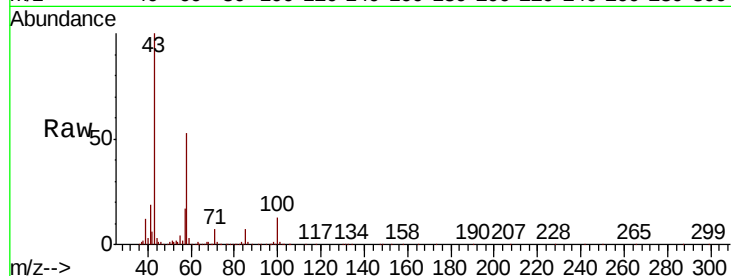




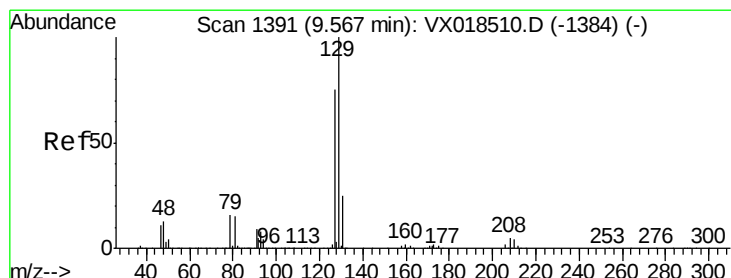
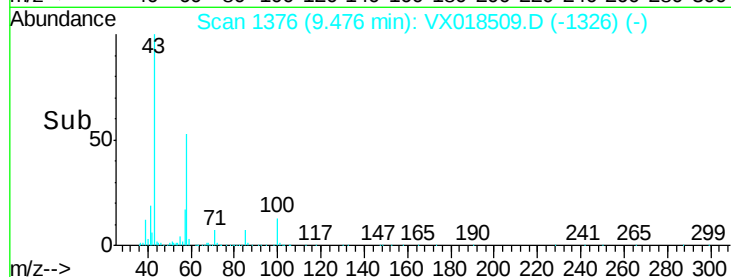
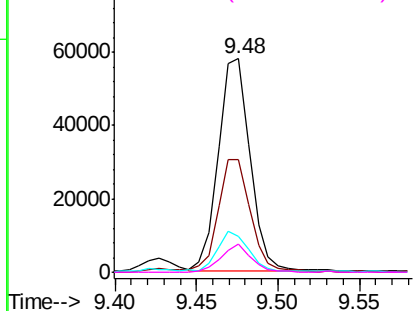
#48
2-Hexanone
Concen: 16.021 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

Instrument :
MSVOA_X
ClientSampleId :
VSTD010402

Tot Ion:	43	Resp:	79110
Ion	Ratio	Lower	Upper
43	100		
58	53.5	43.0	64.6
57	18.7	15.6	23.4
100	12.5	9.4	14.2

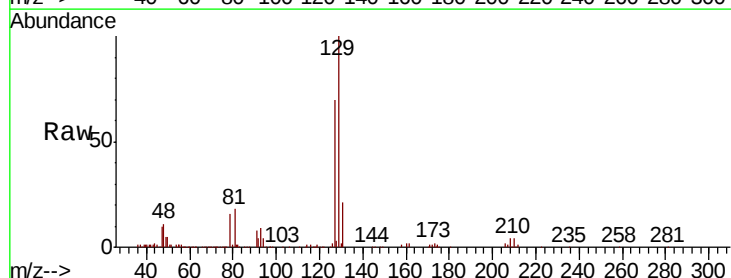


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

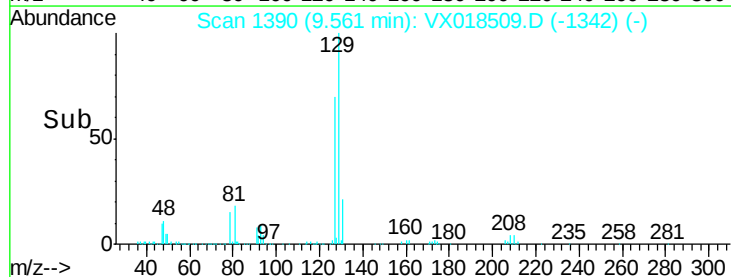
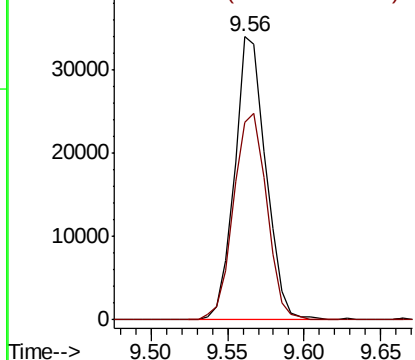


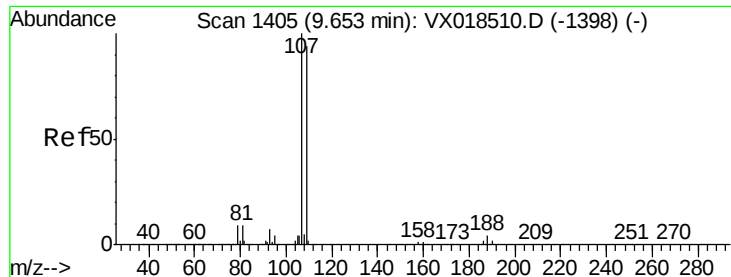
#49
Dibromochloromethane
Concen: 8.469 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

Tgt Ion:	129	Resp:	48131
Ion	Ratio	Lower	Upper
129	100		
127	69.6	52.6	97.6



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

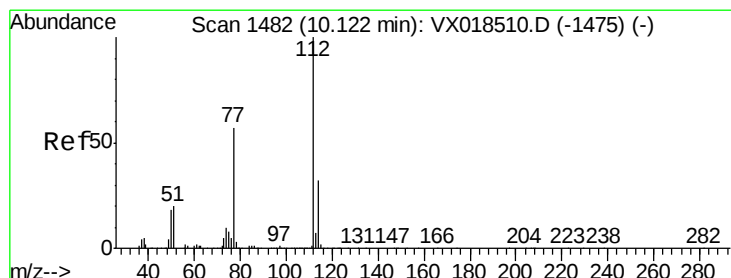
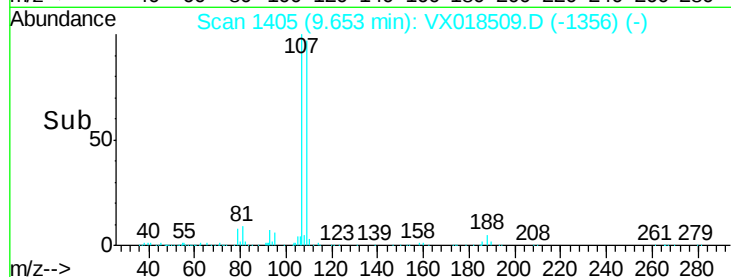
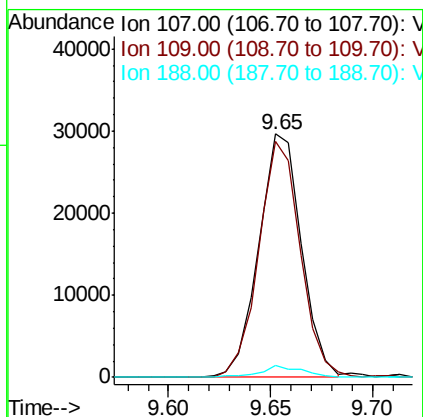
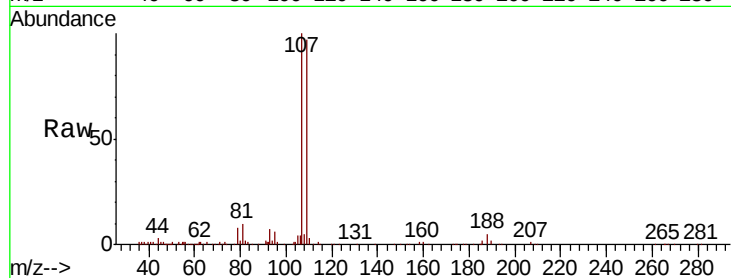




#50
 1,2-Dibromoethane
 Concen: 8.728 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

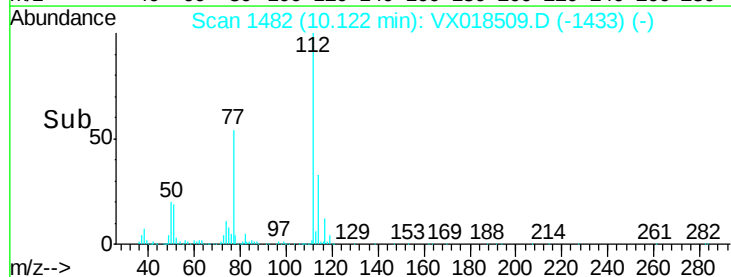
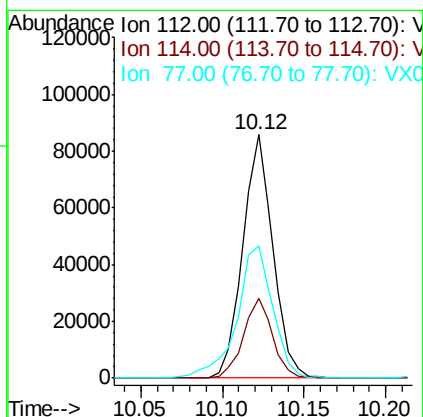
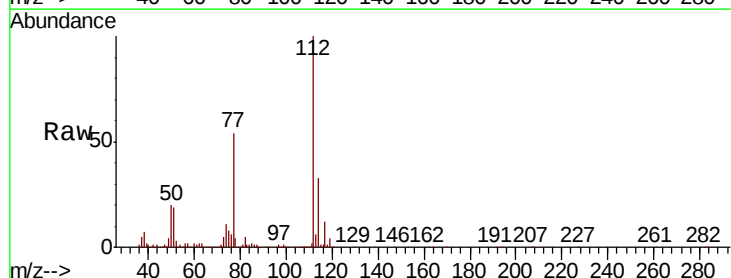
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010402

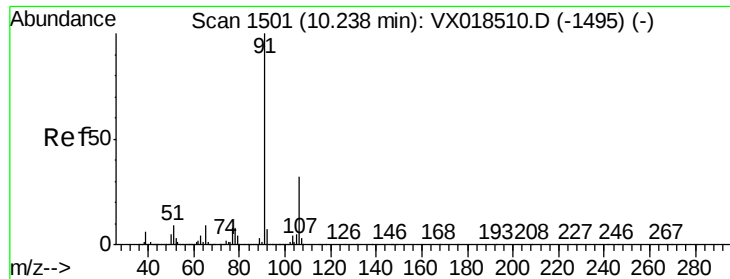
Tot Ion:107 Resp: 43117
 Ion Ratio Lower Upper
 107 100
 109 97.0 65.7 121.9
 188 5.0 3.0 4.4#



#51
 Chlorobenzene
 Concen: 8.656 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Tgt Ion:112 Resp: 110789
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.2 41.2
 77 54.2 46.1 69.1





#52

Ethylbenzene

Concen: 8.202 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

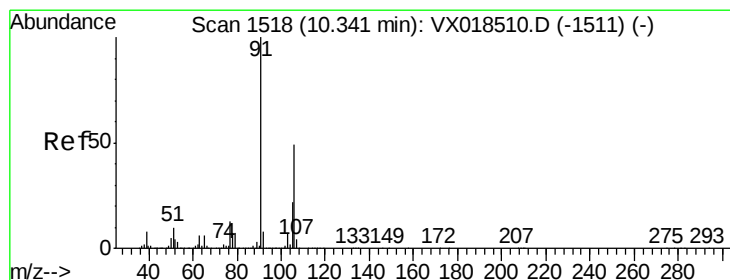
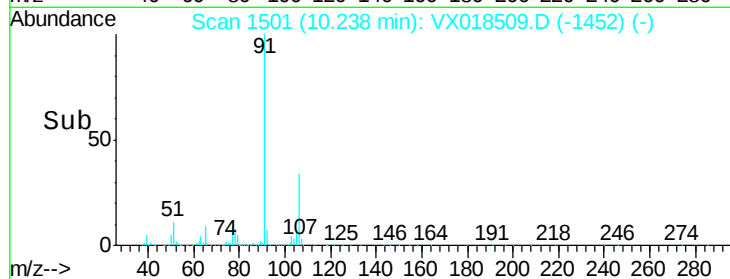
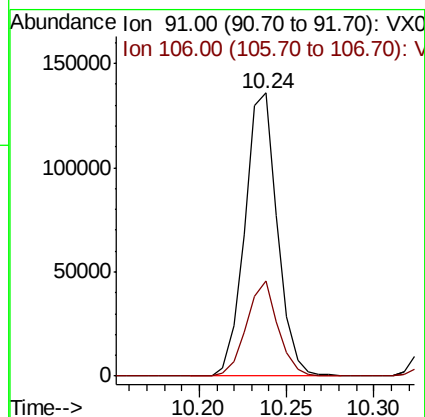
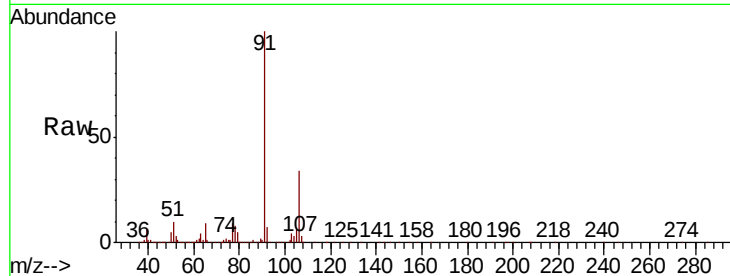
VSTD010402

Tot Ion: 91 Resp: 175535

Ion Ratio Lower Upper

91 100

106 33.7 22.0 41.0



#53

m,p-Xylene

Concen: 7.767 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018509.D

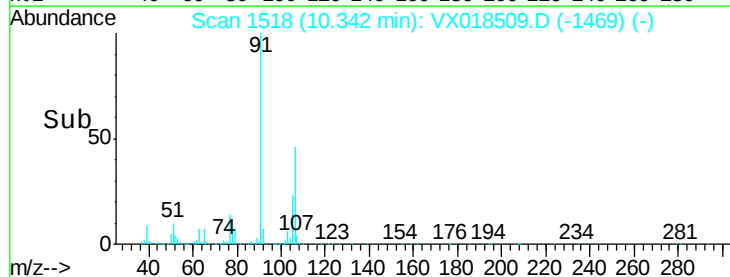
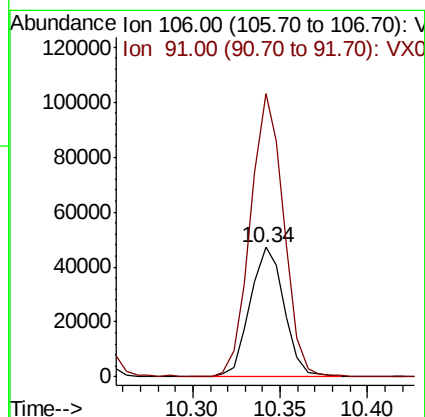
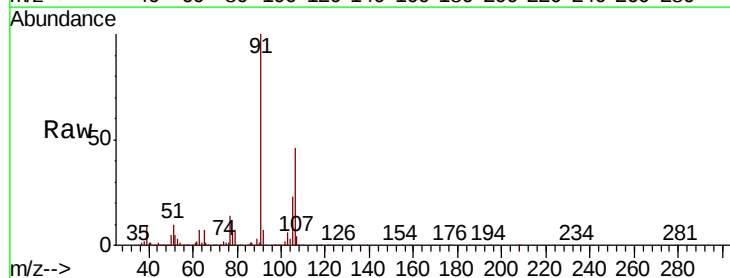
Acq: 21 Sep 2020 12:24

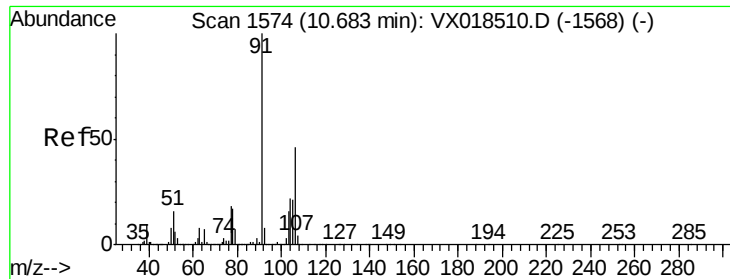
Tgt Ion: 106 Resp: 64823

Ion Ratio Lower Upper

106 100

91 218.2 142.2 264.0

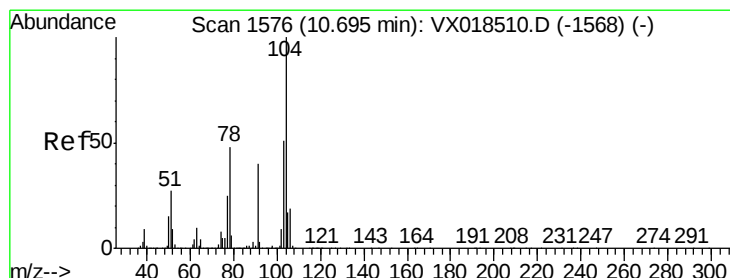
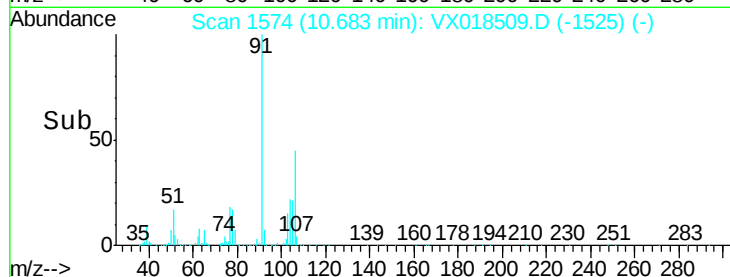
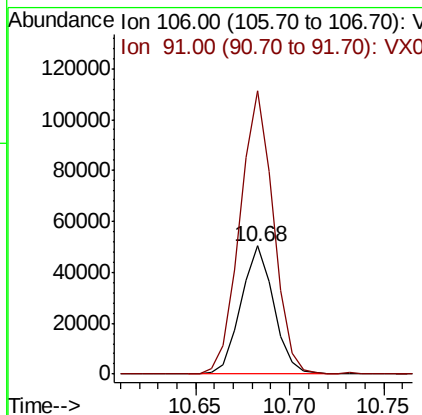
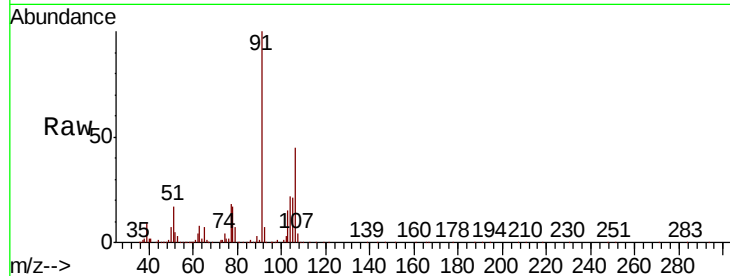




#54
o-Xylene
Concen: 7.580 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

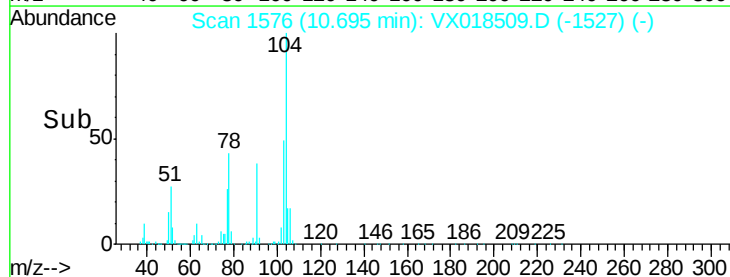
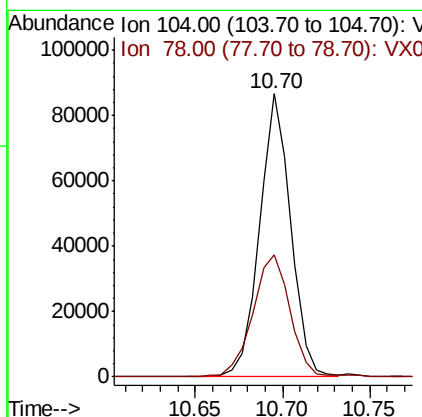
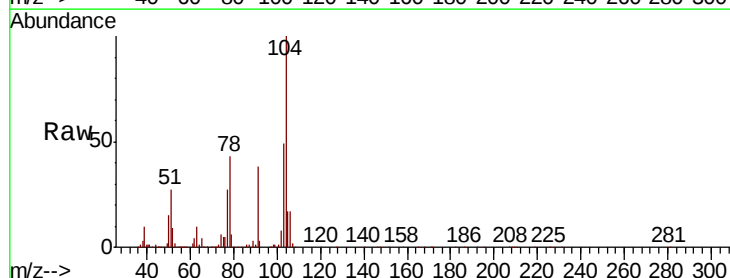
Instrument :
MSVOA_X
ClientSampleId :
VSTD010402

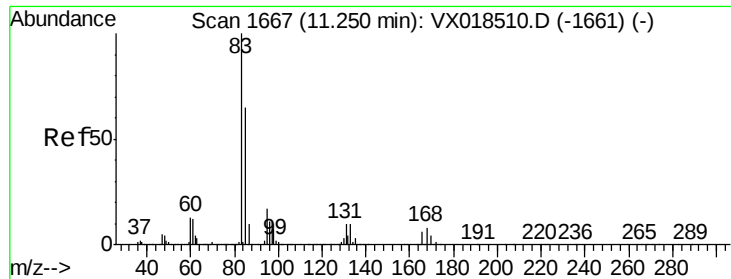
Tot Ion:106 Resp: 61260
Ion Ratio Lower Upper
106 100
91 220.7 152.2 282.6



#55
Styrene
Concen: 7.843 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018509.D
Acq: 21 Sep 2020 12:24

Tgt Ion:104 Resp: 108235
Ion Ratio Lower Upper
104 100
78 43.2 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 8.646 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

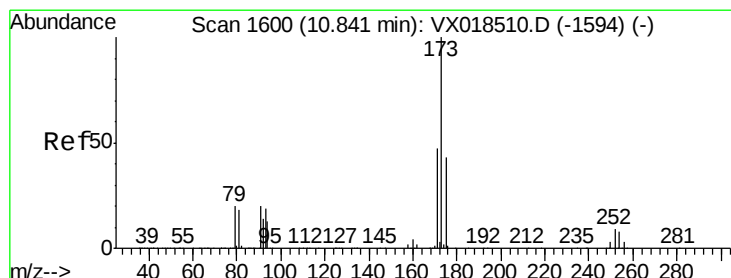
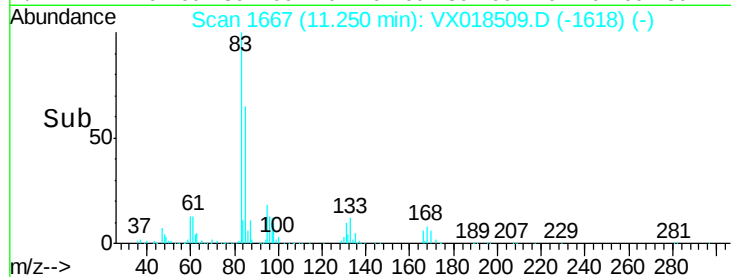
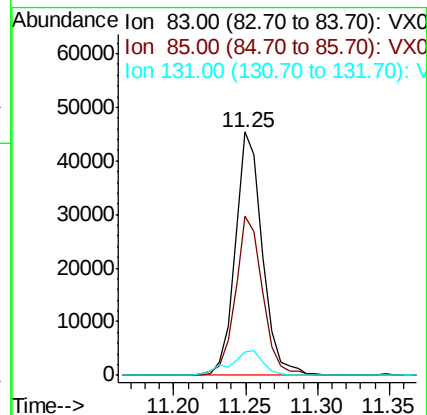
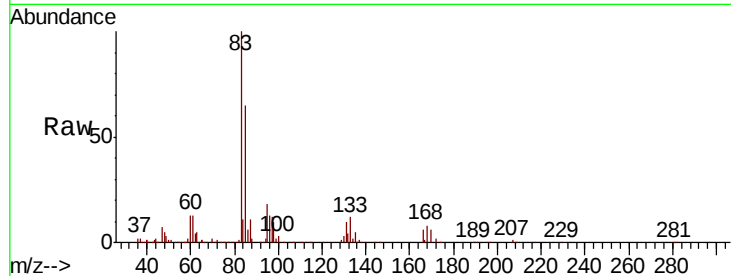
Tot Ion: 83 Resp: 59792

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8

131 9.8 8.0 12.0



#59

Bromoform

Concen: 8.715 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

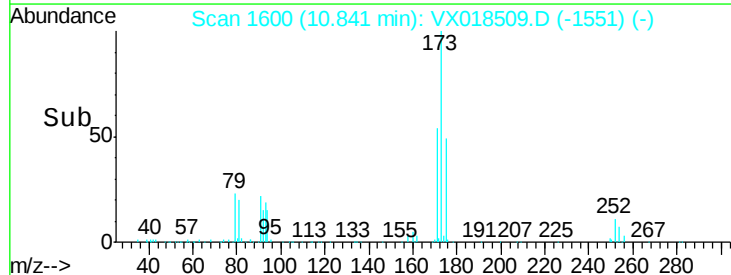
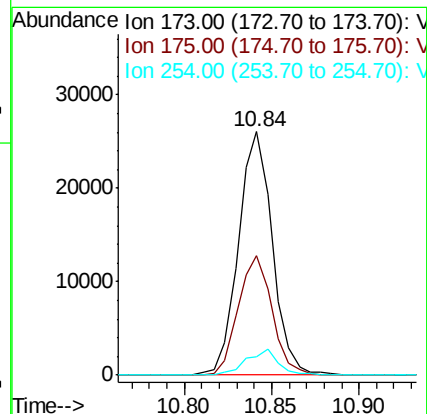
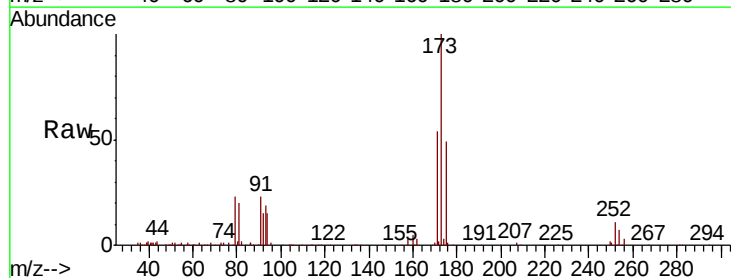
Tgt Ion: 173 Resp: 35114

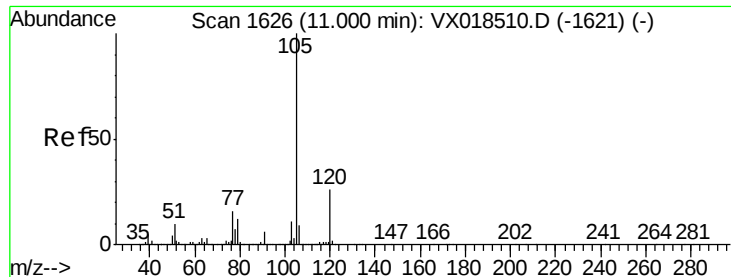
Ion Ratio Lower Upper

173 100

175 48.8 37.7 56.5

254 9.8 7.2 10.8





#60

Isopropylbenzene

Concen: 8.589 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

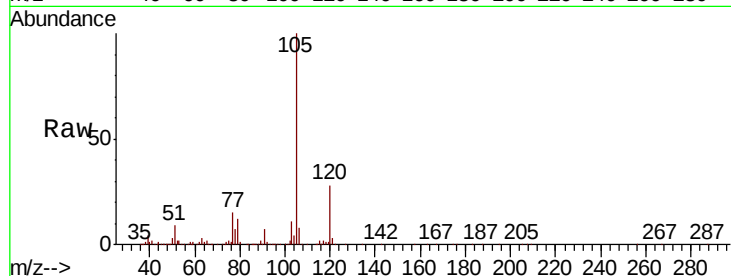
Tot Ion: 105 Resp: 170576

Ion Ratio Lower Upper

105 100

120 26.0 21.8 32.8

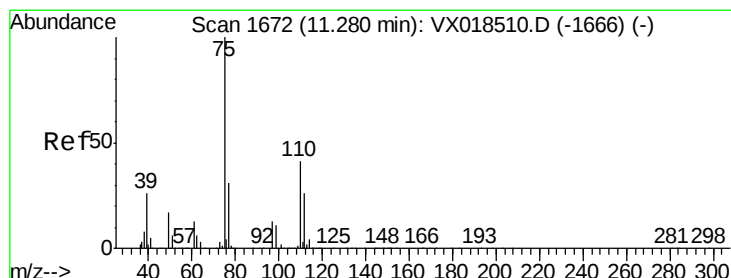
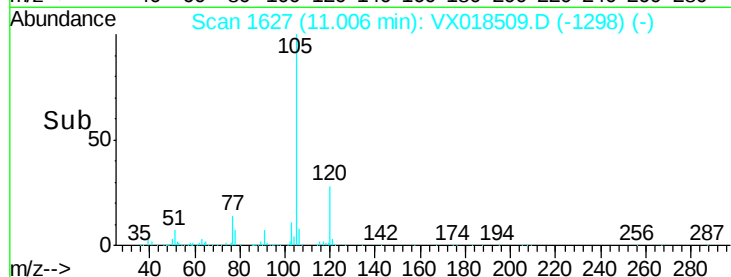
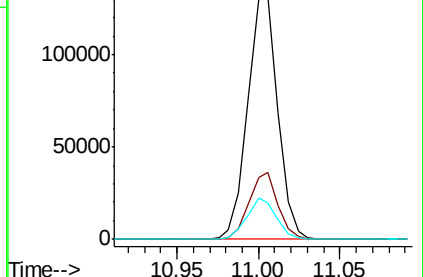
77 16.4 12.7 19.1



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: 9.937 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

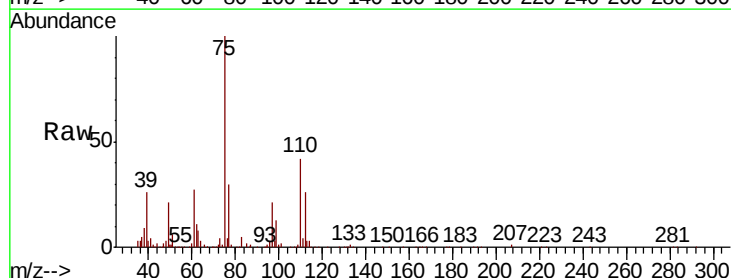
Tgt Ion: 75 Resp: 52645

Ion Ratio Lower Upper

75 100

77 29.0 26.0 39.0

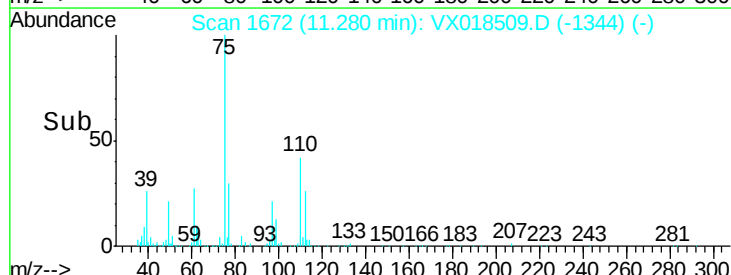
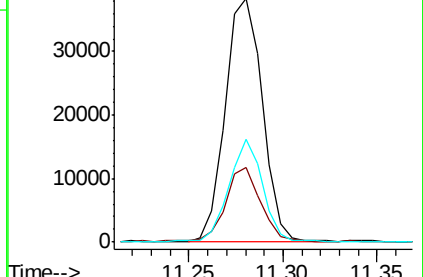
110 38.0 32.4 48.6

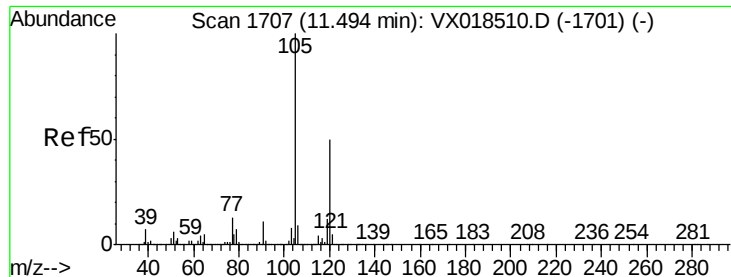


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 8.070 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

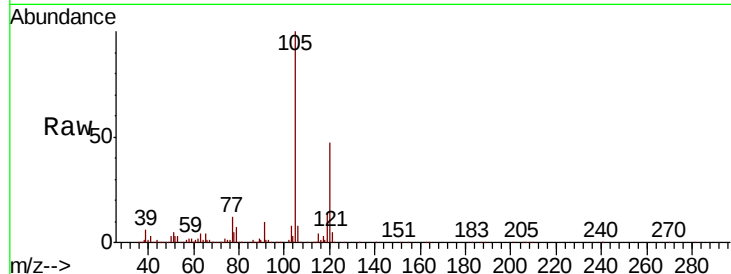
VSTD010402

Tot Ion:105 Resp: 132898

Ion Ratio Lower Upper

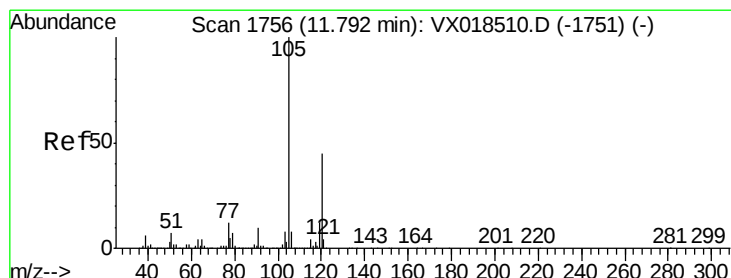
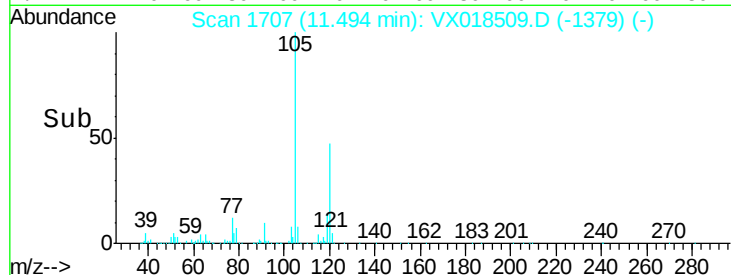
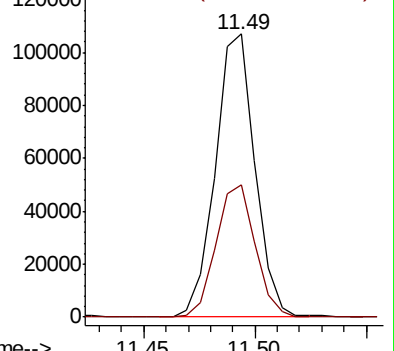
105 100

120 46.4 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 7.936 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018509.D

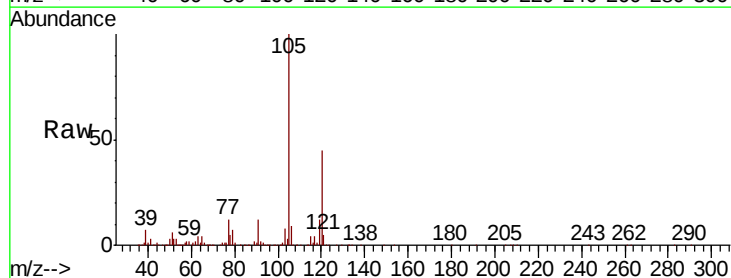
Acq: 21 Sep 2020 12:24

Tgt Ion:105 Resp: 134218

Ion Ratio Lower Upper

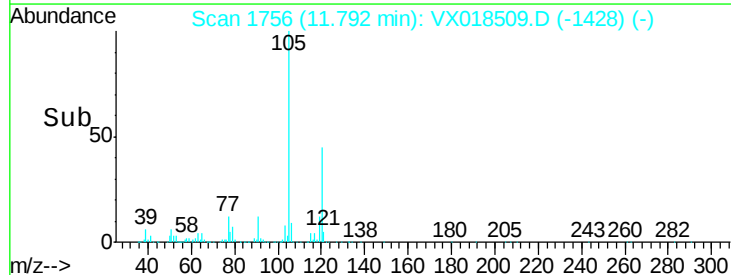
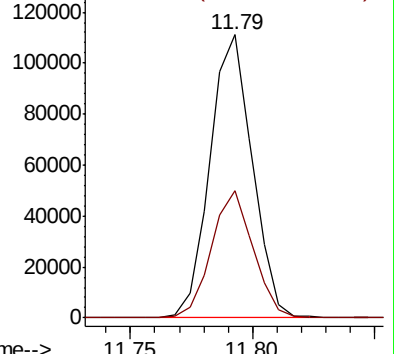
105 100

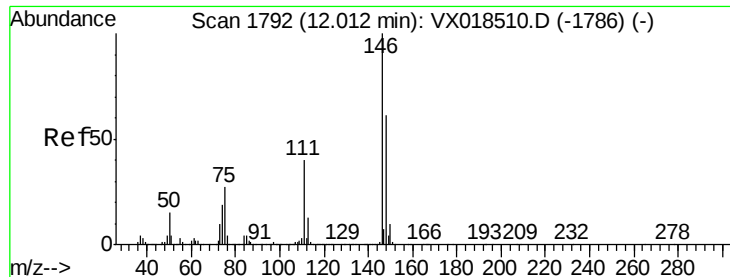
120 44.5 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 8.945 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

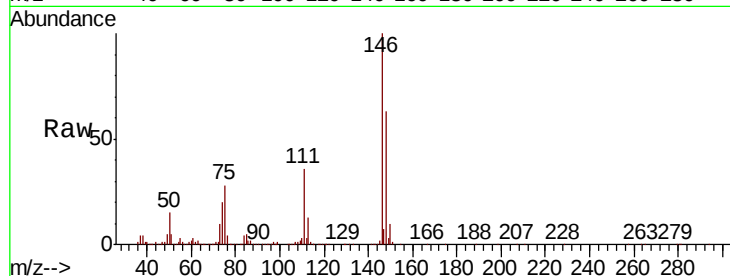
Tot Ion:146 Resp: 84829

Ion Ratio Lower Upper

146 100

111 35.7 27.8 51.6

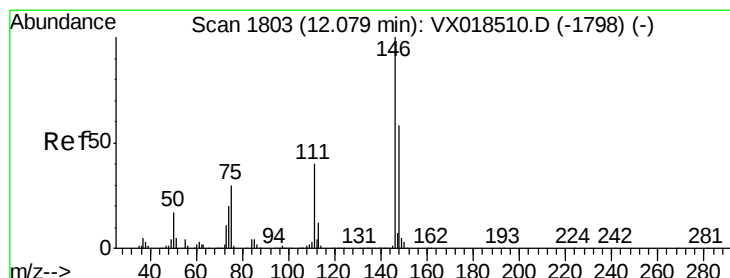
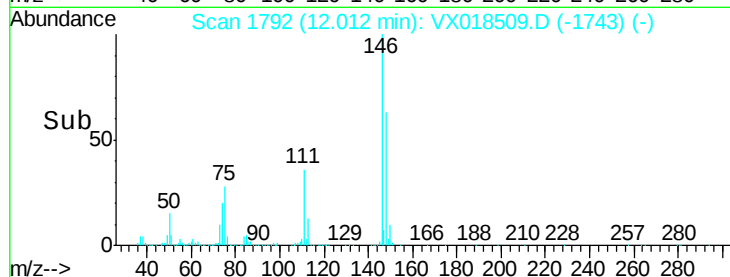
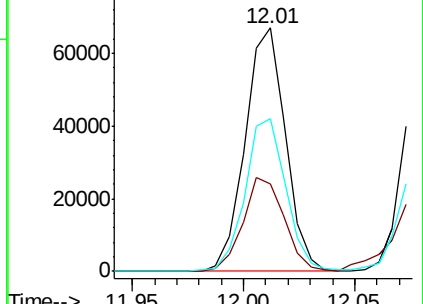
148 62.9 42.6 79.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 9.100 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

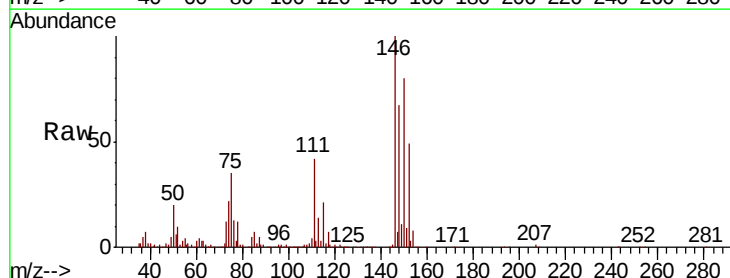
Tgt Ion:146 Resp: 87517

Ion Ratio Lower Upper

146 100

111 41.5 27.9 51.7

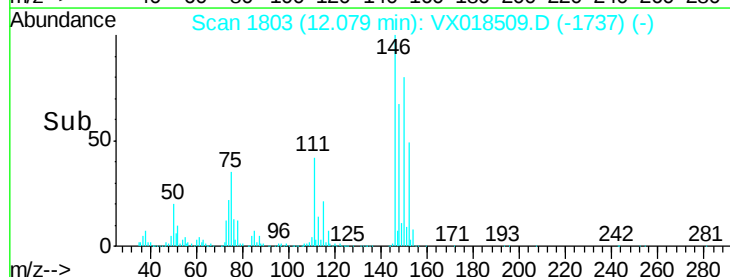
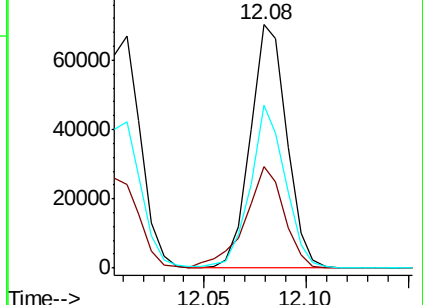
148 67.1 40.5 75.3

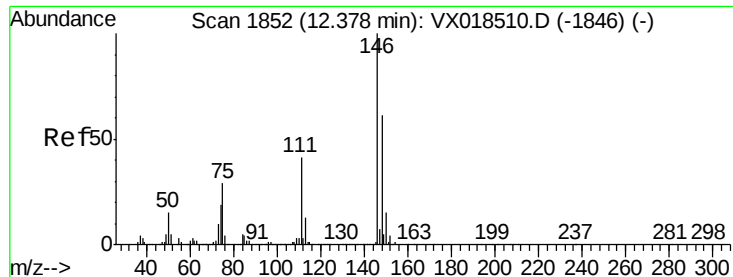


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

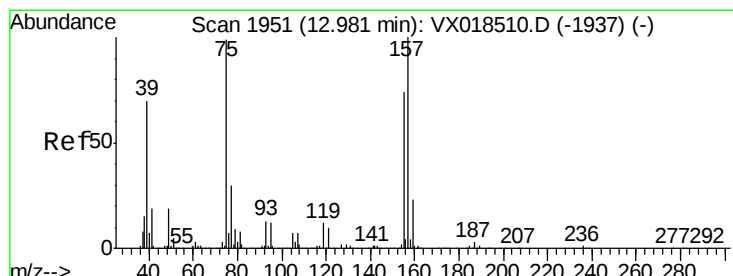
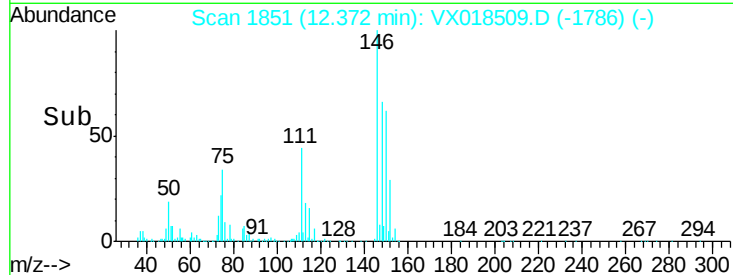
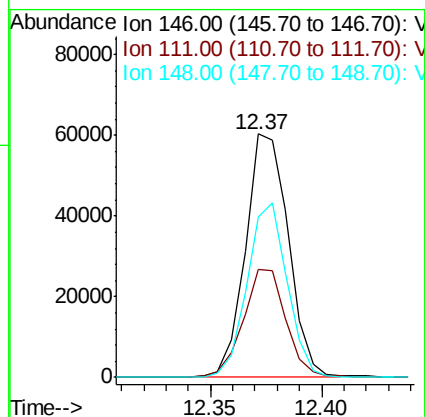
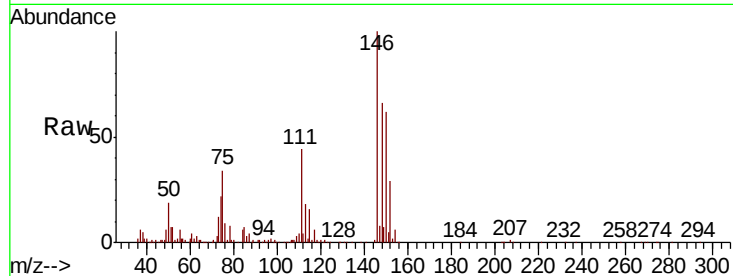




#67
 1,2-Dichlorobenzene
 Concen: 8.792 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

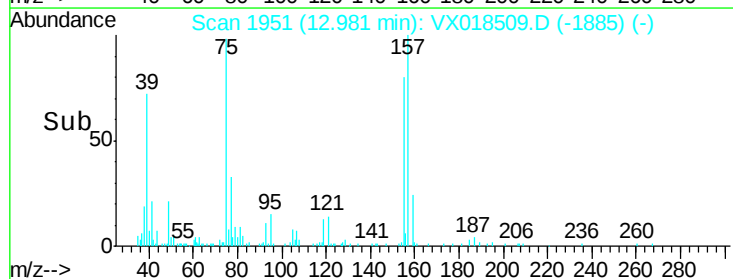
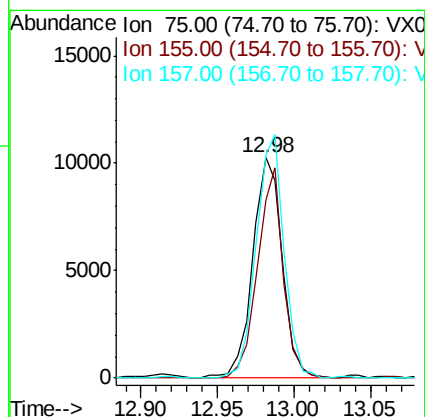
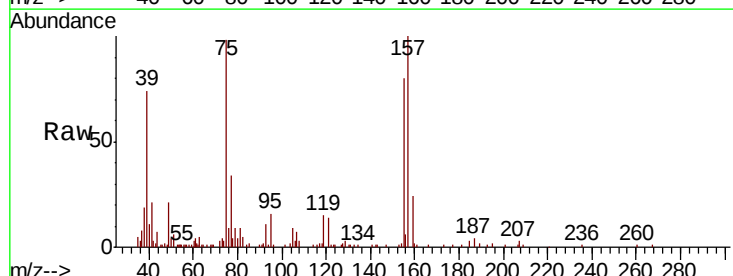
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010402

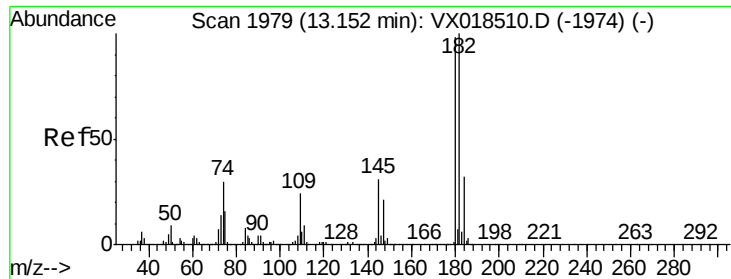
Tot Ion:146 Resp: 80775
 Ion Ratio Lower Upper
 146 100
 111 44.1 33.1 49.7
 148 65.7 48.4 72.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 8.671 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Tgt Ion: 75 Resp: 13724
 Ion Ratio Lower Upper
 75 100
 155 80.9 59.4 89.0
 157 101.7 80.7 121.1

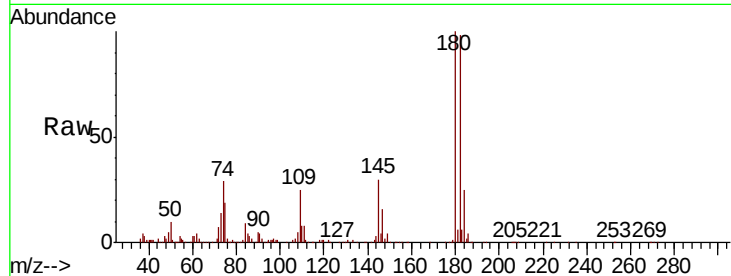




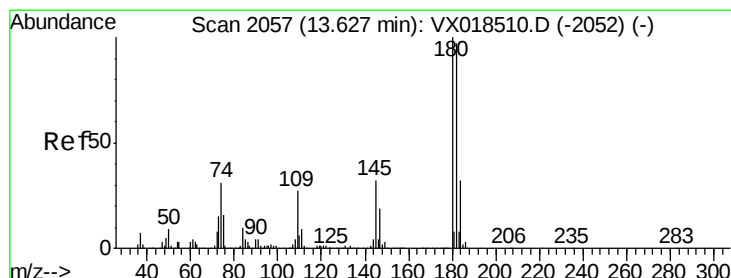
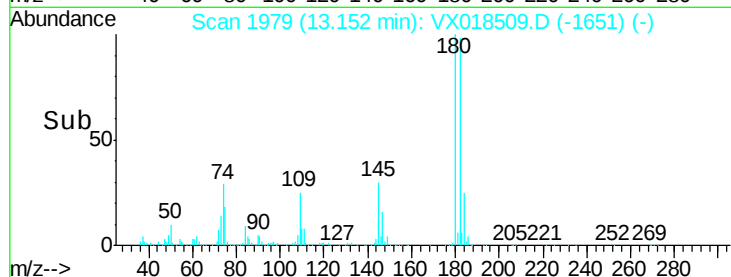
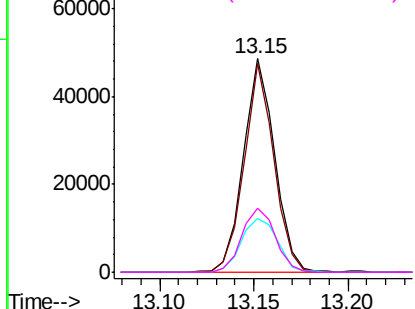
#69
 1,3,5-Trichlorobenzene
 Concen: 9.138 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010402

Tot Ion:180	Resp:	55897
Ion Ratio	Lower	Upper
180	100	
182	93.4	82.5 123.7
184	29.3	25.4 38.2
145	32.1	26.2 39.2

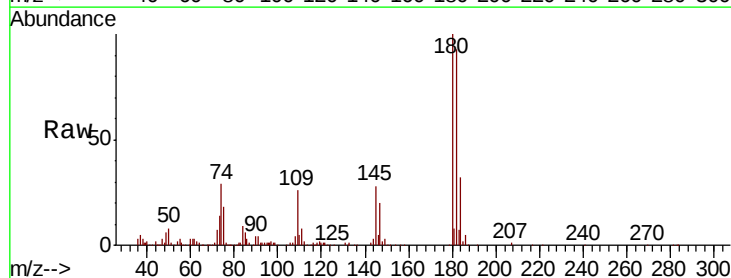


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

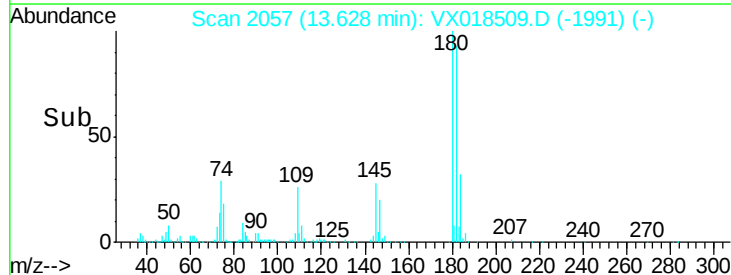
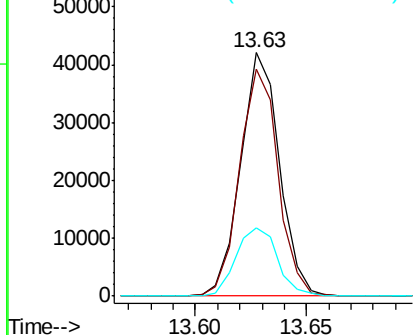


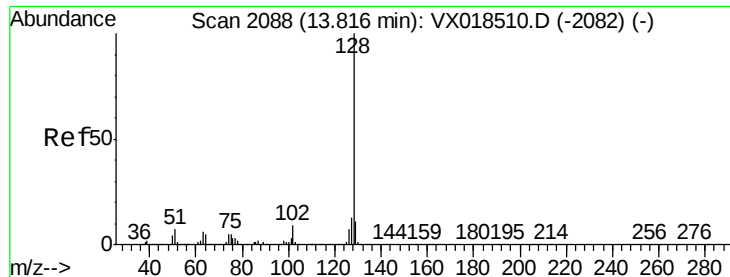
#70
 1,2,4-trichlorobenzene
 Concen: 9.207 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018509.D
 Acq: 21 Sep 2020 12:24

Tgt Ion:180	Resp:	51409
Ion Ratio	Lower	Upper
180	100	
182	92.0	78.6 118.0
145	29.9	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: 7.611 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

VSTD010402

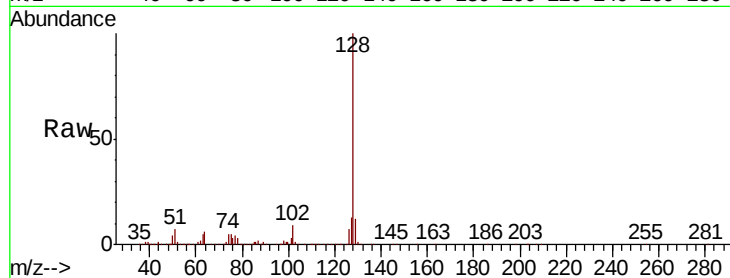
Tot Ion:128 Resp: 144305

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

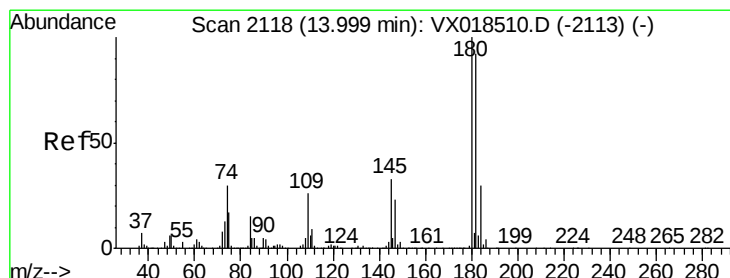
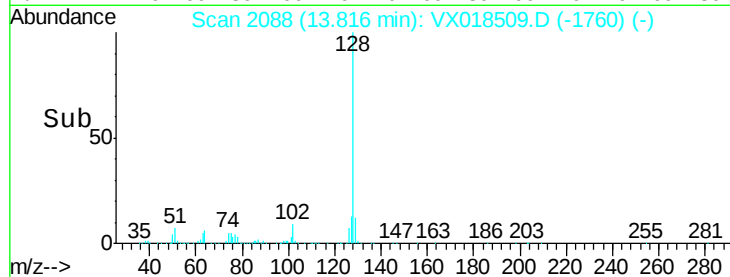
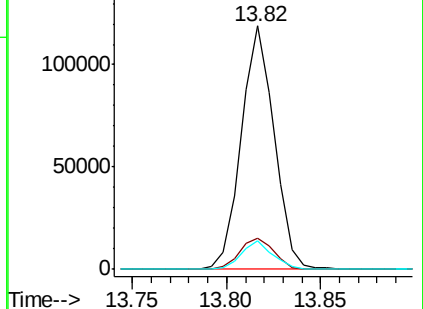
129 11.1 8.8 13.2



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: 8.225 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018509.D

Acq: 21 Sep 2020 12:24

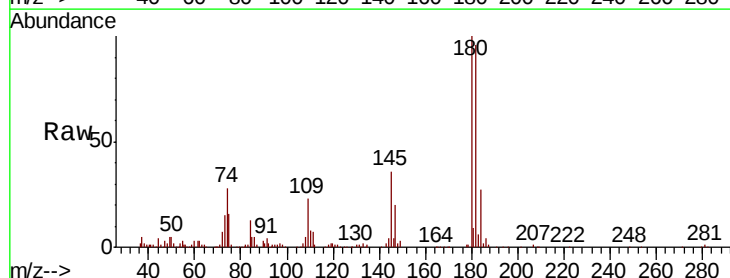
Tgt Ion:180 Resp: 48934

Ion Ratio Lower Upper

180 100

182 98.5 76.6 114.8

145 35.3 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

