

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX110220\
 Data File : VX019204.D
 Acq On : 02 Nov 2020 10:41
 Operator : JC/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 02 12:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 12:49:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	425907	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	402181	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	186437	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	22645	7.64	ug/L	0.00
7) Chloroethane-d5	1.70	69	17231	7.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	34890	6.05	ug/L	0.00
21) 2-Butanone-d5	4.54	46	21965	11.79	ug/L	0.00
24) Chloroform-d	5.13	84	35471	6.51	ug/L	-0.01
26) 1,2-Dichloroethane-d4	6.03	65	29762	7.40	ug/L	0.00
32) Benzene-d6	6.04	84	73001	6.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	21189	6.45	ug/L	0.00
41) Toluene-d8	8.70	98	84965	8.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	11040	5.95	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	16983	12.43	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	24709	5.71	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	22794	6.35	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	13099	3.753	ug/L 98
3) Chloromethane	1.31	50	13420	4.765	ug/L 98
5) Vinyl chloride	1.39	62	15195	4.863	ug/L 98
6) Bromomethane	1.64	94	9828	5.597	ug/L 92
8) Chloroethane	1.72	64	9574	5.125	ug/L 97
9) Trichlorofluoromethane	1.92	101	21809	4.231	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12573	4.447	ug/L 98
12) 1,1-Dichloroethene	2.36	96	12159	4.564	ug/L # 64
13) Acetone	2.43	43	12103	8.943	ug/L 97
14) Carbon disulfide	2.55	76	37300	4.621	ug/L 99
15) Methyl Acetate	2.75	43	11934	4.177	ug/L 99
16) Methylene chloride	2.83	84	14365	4.889	ug/L 97
17) trans-1,2-Dichloroethene	3.14	96	13340	4.718	ug/L 96
18) Methyl tert-butyl Ether	3.16	73	39988	4.430	ug/L 99
19) 1,1-Dichloroethane	3.67	63	23410	4.503	ug/L 98
20) cis-1,2-Dichloroethene	4.56	96	14161	4.569	ug/L 92
22) 2-Butanone	4.64	43	18315	8.931	ug/L 98
23) Bromochloromethane	4.98	128	7161	4.304	ug/L 92
25) Chloroform	5.17	83	24050	4.190	ug/L 93
27) 1,2-Dichloroethane	6.15	62	18868	4.115	ug/L 99
29) Cyclohexane	5.54	56	20088	4.500	ug/L # 92
30) 1,1,1-Trichloroethane	5.46	97	21772	4.102	ug/L 99
31) Carbon tetrachloride	5.74	117	18419	3.889	ug/L 99
33) Benzene	6.10	78	51341	4.528	ug/L 100
34) Trichloroethene	7.18	95	14574	4.616	ug/L 99
35) Methylcyclohexane	7.44	83	21700	4.670	ug/L 99
37) 1,2-Dichloropropane	7.48	63	12696	4.278	ug/L 99
38) Bromodichloromethane	7.87	83	17566	4.163	ug/L 95
39) cis-1,3-Dichloropropene	8.41	75	20474	4.269	ug/L 99
40) 4-Methyl-2-pentanone	8.62	43	31283	8.103	ug/L 99

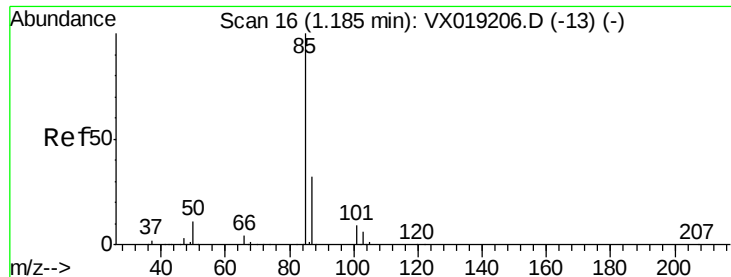
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 12:49:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	56429	4.624	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	19894	4.095	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	13021	4.537	ug/L	98
46) Tetrachloroethene	9.32	164	10980	4.312	ug/L	98
48) 2-Hexanone	9.47	43	25591	8.390	ug/L	97
49) Dibromochloromethane	9.56	129	13181	3.722	ug/L	95
50) 1,2-Dibromoethane	9.65	107	13178	4.196	ug/L	98
51) Chlorobenzene	10.12	112	36112	4.455	ug/L	98
52) Ethylbenzene	10.23	91	60312	4.445	ug/L	98
53) m,p-Xylene	10.34	106	21990	4.272	ug/L	99
54) o-Xylene	10.68	106	21579	4.355	ug/L	97
55) Styrene	10.70	104	35413	4.148	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	16728	3.857	ug/L	99
59) Bromoform	10.84	173	8661	3.627	ug/L	98
60) Isopropylbenzene	11.00	105	57044	4.686	ug/L	100
61) 1,2,3-Trichloropropane	11.27	75	15204	4.494	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	45686	4.547	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	42978	4.270	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	24452	4.173	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	26069	4.408	ug/L	96
67) 1,2-Dichlorobenzene	12.37	146	24276	4.302	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	3563	3.674	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	16539	4.201	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	14845	4.084	ug/L	99
71) Naphthalene	13.82	128	43736	3.859	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	14139	3.944	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.753 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

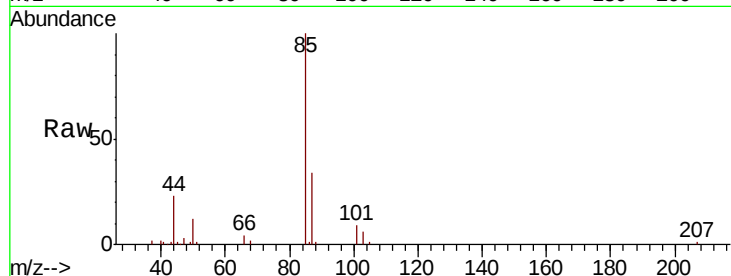
ClientSampleId :

Tot Ion: 85 Resp: 13099

Ion Ratio Lower Upper

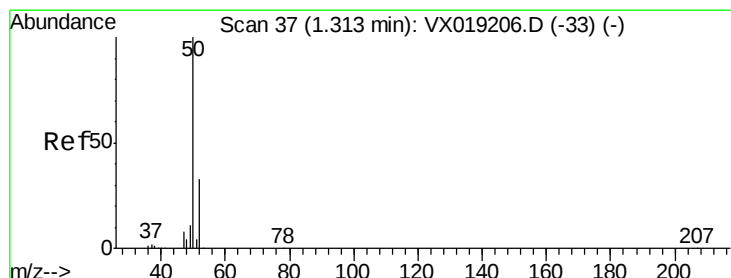
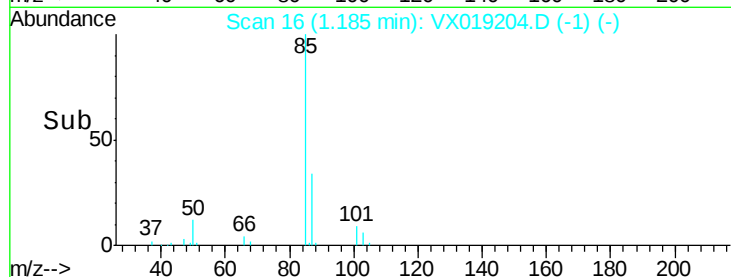
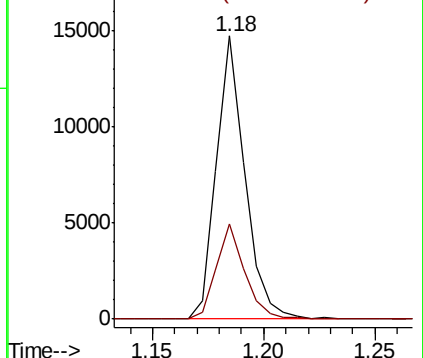
85 100

87 33.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 4.765 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019204.D

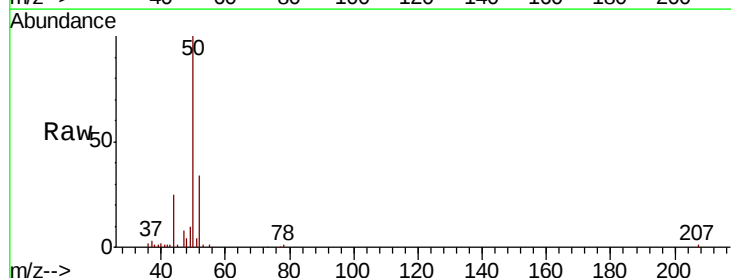
Acq: 02 Nov 2020 10:41

Tgt Ion: 50 Resp: 13420

Ion Ratio Lower Upper

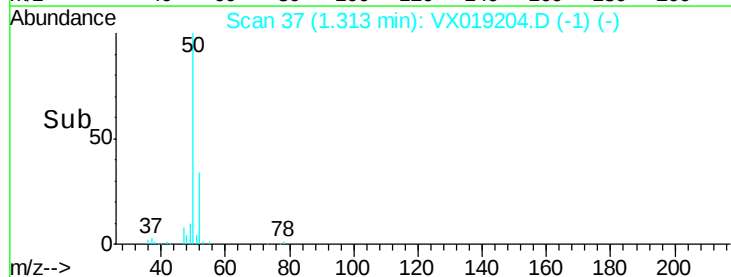
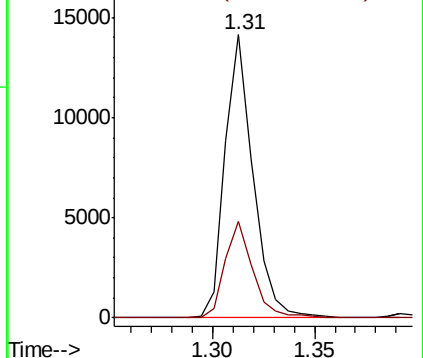
50 100

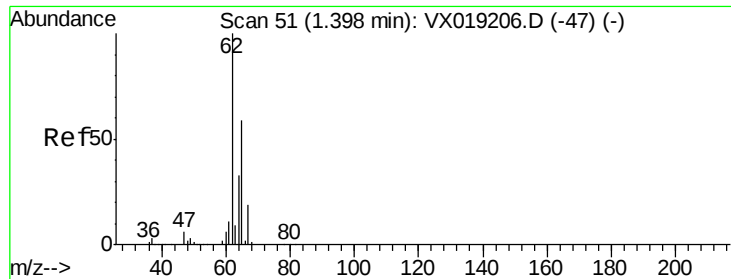
52 33.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 4.863 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

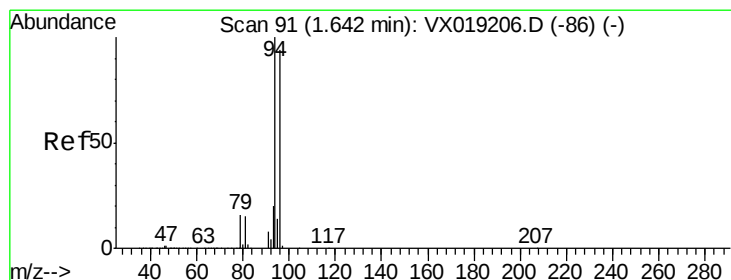
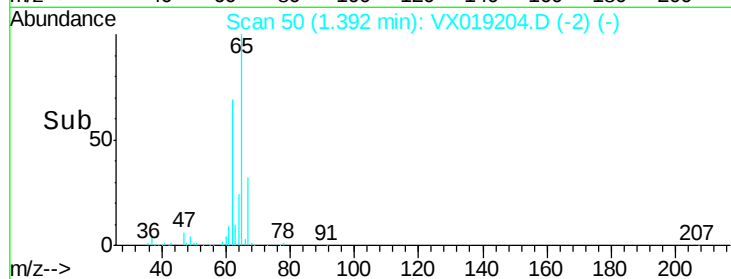
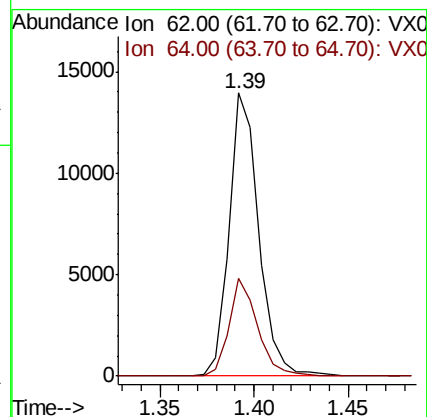
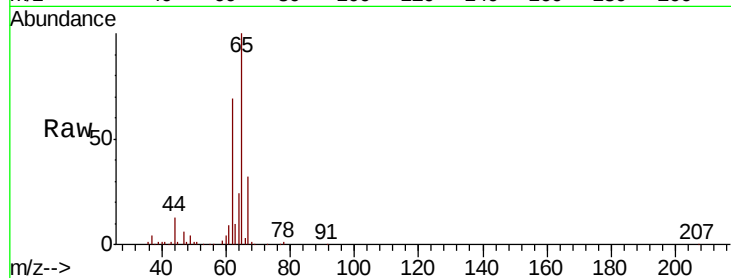
ClientSampled :

Tot Ion: 62 Resp: 15195

Ion Ratio Lower Upper

62 100

64 34.7 23.4 43.6



#6

Bromomethane

Concen: 5.597 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX019204.D

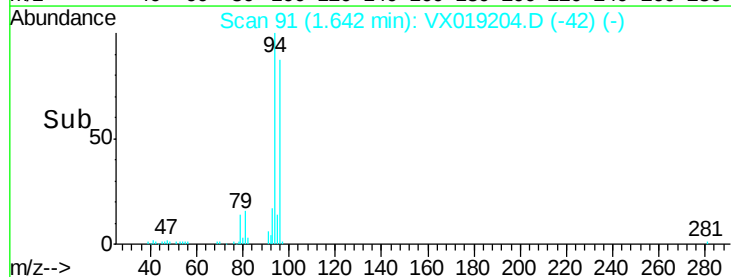
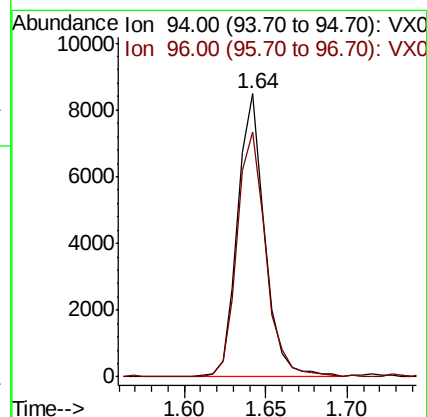
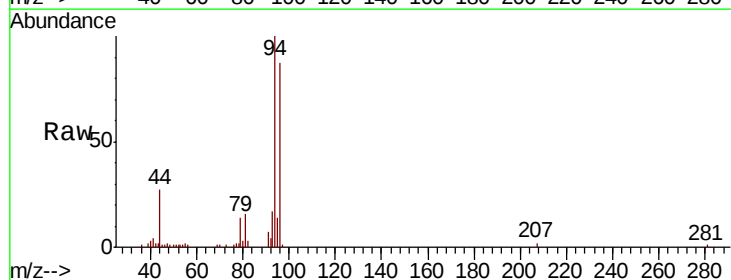
Acq: 02 Nov 2020 10:41

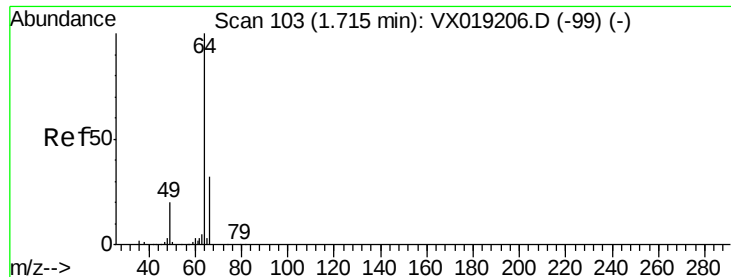
Tgt Ion: 94 Resp: 9828

Ion Ratio Lower Upper

94 100

96 86.6 66.0 122.6

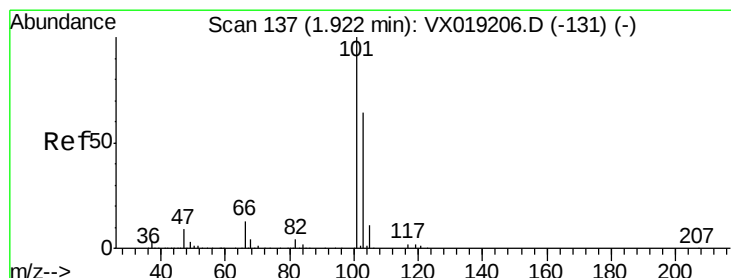
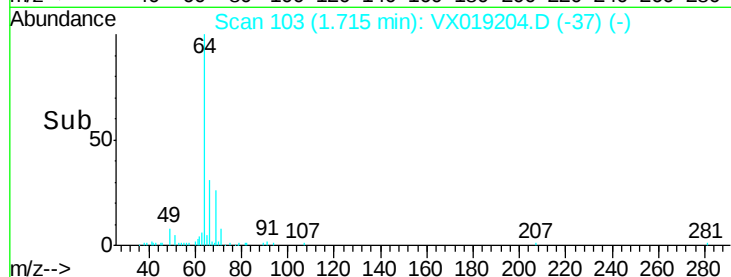
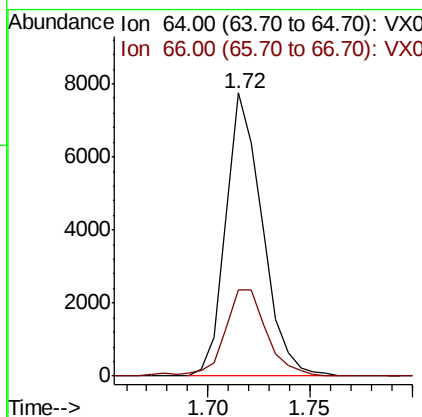
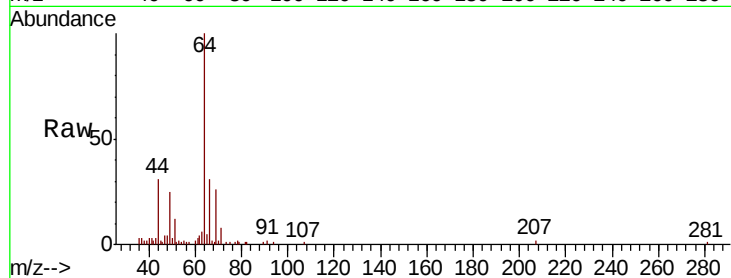




#8
Chloroethane
Concen: 5.125 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

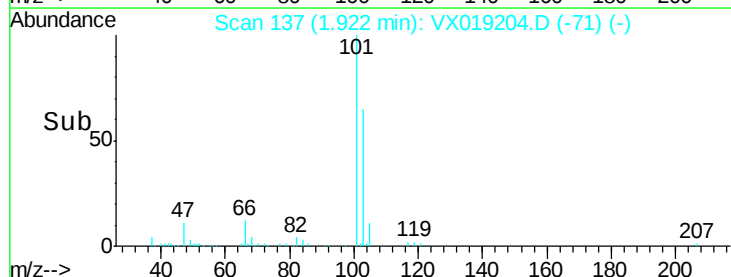
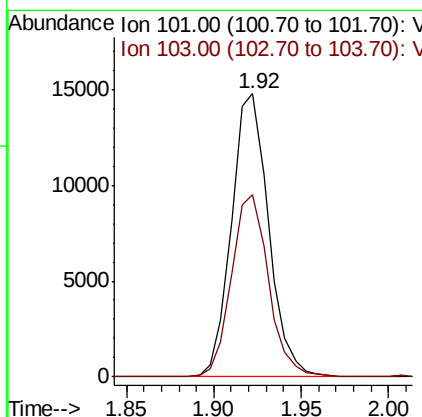
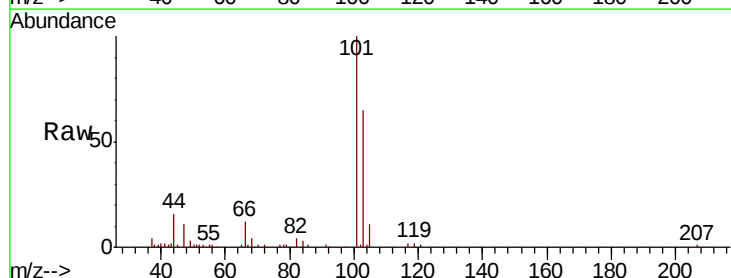
Instrument :
MSVOA_X
ClientSampled :

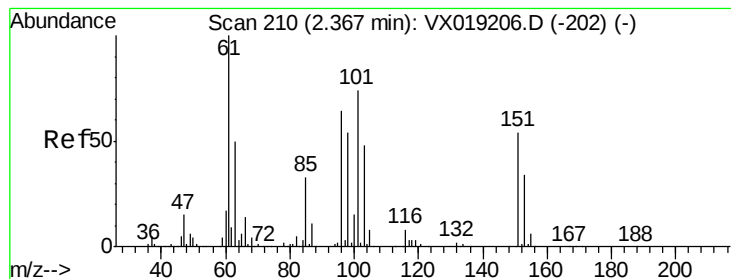
Tot Ion: 64 Resp: 9574
Ion Ratio Lower Upper
64 100
66 30.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.231 ug/L
RT: 1.92 min Scan# 137
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Tgt Ion: 101 Resp: 21809
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9





#10

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

Concen: 4.447 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

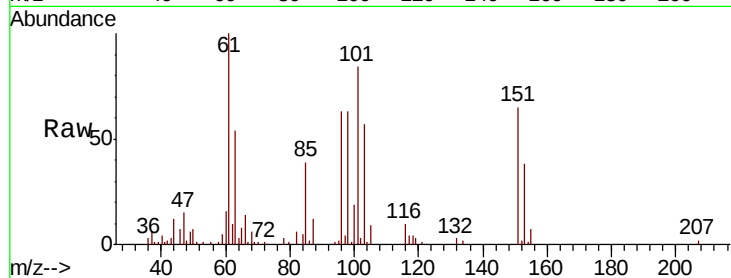
Tot Ion:101 Resp: 12573

Ion Ratio Lower Upper

101 100

85 45.6 35.0 52.4

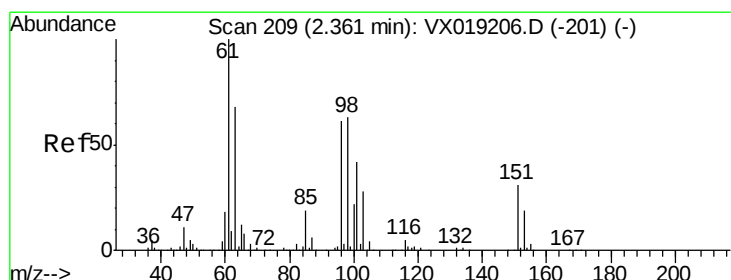
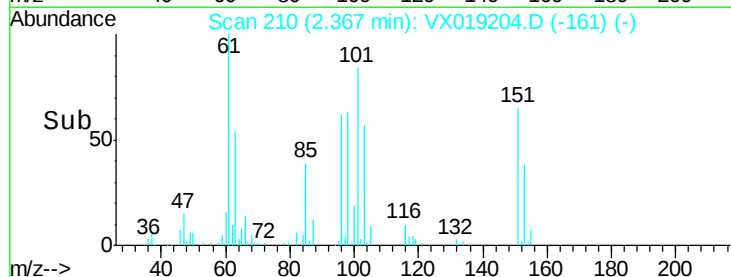
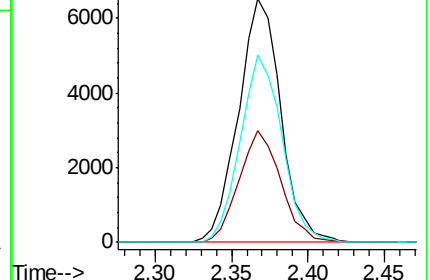
151 75.6 59.9 89.9



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: 4.564 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

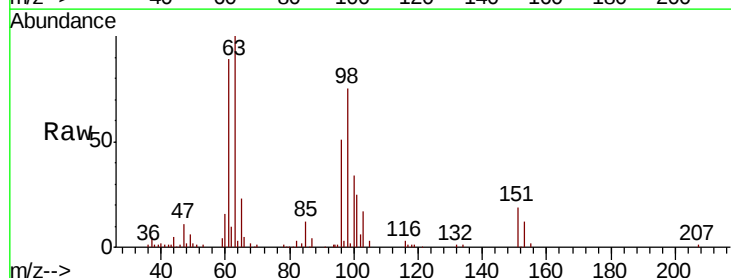
Tgt Ion: 96 Resp: 12159

Ion Ratio Lower Upper

96 100

61 174.4 115.1 213.8

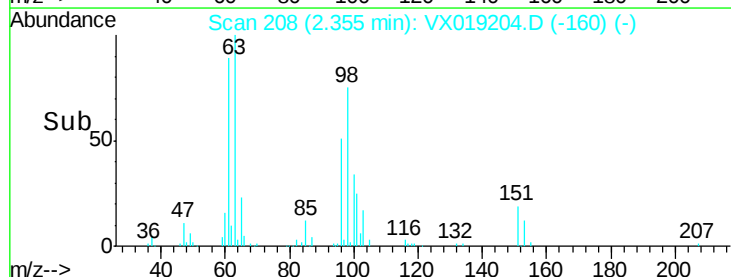
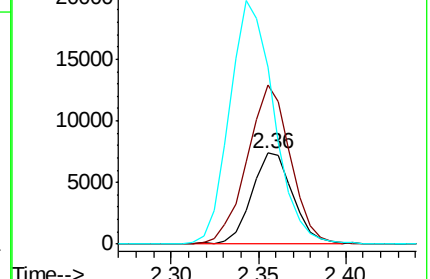
63 195.0 78.3 145.5#

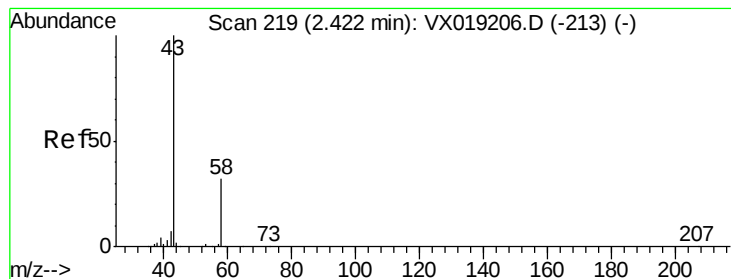


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 8.943 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

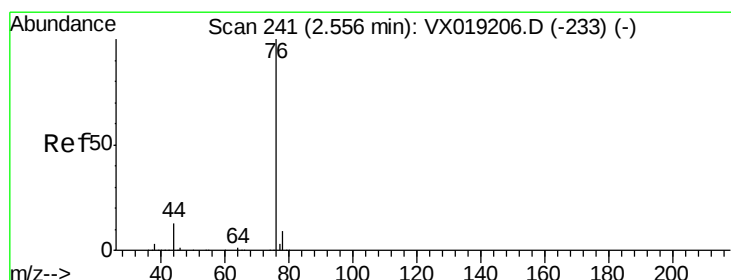
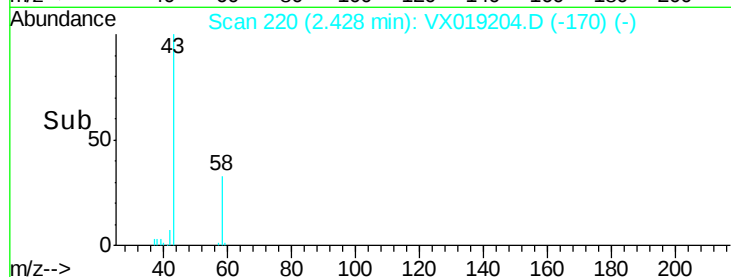
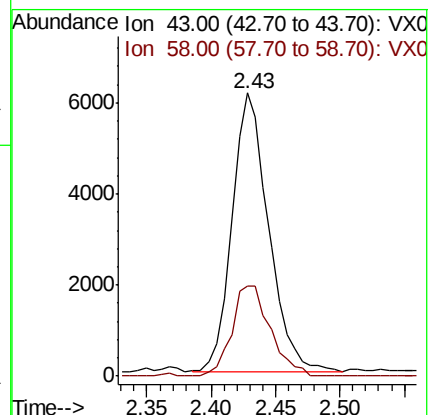
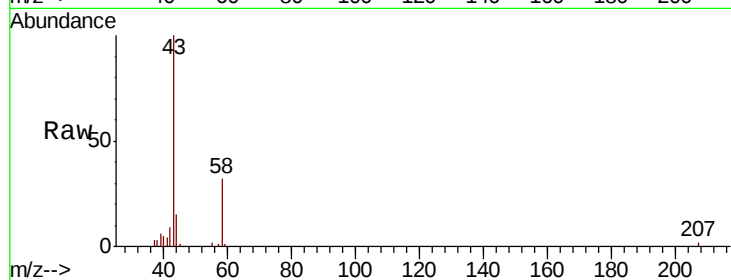
ClientSampled :

Tot Ion: 43 Resp: 12103

Ion Ratio Lower Upper

43 100

58 34.1 0.0 64.6



#14

Carbon disulfide

Concen: 4.621 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX019204.D

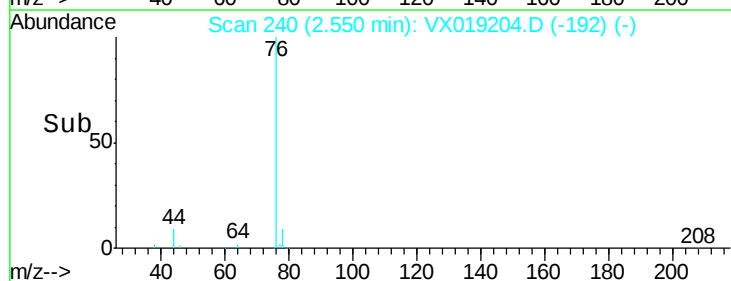
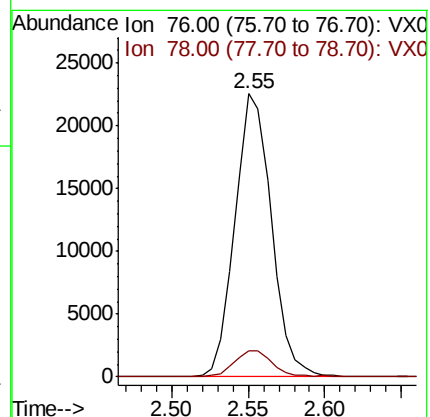
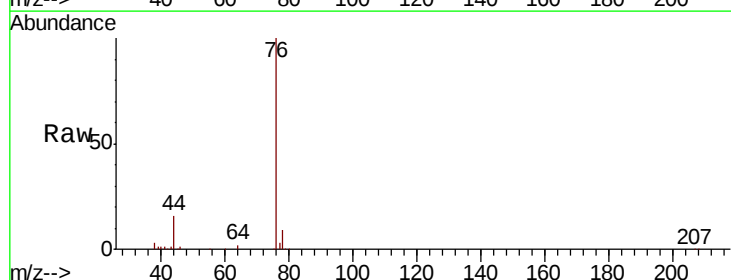
Acq: 02 Nov 2020 10:41

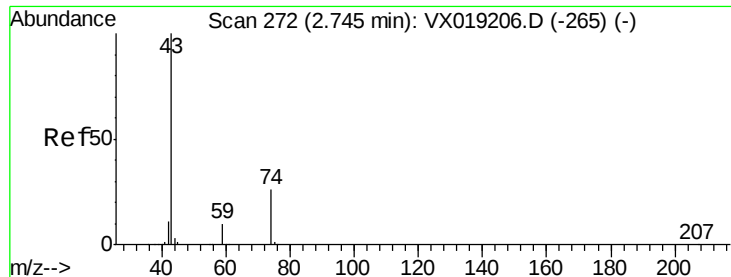
Tgt Ion: 76 Resp: 37300

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 4.177 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

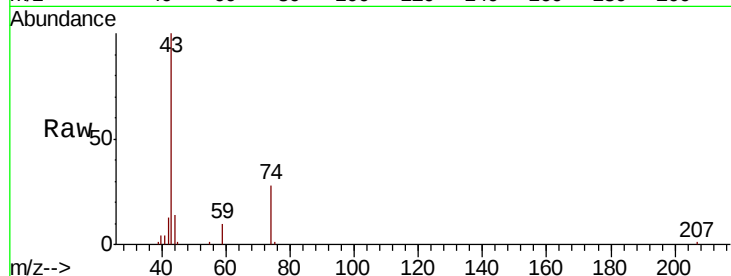
ClientSampled :

Tot Ion: 43 Resp: 11934

Ion Ratio Lower Upper

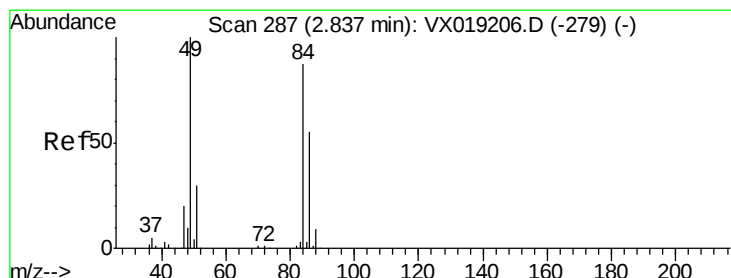
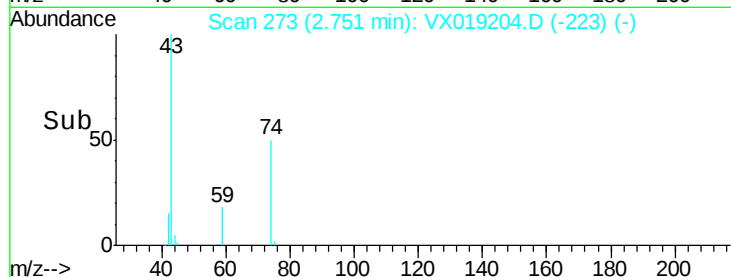
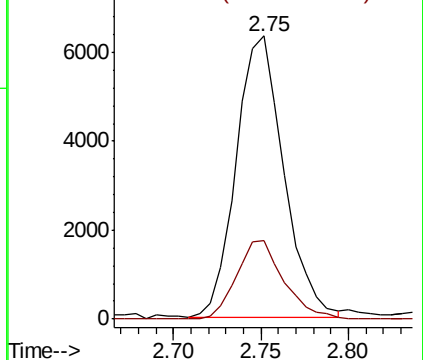
43 100

74 27.9 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#16

Methylene chloride

Concen: 4.889 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

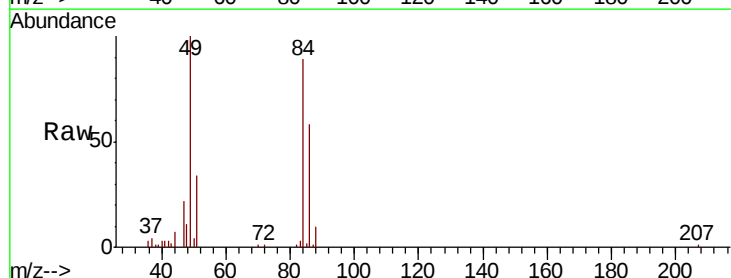
Tgt Ion: 84 Resp: 14365

Ion Ratio Lower Upper

84 100

86 65.6 44.0 81.6

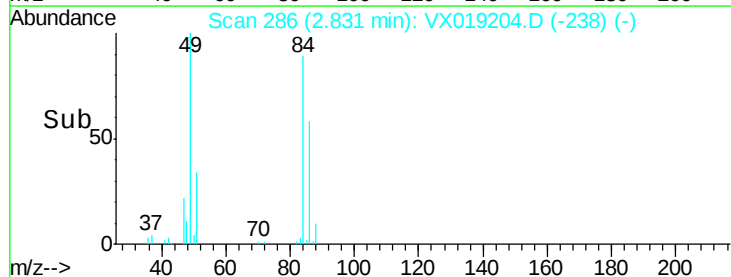
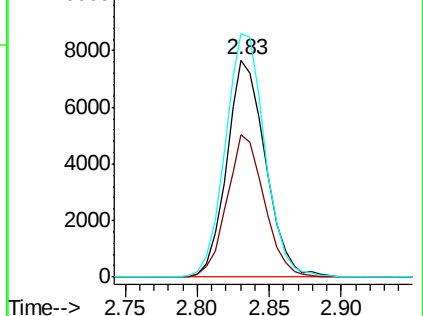
49 112.3 80.6 149.6

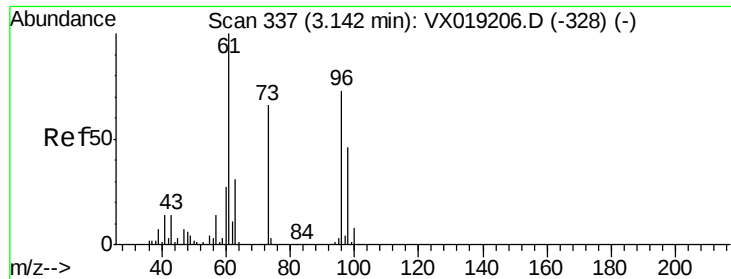


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.00 (48.70 to 49.70): VX0





#17

trans-1,2-Dichloroethene

Concen: 4.718 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

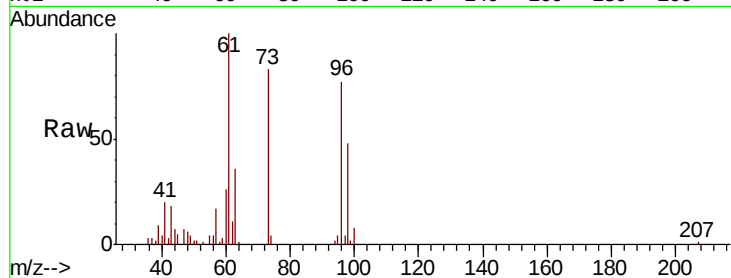
Tot Ion: 96 Resp: 13340

Ion Ratio Lower Upper

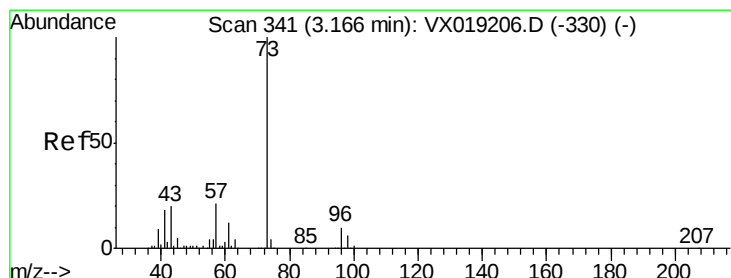
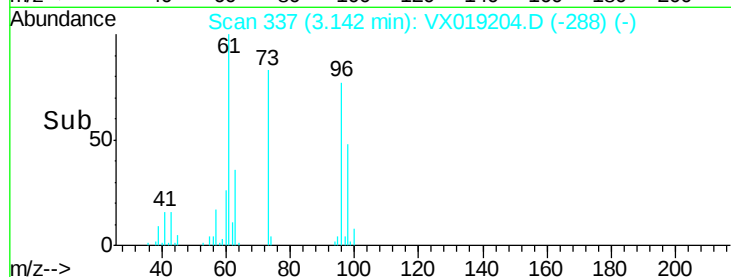
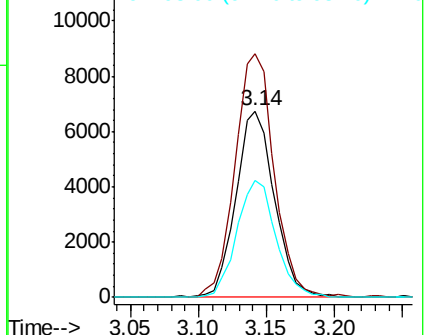
96 100

61 130.5 95.7 177.7

98 62.7 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 4.430 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

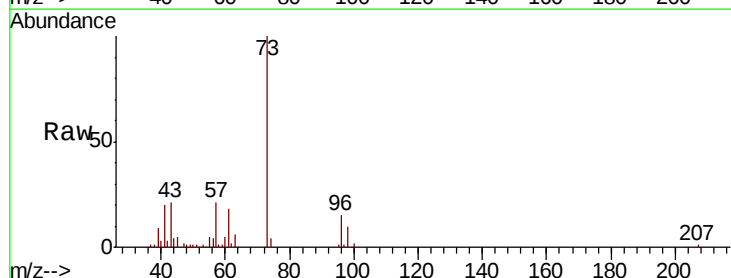
Tgt Ion: 73 Resp: 39988

Ion Ratio Lower Upper

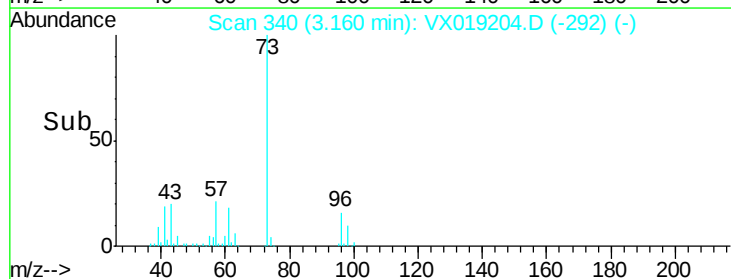
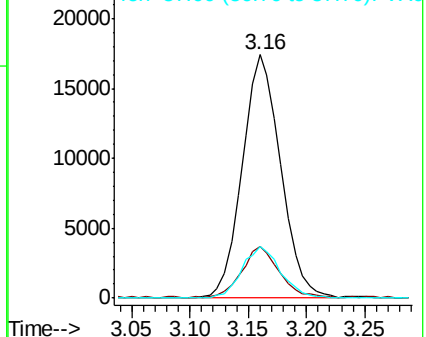
73 100

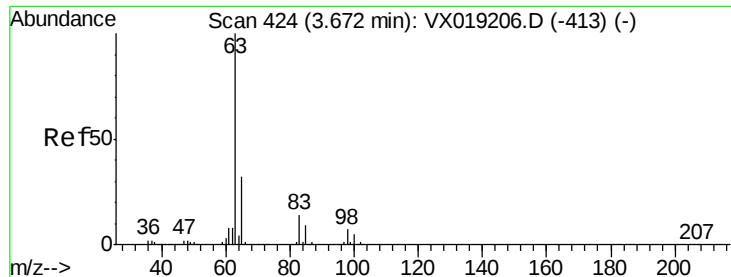
43 20.4 15.8 23.6

57 21.3 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#19

1,1-Dichloroethane

Concen: 4.503 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampled :

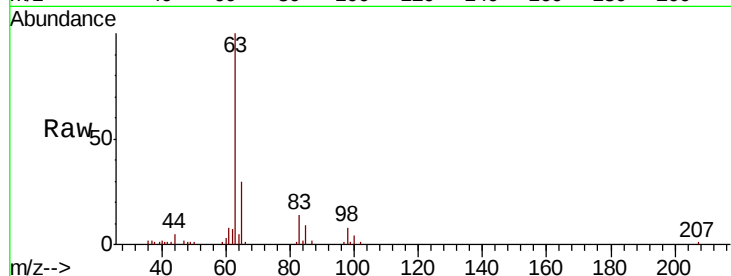
Tot Ion: 63 Resp: 23410

Ion Ratio Lower Upper

63 100

65 30.4 22.3 41.3

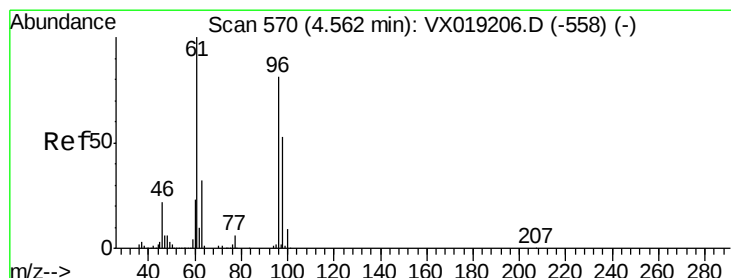
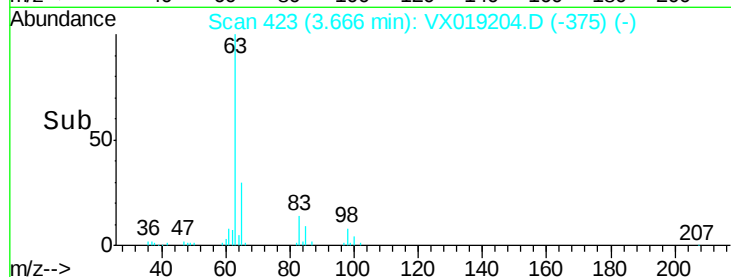
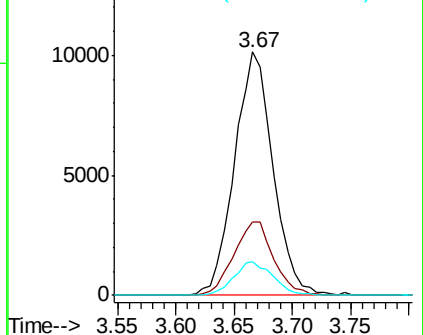
83 13.6 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 4.569 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

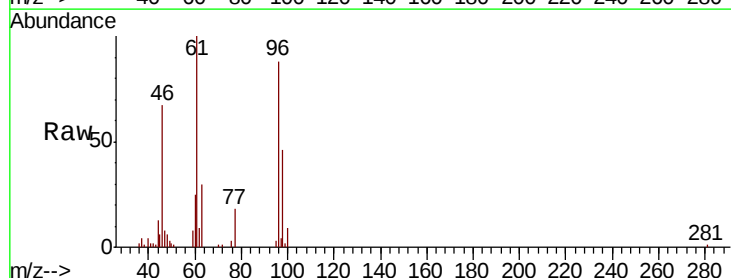
Tgt Ion: 96 Resp: 14161

Ion Ratio Lower Upper

96 100

61 113.6 86.1 159.9

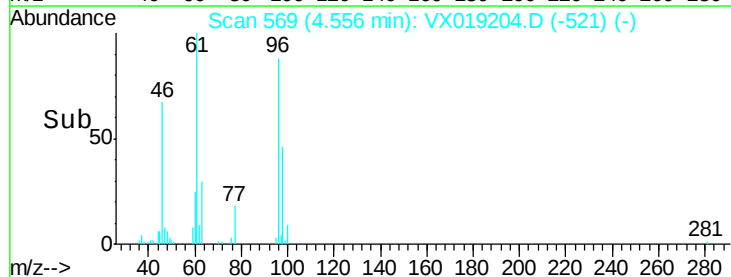
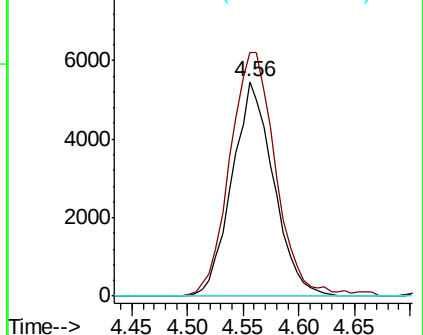
68 0.0 0.0 0.0

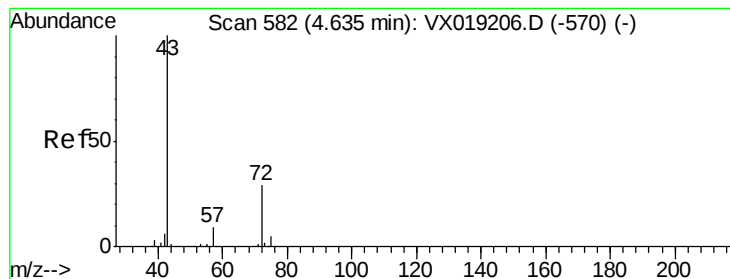


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 8.931 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

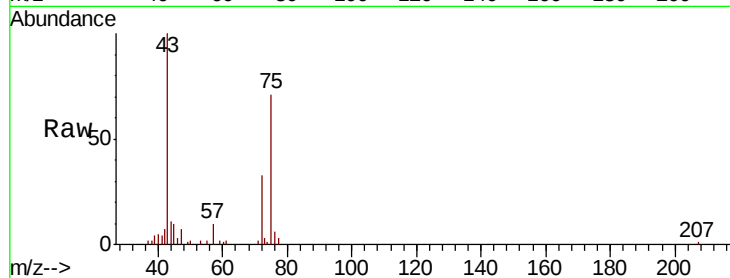
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 18315

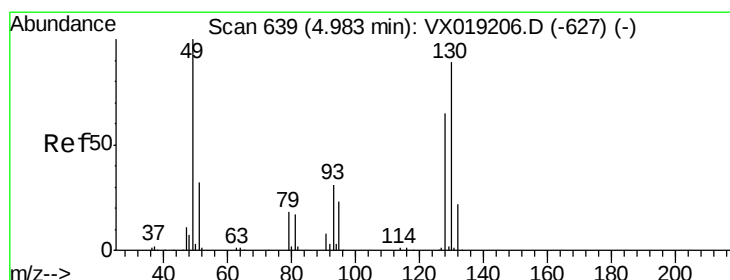
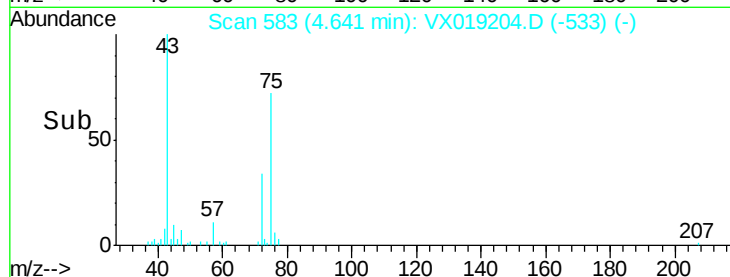
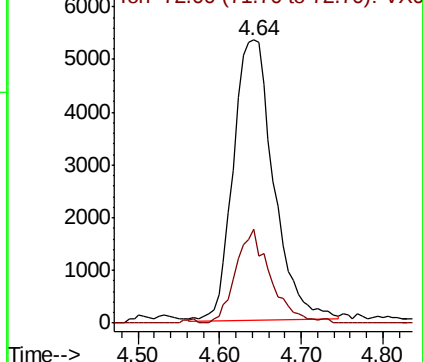
Ion Ratio Lower Upper

43 100

72 28.7 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 4.304 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Tgt Ion:128 Resp: 7161

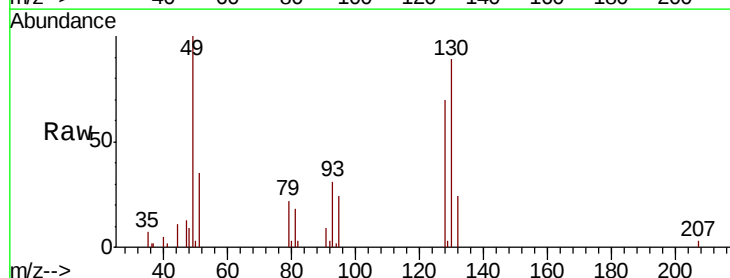
Ion Ratio Lower Upper

128 100

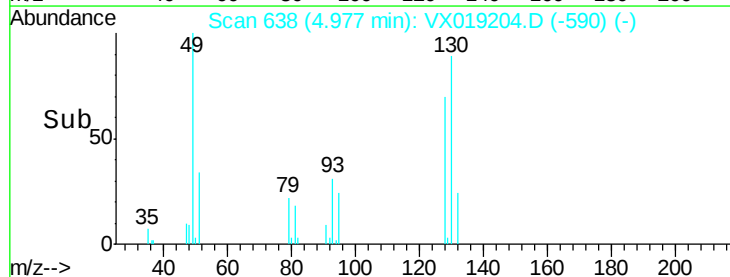
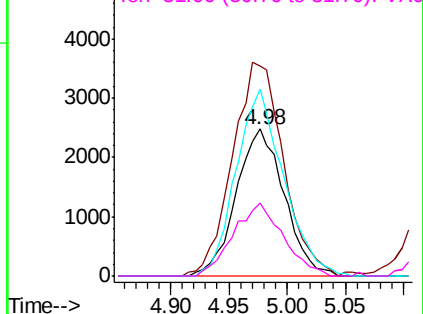
49 142.7 108.4 201.4

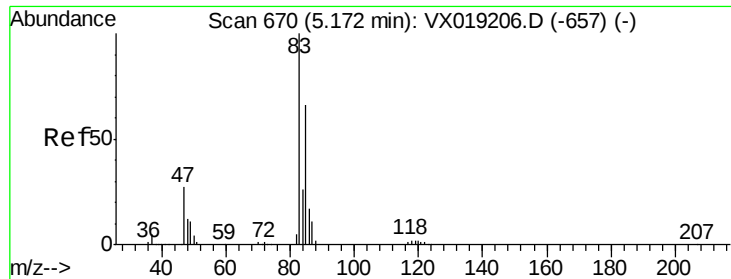
130 127.4 96.7 179.7

51 50.0 39.9 59.9



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VX0





#25

Chloroform

Concen: 4.190 ug/L

RT: 5.17 min Scan# 669

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

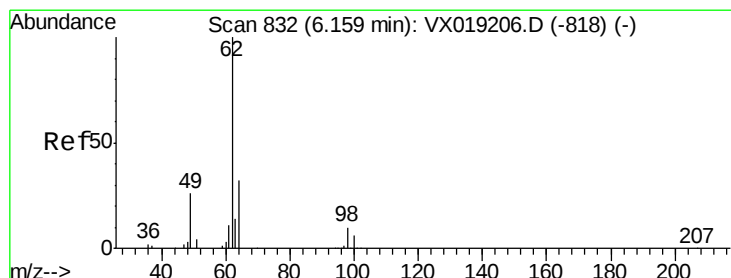
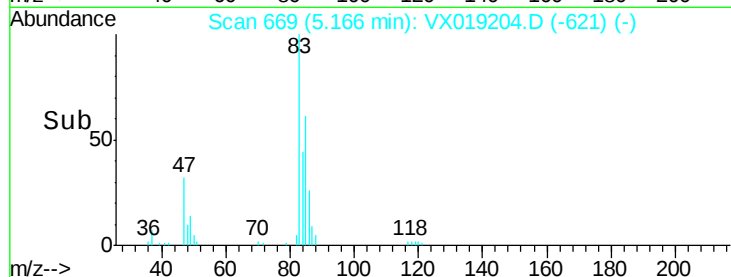
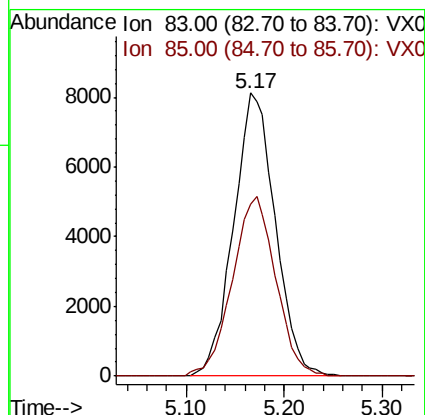
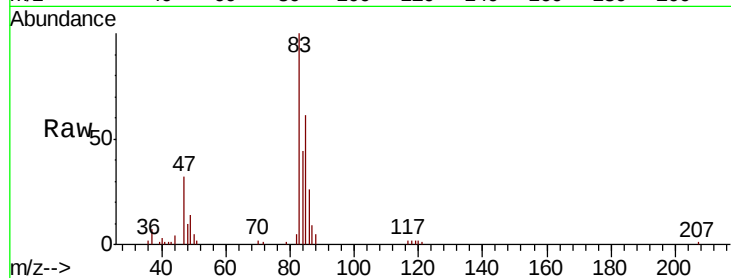
ClientSampleId :

Tot Ion: 83 Resp: 24050

Ion Ratio Lower Upper

83 100

85 60.9 46.5 86.3



#27

1,2-Dichloroethane

Concen: 4.115 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX019204.D

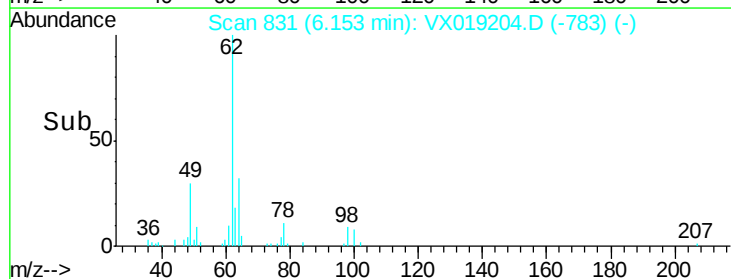
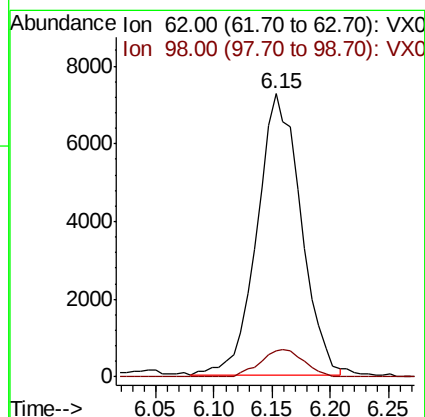
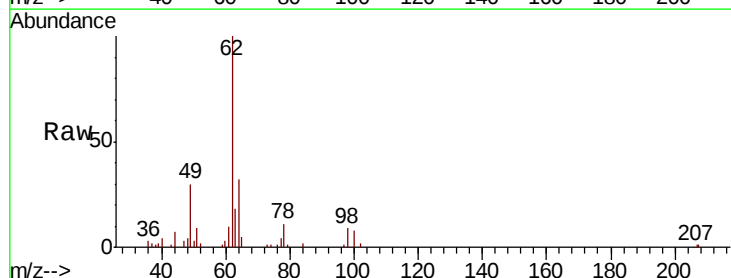
Acq: 02 Nov 2020 10:41

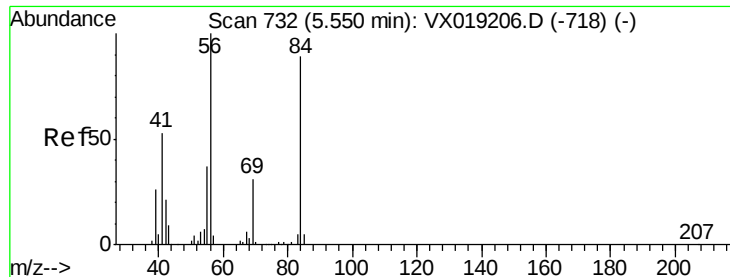
Tgt Ion: 62 Resp: 18868

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4

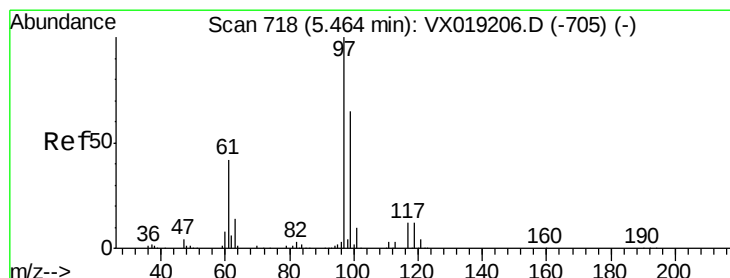
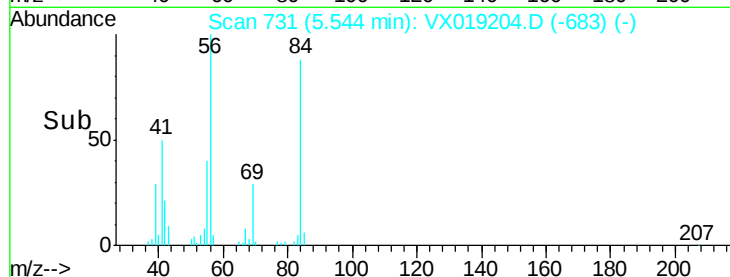
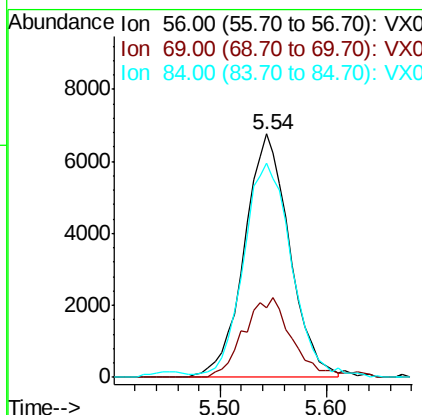
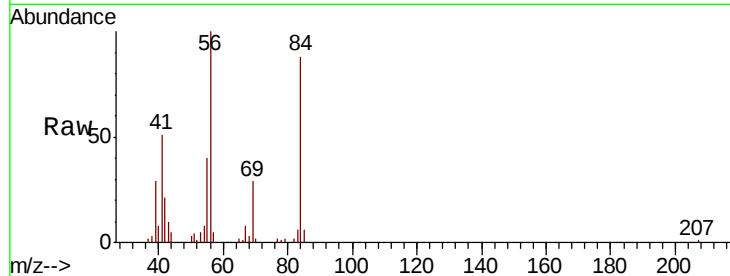




#29
Cyclohexane
Concen: 4.500 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

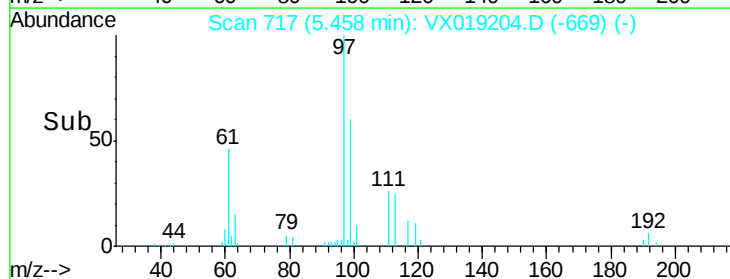
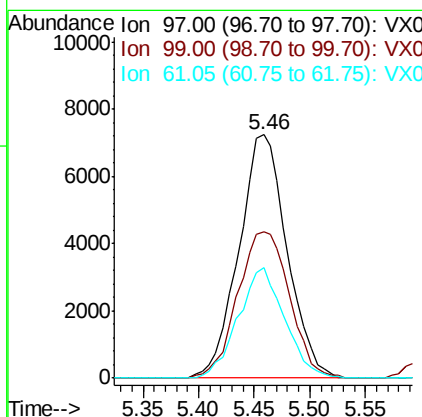
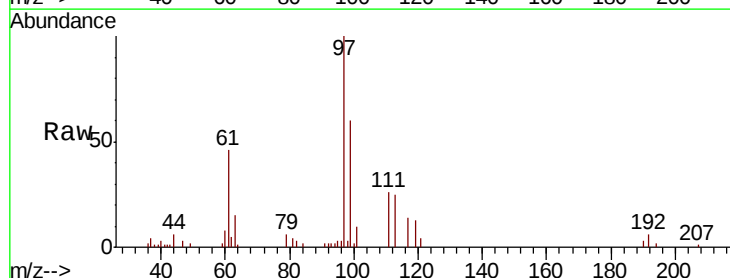
Instrument :
MSVOA_X
ClientSampled :

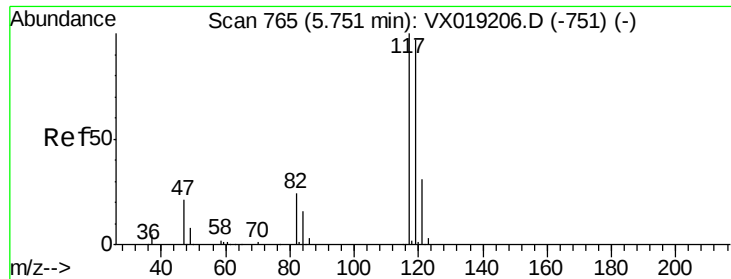
Tot Ion: 56 Resp: 20088
Ion Ratio Lower Upper
56 100
69 18.2 25.2 37.8#
84 90.2 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 4.102 ug/L
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Tgt Ion: 97 Resp: 21772
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.6
61 43.8 34.8 52.2

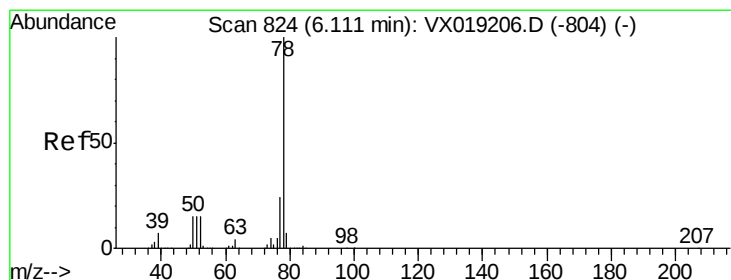
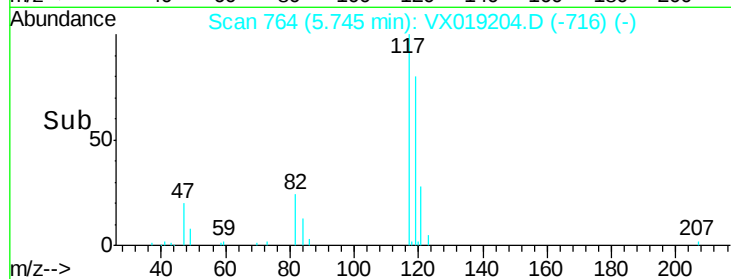
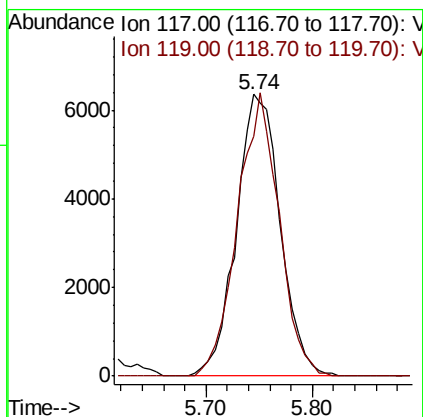
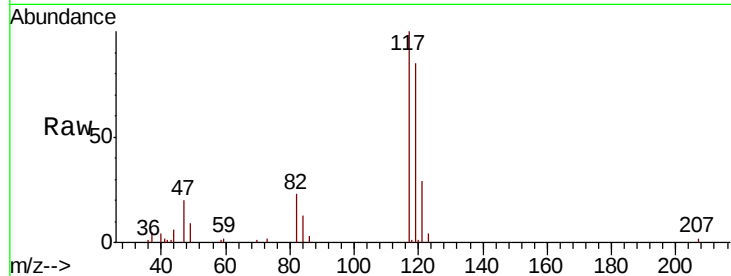




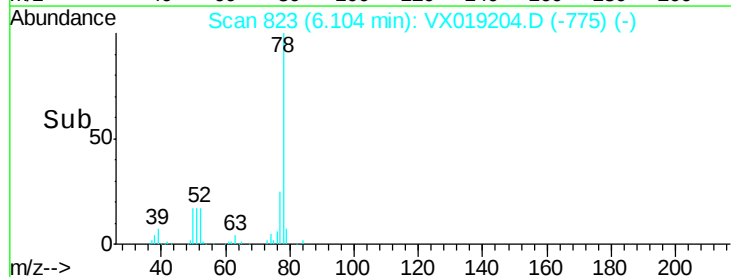
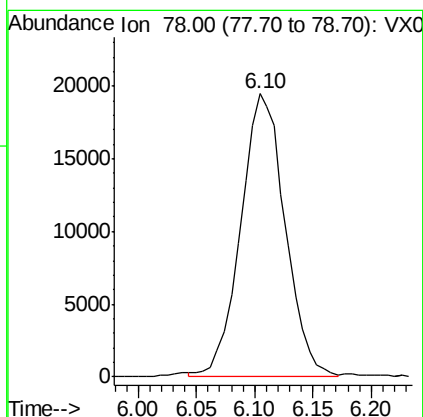
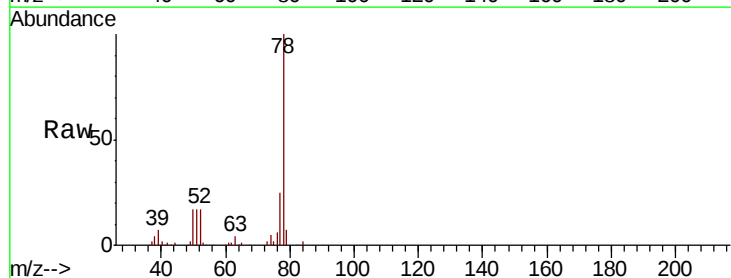
#31
Carbon tetrachloride
Concen: 3.889 ug/L
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

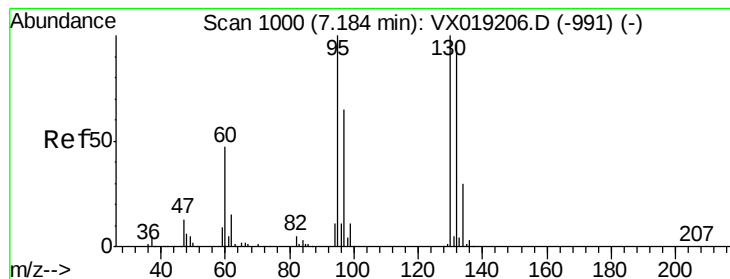
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18419
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3



#33
Benzene
Concen: 4.528 ug/L
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41
Tgt Ion: 78 Resp: 51341





#34

Trichloroethene

Concen: 4.616 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 95 Resp: 14574

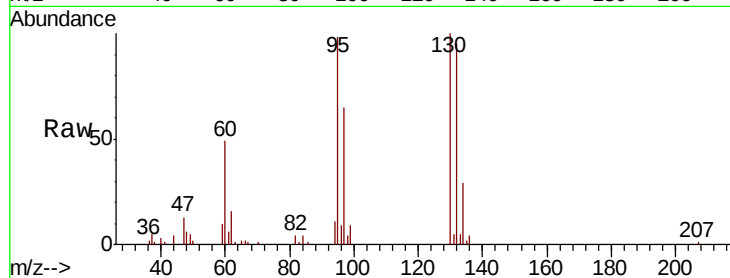
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 96.5 67.3 124.9

130 101.6 69.9 129.9

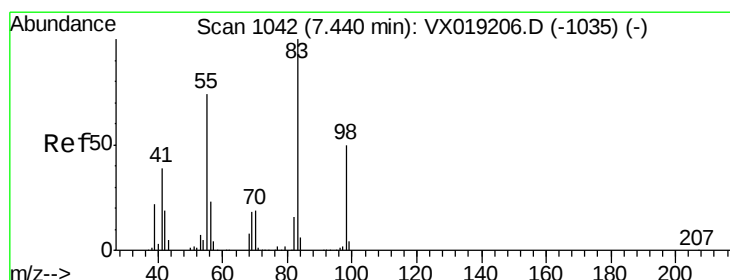
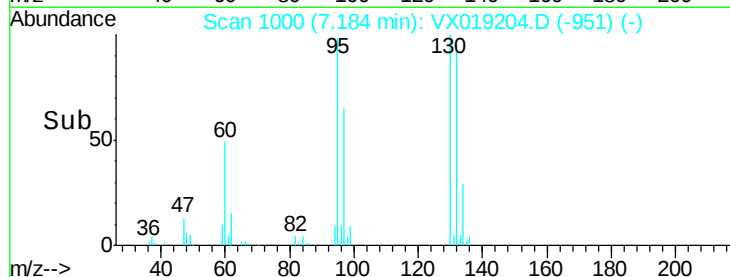
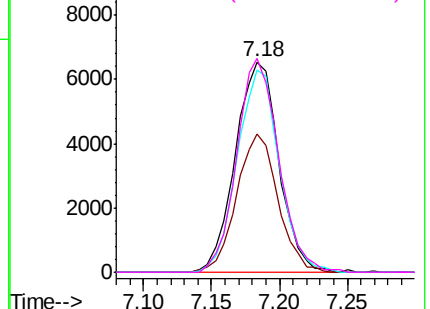


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 4.670 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

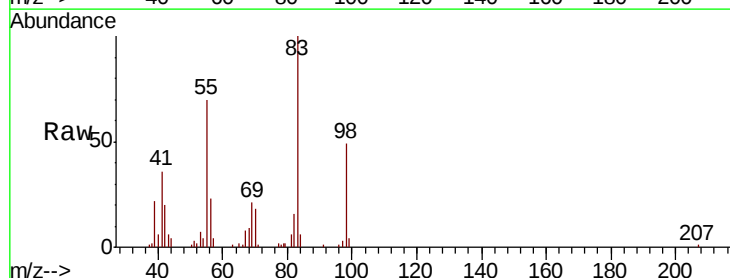
Tgt Ion: 83 Resp: 21700

Ion Ratio Lower Upper

83 100

55 73.7 58.6 87.8

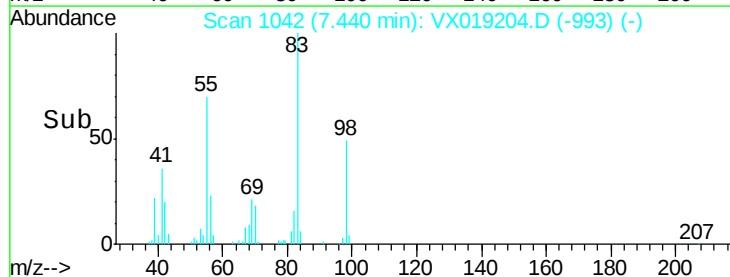
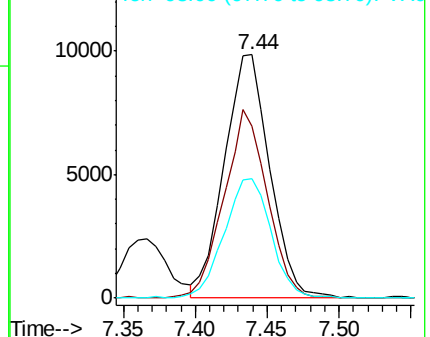
98 50.6 39.0 58.6

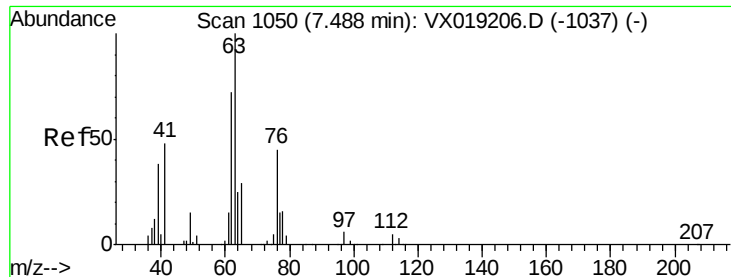


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

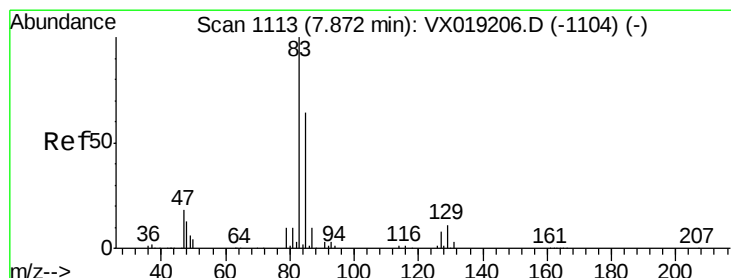
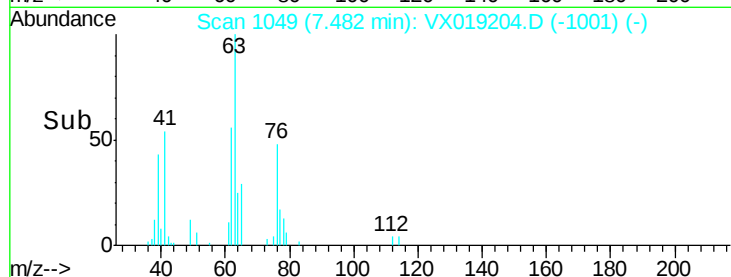
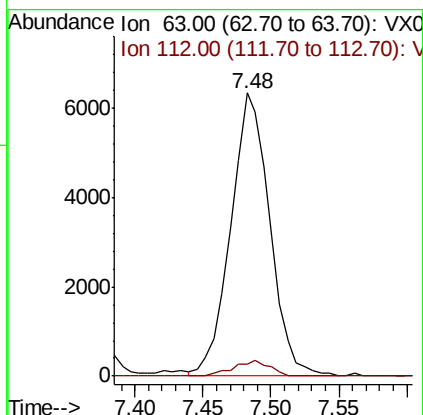
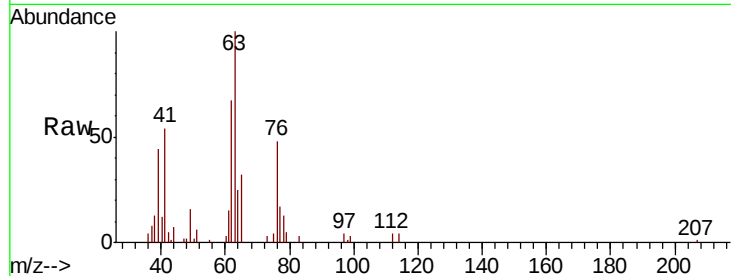




#37
 1,2-Dichloropropane
 Concen: 4.278 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

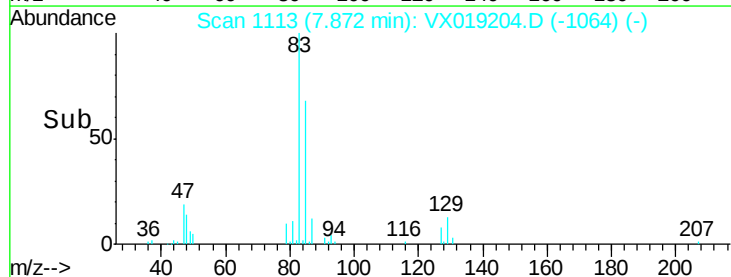
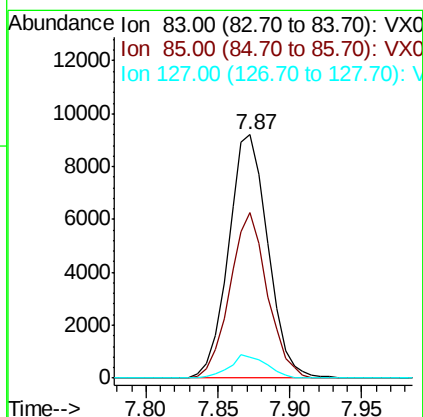
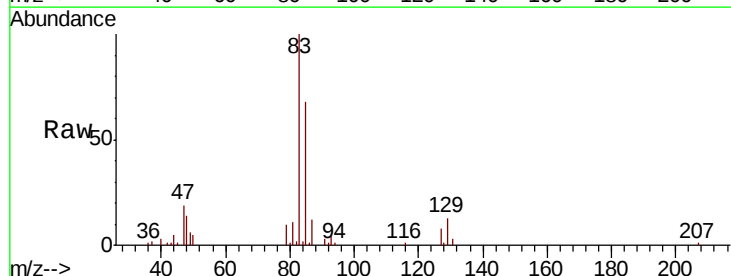
Instrument :
 MSVOA_X
 ClientSampled :

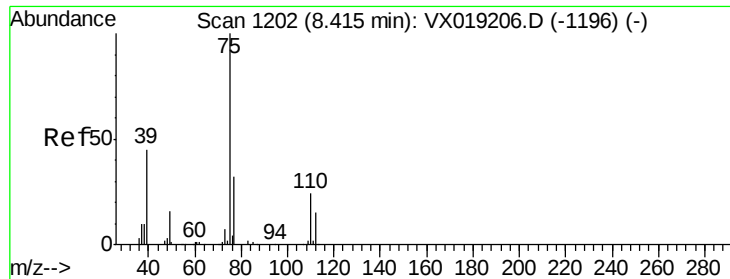
Tot Ion: 63 Resp: 12696
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.163 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Tgt Ion: 83 Resp: 17566
 Ion Ratio Lower Upper
 83 100
 85 68.0 44.6 82.8
 127 8.4 6.8 10.2



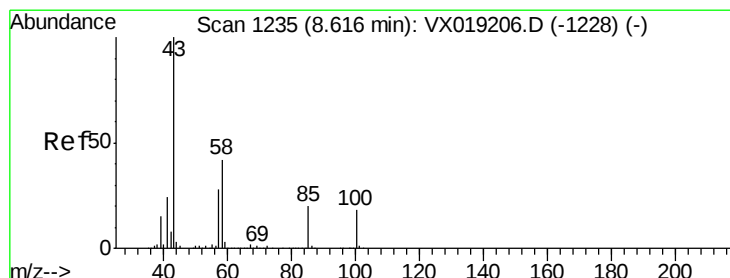
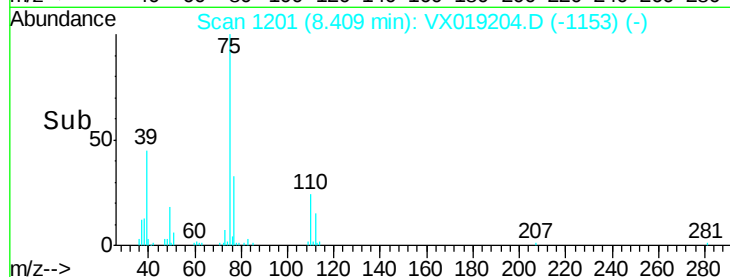
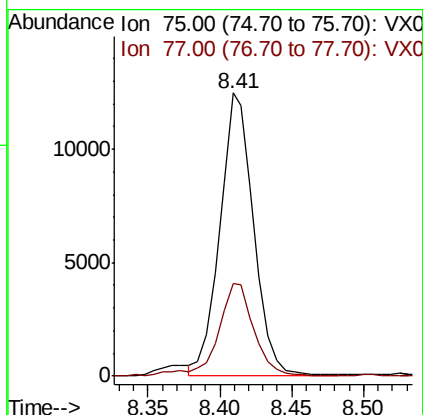
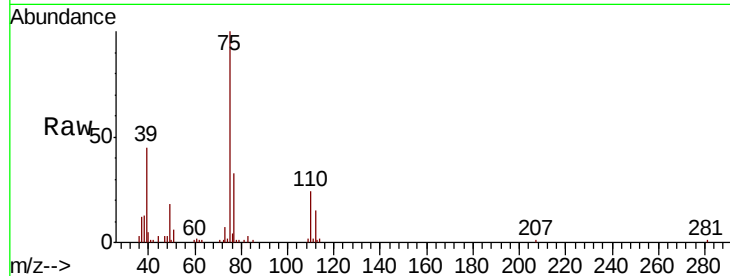


#39

cis-1,3-Dichloropropene
Concen: 4.269 ug/L
RT: 8.41 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Instrument :
MSVOA_X
ClientSampled :

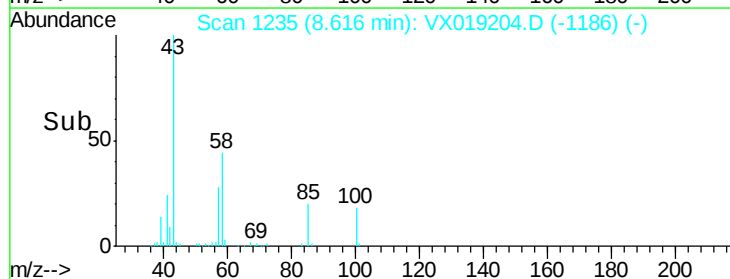
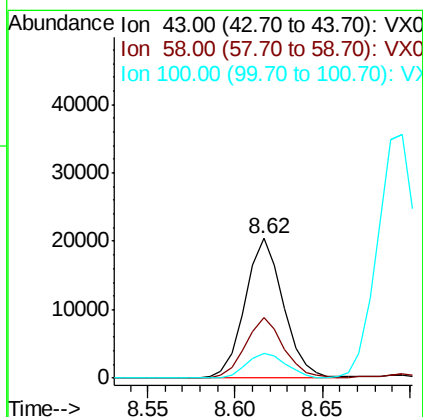
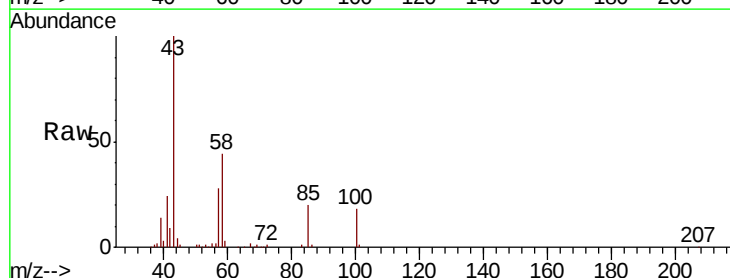
Tot Ion: 75 Resp: 20474
Ion Ratio Lower Upper
75 100
77 32.7 22.5 41.7

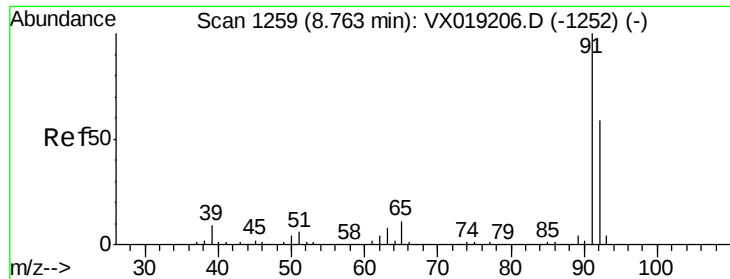


#40

4-Methyl-2-pentanone
Concen: 8.103 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Tgt Ion: 43 Resp: 31283
Ion Ratio Lower Upper
43 100
58 43.2 34.1 51.1
100 18.3 14.8 22.2





#42

Toluene

Concen: 4.624 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

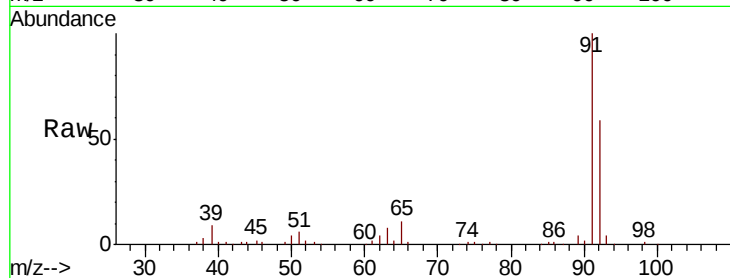
ClientSampleId :

Tot Ion: 91 Resp: 56429

Ion Ratio Lower Upper

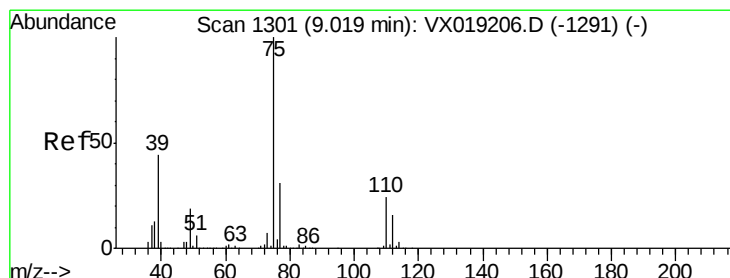
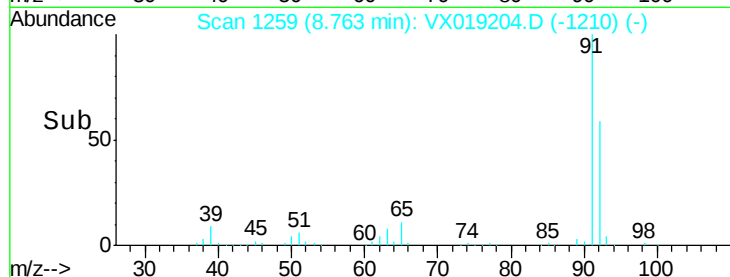
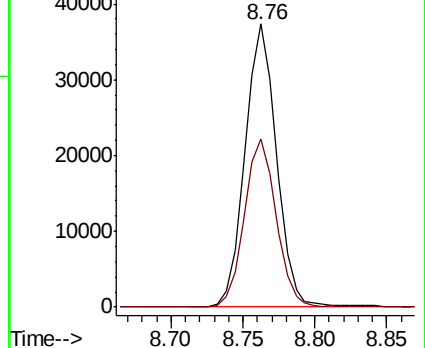
91 100

92 59.3 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#44

trans-1,3-Dichloropropene

Concen: 4.095 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019204.D

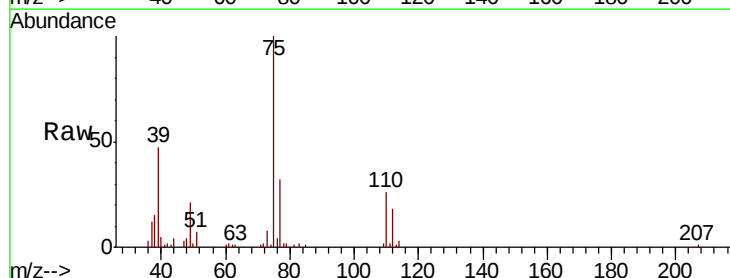
Acq: 02 Nov 2020 10:41

Tgt Ion: 75 Resp: 19894

Ion Ratio Lower Upper

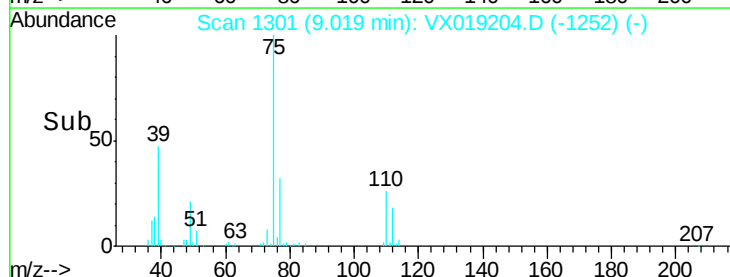
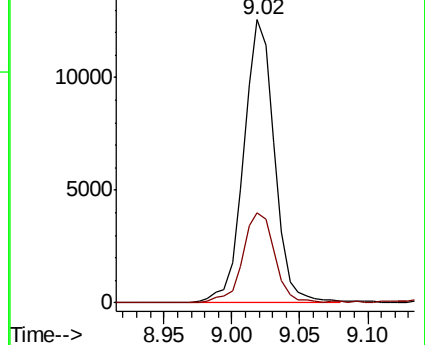
75 100

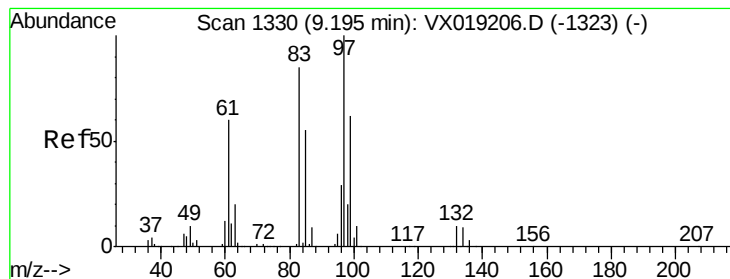
77 31.8 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#45

1,1,2-Trichloroethane

Concen: 4.537 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 97 Resp: 13021

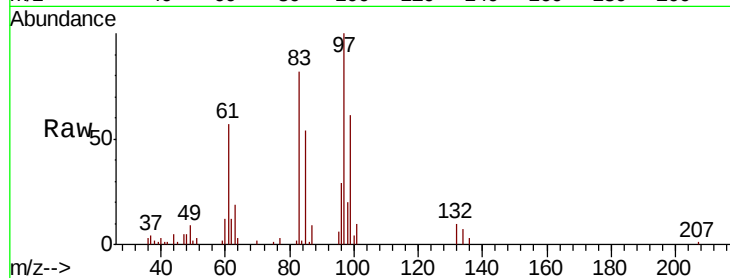
Ion Ratio Lower Upper

97 100

99 61.4 43.3 80.3

83 82.5 59.4 110.4

85 53.7 38.7 71.9

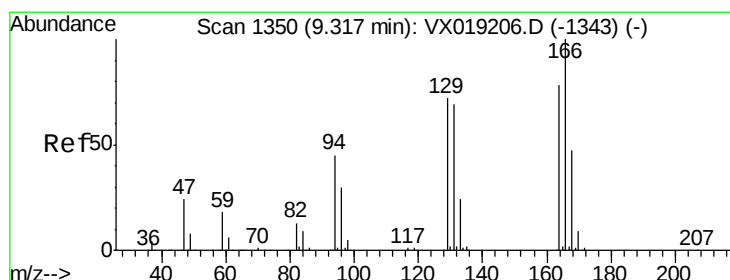
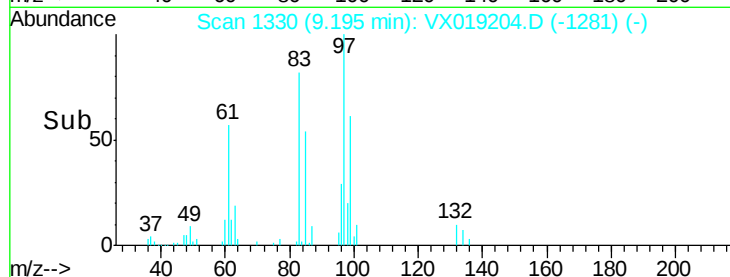
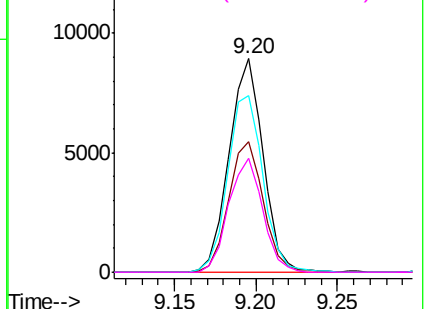


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46

Tetrachloroethene

Concen: 4.312 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Tgt Ion:164 Resp: 10980

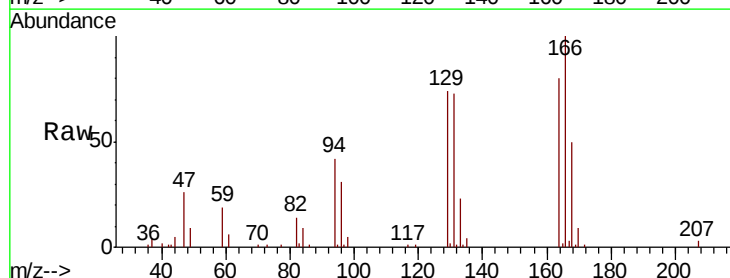
Ion Ratio Lower Upper

164 100

129 92.3 65.2 121.2

131 90.8 62.5 116.1

166 124.8 90.2 167.6

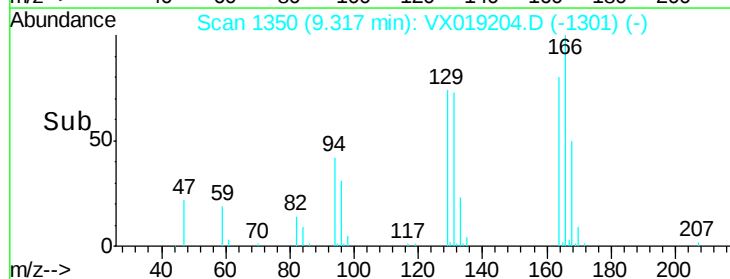
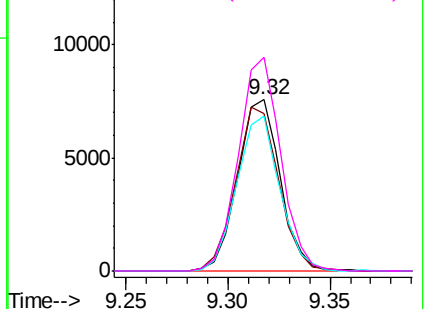


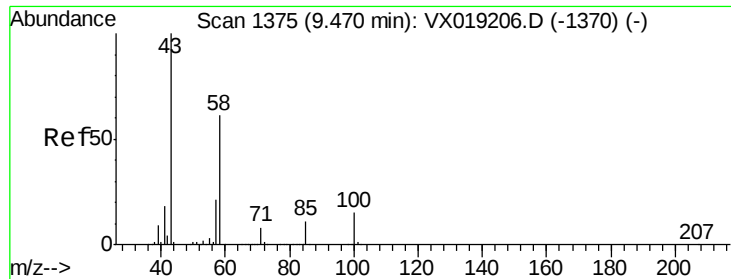
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

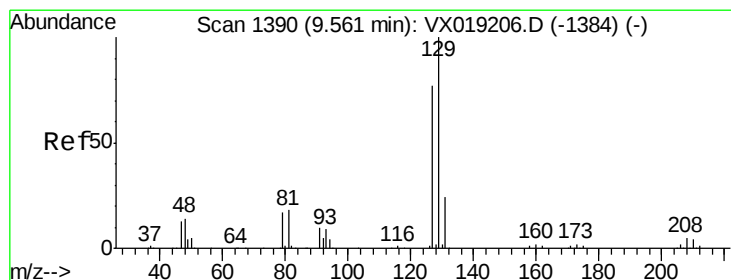
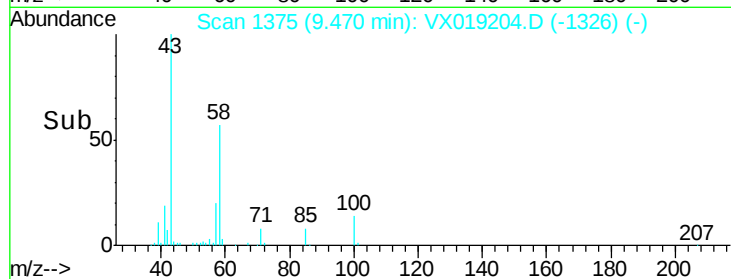
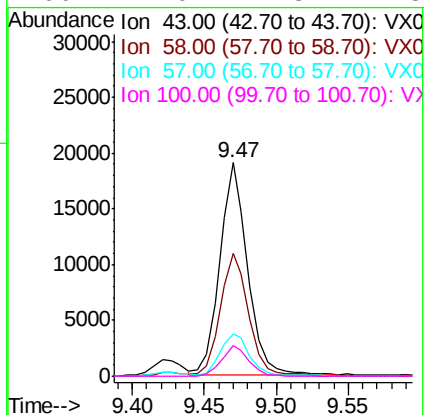
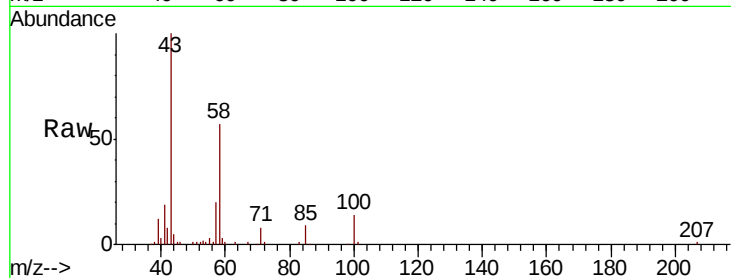




#48
2-Hexanone
Concen: 8.390 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

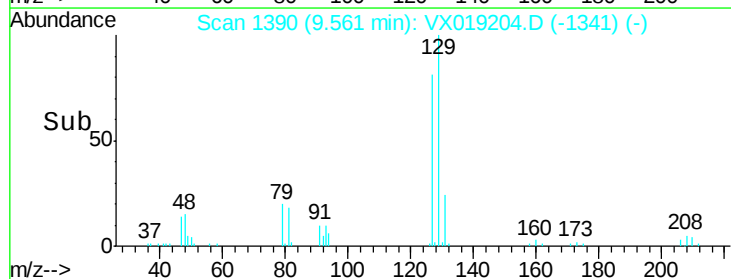
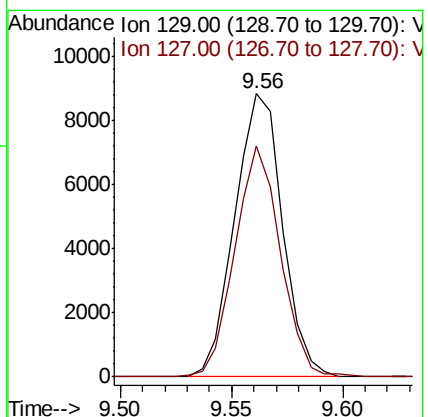
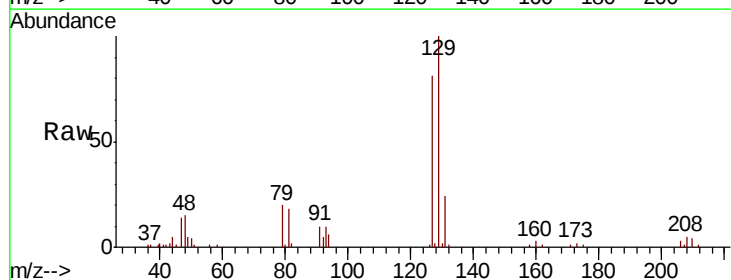
Instrument :
MSVOA_X
ClientSampled :

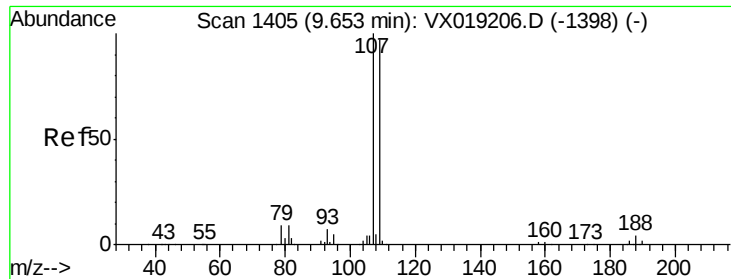
Tot Ion: 43 Resp: 25591
Ion Ratio Lower Upper
43 100
58 56.6 48.2 72.2
57 21.4 17.1 25.7
100 14.0 11.8 17.8



#49
Dibromochloromethane
Concen: 3.722 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Tgt Ion: 129 Resp: 13181
Ion Ratio Lower Upper
129 100
127 81.4 54.0 100.2

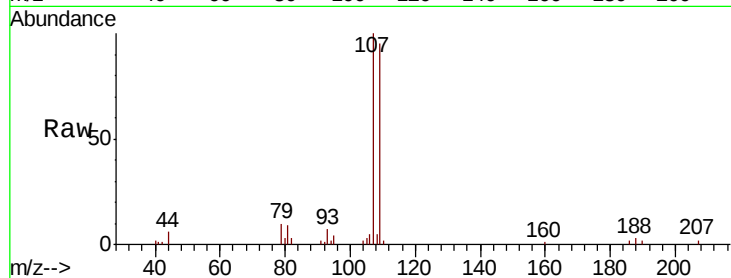




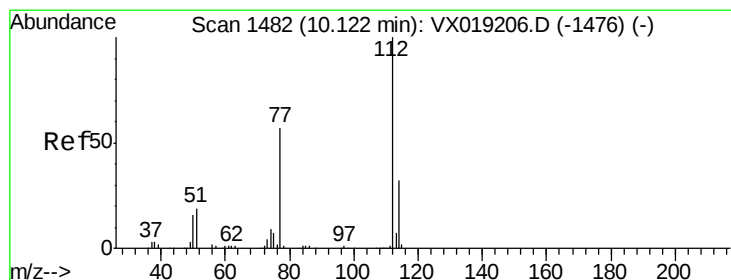
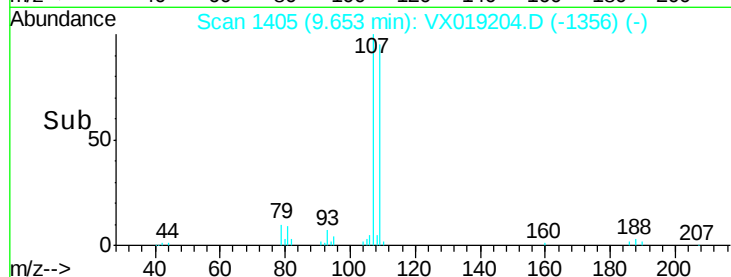
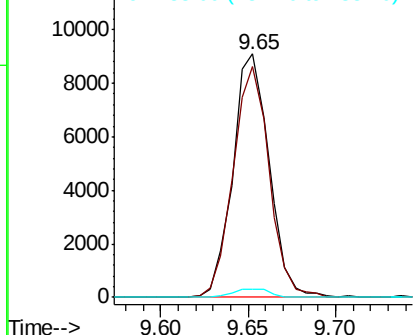
#50
 1,2-Dibromoethane
 Concen: 4.196 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	68.1	126.5
188	3.2	3.0	4.4

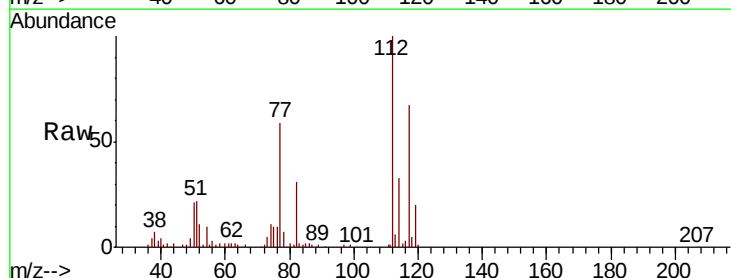


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

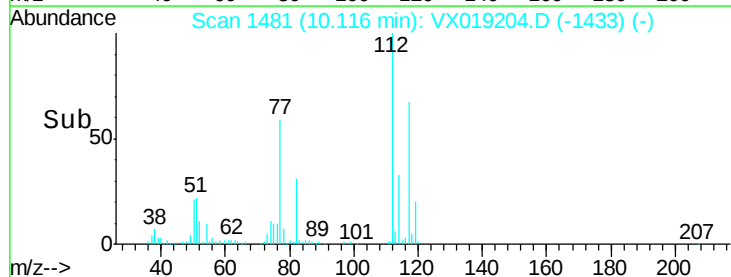
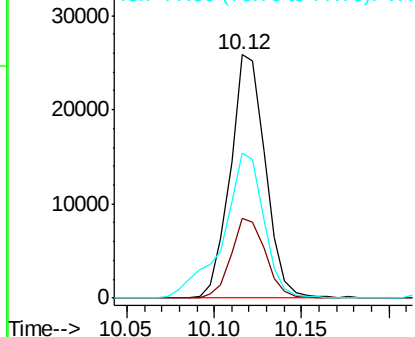


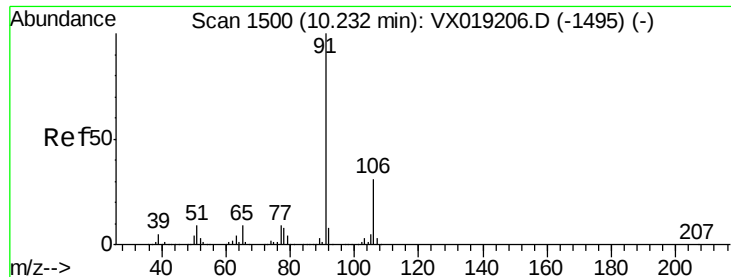
#51
 Chlorobenzene
 Concen: 4.455 ug/L
 RT: 10.12 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.2	41.2
77	59.4	46.2	69.4



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): VX0





#52

Ethylbenzene

Concen: 4.445 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

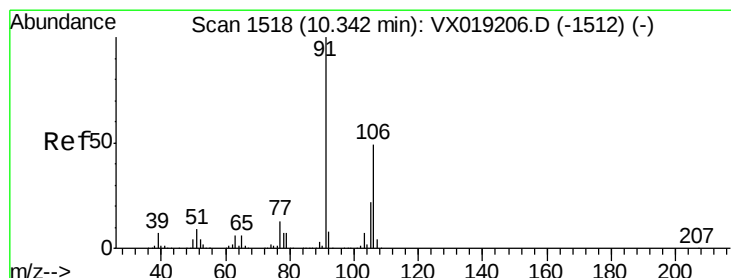
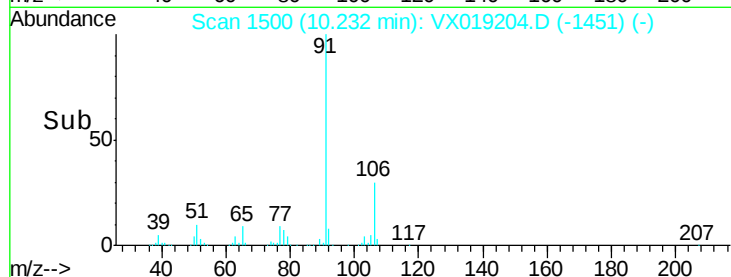
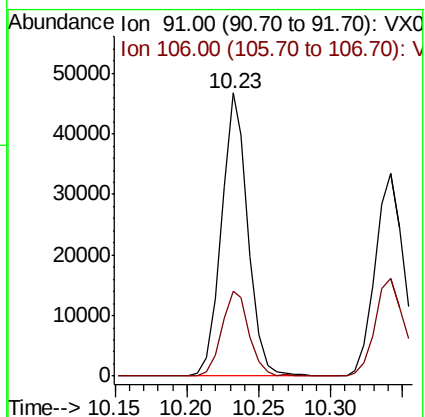
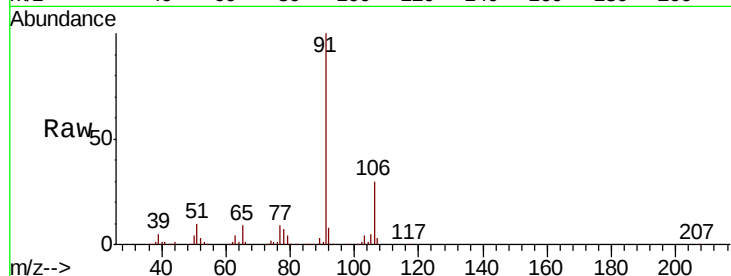
ClientSampleId :

Tot Ion: 91 Resp: 60312

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



#53

m,p-Xylene

Concen: 4.272 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019204.D

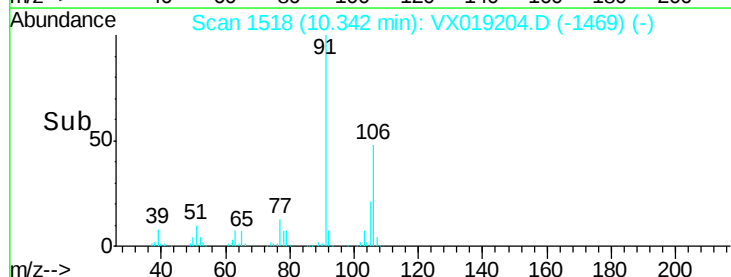
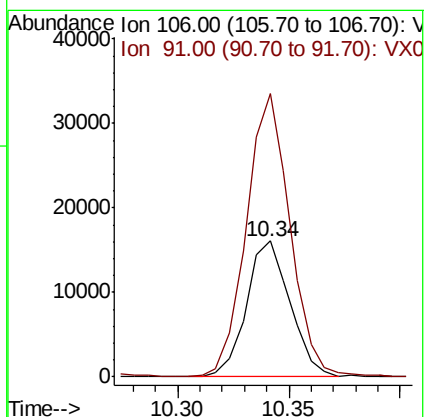
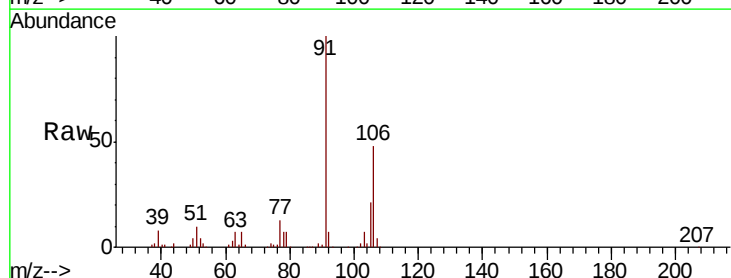
Acq: 02 Nov 2020 10:41

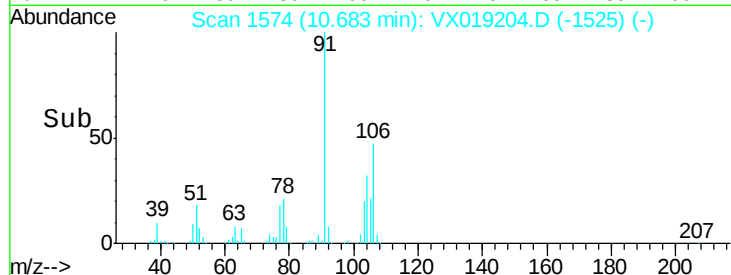
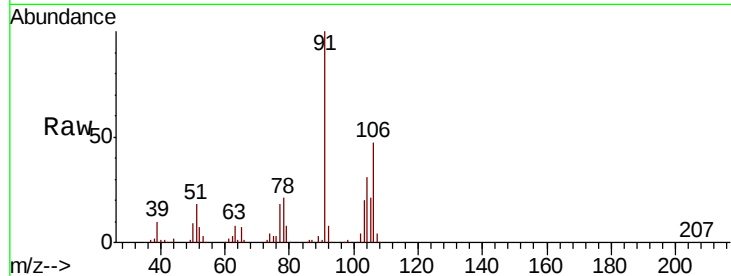
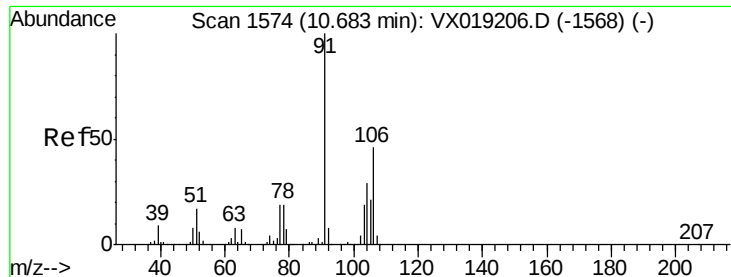
Tgt Ion: 106 Resp: 21990

Ion Ratio Lower Upper

106 100

91 207.9 144.2 267.8

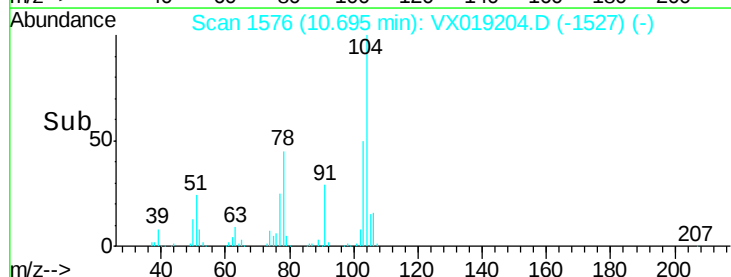
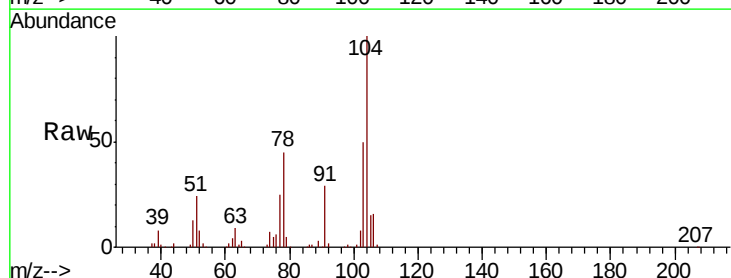
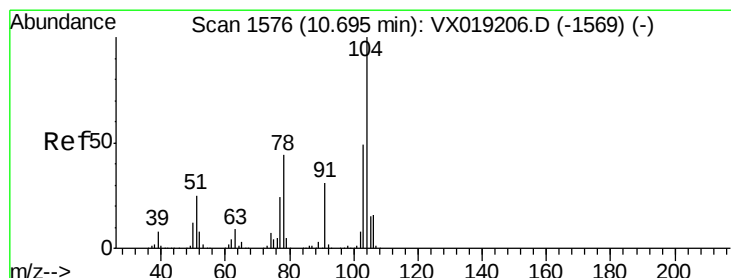
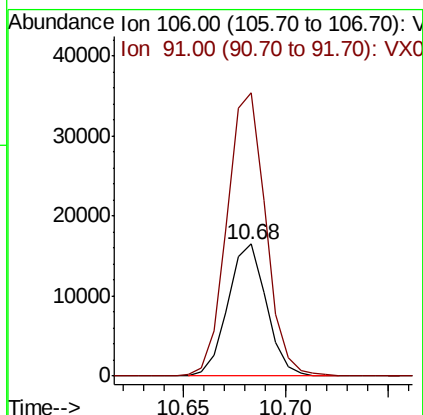




#54
o-Xylene
Concen: 4.355 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

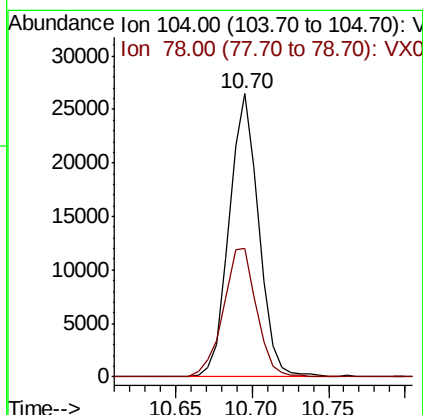
Instrument :
MSVOA_X
ClientSampled :

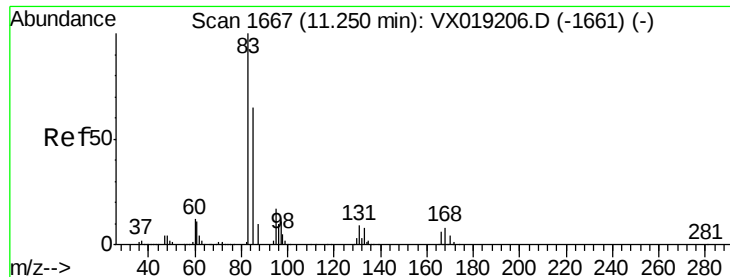
Tot Ion:106 Resp: 21579
Ion Ratio Lower Upper
106 100
91 214.7 153.3 284.7



#55
Styrene
Concen: 4.148 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Tgt Ion:104 Resp: 35413
Ion Ratio Lower Upper
104 100
78 45.4 30.9 57.5

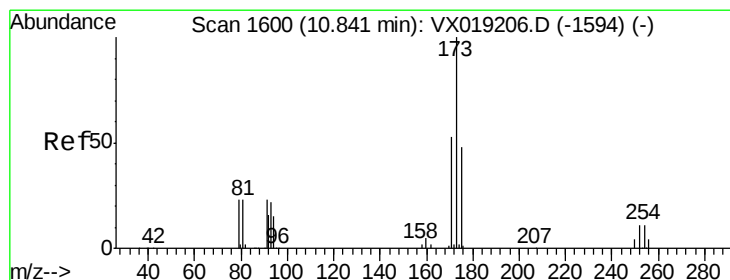
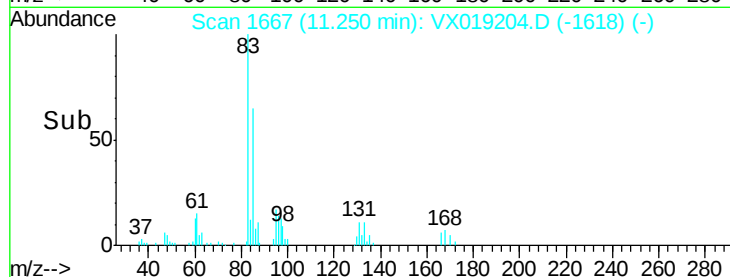
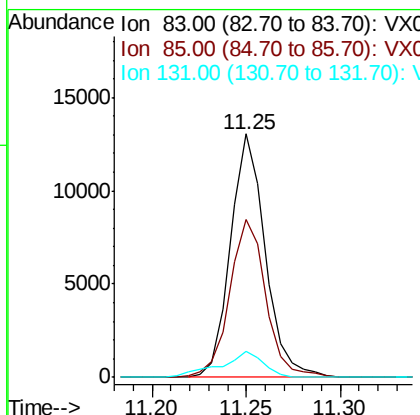
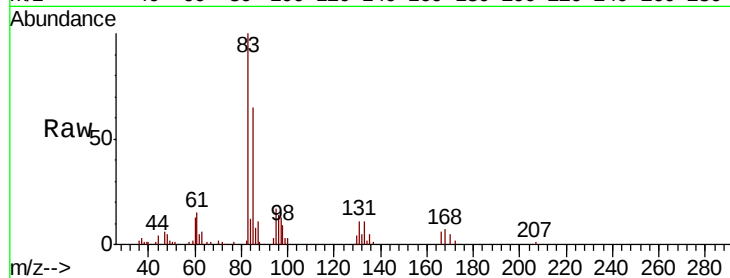




#57
 1,1,2,2-Tetrachloroethane
 Concen: 3.857 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

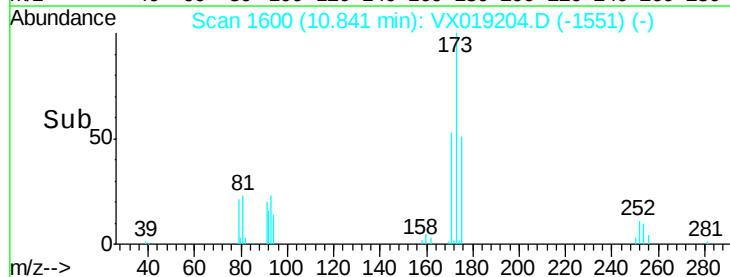
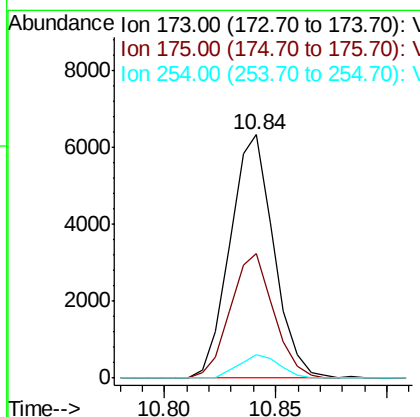
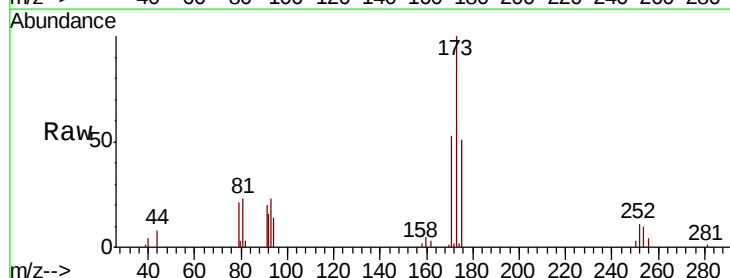
Instrument :
 MSVOA_X
 ClientSampleId :

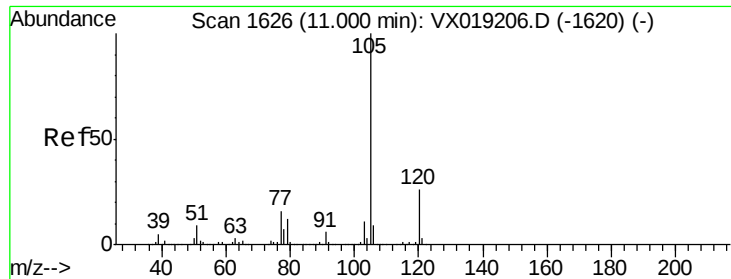
Tot Ion	83	Resp	16728
Ion Ratio	Lower	Upper	
83	100		
85	64.9	45.9	85.3
131	10.6	7.7	11.5



#59
 Bromoform
 Concen: 3.627 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Tgt Ion	173	Resp	8661
Ion Ratio	Lower	Upper	
173	100		
175	50.5	39.7	59.5
254	8.9	8.2	12.4





#60

Isopropylbenzene

Concen: 4.686 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

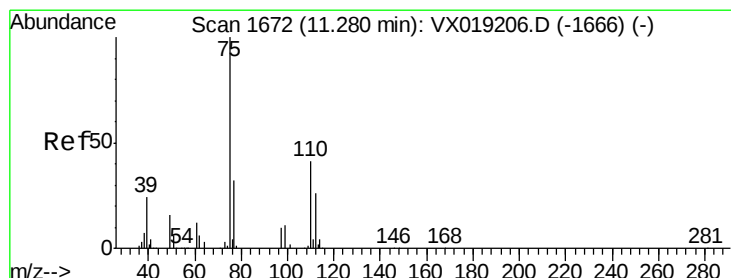
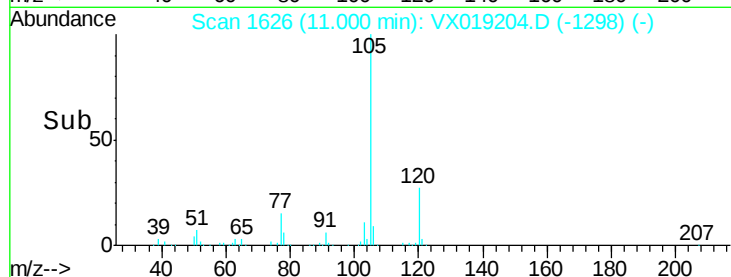
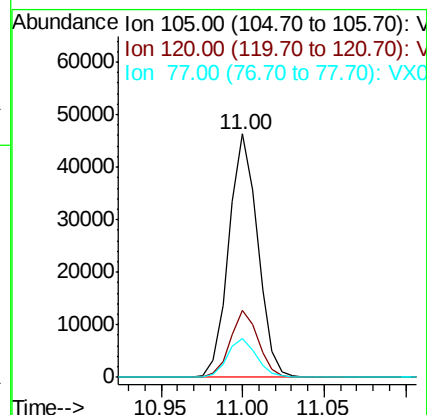
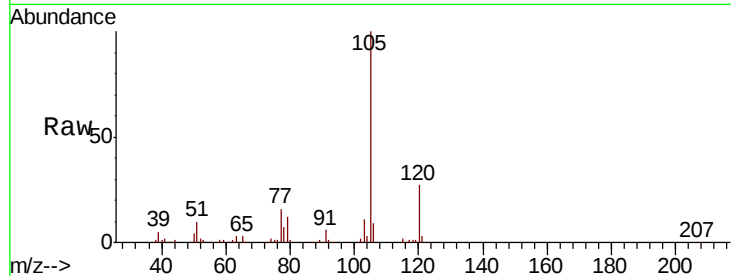
Tot Ion:105 Resp: 57044

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

77 16.2 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.494 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

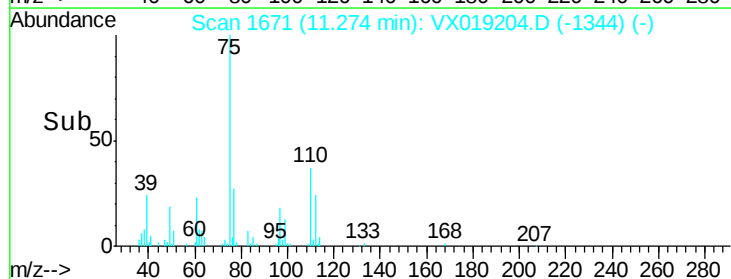
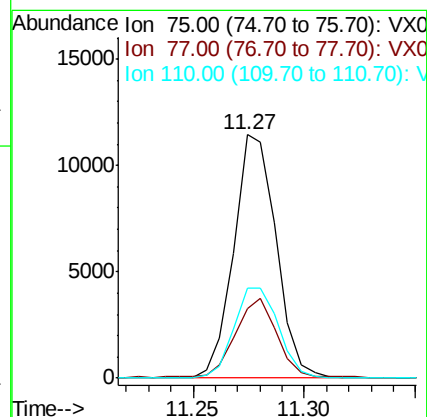
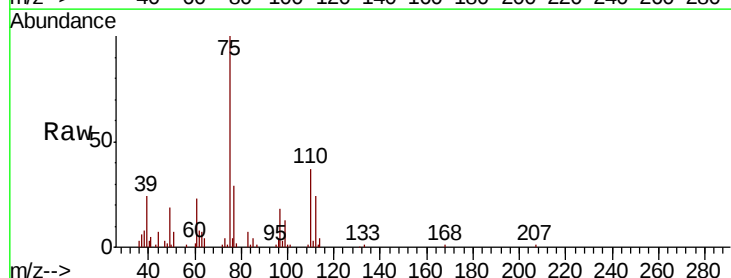
Tgt Ion: 75 Resp: 15204

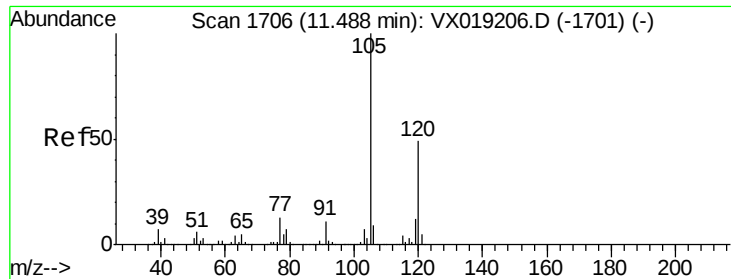
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

110 39.0 32.2 48.2

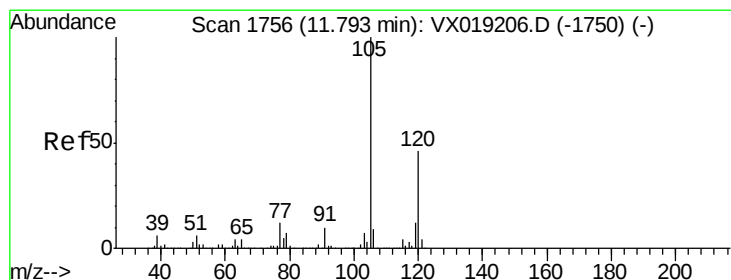
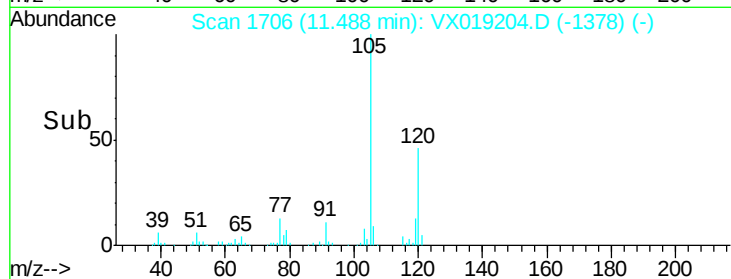
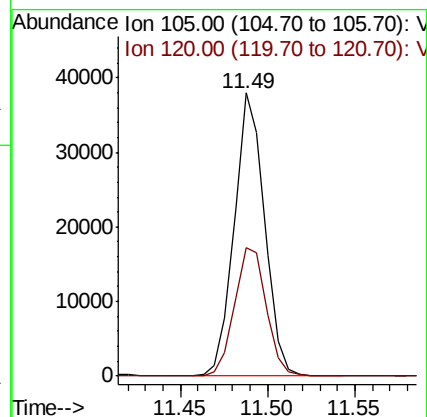
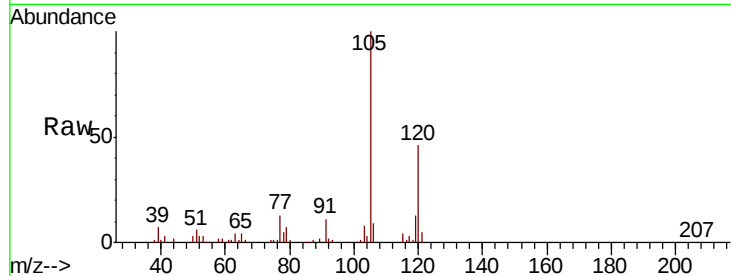




#62
 1,3,5-Trimethylbenzene
 Concen: 4.547 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

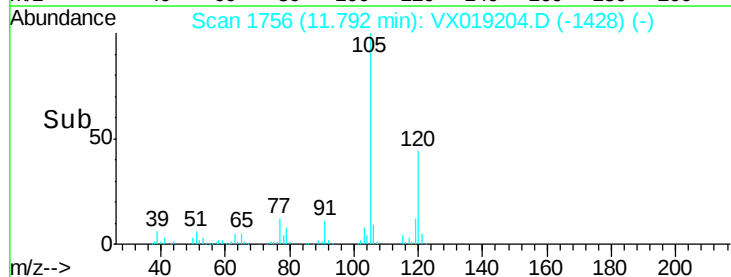
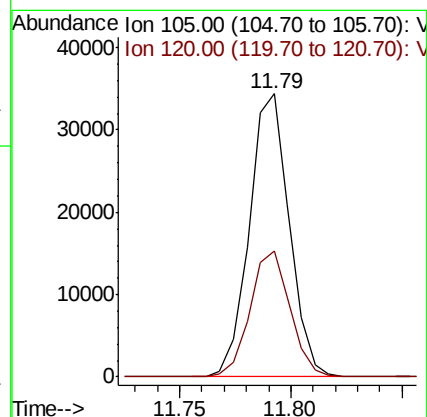
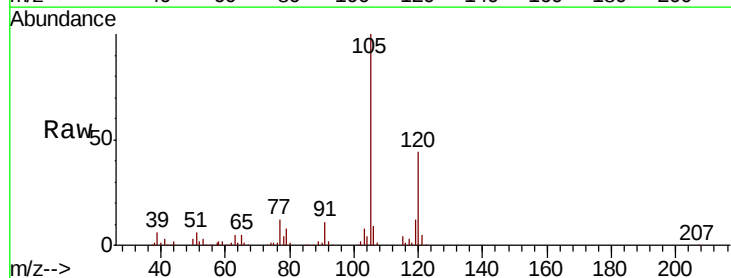
Instrument :
 MSVOA_X
 ClientSampled :

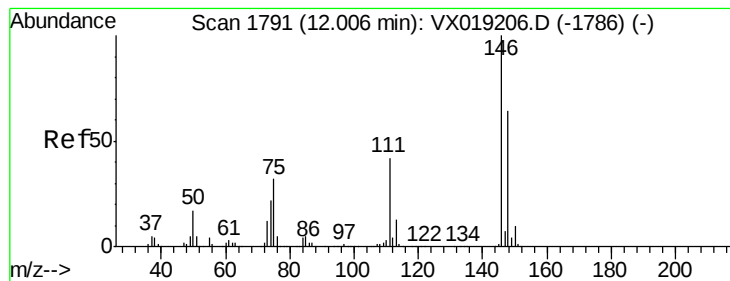
Tot Ion:105 Resp: 45686
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.270 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Tgt Ion:105 Resp: 42978
 Ion Ratio Lower Upper
 105 100
 120 44.6 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 4.173 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

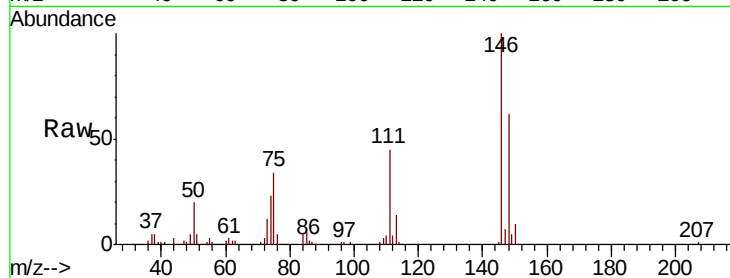
Tot Ion:146 Resp: 24452

Ion Ratio Lower Upper

146 100

111 45.0 29.7 55.1

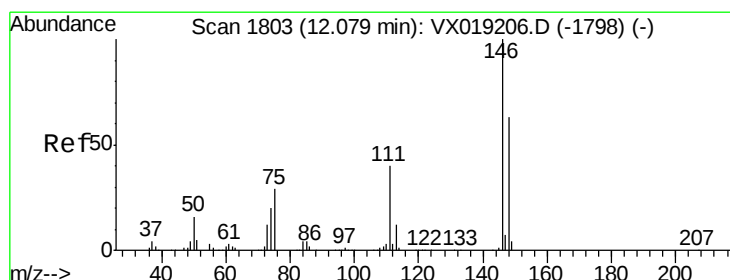
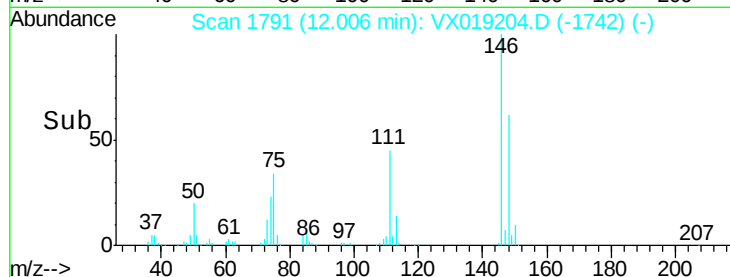
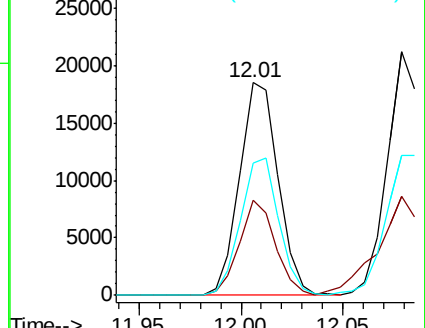
148 62.0 44.5 82.7



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: 4.408 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019204.D

Acq: 02 Nov 2020 10:41

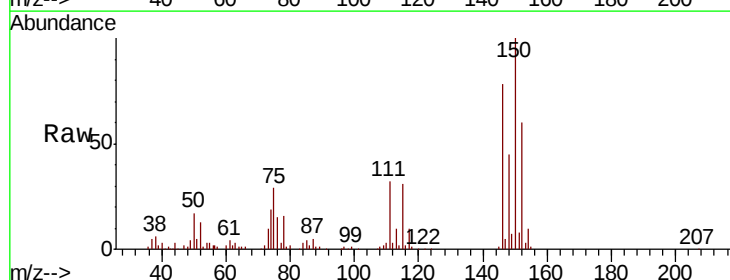
Tgt Ion:146 Resp: 26069

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.3

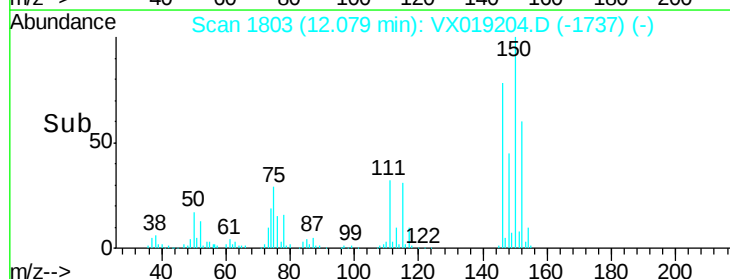
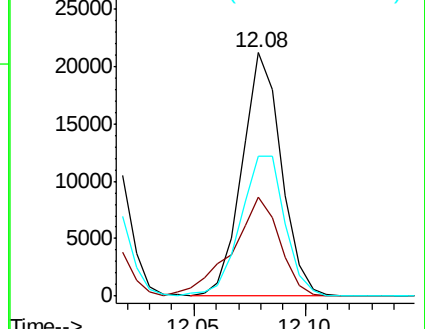
148 57.5 43.8 81.4

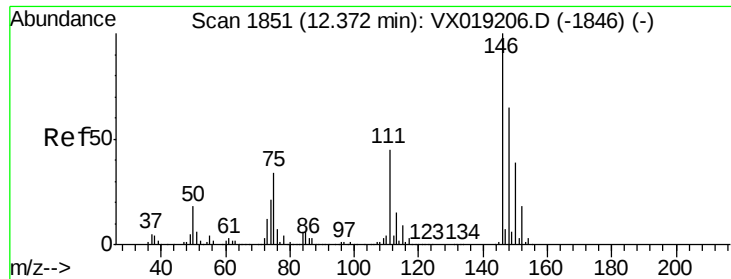


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

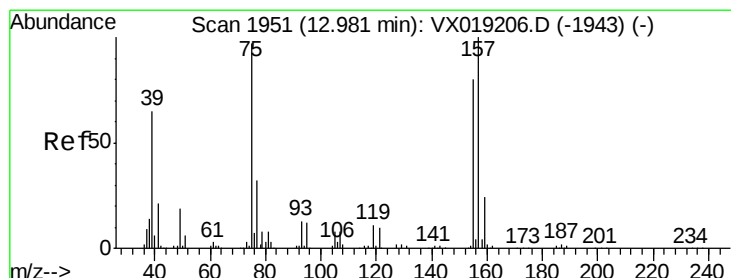
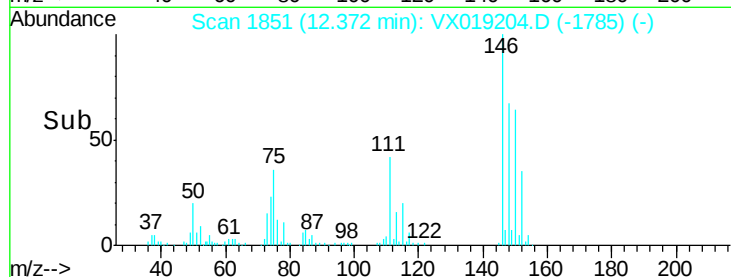
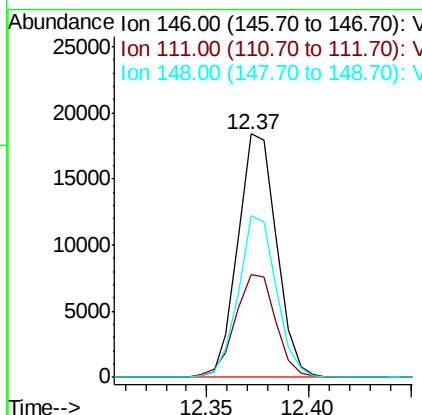
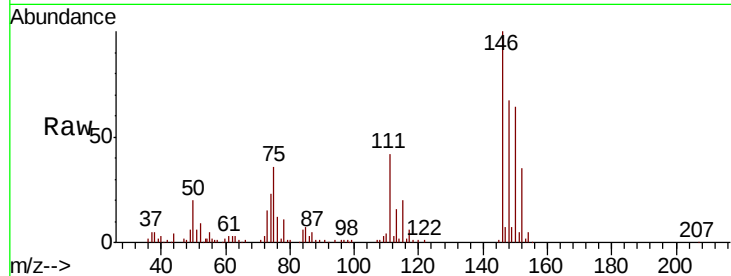




#67
 1,2-Dichlorobenzene
 Concen: 4.302 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

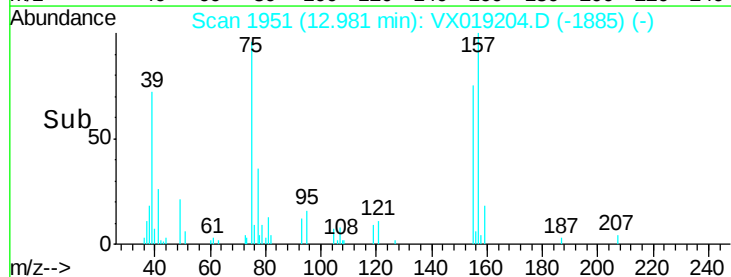
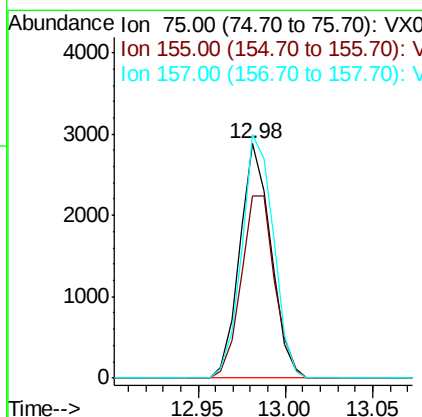
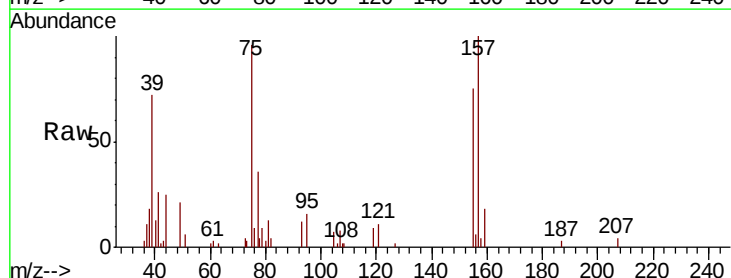
Instrument :
 MSVOA_X
 ClientSampled :

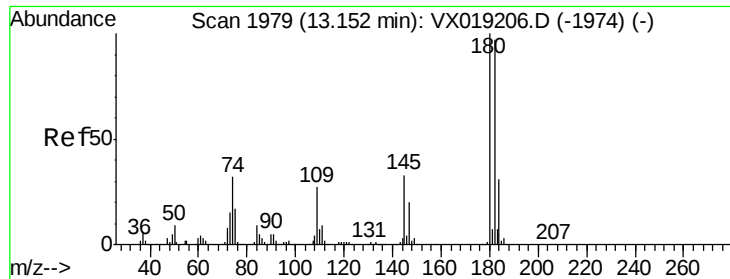
Tot Ion:146 Resp: 24276
 Ion Ratio Lower Upper
 146 100
 111 42.0 35.9 53.9
 148 66.6 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.674 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Tgt Ion: 75 Resp: 3563
 Ion Ratio Lower Upper
 75 100
 155 77.7 65.8 98.8
 157 104.0 82.6 123.8

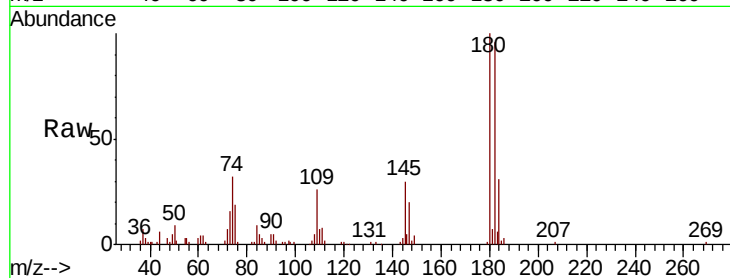




#69
 1,3,5-Trichlorobenzene
 Concen: 4.201 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	180	Resp	16539
Ion Ratio	Lower	Upper	
180	100		
182	98.1	78.8	118.2
184	31.1	25.2	37.8
145	31.1	25.8	38.6



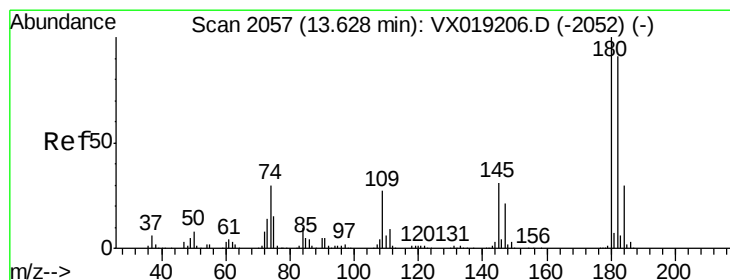
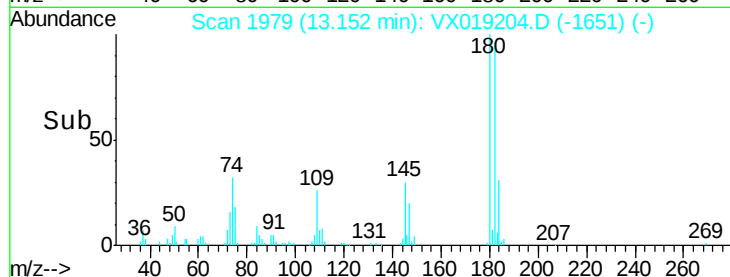
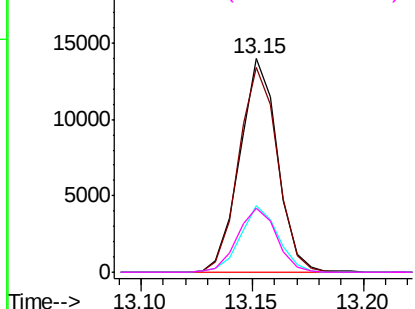
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

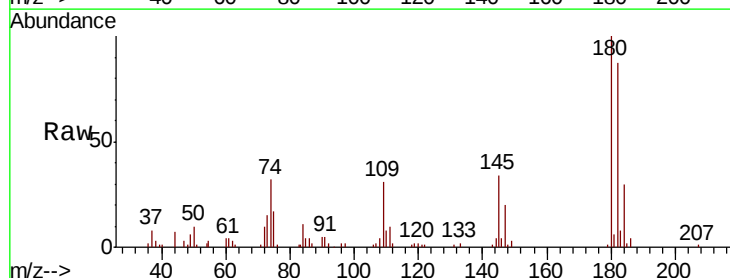
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.084 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019204.D
 Acq: 02 Nov 2020 10:41

Tgt Ion	180	Resp	14845
Ion Ratio	Lower	Upper	
180	100		
182	91.8	74.6	111.8
145	31.7	25.4	38.0

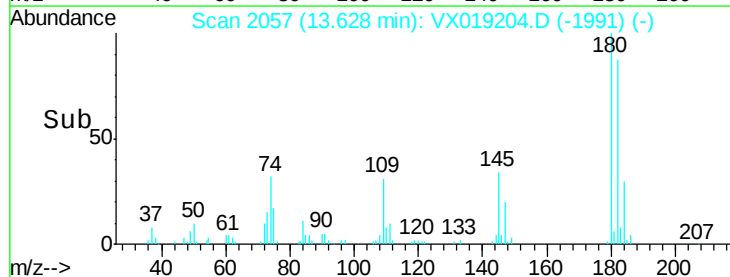
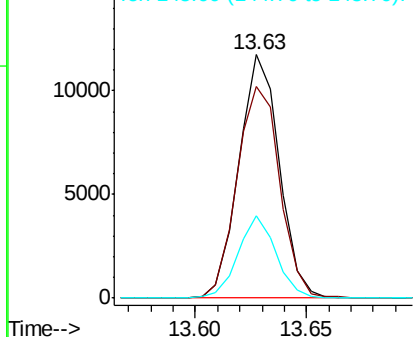


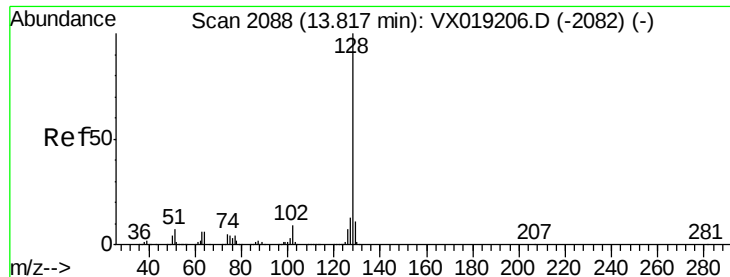
Abundance

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

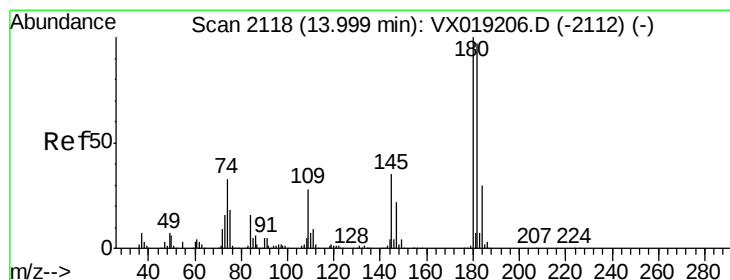
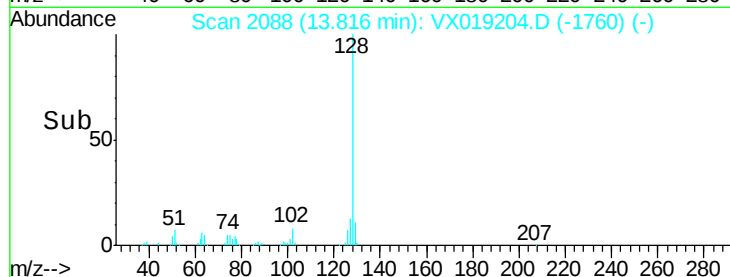
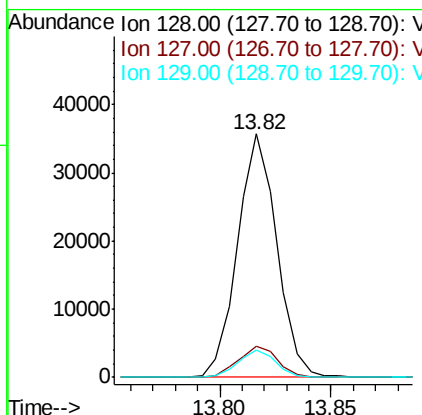
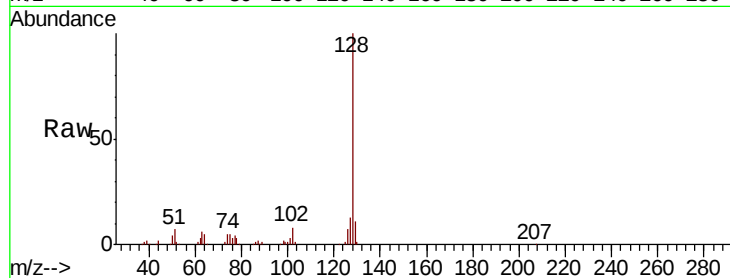




#71
Naphthalene
Concen: 3.859 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 43736
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 3.944 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX019204.D
Acq: 02 Nov 2020 10:41

Tgt Ion:180 Resp: 14139
Ion Ratio Lower Upper
180 100
182 97.3 75.3 112.9
145 35.1 27.1 40.7

