

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\
 Data File : VX019214.D
 Acq On : 02 Nov 2020 16:19
 Operator : JC/MD
 Sample : L4485-08 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 03 07:25:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 14:52:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	468966	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	435557	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	206075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	190523	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.38%
7) Chloroethane-d5	1.70	69	149959	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.34	63	255362	38.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.66%
21) 2-Butanone-d5	4.53	46	220180	106.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.90%
24) Chloroform-d	5.14	84	310406	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
26) 1,2-Dichloroethane-d4	6.03	65	213376	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.36%
32) Benzene-d6	6.04	84	657667	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
36) 1,2-Dichloropropane-d6	7.37	67	196367	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.38%
41) Toluene-d8	8.70	98	614319	44.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.50%
43) trans-1,3-Dichloropropene-	8.99	79	100480	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	9.42	63	178065	107.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.98%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	239619	50.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.74%
66) 1,2-Dichlorobenzene-d4	12.36	152	207694	50.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	6217	2.092 ug/L	99
3) Chloromethane	1.31	50	8108	2.685 ug/L	96
5) Vinyl chloride	1.39	62	9738	2.861 ug/L #	64
6) Bromomethane	1.64	94	5992	2.664 ug/L	97
8) Chloroethane	1.71	64	5717	2.695 ug/L	89
9) Trichlorofluoromethane	1.92	101	11882	2.353 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8173	2.806 ug/L #	79
12) 1,1-Dichloroethene	2.36	96	8654	3.062 ug/L #	1
13) Acetone	2.43	43	7563	5.942 ug/L	100
14) Carbon disulfide	2.55	76	21711	2.545 ug/L	100
15) Methyl Acetate	2.75	43	7801	2.808 ug/L	99
16) Methylene chloride	2.83	84	8942	2.837 ug/L	96
17) trans-1,2-Dichloroethene	3.14	96	8117	2.672 ug/L	99
18) Methyl tert-butyl Ether	3.16	73	25326	2.637 ug/L	98
19) 1,1-Dichloroethane	3.67	63	13585	2.516 ug/L	98
20) cis-1,2-Dichloroethene	4.56	96	8656	2.594 ug/L	95
22) 2-Butanone	4.65	43	10944	5.444 ug/L	97

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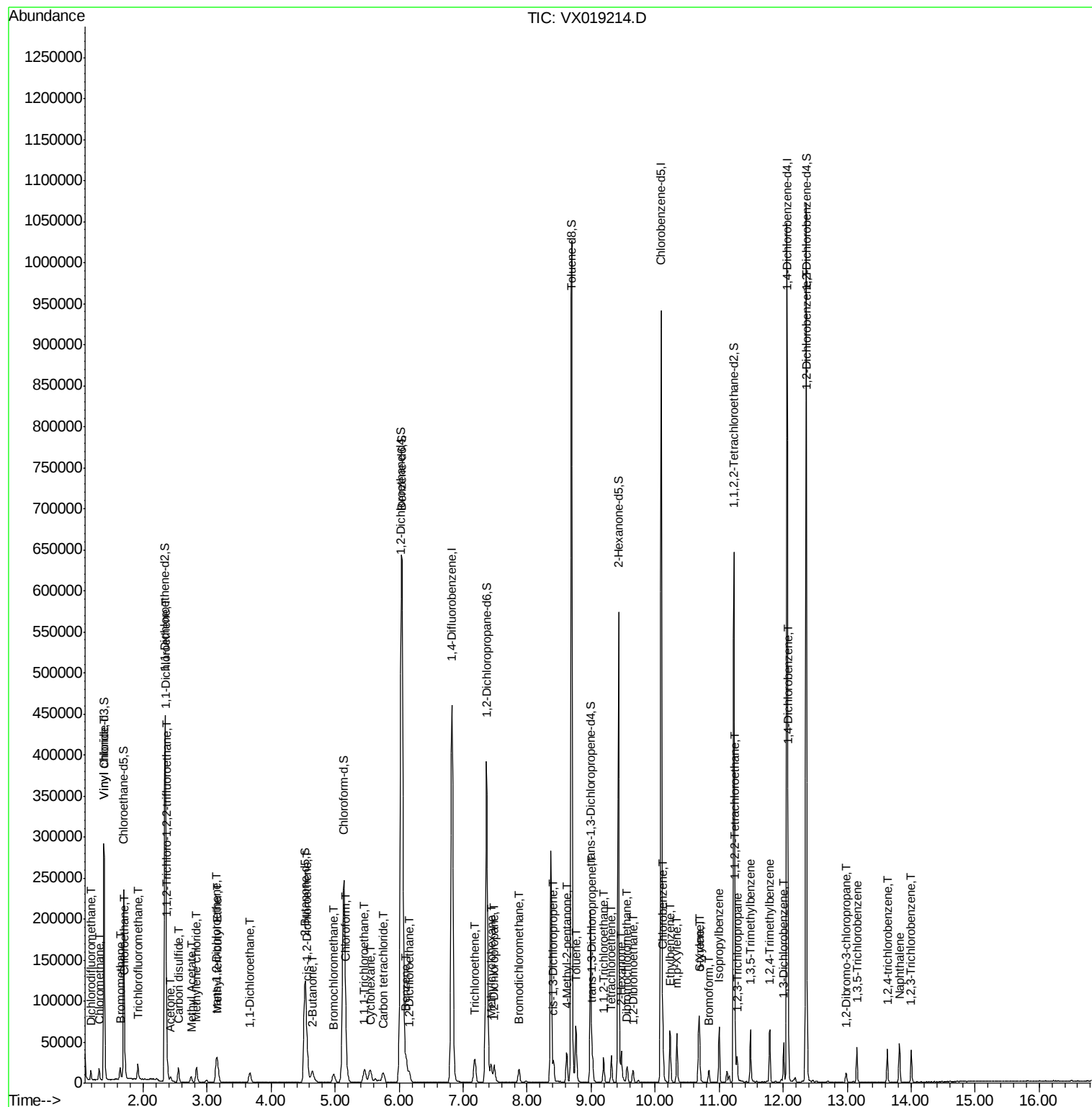
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	4370	2.600	ug/L	96
25) Chloroform	5.17	83	23743	4.190	ug/L	97
27) 1,2-Dichloroethane	6.16	62	11732	2.629	ug/L	96
29) Cyclohexane	5.54	56	10358	2.066	ug/L	97
30) 1,1,1-Trichloroethane	5.46	97	12883	2.454	ug/L	98
31) Carbon tetrachloride	5.75	117	10515	2.331	ug/L	99
33) Benzene	6.11	78	32414	2.592	ug/L	100
34) Trichloroethene	7.18	95	8746	2.563	ug/L	96
35) Methylcyclohexane	7.44	83	9968	1.845	ug/L	99
37) 1,2-Dichloropropane	7.49	63	8082	2.602	ug/L	100
38) Bromodichloromethane	7.87	83	10492	2.429	ug/L	100
39) cis-1,3-Dichloropropene	8.41	75	12774	2.475	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	20084	5.287	ug/L	100
42) Toluene	8.76	91	43274	3.181	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	12435	2.473	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	8011	2.625	ug/L	96
46) Tetrachloroethene	9.32	164	5931	2.303	ug/L	89
48) 2-Hexanone	9.47	43	19120	6.388	ug/L	95
49) Dibromochloromethane	9.56	129	7848	2.351	ug/L	90
50) 1,2-Dibromoethane	9.65	107	8204	2.571	ug/L	97
51) Chlorobenzene	10.12	112	21944	2.594	ug/L	97
52) Ethylbenzene	10.23	91	36874	2.508	ug/L	99
53) m,p-Xylene	10.34	106	13736	2.486	ug/L	94
54) o-Xylene	10.68	106	13370	2.500	ug/L	88
55) Styrene	10.70	104	21602	2.394	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	12431	2.972	ug/L #	98
59) Bromoform	10.84	173	5293	2.371	ug/L	93
60) Isopropylbenzene	11.00	105	34306	2.453	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	9577	2.728	ug/L	95
62) 1,3,5-Trimethylbenzene	11.49	105	27955	2.430	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	27089	2.489	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	15529	2.572	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	15997	2.611	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	15553	2.660	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	2300	2.406	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	10011	2.367	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	8785	2.254	ug/L	96
71) Naphthalene	13.82	128	28815	2.286	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	8934	2.342	ug/L	99

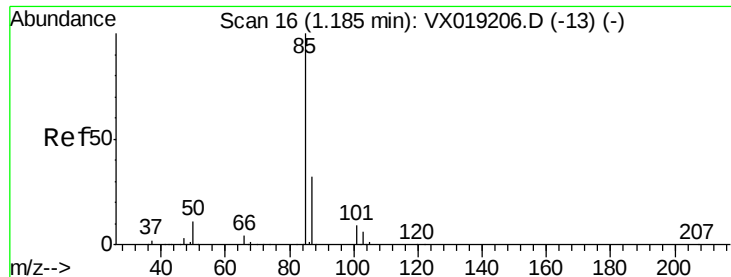
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.092 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

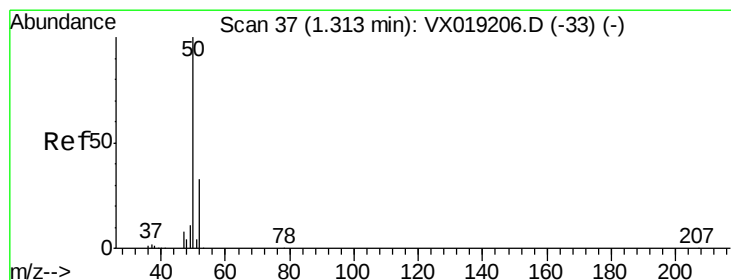
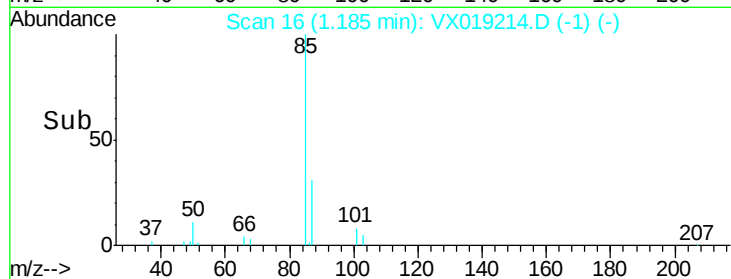
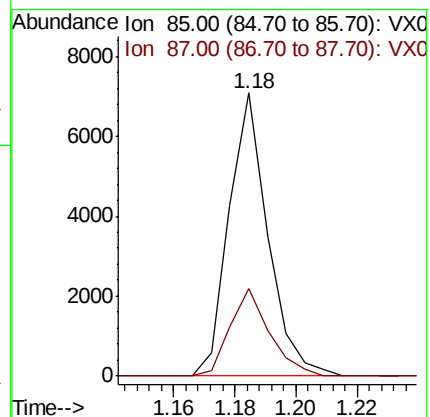
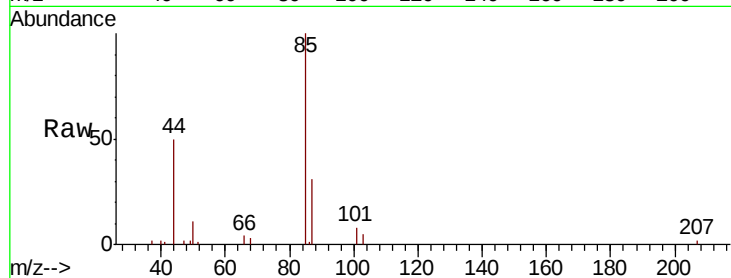
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 85 Resp: 6217

Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.8



#3

Chloromethane

Concen: 2.685 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019214.D

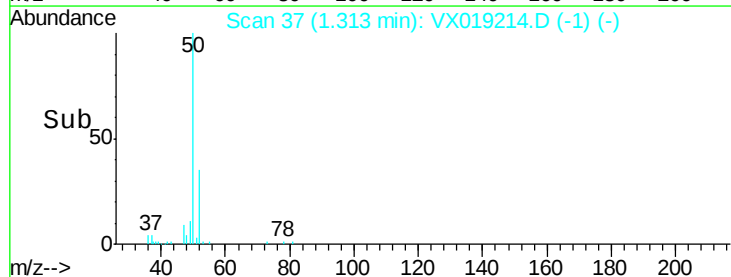
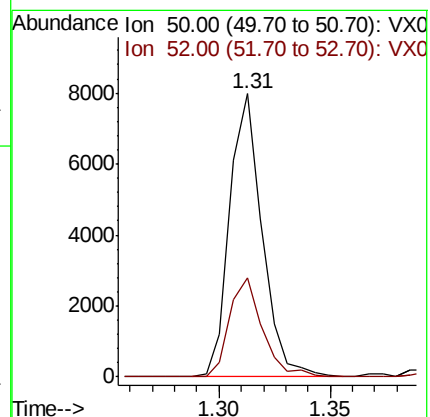
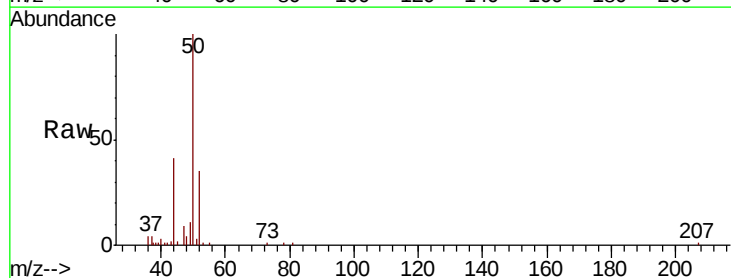
Acq: 02 Nov 2020 16:19

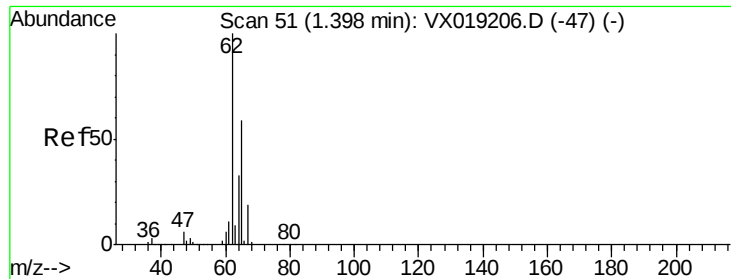
Tgt Ion: 50 Resp: 8108

Ion Ratio Lower Upper

50 100

52 34.9 22.8 42.4





#5

Vinyl chloride

Concen: 2.861 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

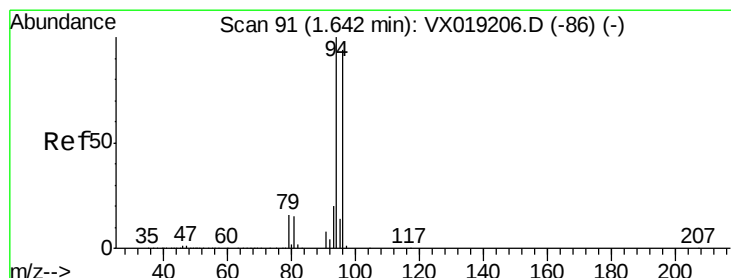
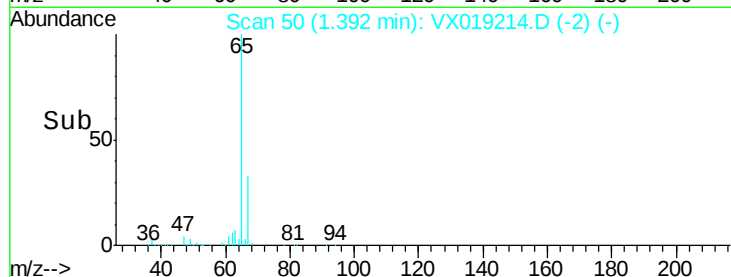
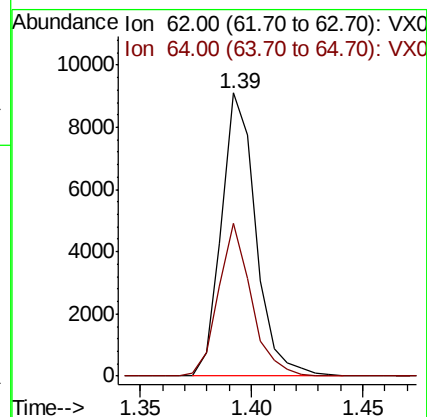
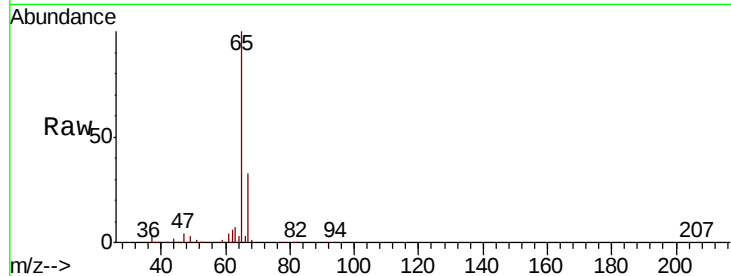
ClientSampleId :

Tot Ion: 62 Resp: 9738

Ion Ratio Lower Upper

62 100

64 54.2 23.4 43.6#



#6

Bromomethane

Concen: 2.664 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX019214.D

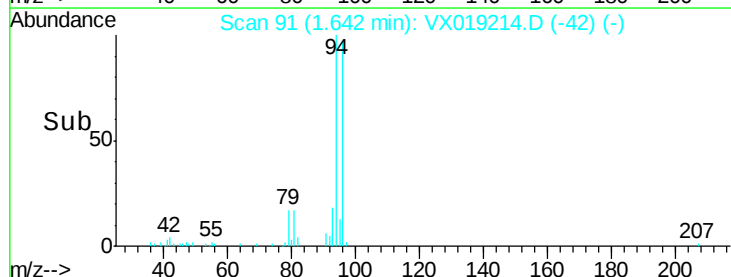
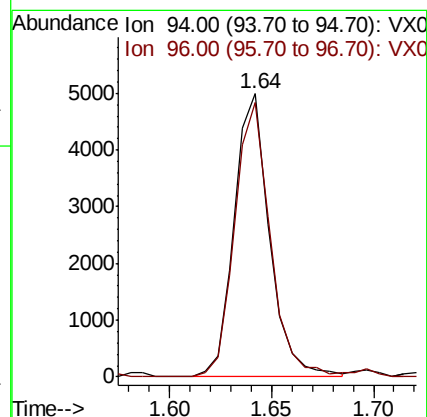
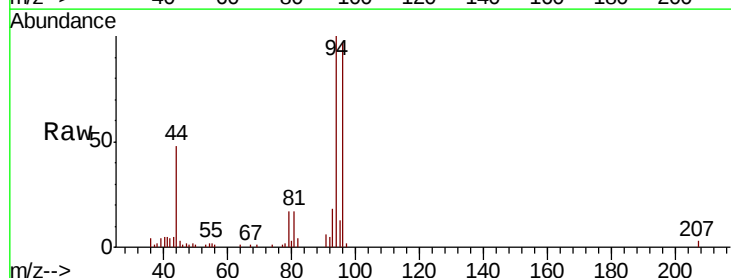
Acq: 02 Nov 2020 16:19

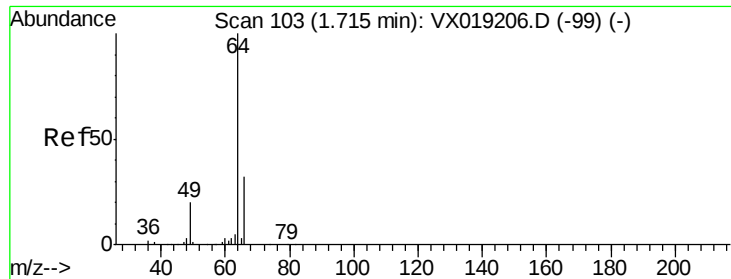
Tgt Ion: 94 Resp: 5992

Ion Ratio Lower Upper

94 100

96 97.0 66.0 122.6





#8

Chloroethane

Concen: 2.695 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

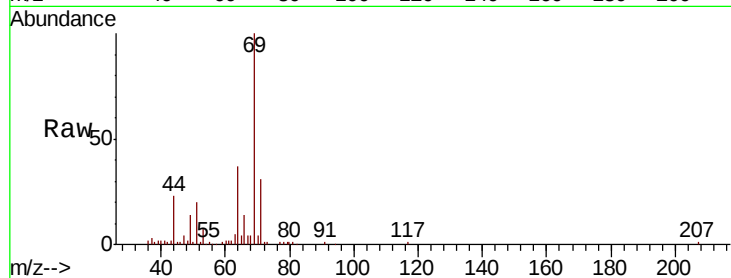
ClientSampled :

Tot Ion: 64 Resp: 5717

Ion Ratio Lower Upper

64 100

66 38.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.71

5000

4000

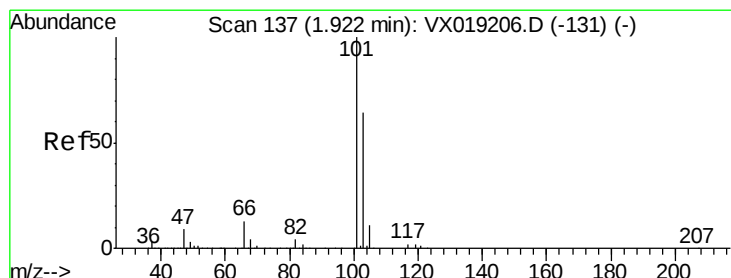
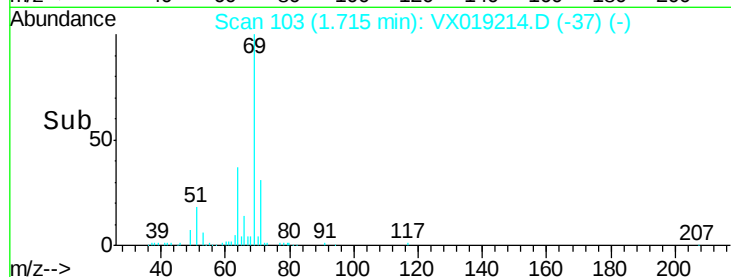
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 2.353 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX019214.D

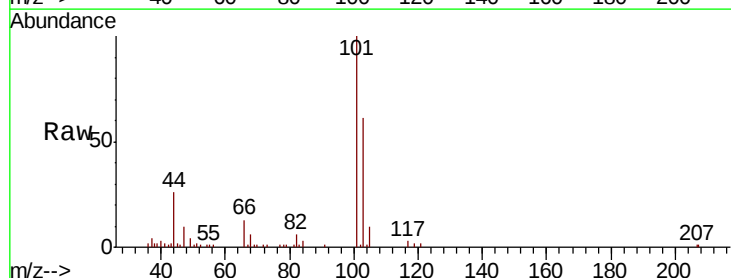
Acq: 02 Nov 2020 16:19

Tgt Ion: 101 Resp: 11882

Ion Ratio Lower Upper

101 100

103 61.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.92

8000

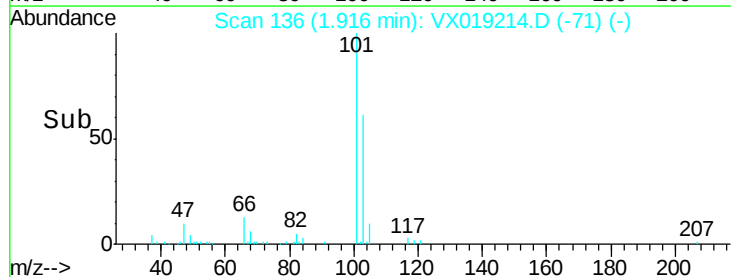
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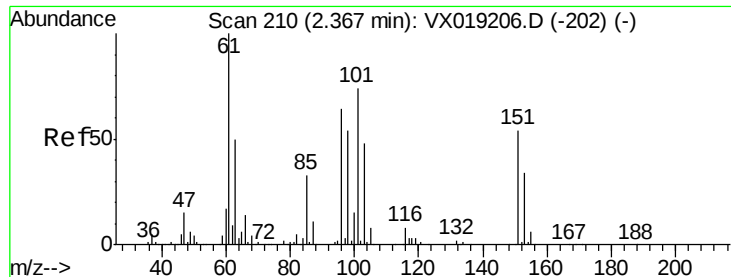
4000

2000

0

Time-->





#10

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

Concen: 2.806 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

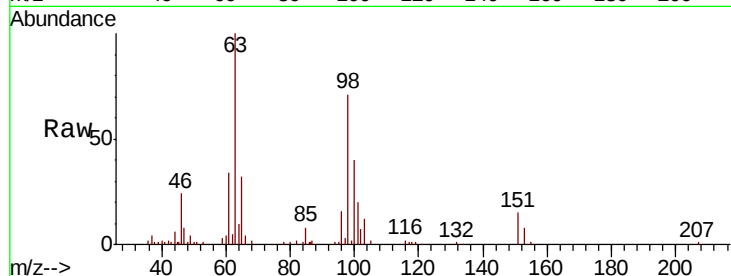
Tot Ion:101 Resp: 8173

Ion Ratio Lower Upper

101 100

85 31.2 35.0 52.4#

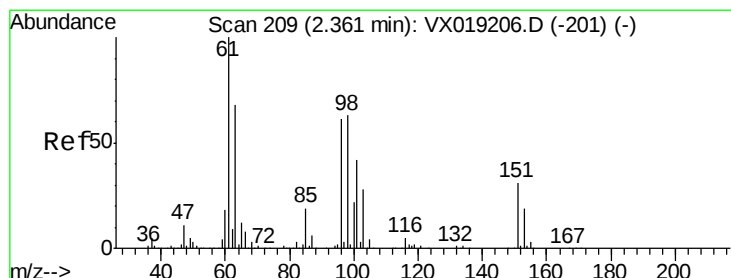
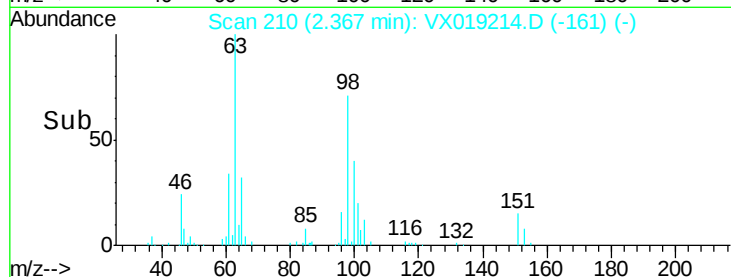
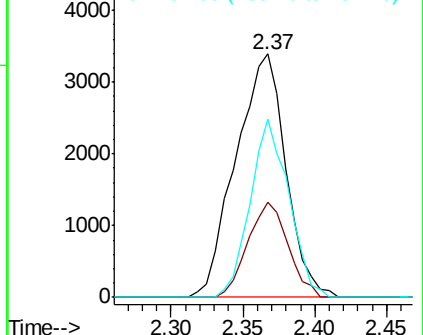
151 56.3 59.9 89.9#



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: 3.062 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

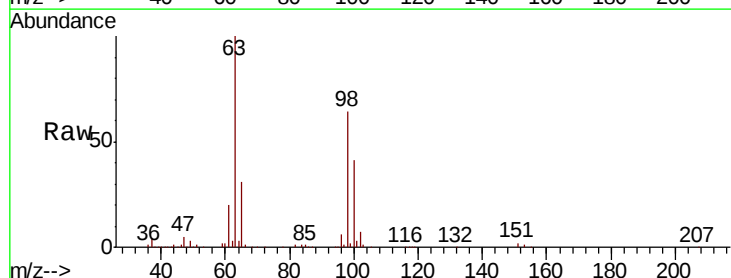
Tgt Ion: 96 Resp: 8654

Ion Ratio Lower Upper

96 100

61 338.0 115.1 213.8#

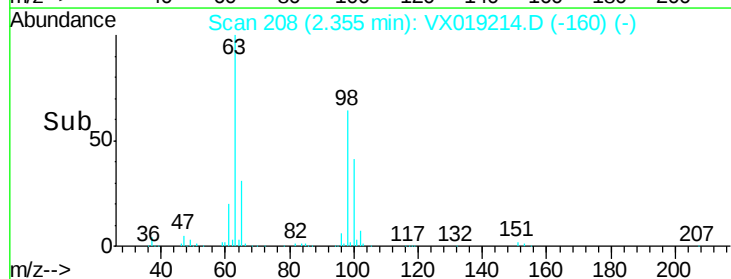
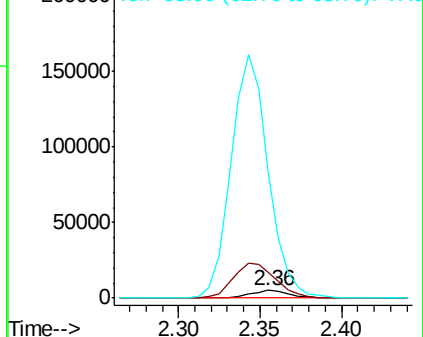
63 1666.8 78.3 145.5#

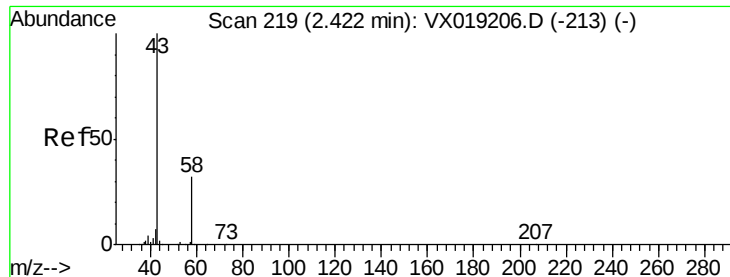


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 5.942 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

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MSVOA_X

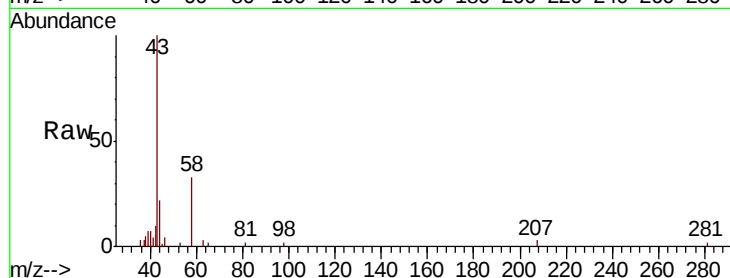
ClientSampled :

Tot Ion: 43 Resp: 7563

Ion Ratio Lower Upper

43 100

58 32.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

4000

3000

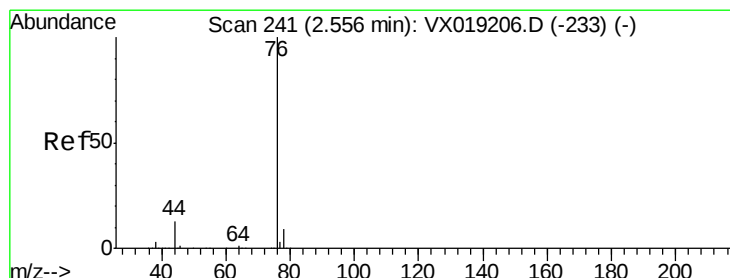
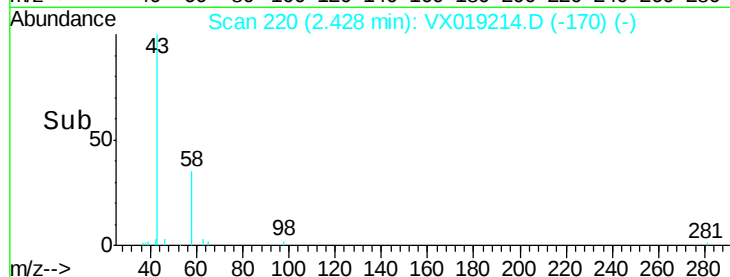
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 2.545 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX019214.D

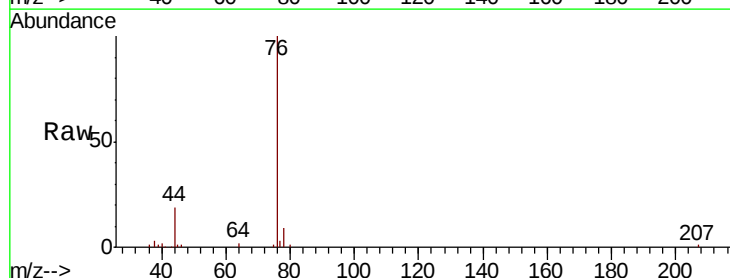
Acq: 02 Nov 2020 16:19

Tgt Ion: 76 Resp: 21711

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.55

15000

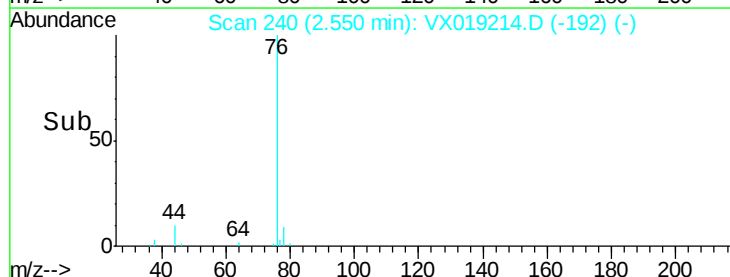
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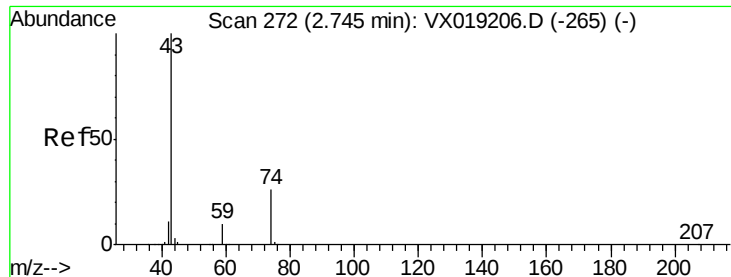
5000

0

Time-->

2.50 2.55 2.60 2.65

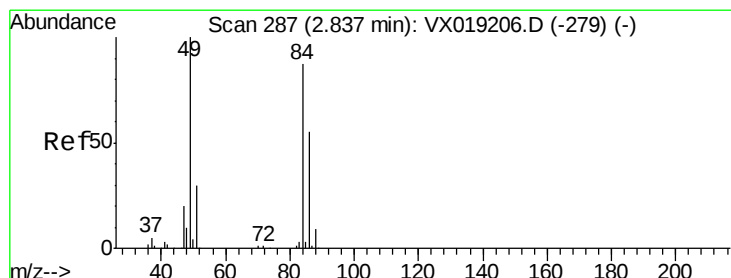
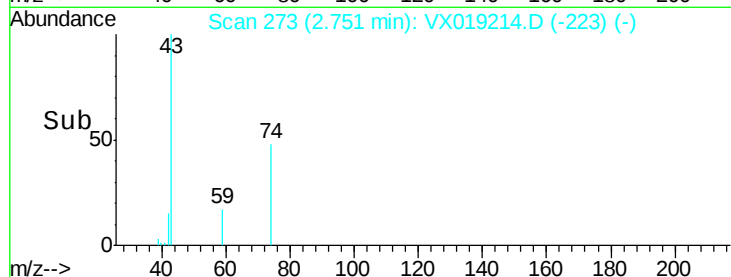
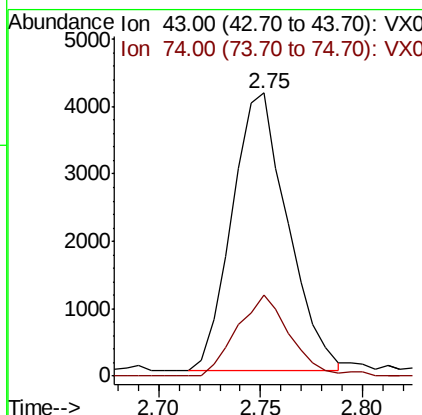
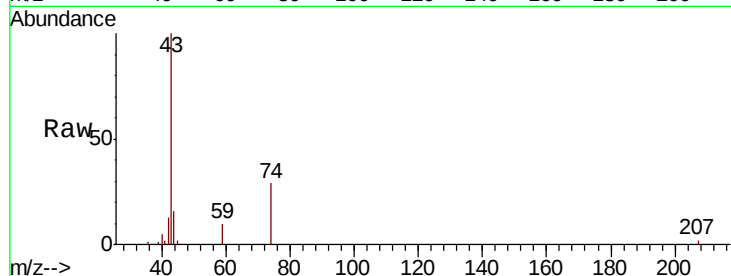




#15
Methyl Acetate
Concen: 2.808 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

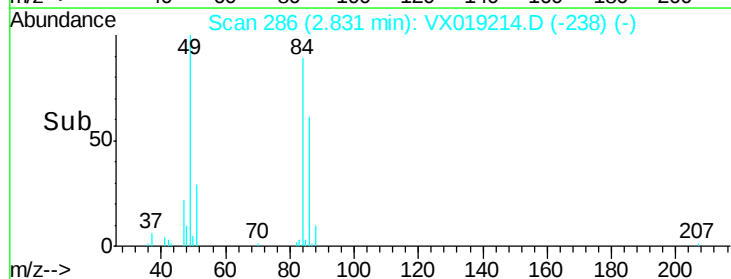
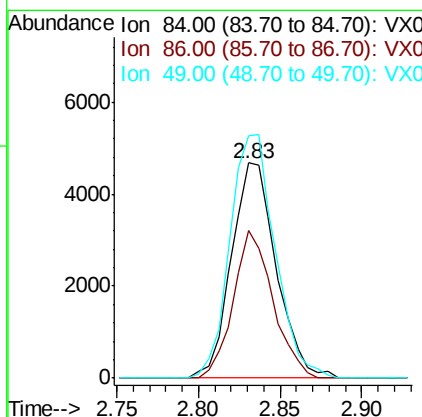
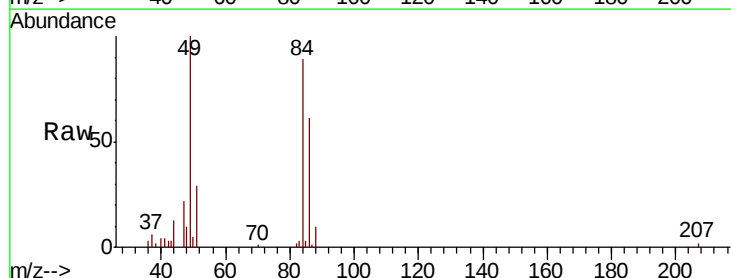
Instrument :
MSVOA_X
ClientSampled :

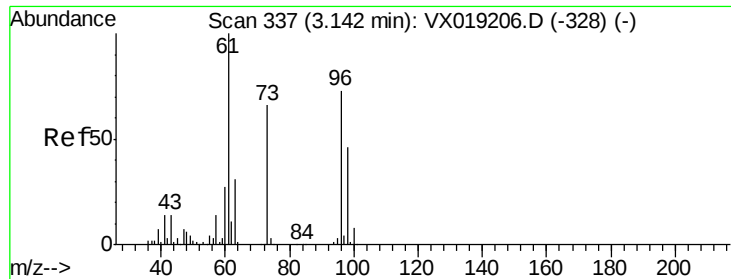
Tot Ion: 43 Resp: 7801
Ion Ratio Lower Upper
43 100
74 27.6 21.8 32.8



#16
Methylene chloride
Concen: 2.837 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 84 Resp: 8942
Ion Ratio Lower Upper
84 100
86 68.9 44.0 81.6
49 112.8 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.672 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

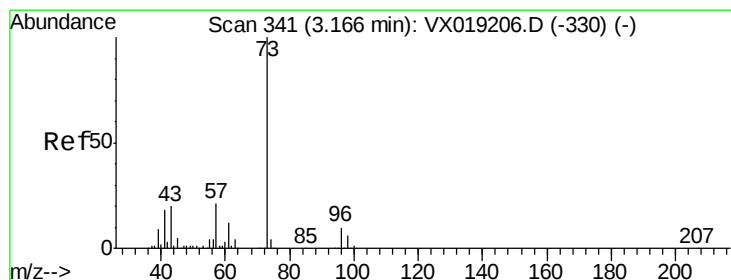
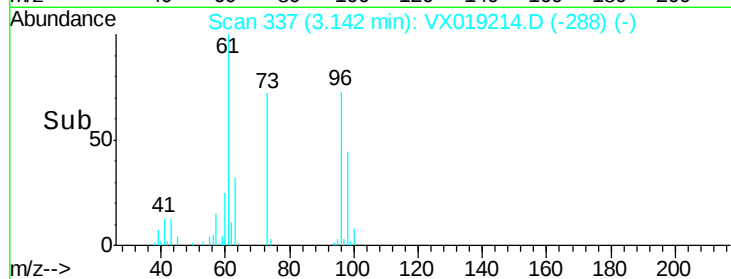
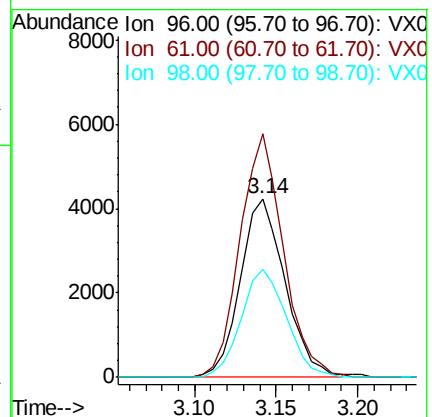
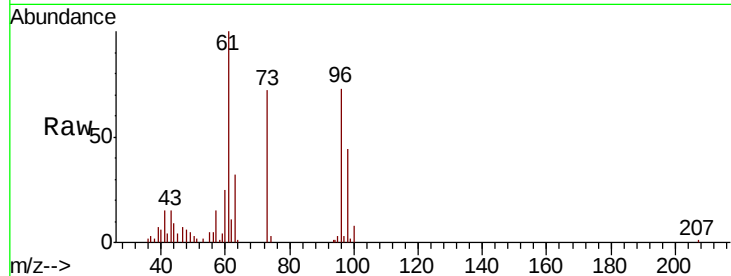
Tot Ion: 96 Resp: 8117

Ion Ratio Lower Upper

96 100

61 136.5 95.7 177.7

98 60.3 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.637 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

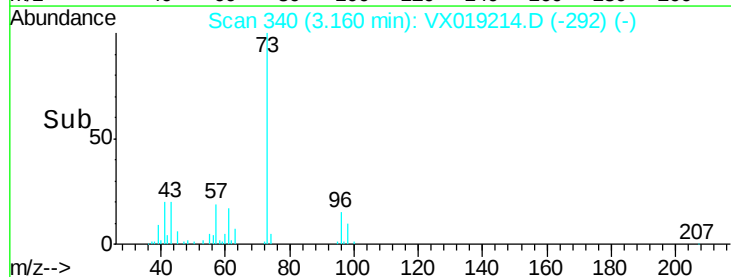
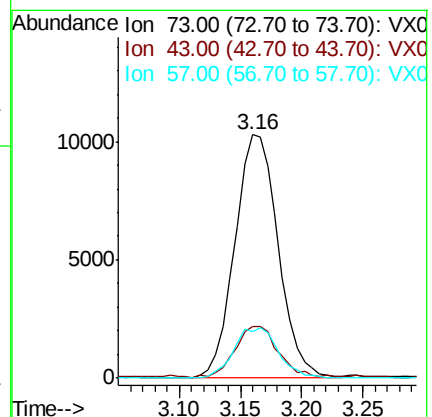
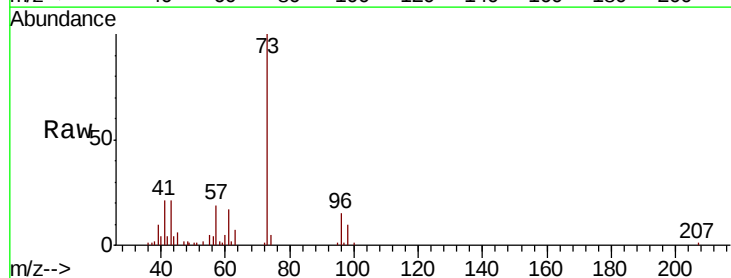
Tgt Ion: 73 Resp: 25326

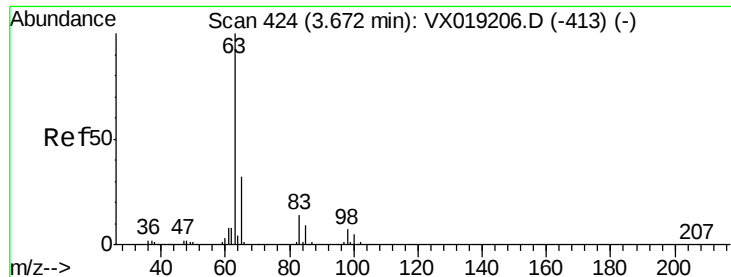
Ion Ratio Lower Upper

73 100

43 21.3 15.8 23.6

57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.516 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

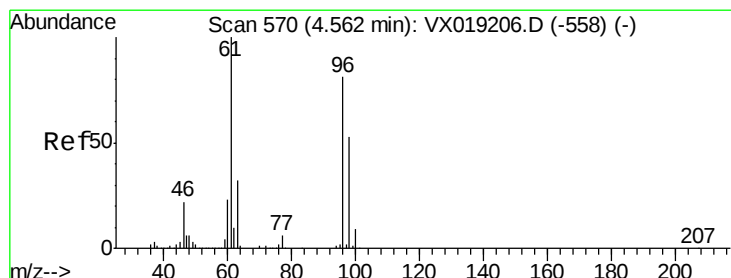
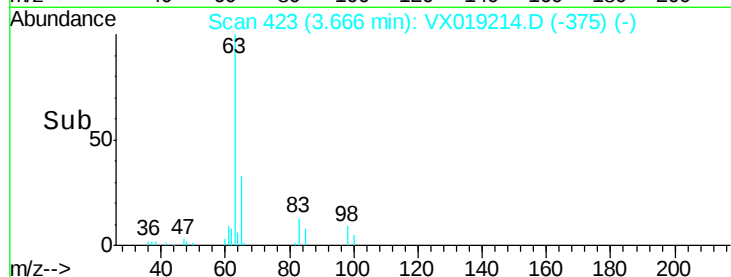
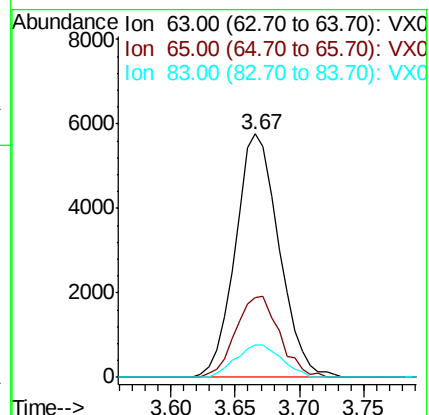
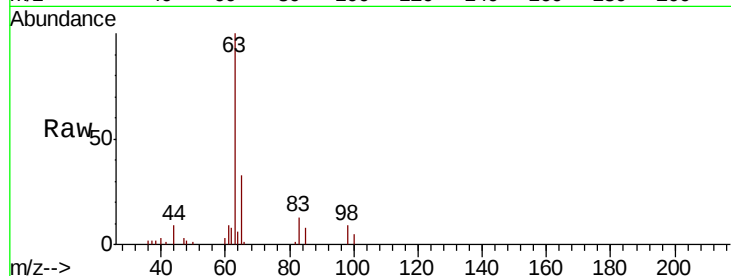
Tot Ion: 63 Resp: 13585

Ion Ratio Lower Upper

63 100

65 33.0 22.3 41.3

83 13.2 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 2.594 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

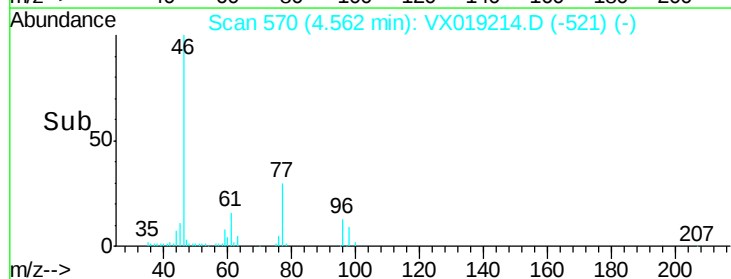
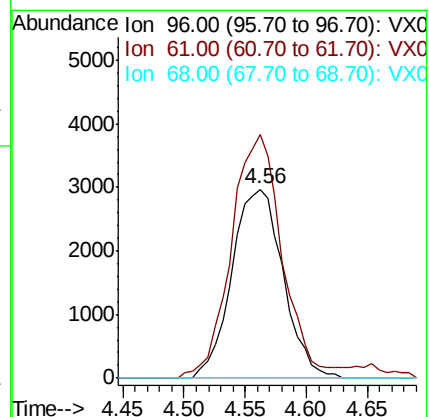
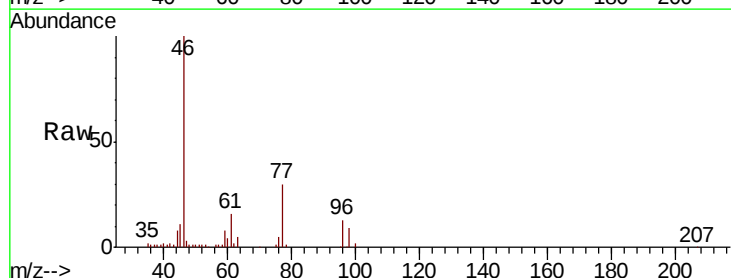
Tgt Ion: 96 Resp: 8656

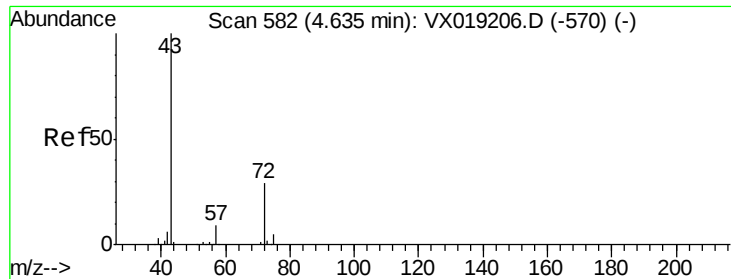
Ion Ratio Lower Upper

96 100

61 128.9 86.1 159.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.444 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

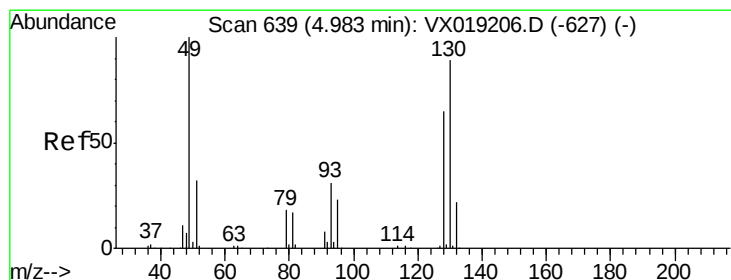
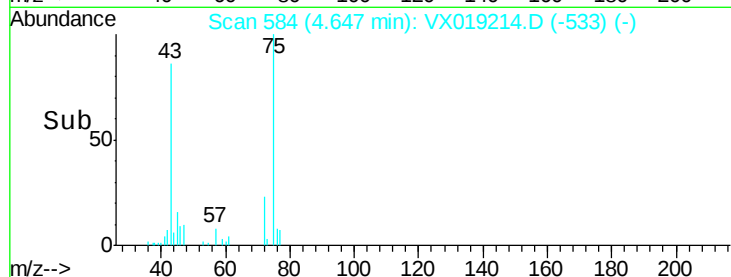
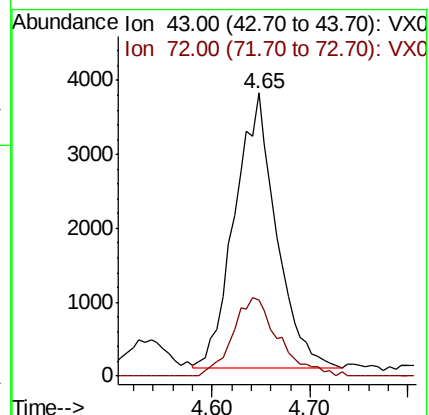
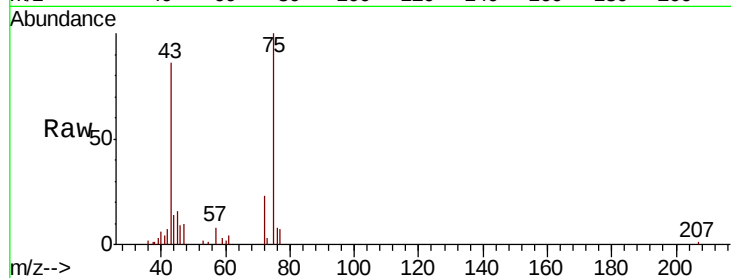
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 10944

Ion Ratio Lower Upper

43 100

72 31.6 15.0 45.0



#23

Bromochloromethane

Concen: 2.600 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Tgt Ion: 128 Resp: 4370

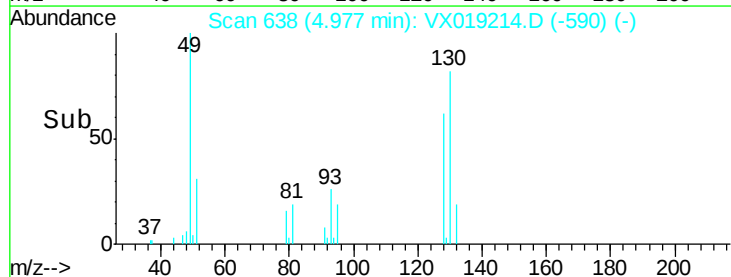
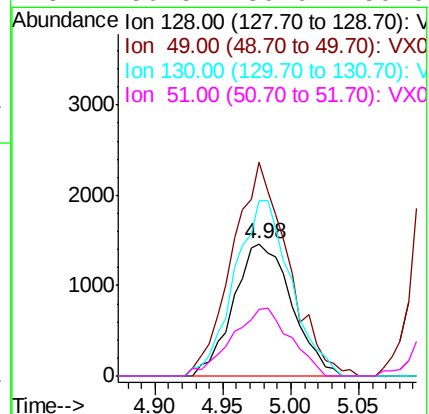
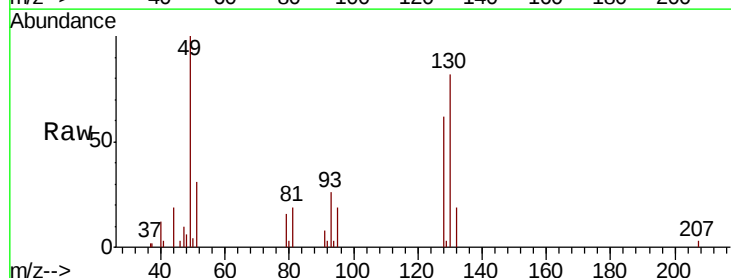
Ion Ratio Lower Upper

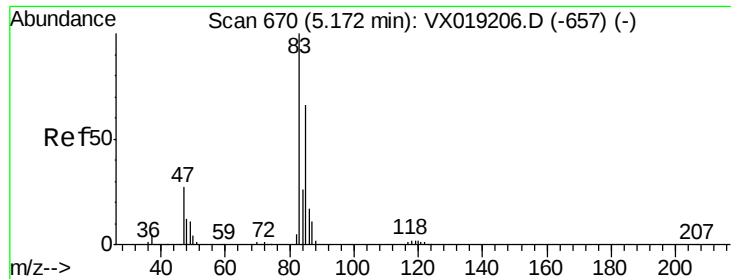
128 100

49 162.0 108.4 201.4

130 132.5 96.7 179.7

51 50.5 39.9 59.9

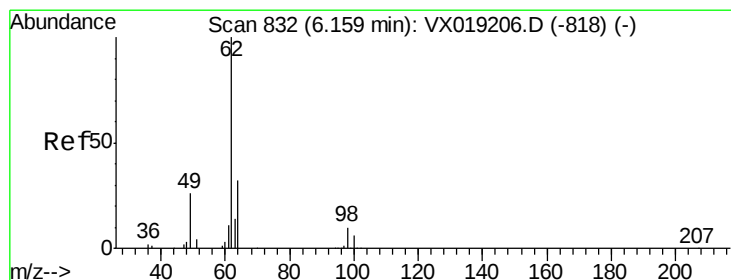
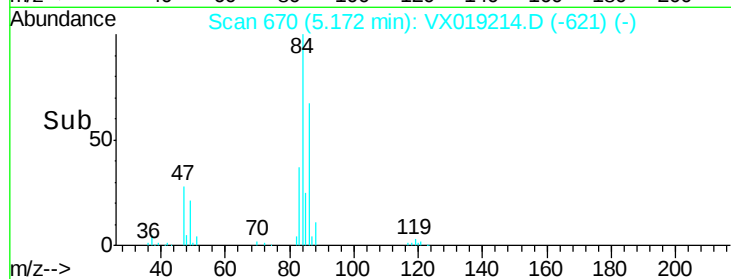
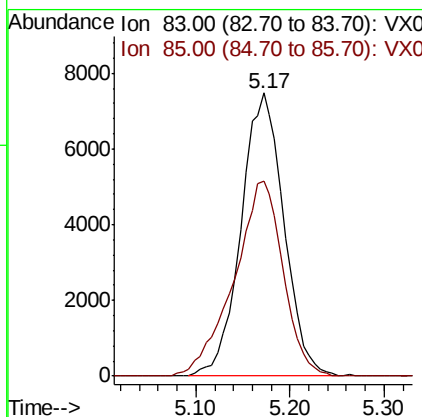
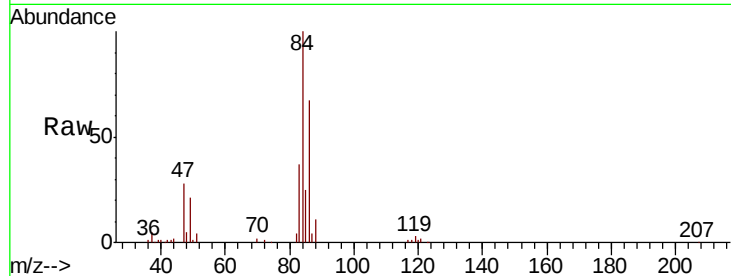




#25
Chloroform
Concen: 4.190 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

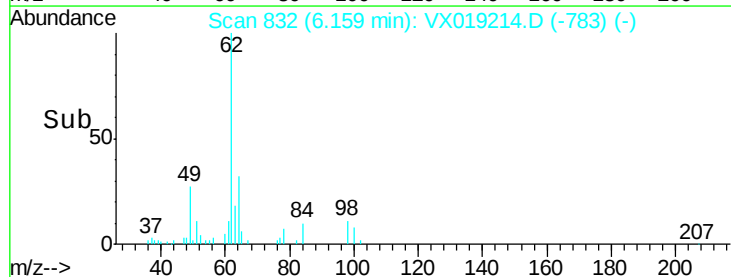
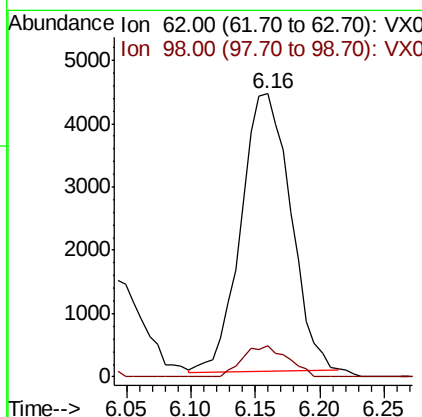
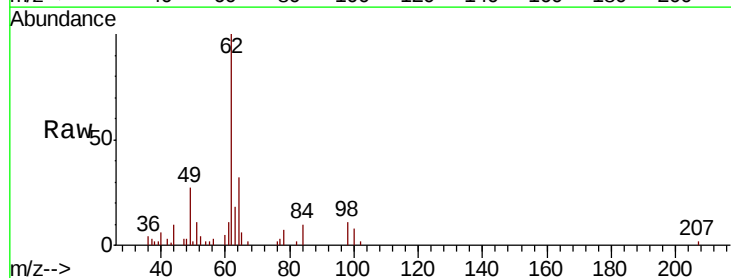
Instrument :
MSVOA_X
ClientSampleId :

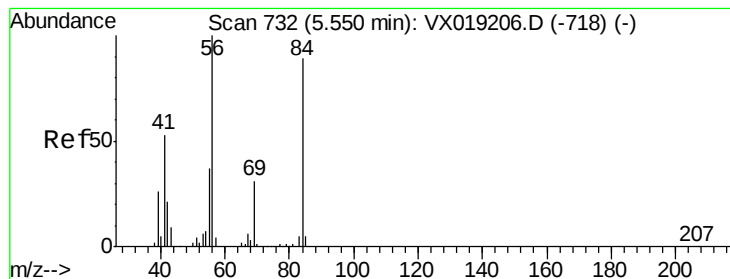
Tot Ion: 83 Resp: 23743
Ion Ratio Lower Upper
83 100
85 68.9 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.629 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 62 Resp: 11732
Ion Ratio Lower Upper
62 100
98 10.8 7.6 11.4





#29

Cyclohexane

Concen: 2.066 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

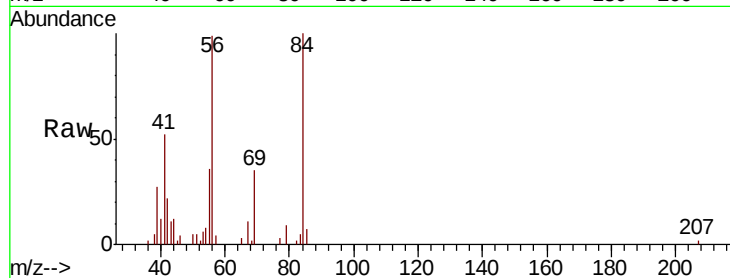
Tot Ion: 56 Resp: 10358

Ion Ratio Lower Upper

56 100

69 32.3 25.2 37.8

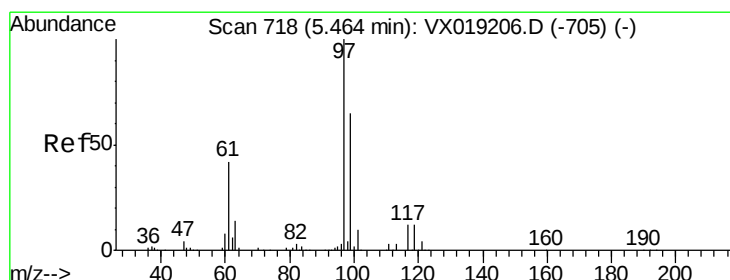
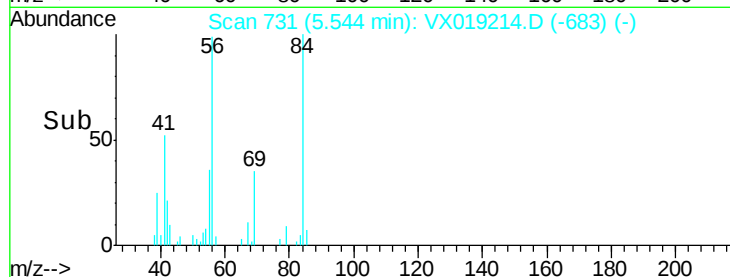
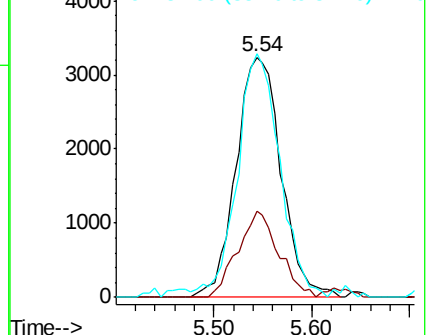
84 95.6 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#30

1,1,1-Trichloroethane

Concen: 2.454 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

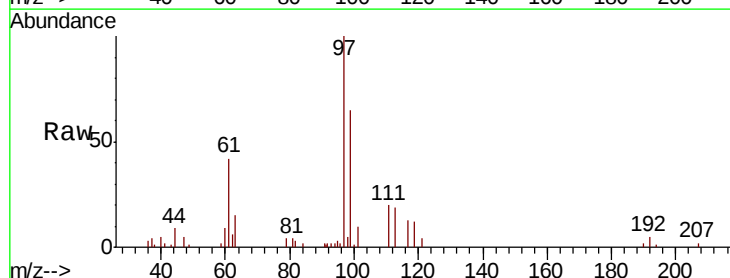
Tgt Ion: 97 Resp: 12883

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.6

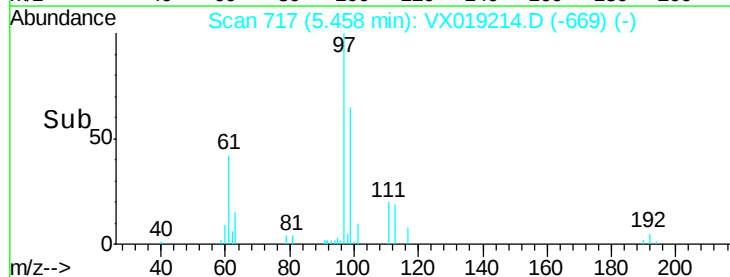
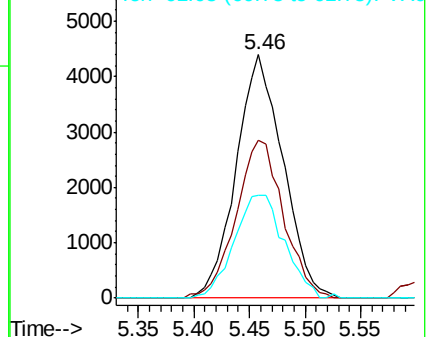
61 44.9 34.8 52.2

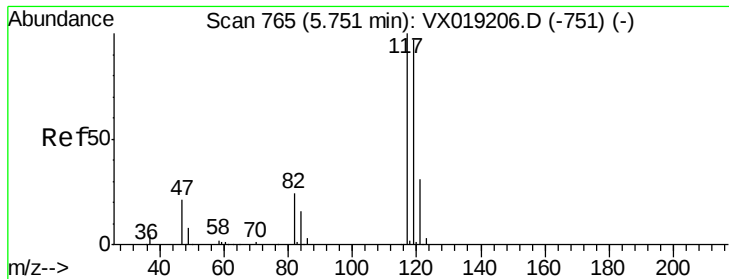


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.05 (60.75 to 61.75): VX0



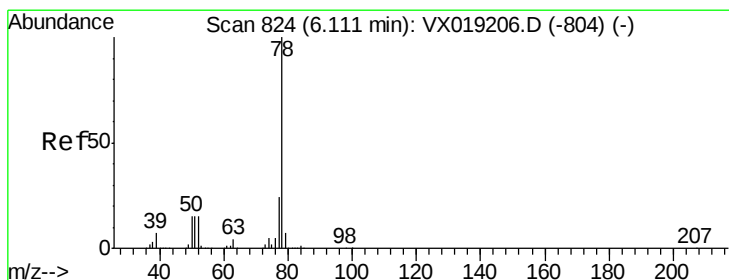
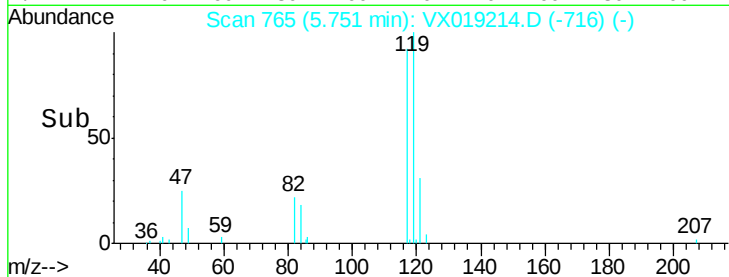
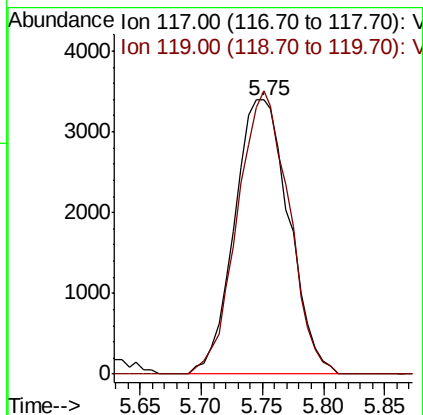
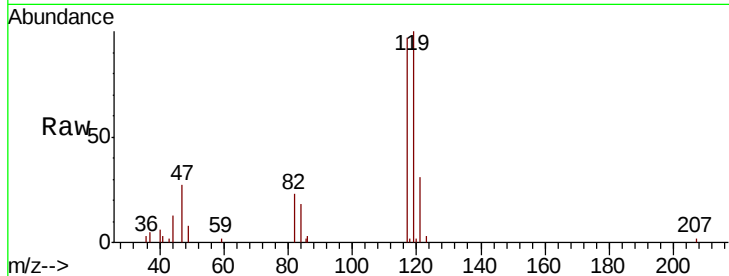


#31

Carbon tetrachloride
Concen: 2.331 ug/L
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Instrument :
MSVOA_X
ClientSampleId :

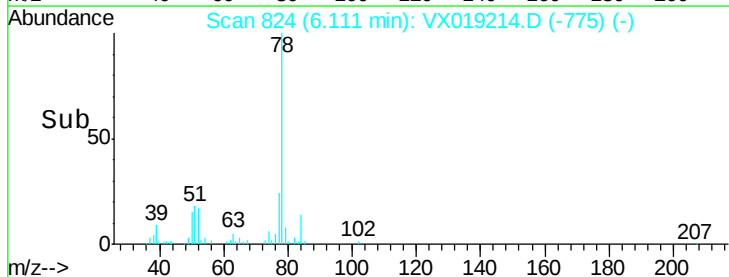
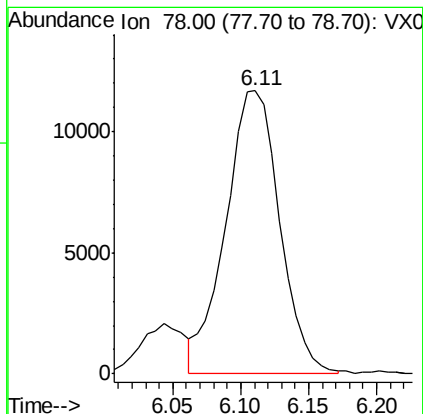
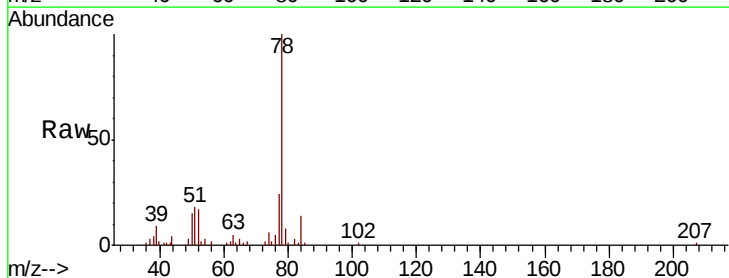
Tot Ion:117 Resp: 10515
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3

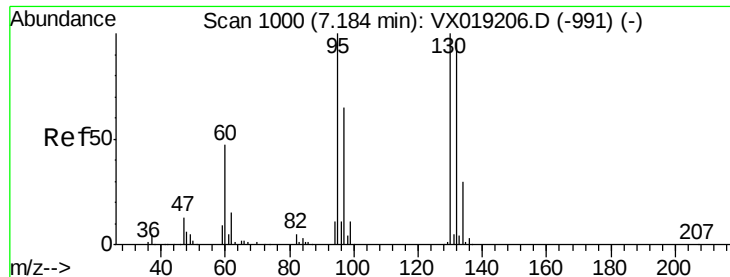


#33

Benzene
Concen: 2.592 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 78 Resp: 32414





#34

Trichloroethene

Concen: 2.563 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 8746

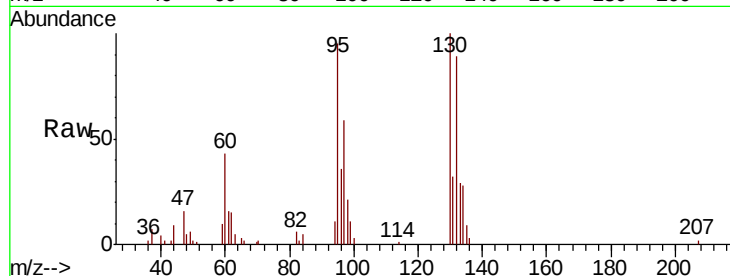
Ion Ratio Lower Upper

95 100

97 61.9 45.1 83.9

132 93.4 67.3 124.9

130 105.5 69.9 129.9

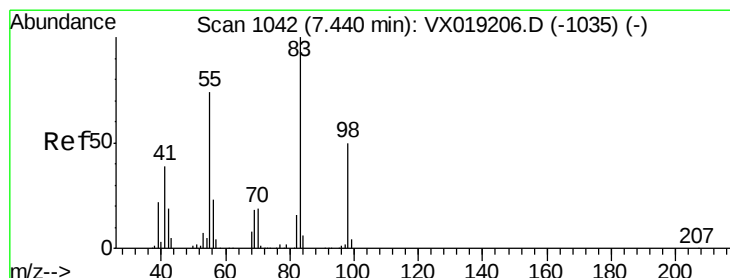
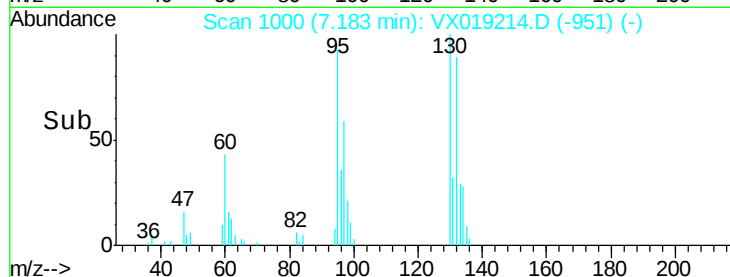
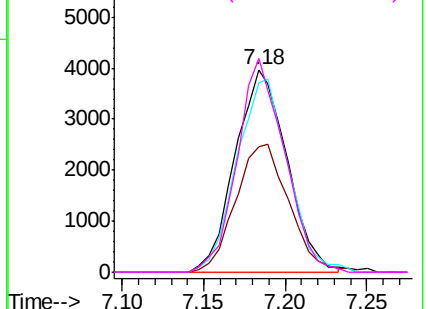


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 1.845 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

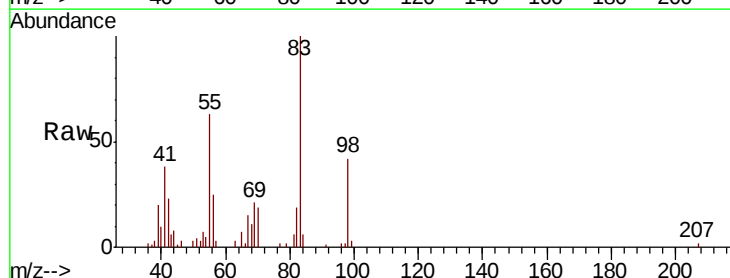
Tgt Ion: 83 Resp: 9968

Ion Ratio Lower Upper

83 100

55 72.3 58.6 87.8

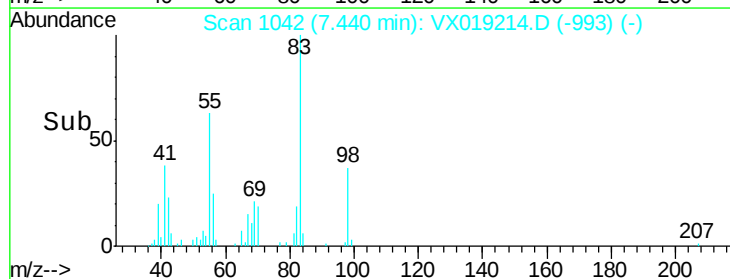
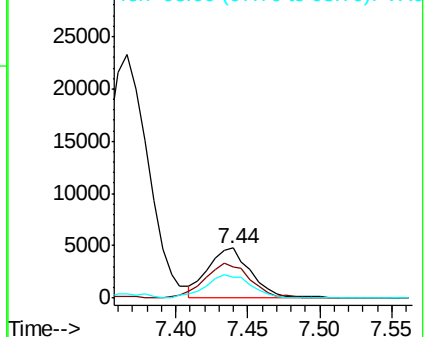
98 49.4 39.0 58.6

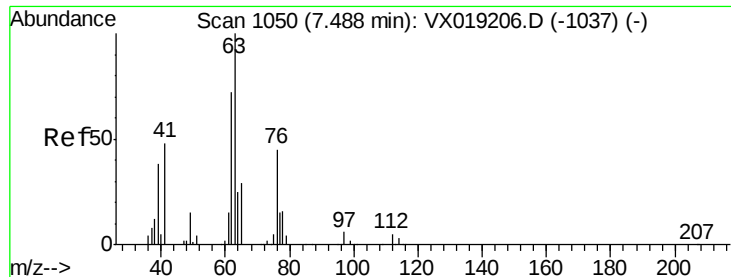


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 2.602 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

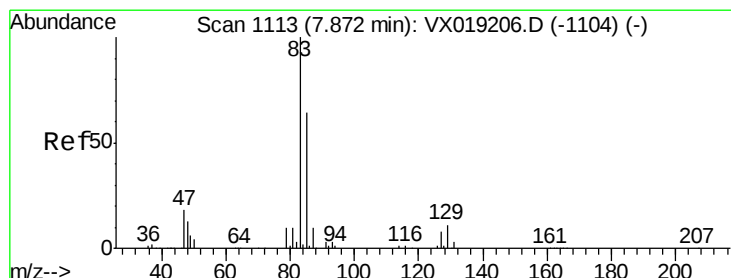
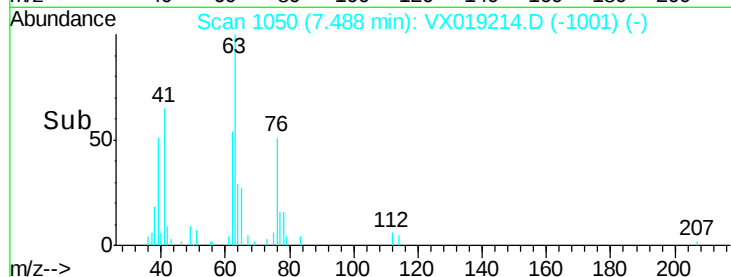
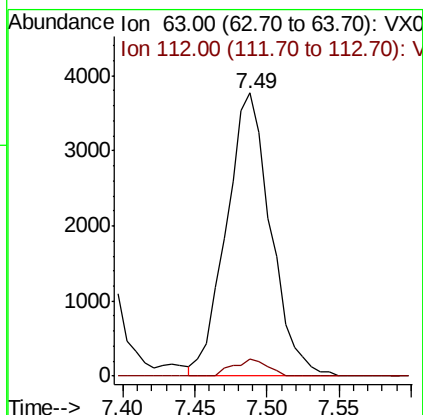
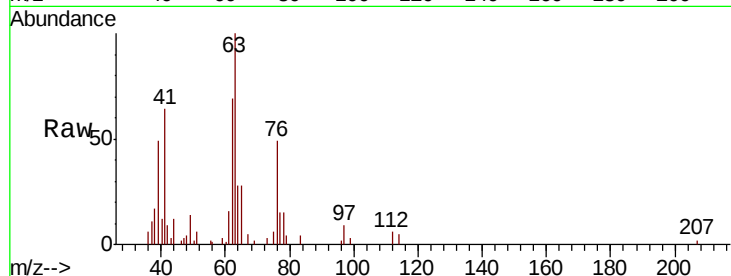
ClientSampleId :

Tot Ion: 63 Resp: 8082

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 2.429 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

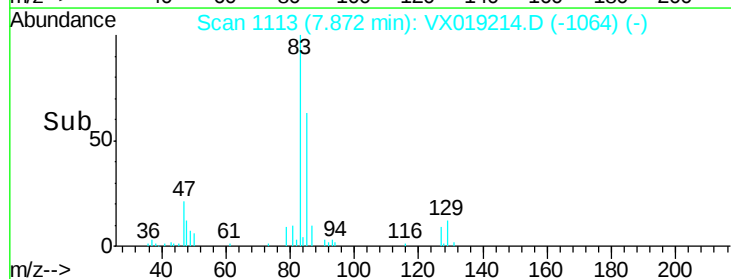
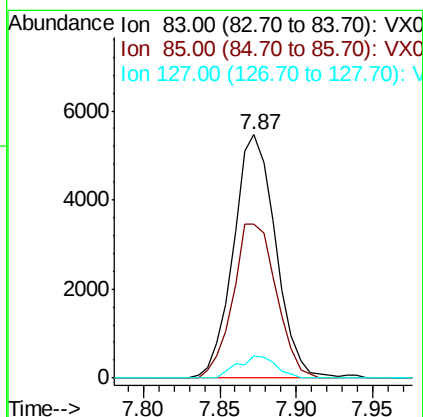
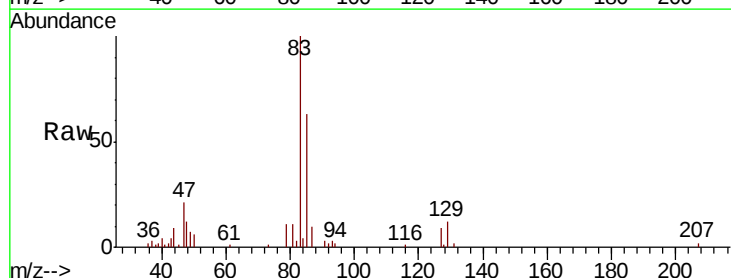
Tgt Ion: 83 Resp: 10492

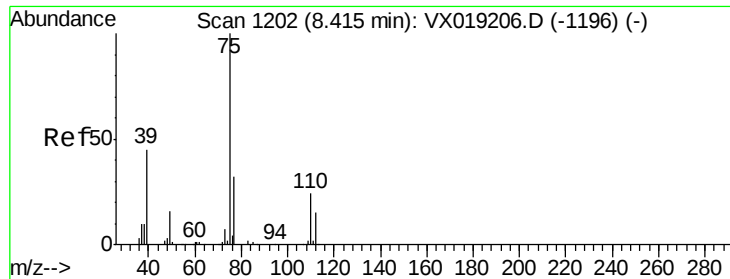
Ion Ratio Lower Upper

83 100

85 63.4 44.6 82.8

127 9.0 6.8 10.2



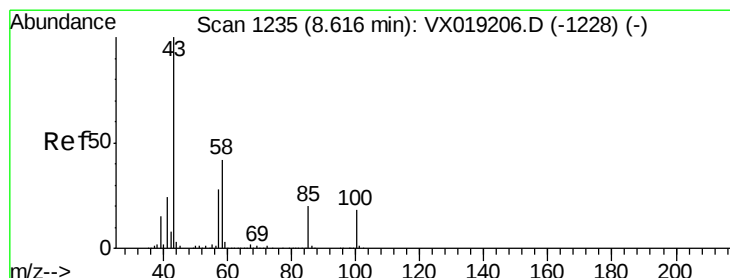
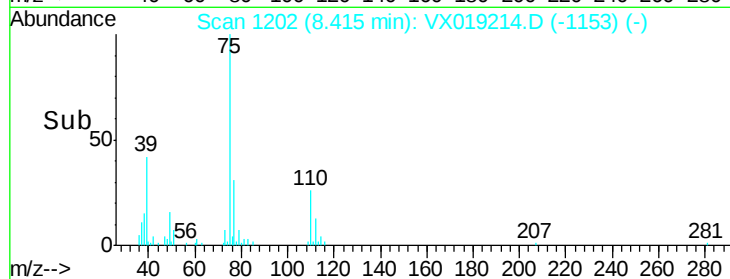
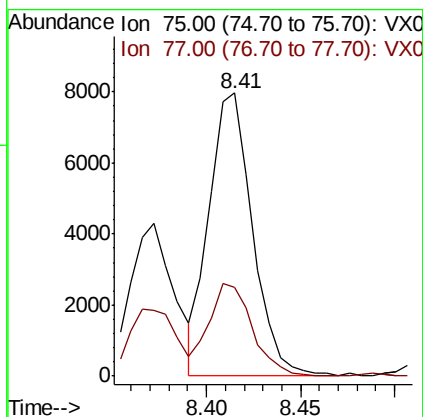
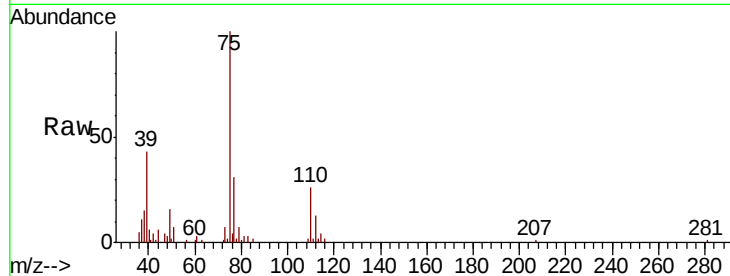


#39

cis-1,3-Dichloropropene
Concen: 2.475 ug/L
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Instrument :
MSVOA_X
ClientSampleId :

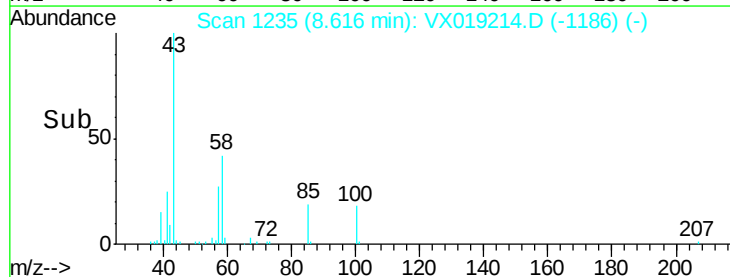
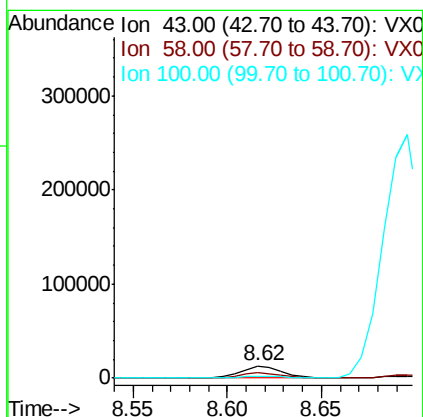
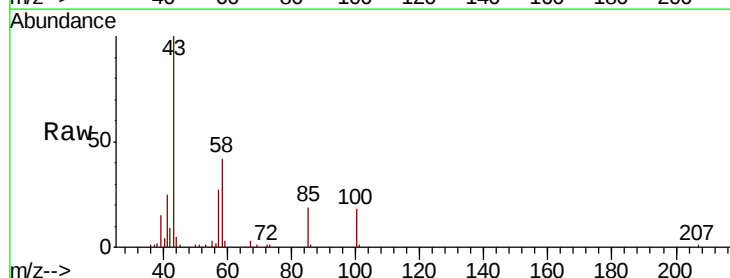
Tot Ion: 75 Resp: 12774
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.7

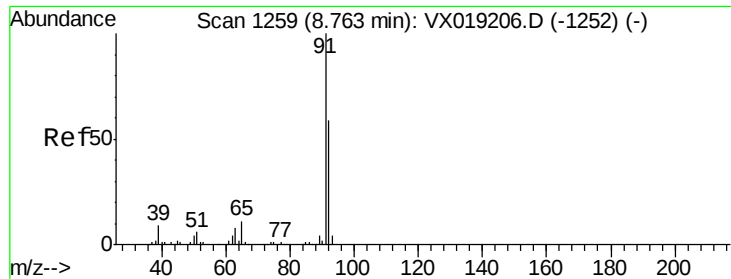


#40

4-Methyl-2-pentanone
Concen: 5.287 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion: 43 Resp: 20084
Ion Ratio Lower Upper
43 100
58 42.9 34.1 51.1
100 18.3 14.8 22.2





#42

Toluene

Concen: 3.181 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

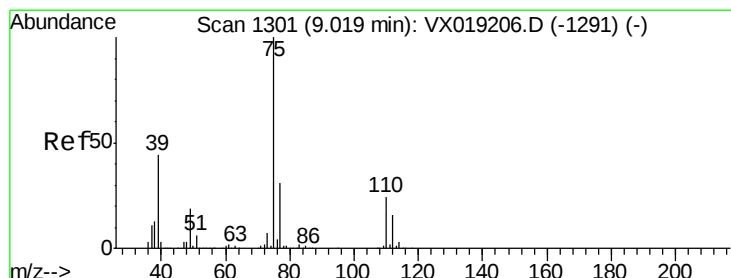
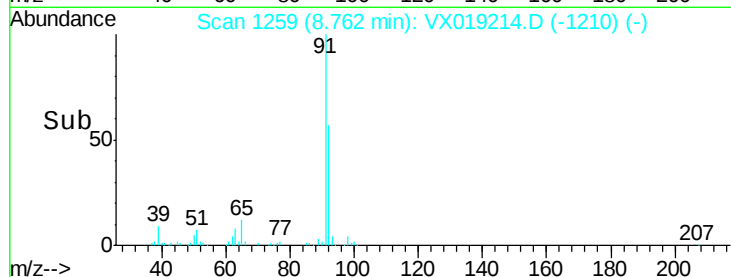
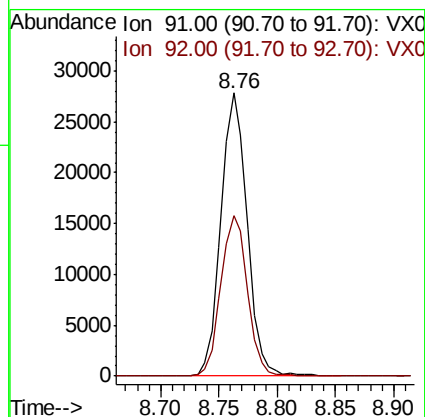
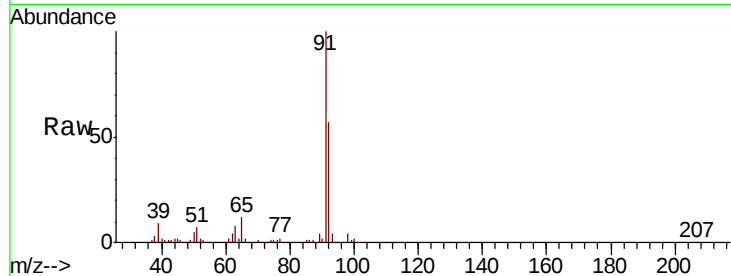
ClientSampled :

Tot Ion: 91 Resp: 43274

Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 2.473 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019214.D

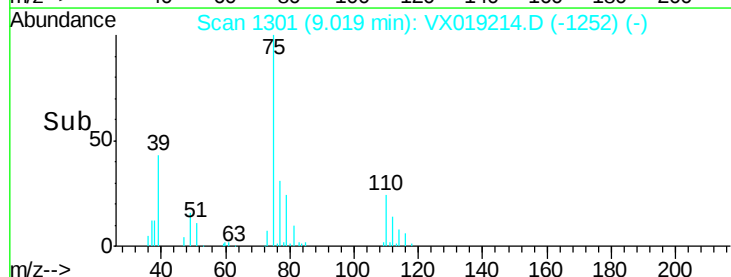
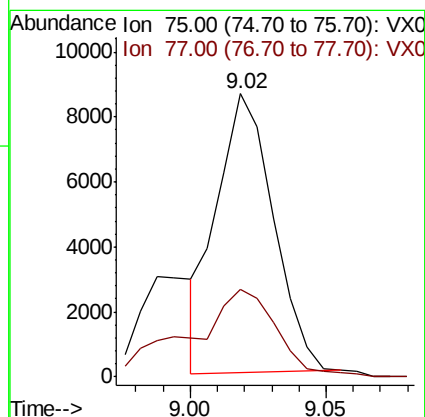
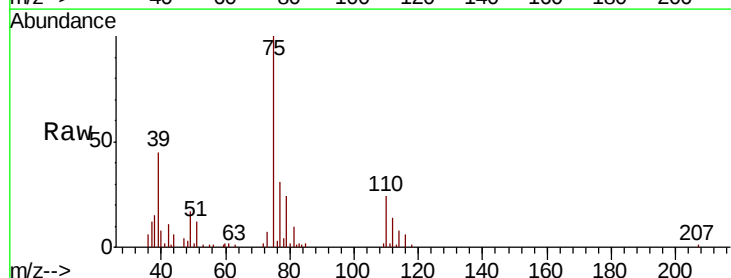
Acq: 02 Nov 2020 16:19

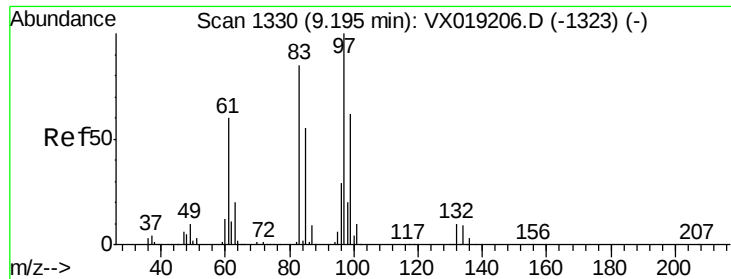
Tgt Ion: 75 Resp: 12435

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6

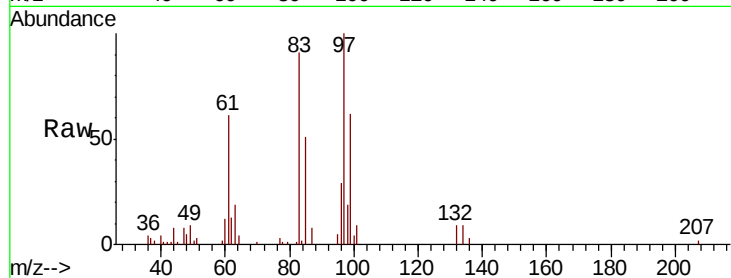




#45
1,1,2-Trichloroethane
Concen: 2.625 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	8011
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.3	80.3
83	90.6	59.4	110.4
85	50.7	38.7	71.9

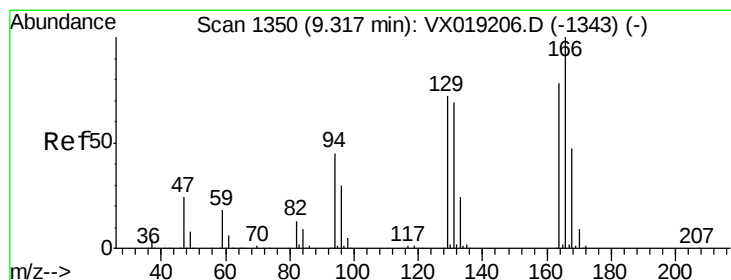
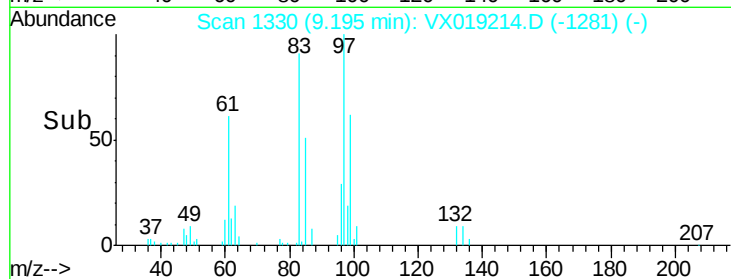
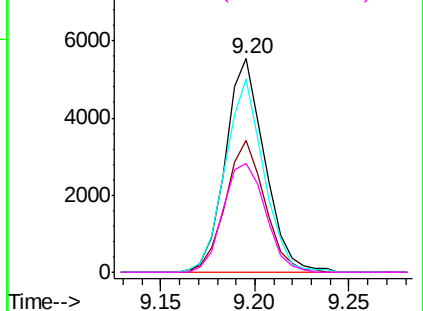


Abundance Ion 97.00 (96.70 to 97.70): VX019214.D (-1323) (-)

Ion 99.00 (98.70 to 99.70): VX019214.D (-1323) (-)

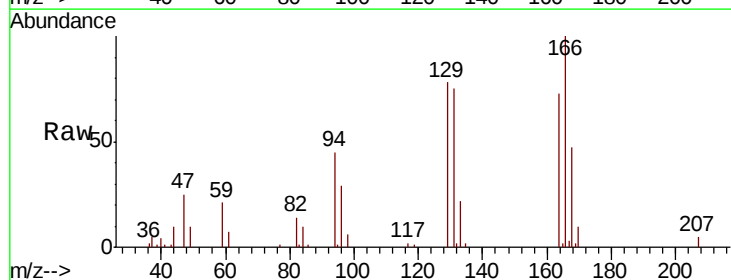
Ion 83.00 (82.70 to 83.70): VX019214.D (-1323) (-)

Ion 85.00 (84.70 to 85.70): VX019214.D (-1323) (-)



#46
Tetrachloroethene
Concen: 2.303 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion:	164	Resp:	5931
Ion	Ratio	Lower	Upper
164	100		
129	106.2	65.2	121.2
131	102.3	62.5	116.1
166	136.6	90.2	167.6

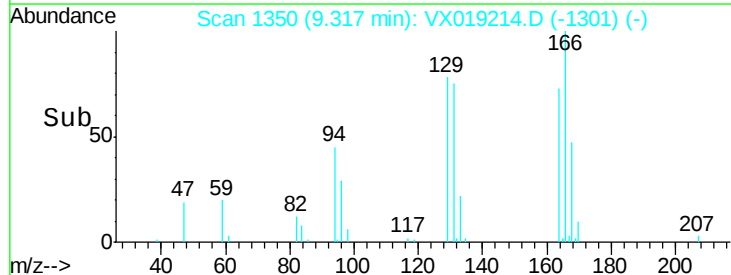
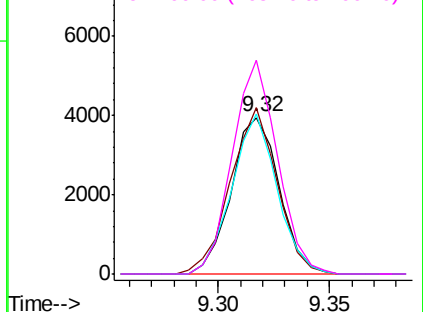


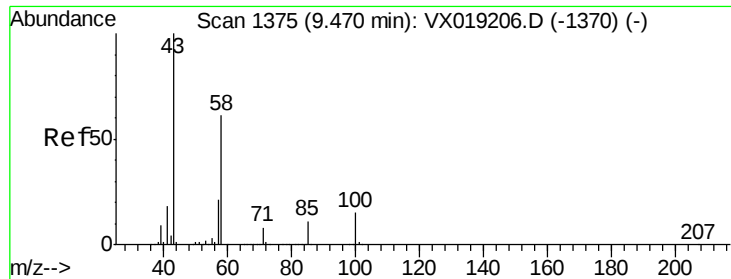
Abundance Ion 164.00 (163.70 to 164.70): VX019214.D (-1301) (-)

Ion 129.00 (128.70 to 129.70): VX019214.D (-1301) (-)

Ion 131.00 (130.70 to 131.70): VX019214.D (-1301) (-)

Ion 166.00 (165.70 to 166.70): VX019214.D (-1301) (-)

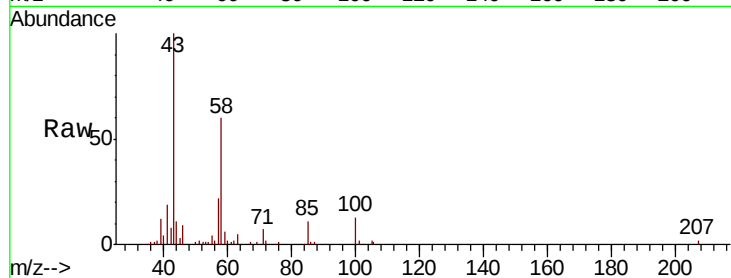




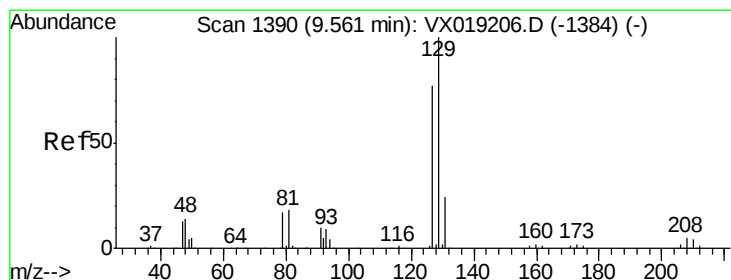
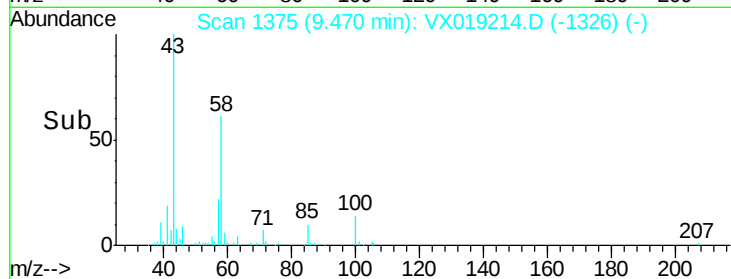
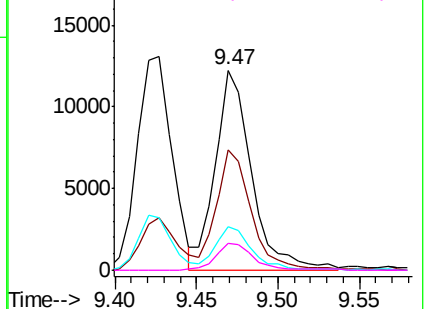
#48
2-Hexanone
Concen: 6.388 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	19120
Ion	Ratio	Lower	Upper
43	100		
58	54.6	48.2	72.2
57	21.4	17.1	25.7
100	13.7	11.8	17.8

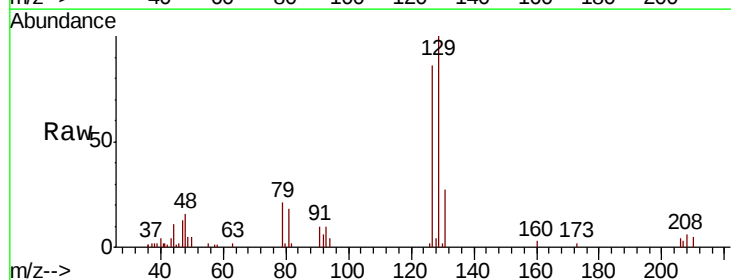


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

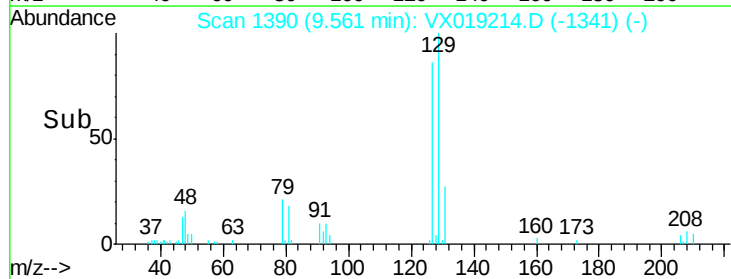
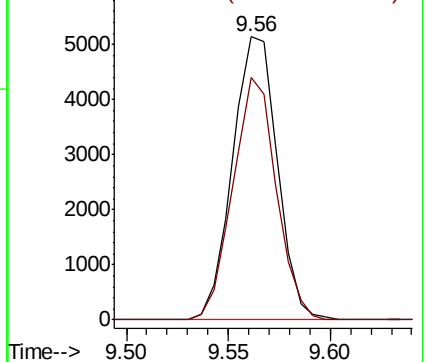


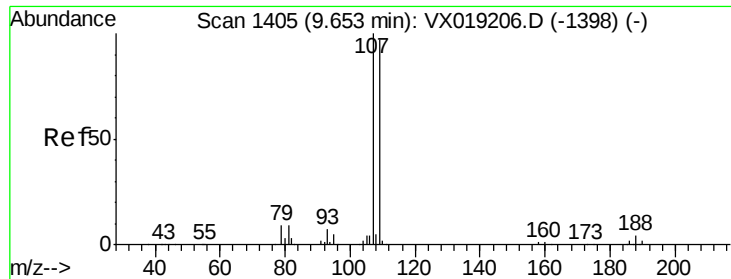
#49
Dibromochloromethane
Concen: 2.351 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion:	129	Resp:	7848
Ion	Ratio	Lower	Upper
129	100		
127	85.8	54.0	100.2



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





#50

1,2-Dibromoethane

Concen: 2.571 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

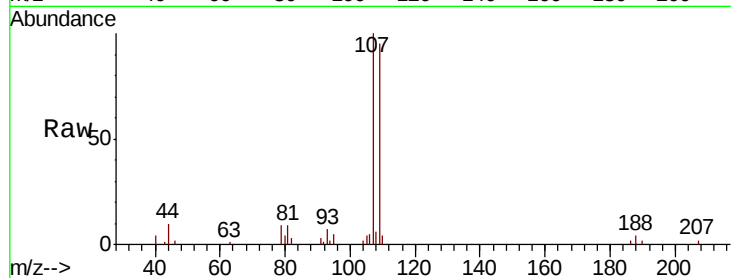
Tot Ion:107 Resp: 8204

Ion Ratio Lower Upper

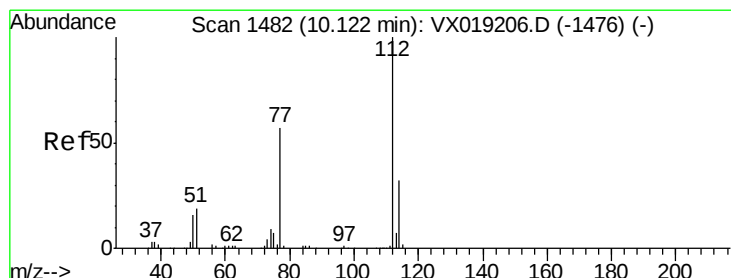
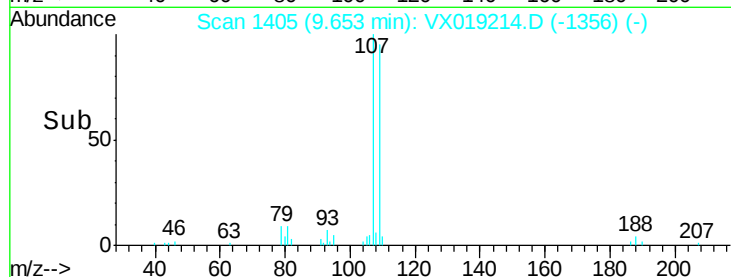
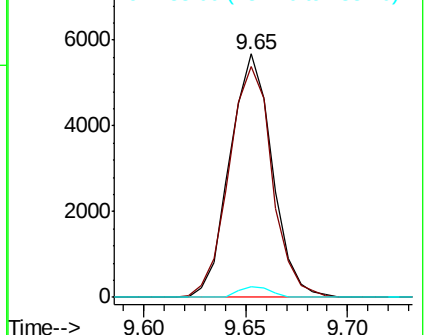
107 100

109 94.6 68.1 126.5

188 4.1 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: 2.594 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

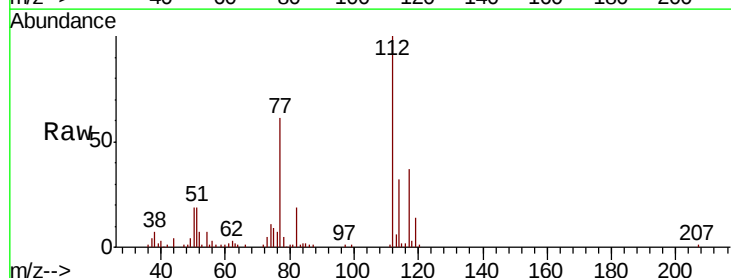
Tgt Ion:112 Resp: 21944

Ion Ratio Lower Upper

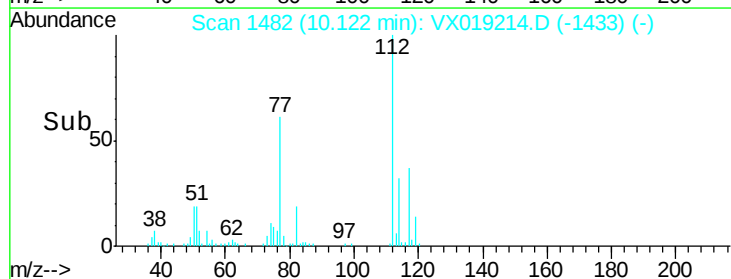
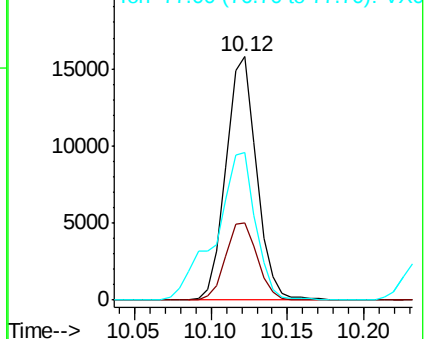
112 100

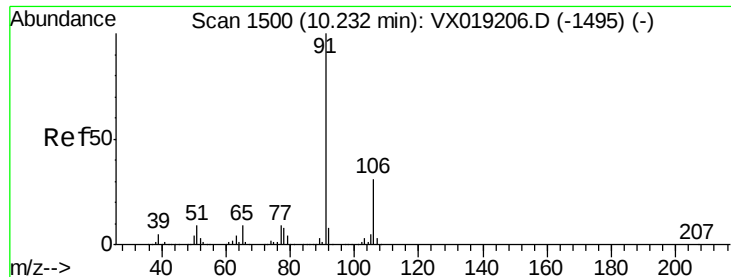
114 31.8 22.2 41.2

77 60.9 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): V





#52

Ethylbenzene

Concen: 2.508 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

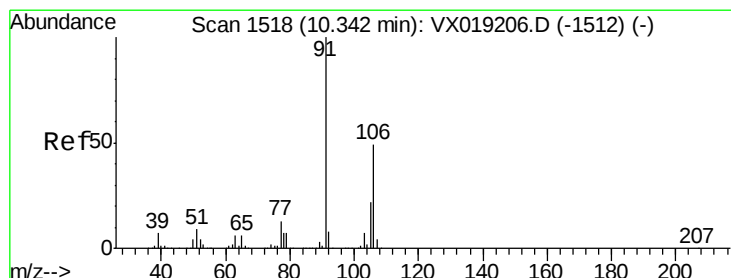
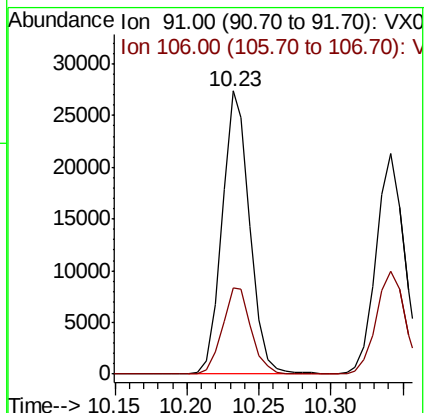
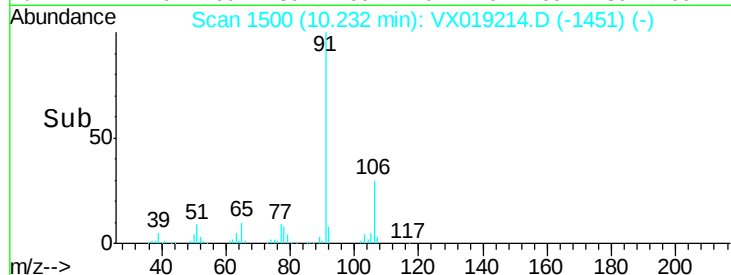
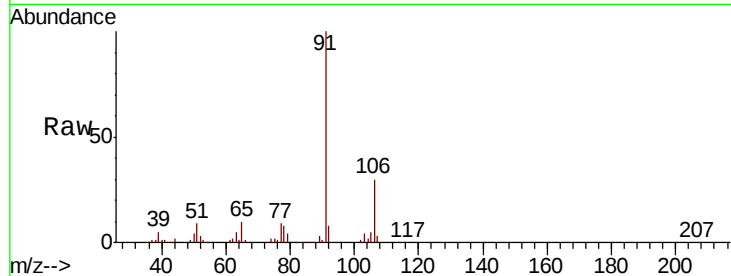
ClientSampled :

Tot Ion: 91 Resp: 36874

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#53

m,p-Xylene

Concen: 2.486 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019214.D

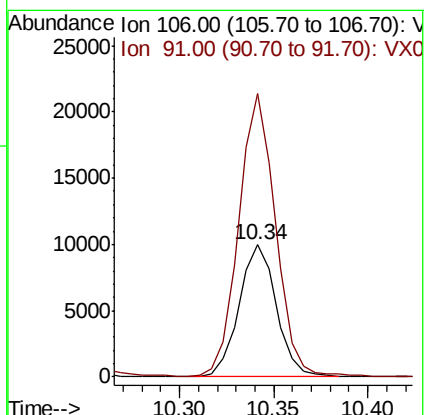
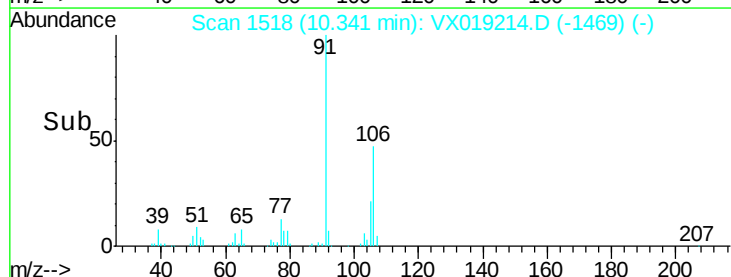
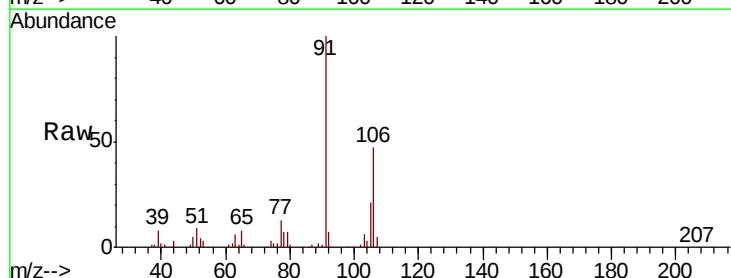
Acq: 02 Nov 2020 16:19

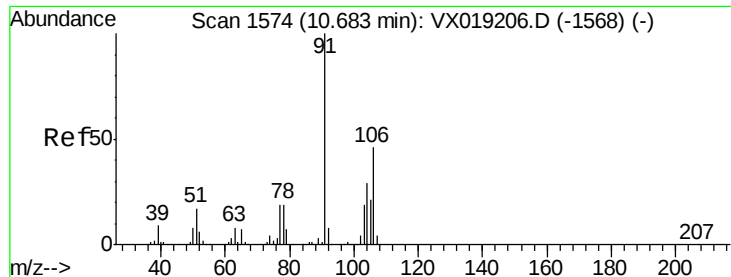
Tgt Ion: 106 Resp: 13736

Ion Ratio Lower Upper

106 100

91 214.7 144.2 267.8

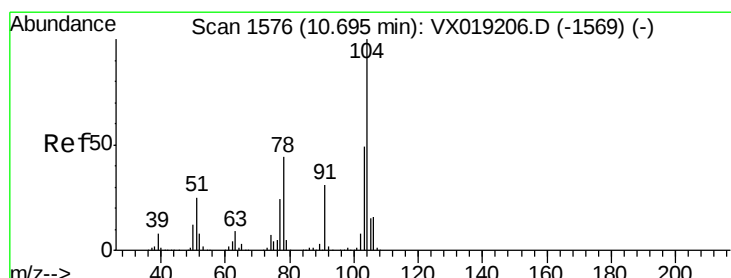
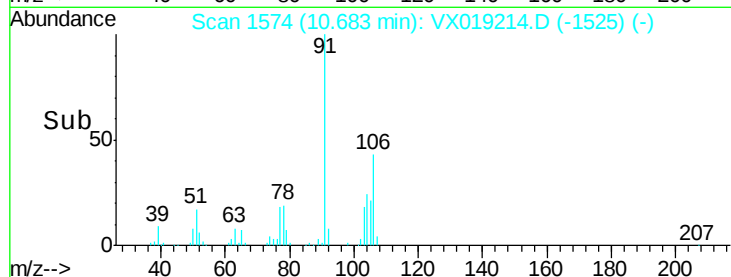
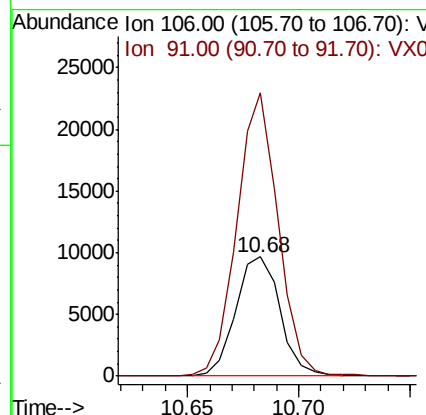
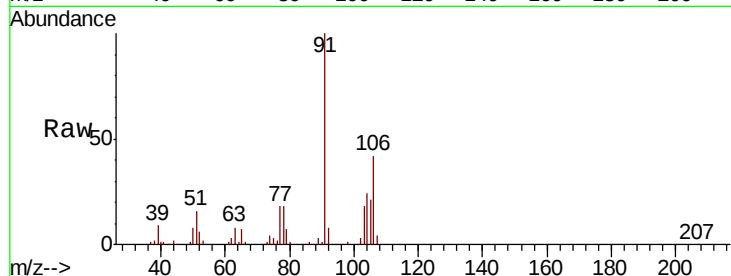




#54
o-Xylene
Concen: 2.500 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

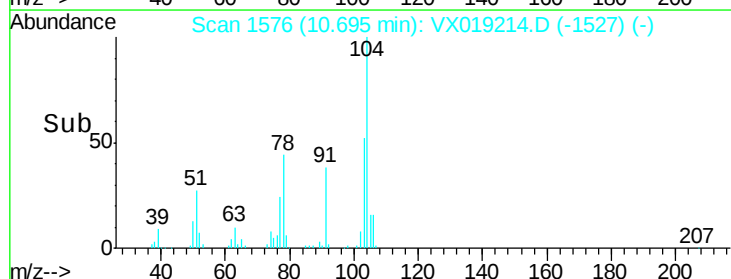
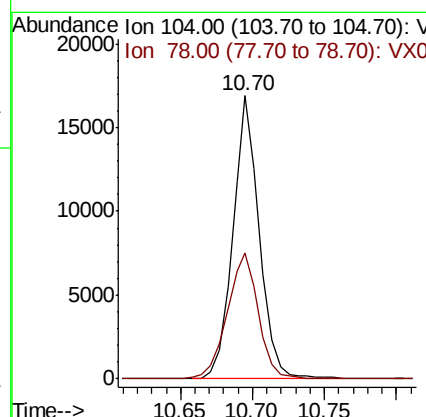
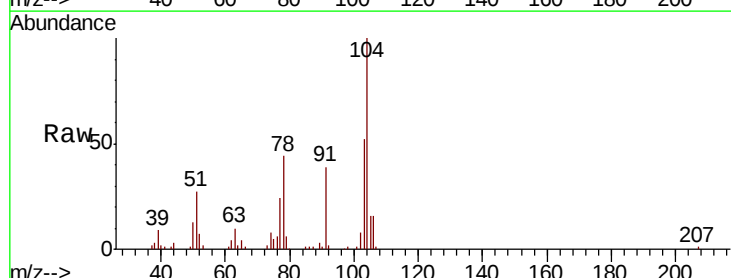
Instrument :
MSVOA_X
ClientSampled :

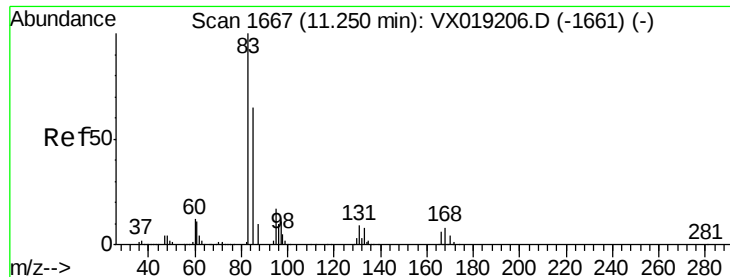
Tot Ion:106 Resp: 13370
Ion Ratio Lower Upper
106 100
91 237.5 153.3 284.7



#55
Styrene
Concen: 2.394 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019214.D
Acq: 02 Nov 2020 16:19

Tgt Ion:104 Resp: 21602
Ion Ratio Lower Upper
104 100
78 44.4 30.9 57.5

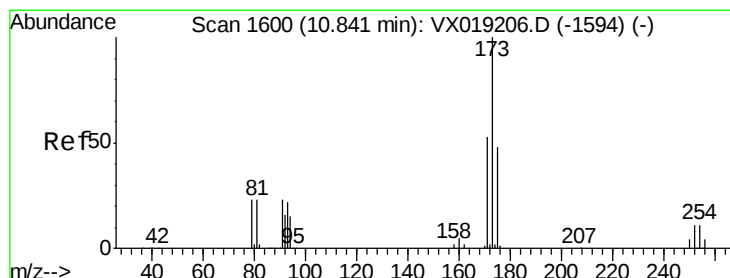
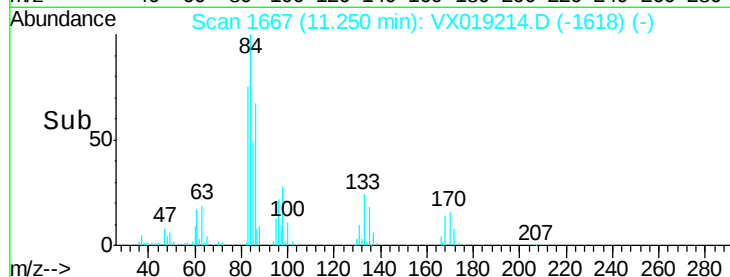
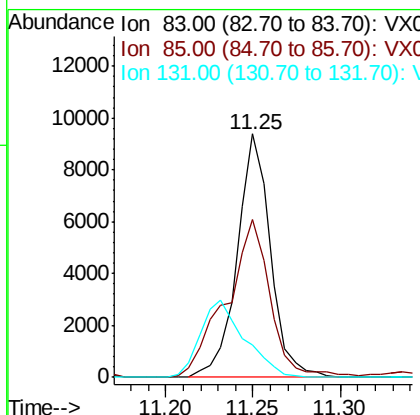
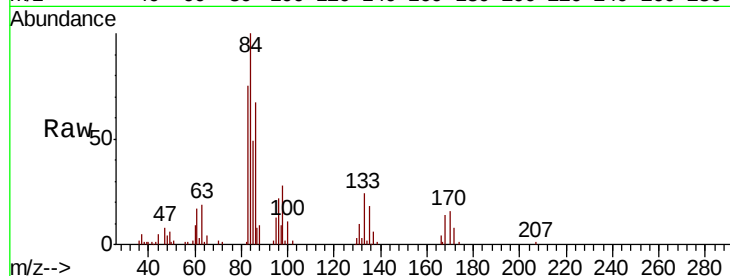




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.972 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX019214.D
 Acq: 02 Nov 2020 16:19

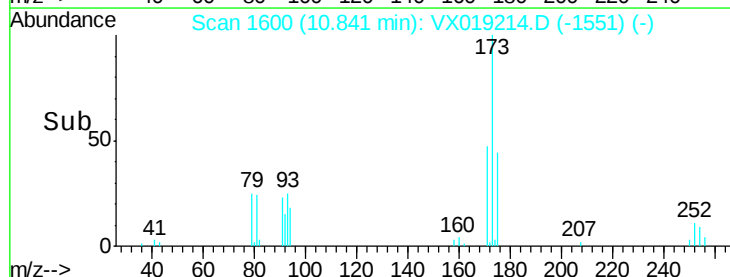
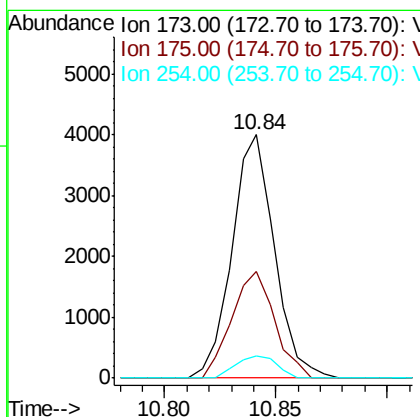
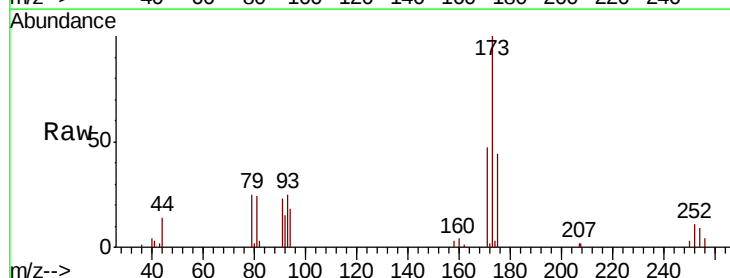
Instrument :
 MSVOA_X
 ClientSampleId :

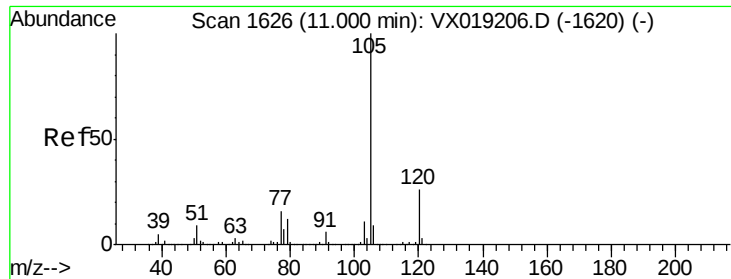
Tot Ion: 83 Resp: 12431
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.9 85.3
 131 13.2 7.7 11.5#



#59
 Bromoform
 Concen: 2.371 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX019214.D
 Acq: 02 Nov 2020 16:19

Tgt Ion: 173 Resp: 5293
 Ion Ratio Lower Upper
 173 100
 175 44.3 39.7 59.5
 254 8.8 8.2 12.4





#60

Isopropylbenzene

Concen: 2.453 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

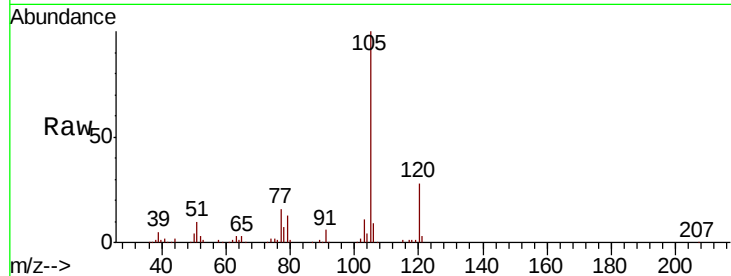
Tot Ion:105 Resp: 34306

Ion Ratio Lower Upper

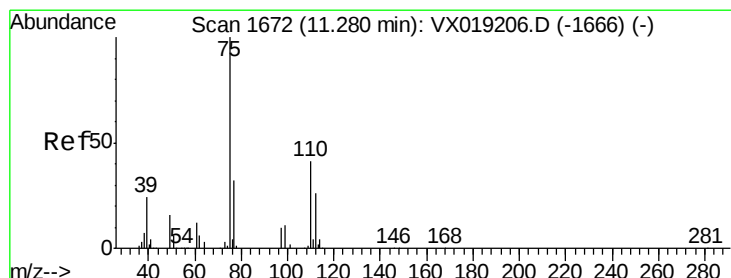
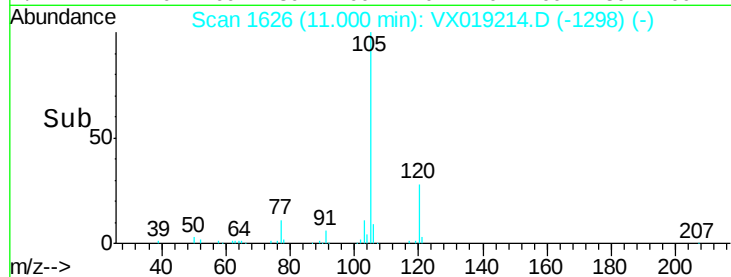
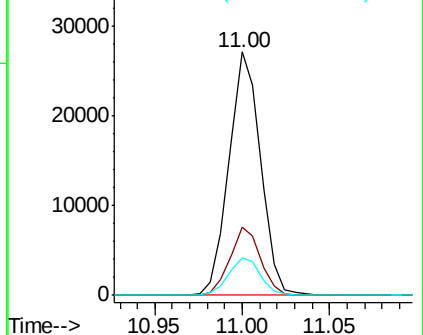
105 100

120 27.2 21.1 31.7

77 15.5 12.6 19.0



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: 2.728 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

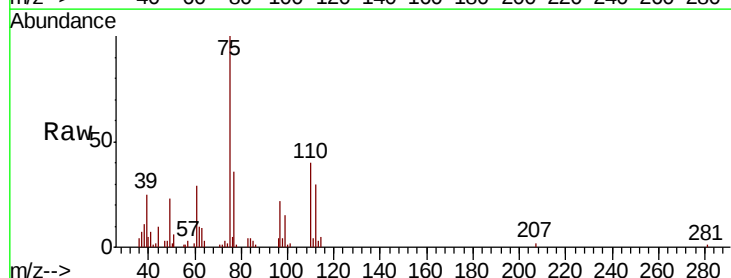
Tgt Ion: 75 Resp: 9577

Ion Ratio Lower Upper

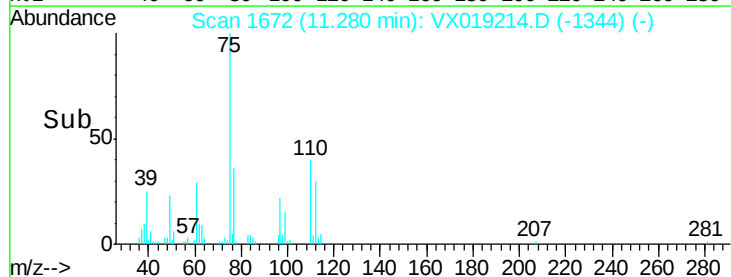
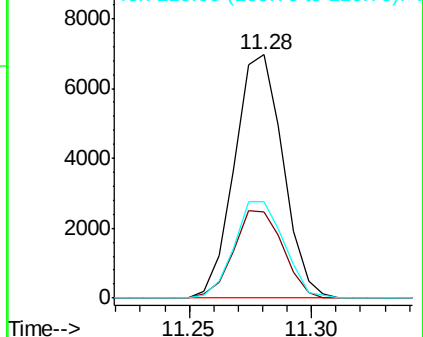
75 100

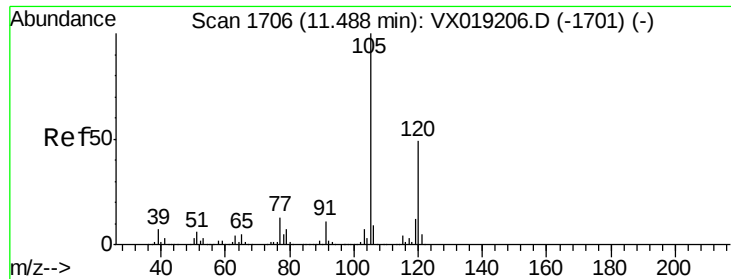
77 36.5 25.4 38.0

110 40.9 32.2 48.2



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: 2.430 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

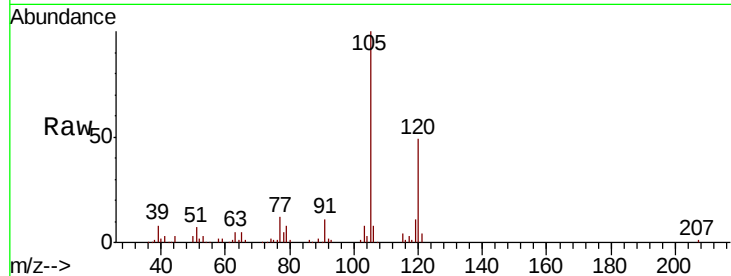
ClientSampled :

Tot Ion:105 Resp: 27955

Ion Ratio Lower Upper

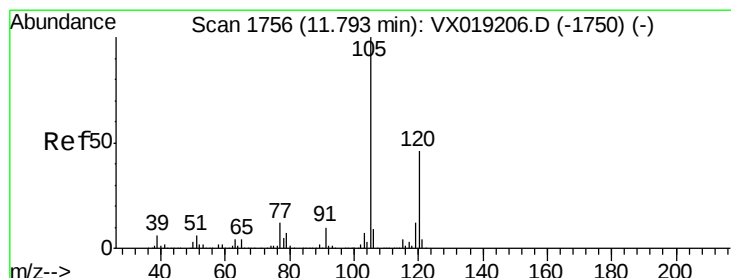
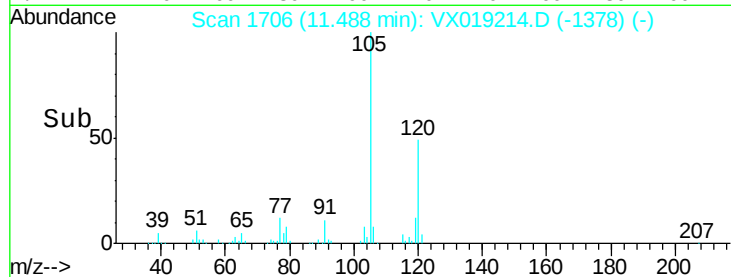
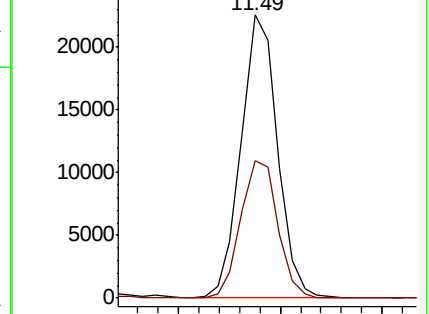
105 100

120 49.6 38.8 58.2



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: 2.489 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019214.D

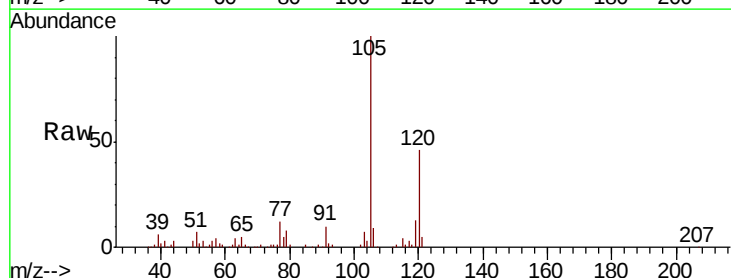
Acq: 02 Nov 2020 16:19

Tgt Ion:105 Resp: 27089

Ion Ratio Lower Upper

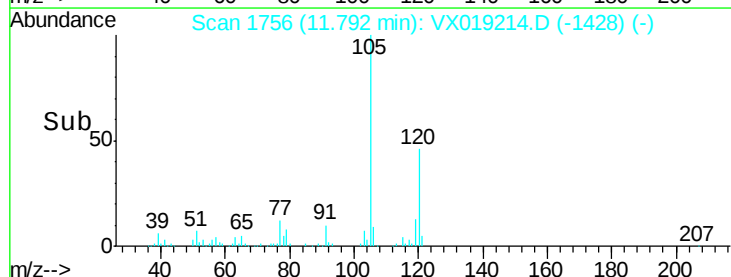
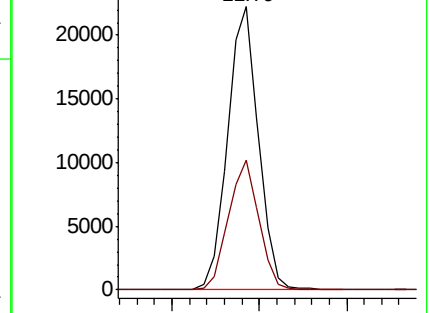
105 100

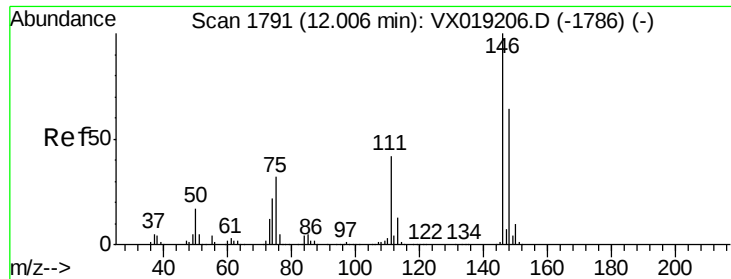
120 45.3 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.572 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

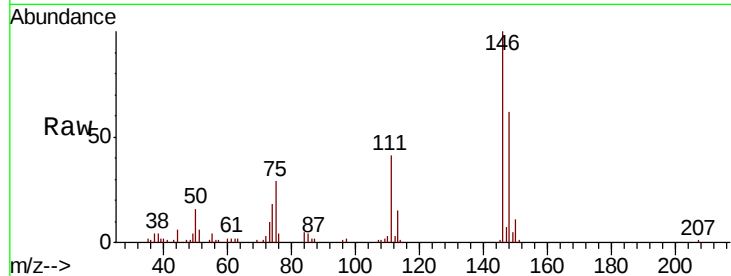
Tot Ion:146 Resp: 15529

Ion Ratio Lower Upper

146 100

111 41.1 29.7 55.1

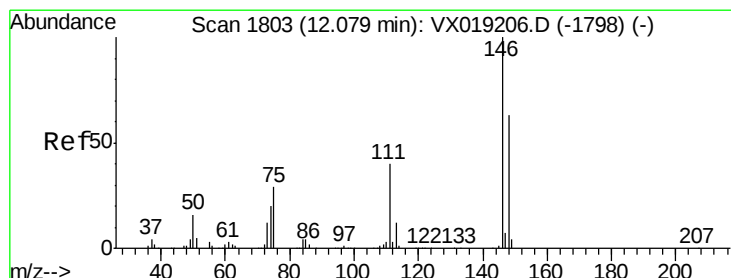
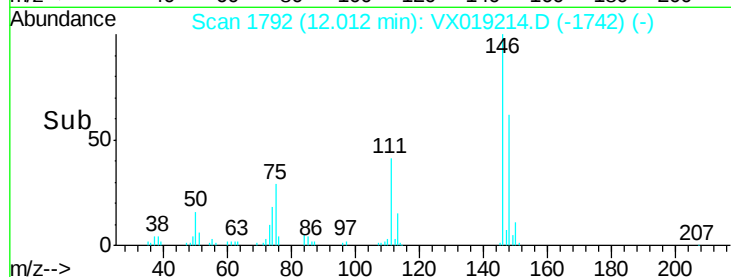
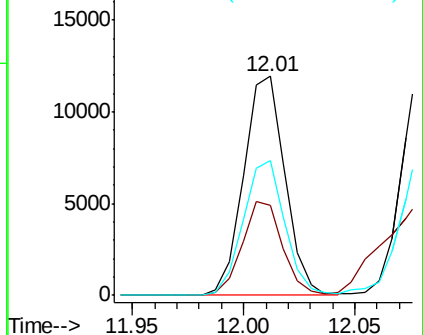
148 61.8 44.5 82.7



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: 2.611 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

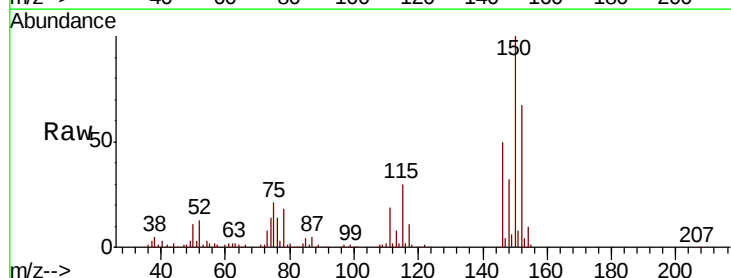
Tgt Ion:146 Resp: 15997

Ion Ratio Lower Upper

146 100

111 38.5 28.1 52.3

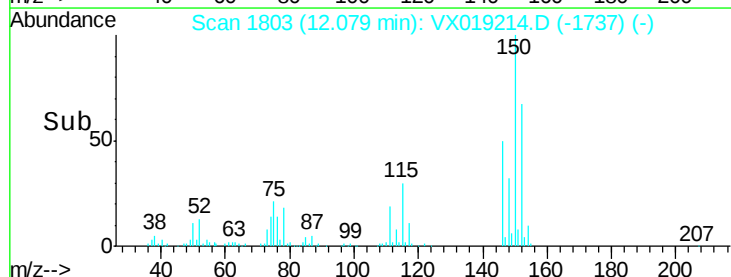
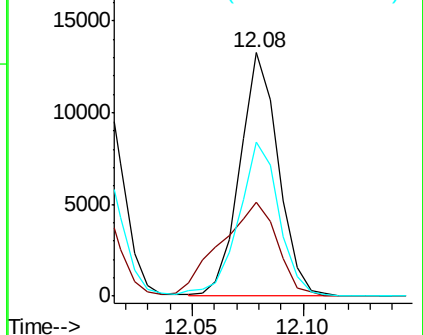
148 63.5 43.8 81.4

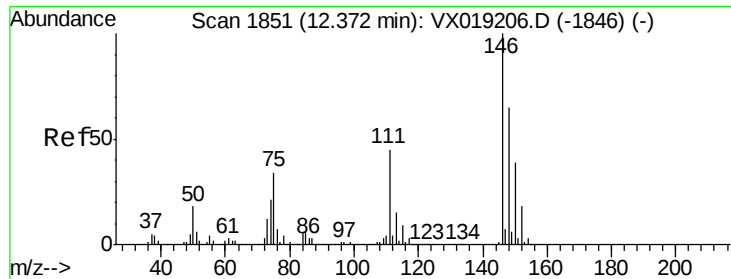


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

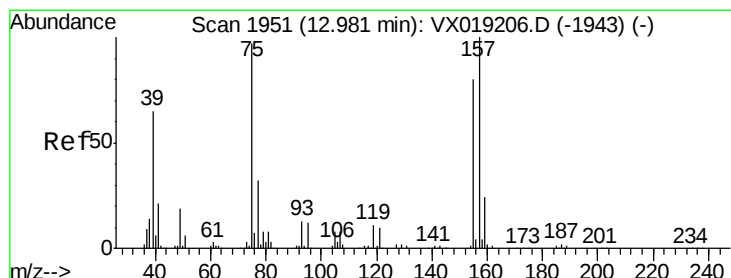
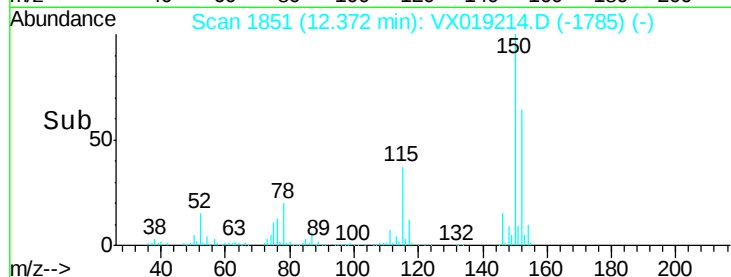
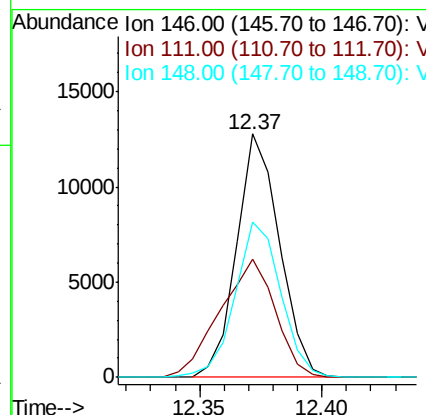
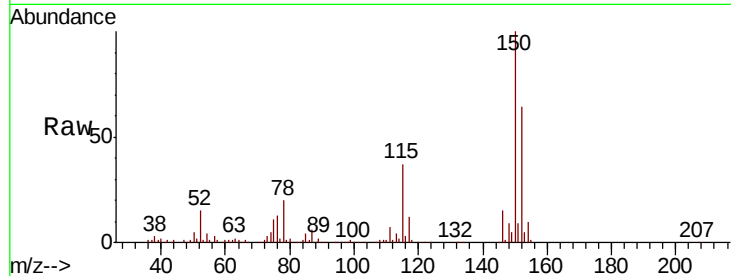




#67
 1,2-Dichlorobenzene
 Concen: 2.660 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019214.D
 Acq: 02 Nov 2020 16:19

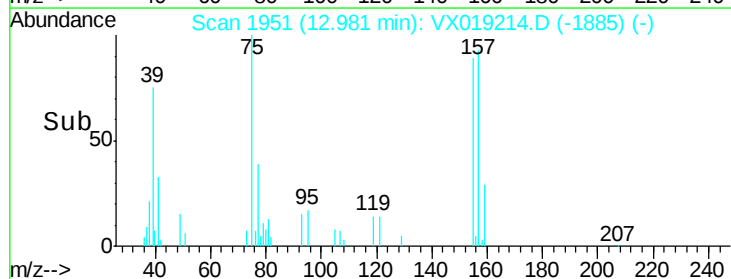
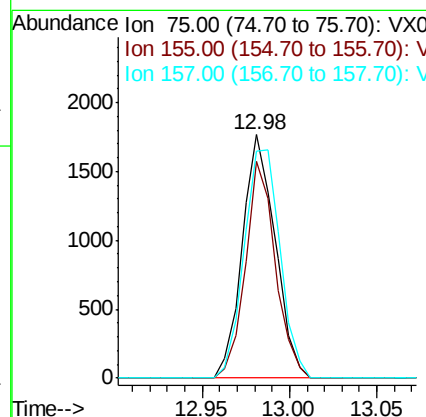
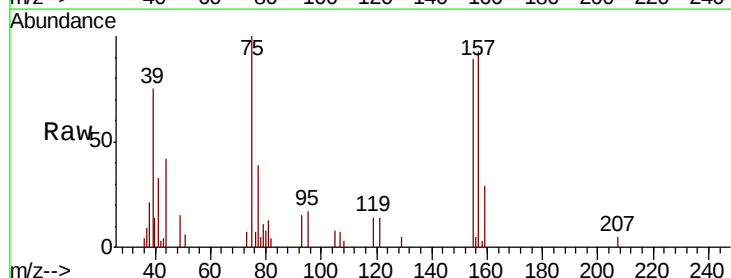
Instrument :
 MSVOA_X
 ClientSampleId :

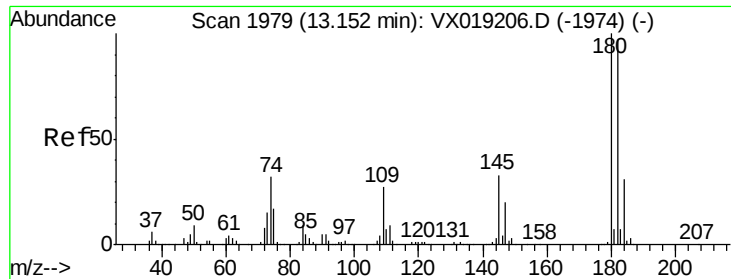
Tot Ion:146 Resp: 15553
 Ion Ratio Lower Upper
 146 100
 111 48.3 35.9 53.9
 148 63.9 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.406 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019214.D
 Acq: 02 Nov 2020 16:19

Tgt Ion: 75 Resp: 2300
 Ion Ratio Lower Upper
 75 100
 155 88.8 65.8 98.8
 157 93.4 82.6 123.8

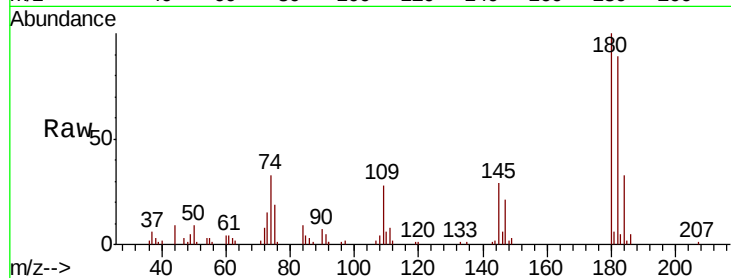




#69
 1,3,5-Trichlorobenzene
 Concen: 2.367 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019214.D
 Acq: 02 Nov 2020 16:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.8	118.2
184	30.5	25.2	37.8
145	29.5	25.8	38.6



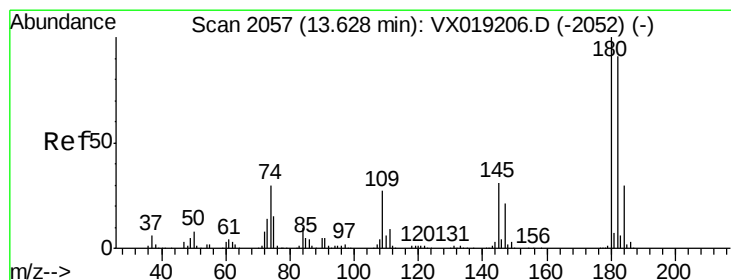
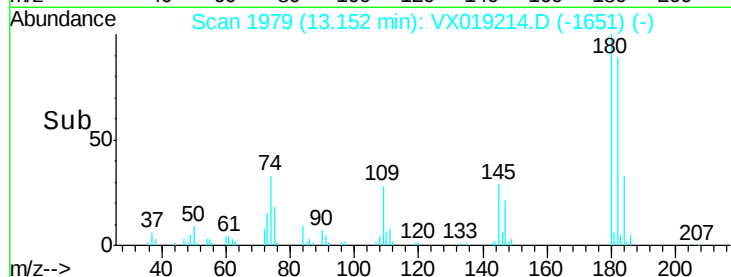
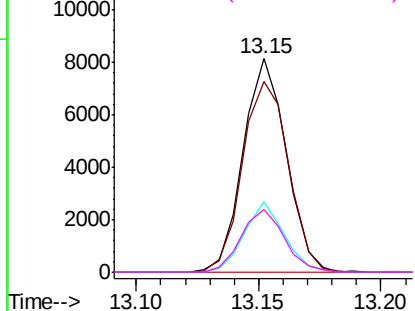
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

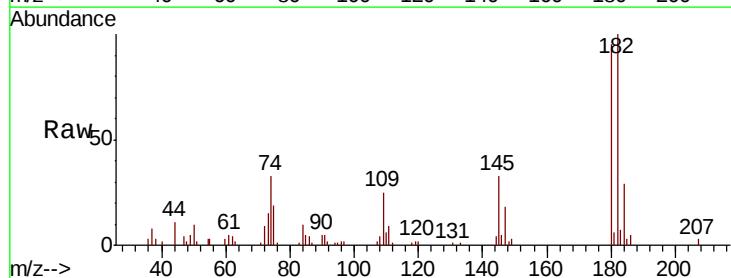
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.254 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019214.D
 Acq: 02 Nov 2020 16:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	74.6	111.8
145	32.3	25.4	38.0

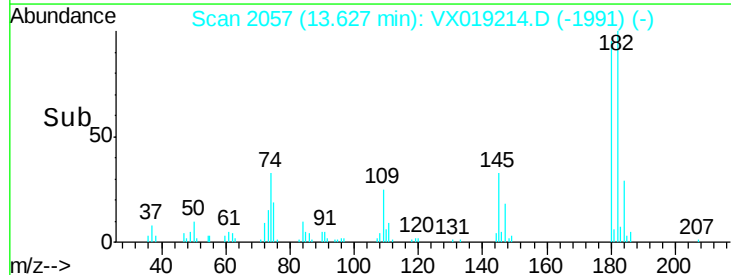
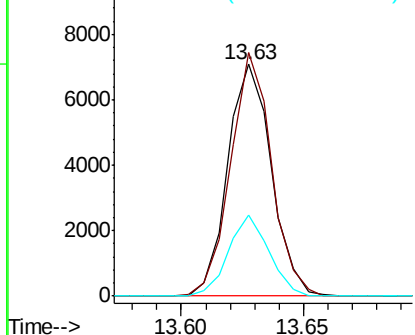


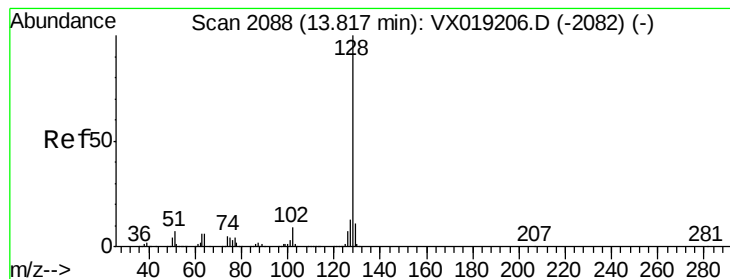
Abundance

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: 2.286 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

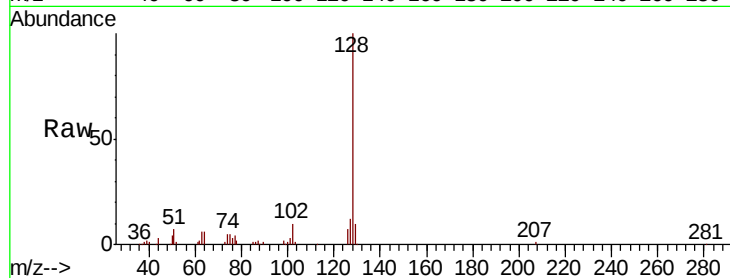
Tot Ion:128 Resp: 28815

Ion Ratio Lower Upper

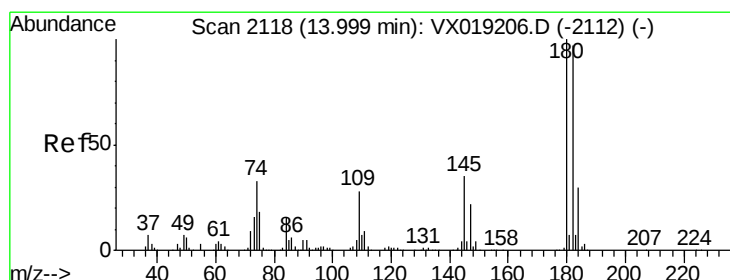
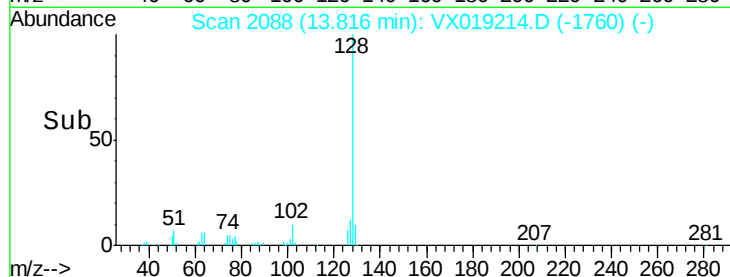
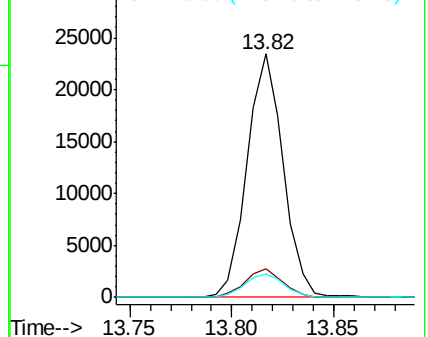
128 100

127 12.1 10.1 15.1

129 10.5 8.5 12.7



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: 2.342 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019214.D

Acq: 02 Nov 2020 16:19

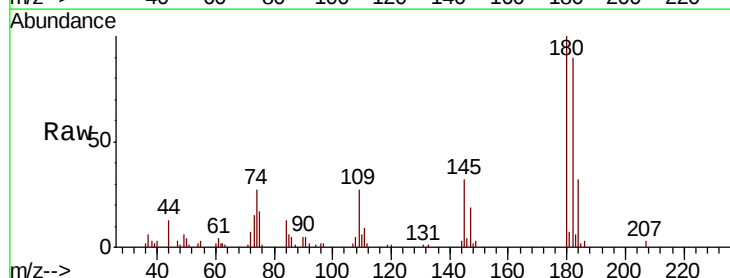
Tgt Ion:180 Resp: 8934

Ion Ratio Lower Upper

180 100

182 95.1 75.3 112.9

145 33.5 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

