

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019220.D
 Acq On : 03 Nov 2020 09:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 01:16:42 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	482429	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	469827	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	216605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	198214	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.44%
7) Chloroethane-d5	1.70	69	155231	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.34	63	340173	49.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.28%
21) 2-Butanone-d5	4.53	46	223053	105.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.27%
24) Chloroform-d	5.14	84	332380	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	6.03	65	226387	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
32) Benzene-d6	6.04	84	687132	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	7.36	67	205160	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.30%
41) Toluene-d8	8.70	98	662443	44.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.48%
43) trans-1,3-Dichloropropene-	8.99	79	111143	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
47) 2-Hexanone-d5	9.42	63	180262	101.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.34%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	249189	49.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.10%
66) 1,2-Dichlorobenzene-d4	12.36	152	215877	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	159000	51.999	ug/L	99
3) Chloromethane	1.31	50	160615	51.707	ug/L	100
5) Vinyl chloride	1.39	62	183940	52.534	ug/L	99
6) Bromomethane	1.64	94	120308	51.996	ug/L	98
8) Chloroethane	1.72	64	116946	53.593	ug/L	100
9) Trichlorofluoromethane	1.92	101	275353	53.007	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	161069	53.760	ug/L	99
12) 1,1-Dichloroethene	2.36	96	149572	51.446	ug/L #	78
13) Acetone	2.43	43	134550	102.754	ug/L	98
14) Carbon disulfide	2.55	76	453427	51.678	ug/L	99
15) Methyl Acetate	2.75	43	154494	54.064	ug/L	98
16) Methylene chloride	2.84	84	168471	51.964	ug/L	97
17) trans-1,2-Dichloroethene	3.14	96	162976	52.144	ug/L	99
18) Methyl tert-butyl Ether	3.16	73	522111	52.844	ug/L	100
19) 1,1-Dichloroethane	3.67	63	289339	52.099	ug/L	99
20) cis-1,2-Dichloroethene	4.56	96	179743	52.359	ug/L	97
22) 2-Butanone	4.64	43	223873	108.257	ug/L	99

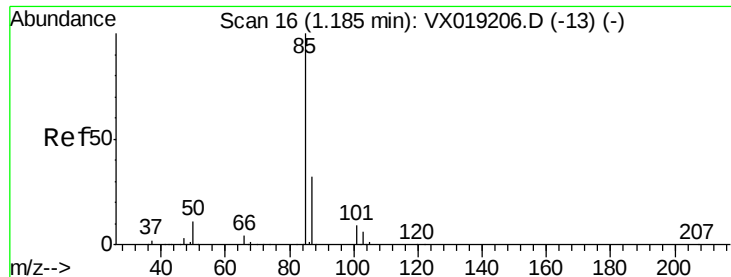
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019220.D
 Acq On : 03 Nov 2020 09:20
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 14:52:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	89936	52.018	ug/L	89
25) Chloroform	5.17	83	318099	54.567	ug/L	99
27) 1,2-Dichloroethane	6.15	62	243036	52.951	ug/L	100
29) Cyclohexane	5.54	56	267677	49.495	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	280428	49.513	ug/L	100
31) Carbon tetrachloride	5.74	117	239932	49.308	ug/L	99
33) Benzene	6.10	78	671582	49.786	ug/L	100
34) Trichloroethene	7.18	95	183101	49.736	ug/L	99
35) Methylcyclohexane	7.43	83	295346	50.684	ug/L	100
37) 1,2-Dichloropropane	7.48	63	164720	49.164	ug/L	100
38) Bromodichloromethane	7.87	83	233046	50.016	ug/L	100
39) cis-1,3-Dichloropropene	8.41	75	280227	50.342	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	432703	105.600	ug/L	100
42) Toluene	8.76	91	746167	50.853	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	278467	51.348	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	169567	51.518	ug/L	98
46) Tetrachloroethene	9.32	164	137226	49.405	ug/L	95
48) 2-Hexanone	9.47	43	350382	108.517	ug/L	99
49) Dibromochloromethane	9.56	129	189164	52.542	ug/L	97
50) 1,2-Dibromoethane	9.65	107	179774	52.224	ug/L	97
51) Chlorobenzene	10.12	112	469452	51.451	ug/L	99
52) Ethylbenzene	10.23	91	827857	52.190	ug/L	100
53) m,p-Xylene	10.34	106	313180	52.556	ug/L	99
54) o-Xylene	10.68	106	299396	51.892	ug/L	96
55) Styrene	10.70	104	514348	52.844	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	229135	50.789	ug/L	99
59) Bromoform	10.84	173	123727	52.732	ug/L	99
60) Isopropylbenzene	11.00	105	822006	55.917	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	193841	52.538	ug/L	100
62) 1,3,5-Trimethylbenzene	11.49	105	664293	54.929	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	626804	54.796	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	339299	53.460	ug/L	100
65) 1,4-Dichlorobenzene	12.08	146	340189	52.824	ug/L	99
67) 1,2-Dichlorobenzene	12.37	146	319859	52.049	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	53514	53.258	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	239755	53.939	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	224444	54.786	ug/L	99
71) Naphthalene	13.82	128	714638	53.949	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	218001	54.381	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.999 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

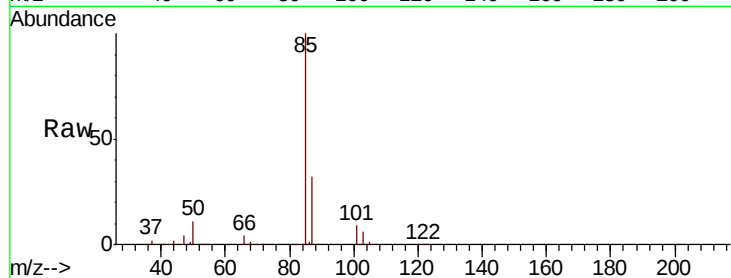
ClientSampleId :

Tot Ion: 85 Resp: 159000

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

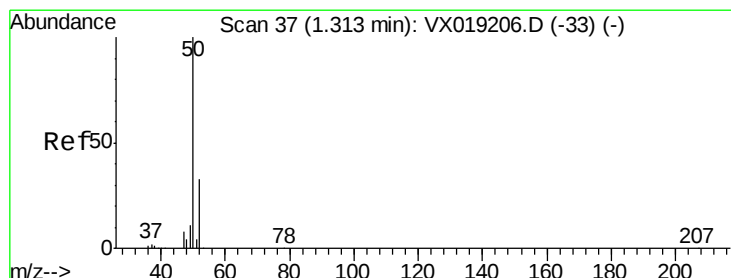
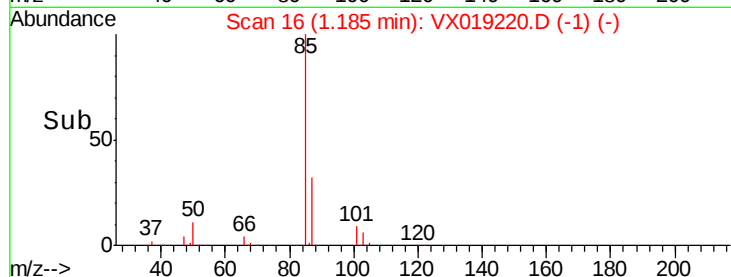
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.707 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019220.D

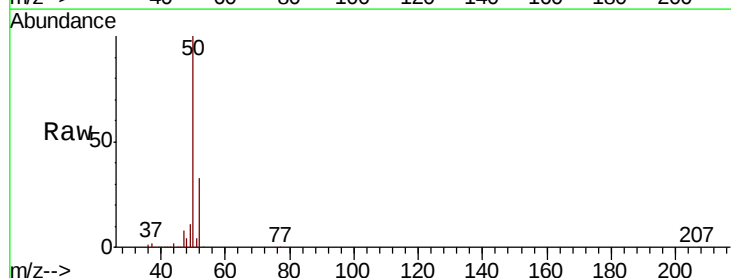
Acq: 03 Nov 2020 09:20

Tgt Ion: 50 Resp: 160615

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.31

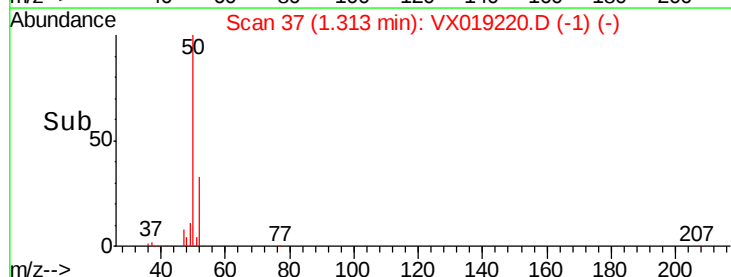
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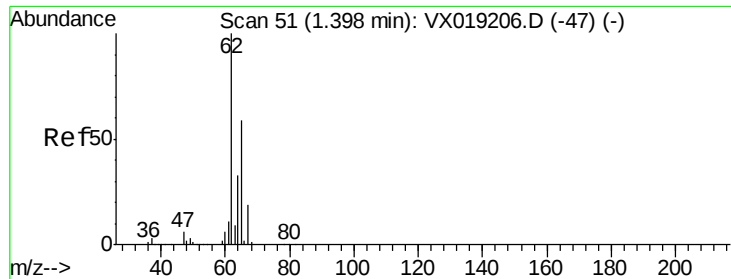
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.534 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

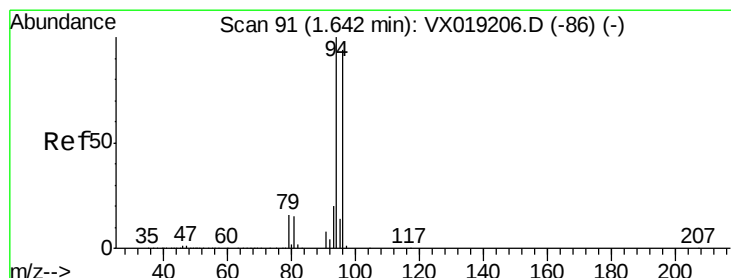
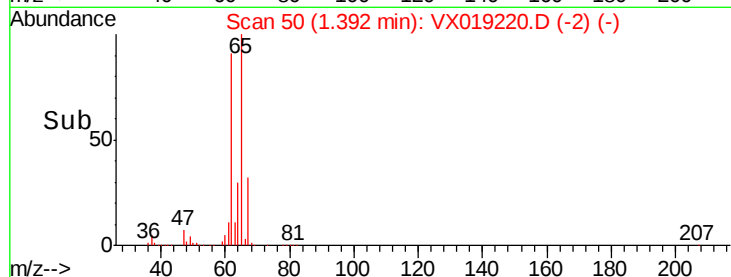
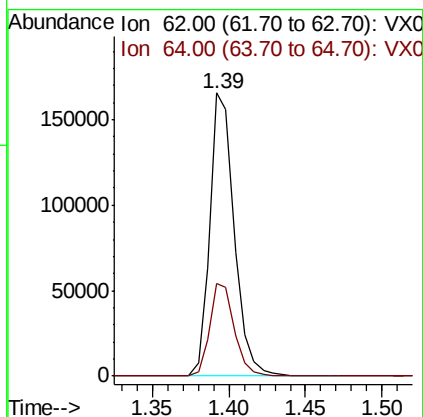
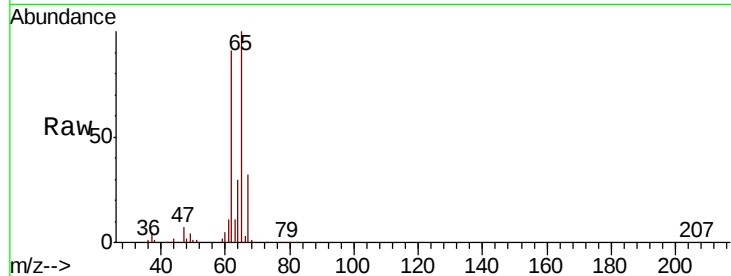
ClientSampleId :

Tot Ion: 62 Resp: 183940

Ion Ratio Lower Upper

62 100

64 32.7 23.4 43.6



#6

Bromomethane

Concen: 51.996 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX019220.D

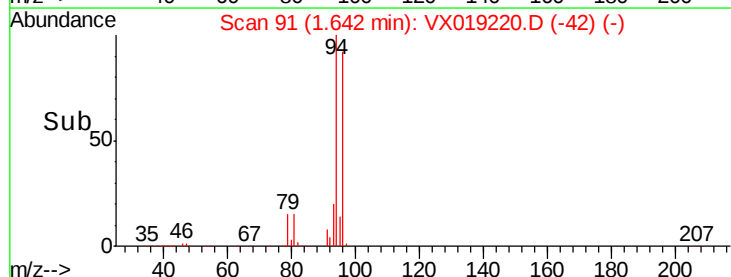
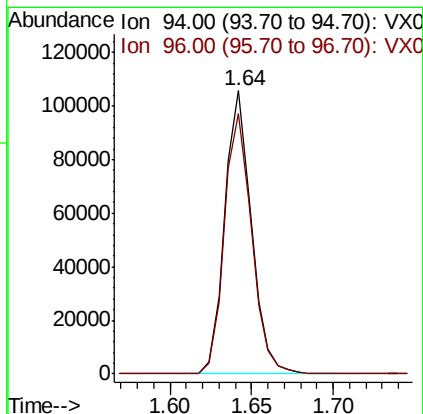
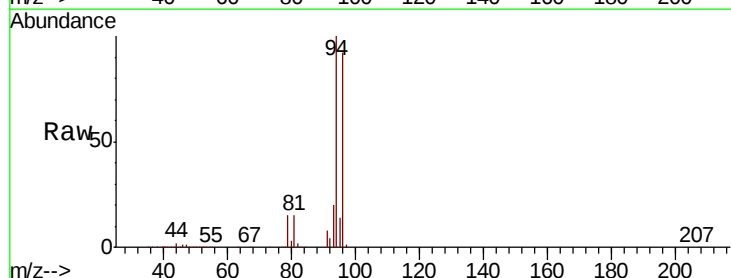
Acq: 03 Nov 2020 09:20

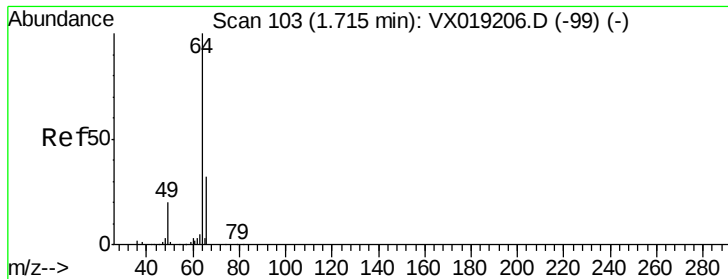
Tgt Ion: 94 Resp: 120308

Ion Ratio Lower Upper

94 100

96 92.1 66.0 122.6





#8

Chloroethane

Concen: 53.593 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

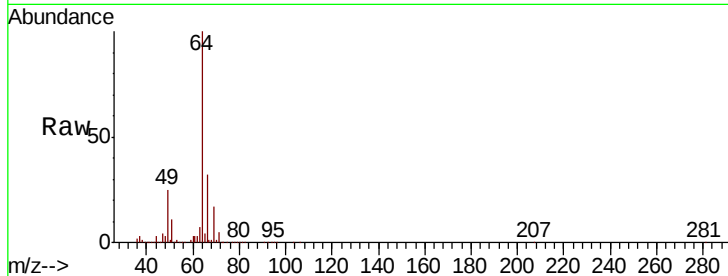
ClientSampleId :

Tot Ion: 64 Resp: 116946

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VX019220.D (-99) (-)

Ion 66.00 (65.70 to 66.70): VX019220.D (-99) (-)

1.72

100000

80000

60000

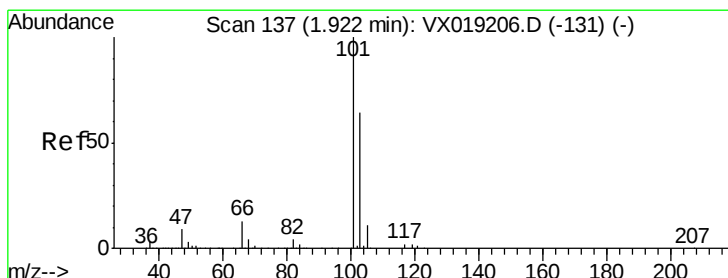
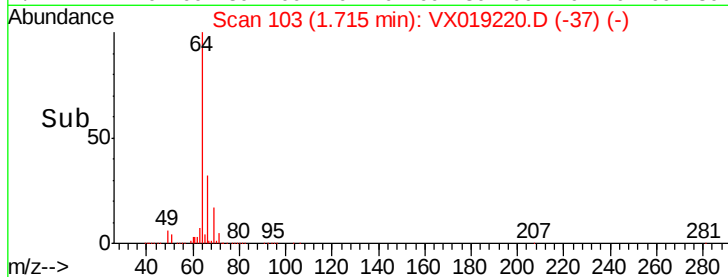
40000

20000

0

1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 53.007 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX019220.D

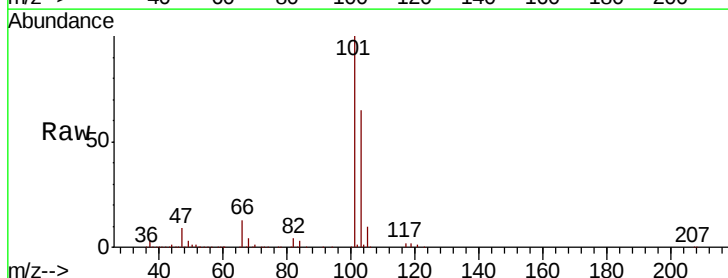
Acq: 03 Nov 2020 09:20

Tgt Ion: 101 Resp: 275353

Ion Ratio Lower Upper

101 100

103 64.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VX019220.D (-131) (-)

Ion 103.00 (102.70 to 103.70): VX019220.D (-131) (-)

1.92

200000

150000

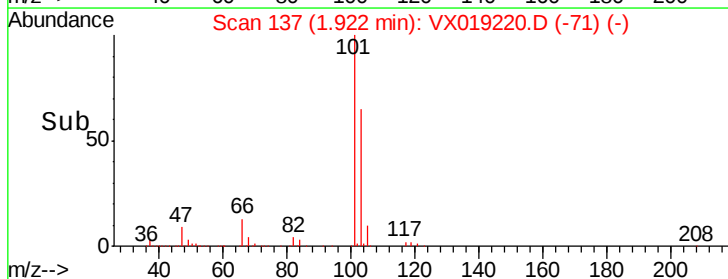
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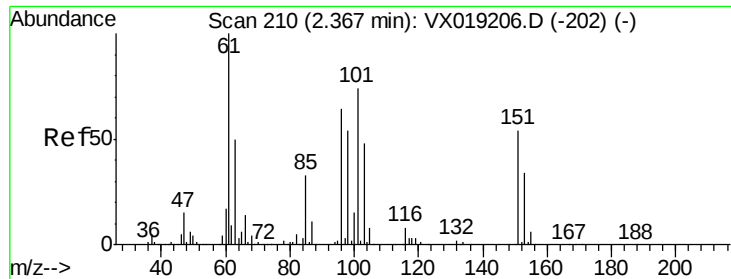
50000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#10

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

Concen: 53.760 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

ClientSampled :

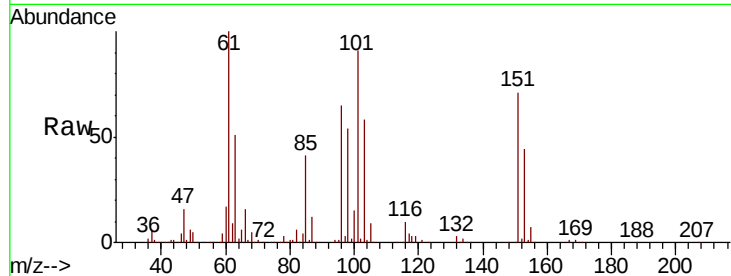
Tot Ion:101 Resp: 161069

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

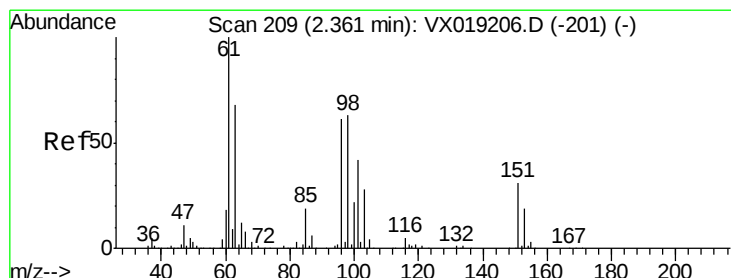
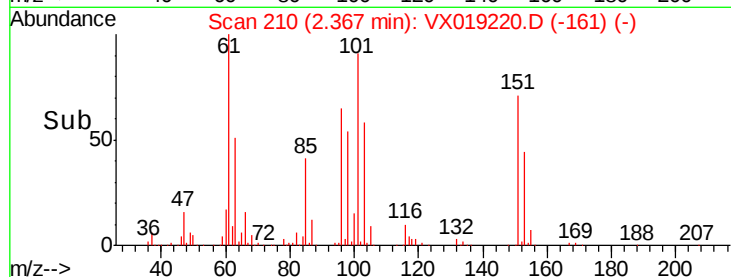
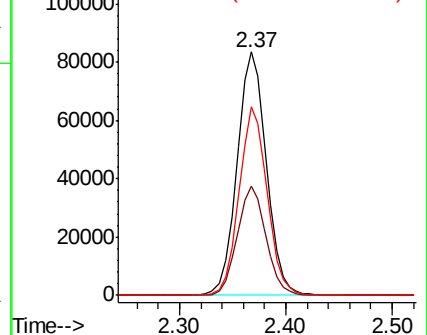
151 74.4 59.9 89.9



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: 51.446 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

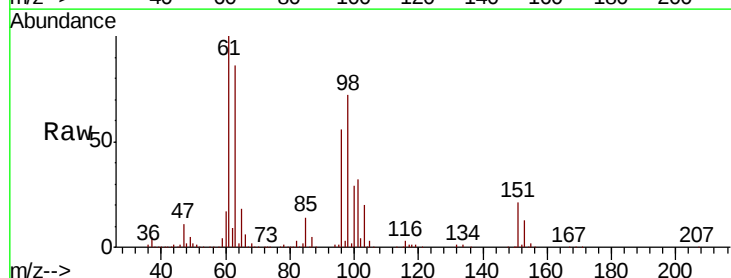
Tgt Ion: 96 Resp: 149572

Ion Ratio Lower Upper

96 100

61 179.2 115.1 213.8

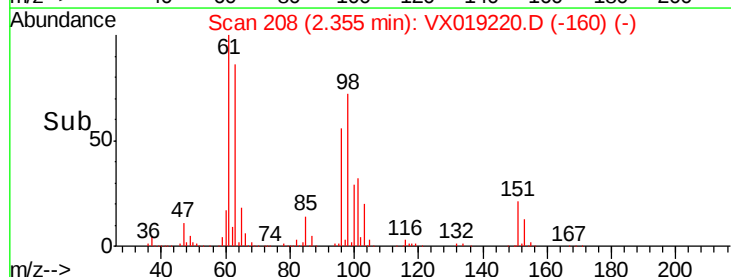
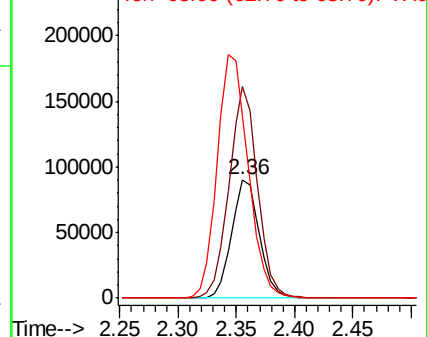
63 153.4 78.3 145.5#

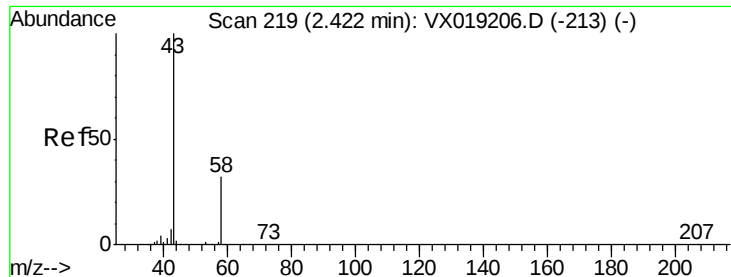


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 102.754 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

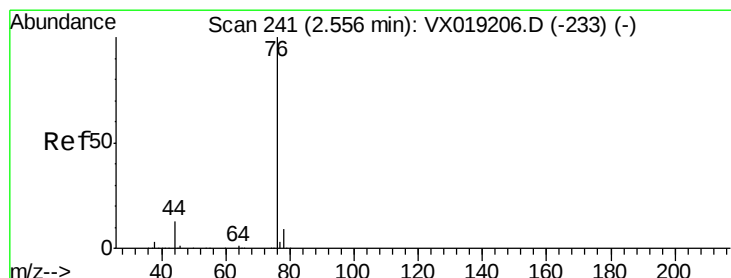
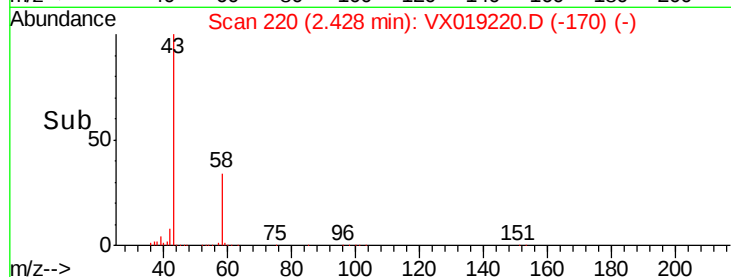
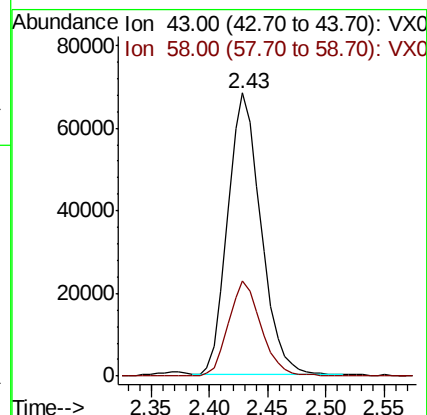
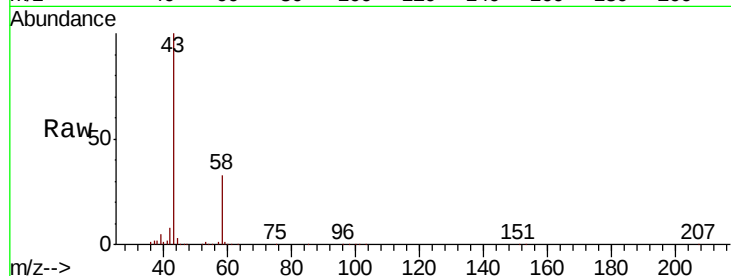
ClientSampleId :

Tot Ion: 43 Resp: 134550

Ion Ratio Lower Upper

43 100

58 33.6 0.0 64.6



#14

Carbon disulfide

Concen: 51.678 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX019220.D

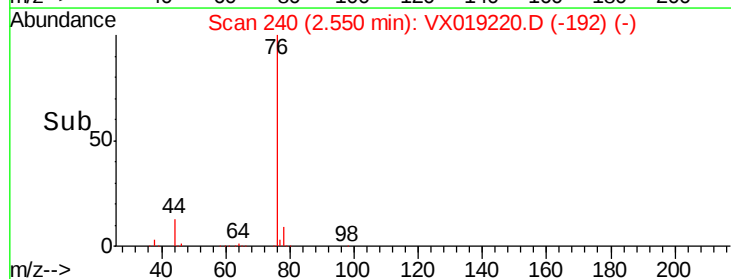
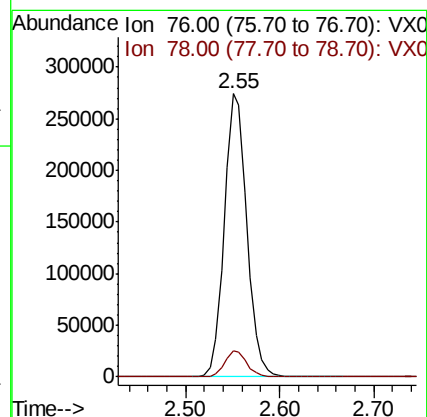
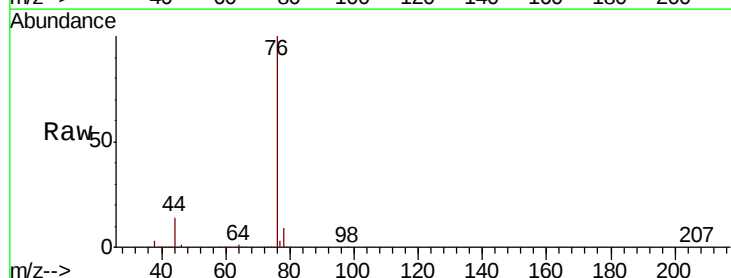
Acq: 03 Nov 2020 09:20

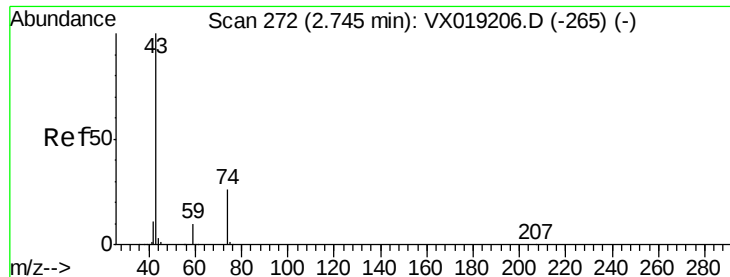
Tgt Ion: 76 Resp: 453427

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

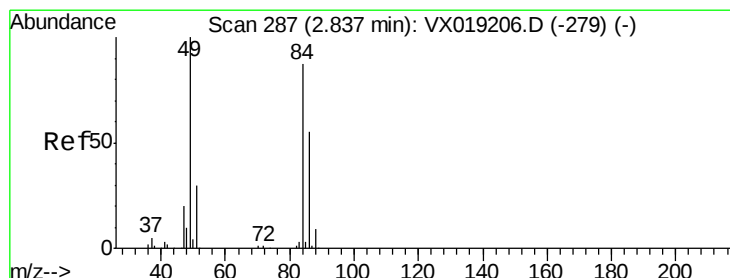
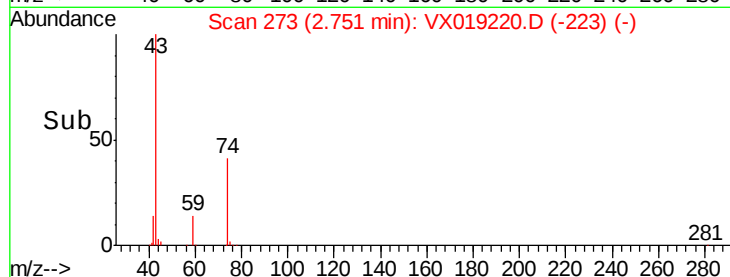
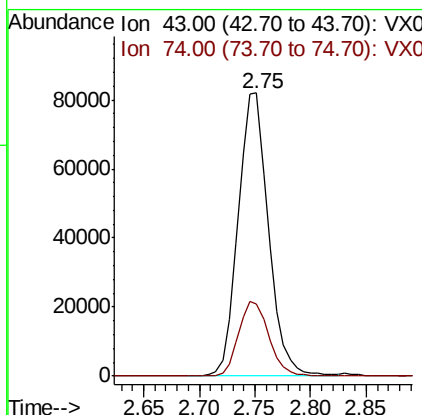
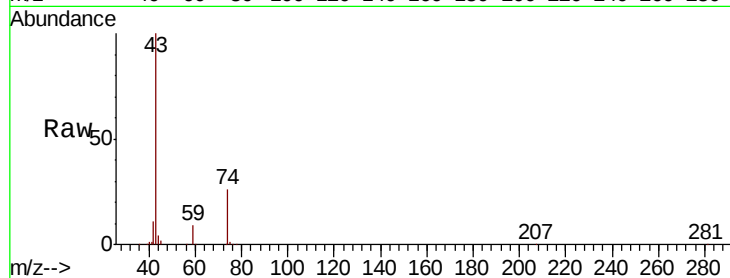




#15
Methyl Acetate
Concen: 54.064 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

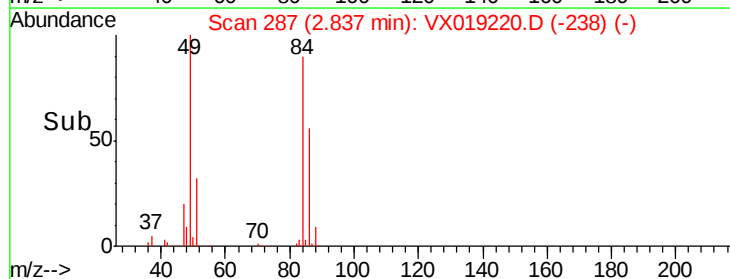
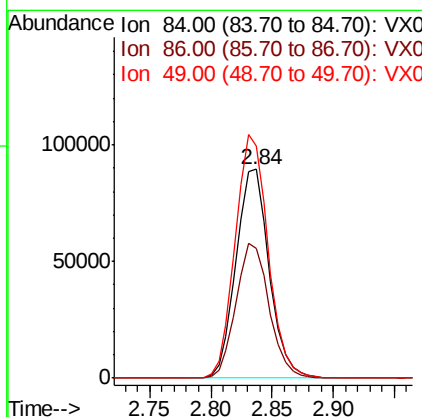
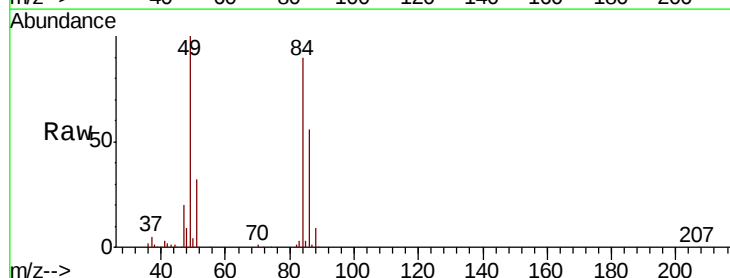
Instrument :
MSVOA_X
ClientSampleId :

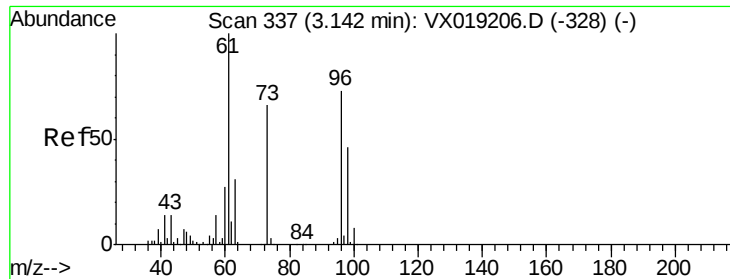
Tot Ion: 43 Resp: 154494
Ion Ratio Lower Upper
43 100
74 26.4 21.8 32.8



#16
Methylene chloride
Concen: 51.964 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

Tgt Ion: 84 Resp: 168471
Ion Ratio Lower Upper
84 100
86 62.2 44.0 81.6
49 111.1 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 52.144 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

ClientSampled :

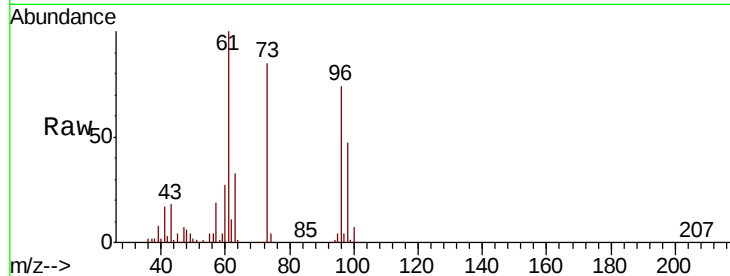
Tot Ion: 96 Resp: 162976

Ion Ratio Lower Upper

96 100

61 135.1 95.7 177.7

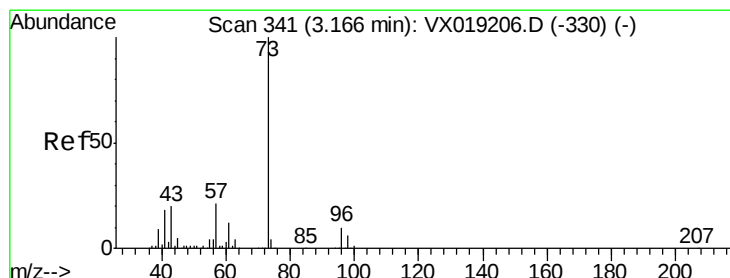
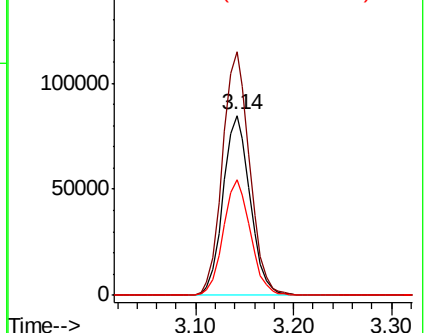
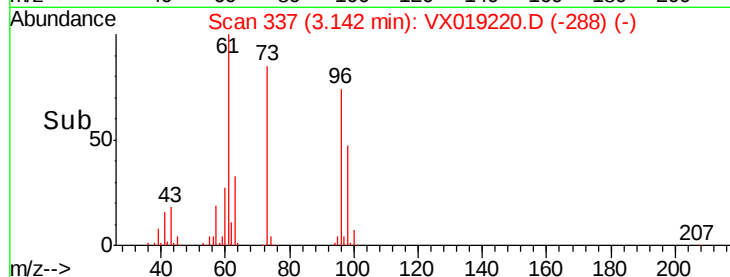
98 64.1 44.2 82.0



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: 52.844 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

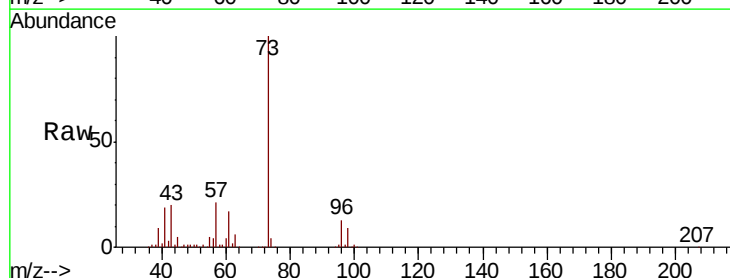
Tgt Ion: 73 Resp: 522111

Ion Ratio Lower Upper

73 100

43 19.8 15.8 23.6

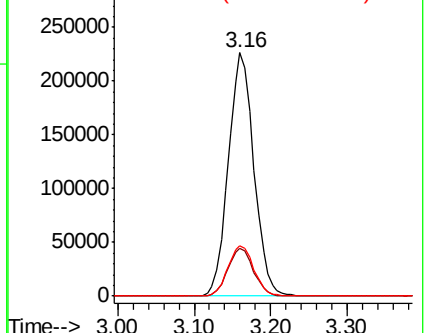
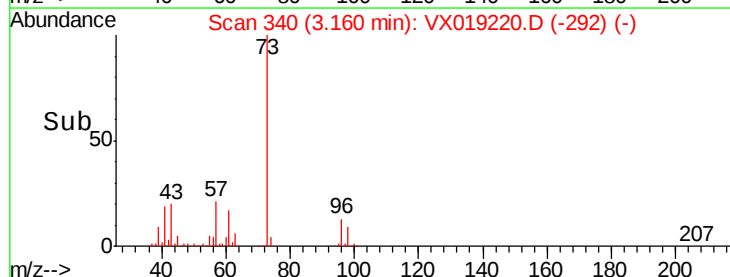
57 21.2 17.0 25.4

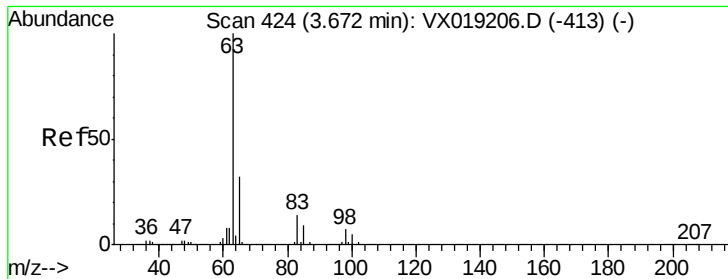


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

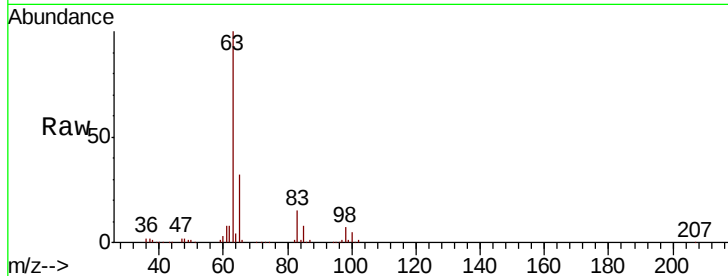




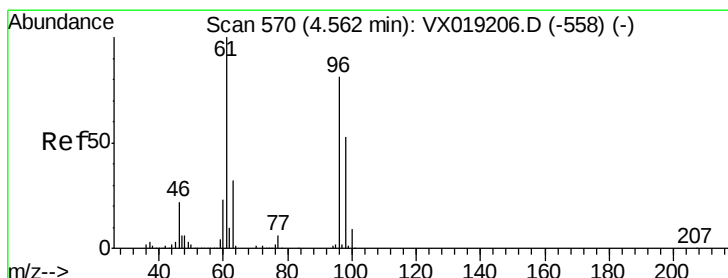
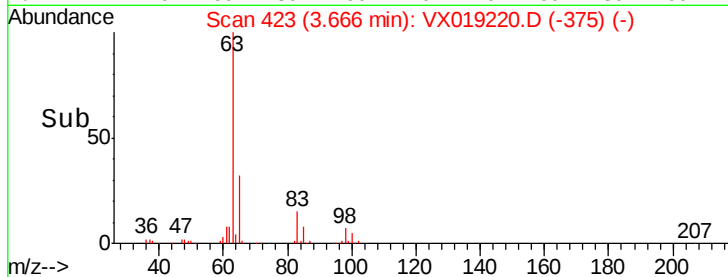
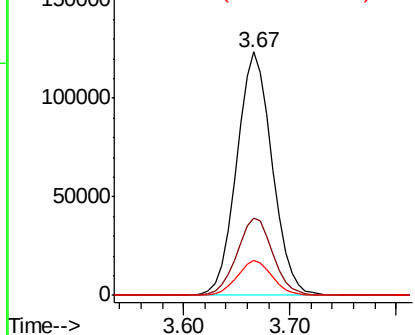
#19
 1,1-Dichloroethane
 Concen: 52.099 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.3	41.3
83	14.5	9.7	18.1

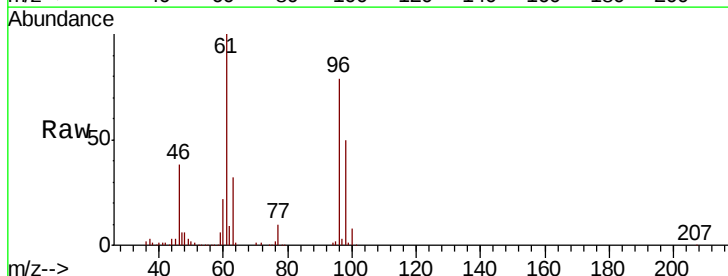


Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 65.00 (64.70 to 65.70): VX0
 Ion 83.00 (82.70 to 83.70): VX0

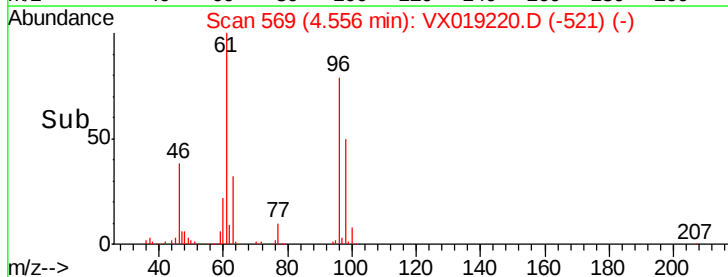
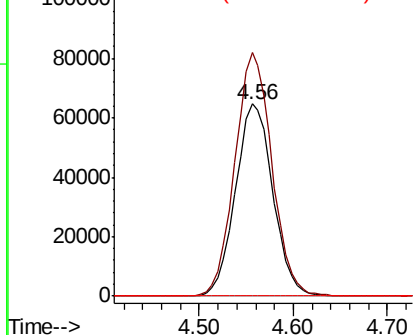


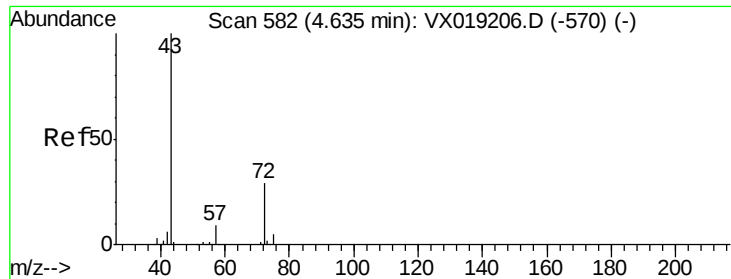
#20
 cis-1,2-Dichloroethene
 Concen: 52.359 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.8	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: 108.257 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

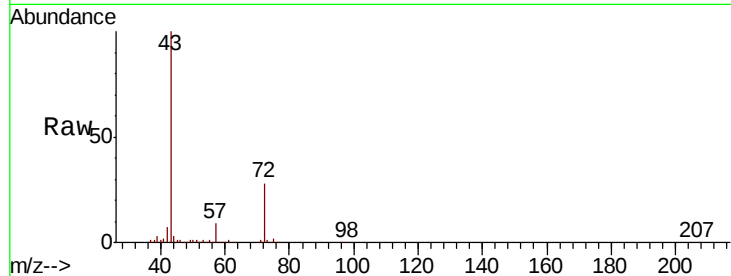
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 223873

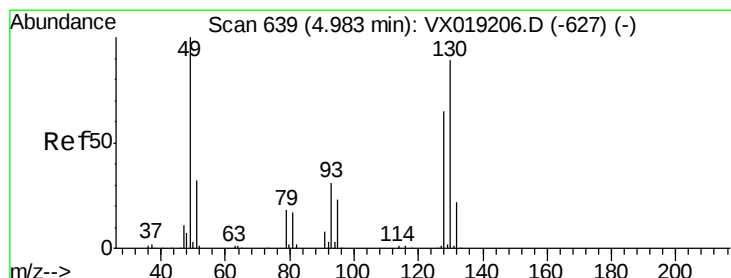
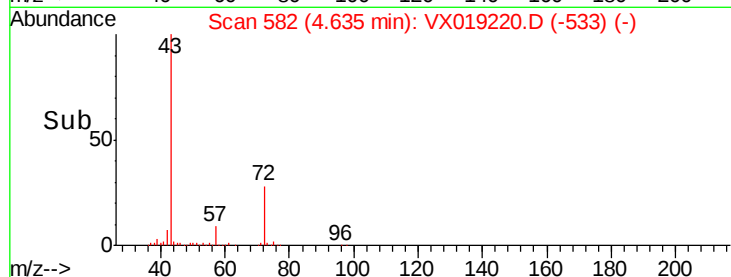
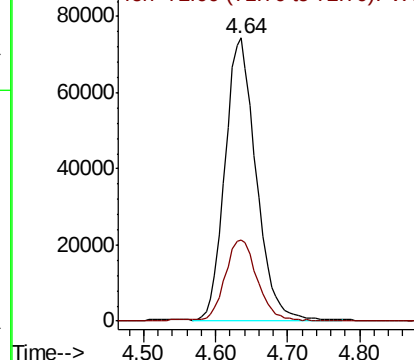
Ion Ratio Lower Upper

43 100

72 29.7 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: 52.018 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Tgt Ion:128 Resp: 89936

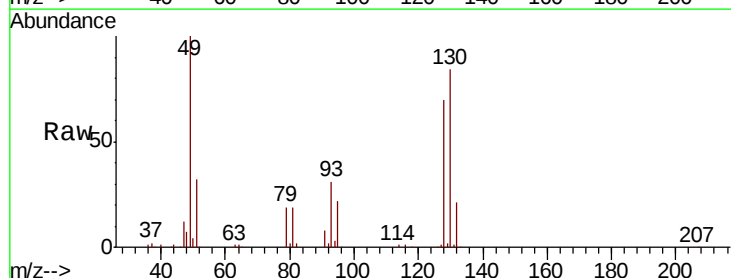
Ion Ratio Lower Upper

128 100

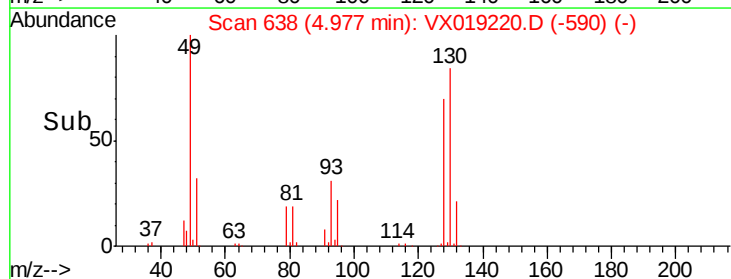
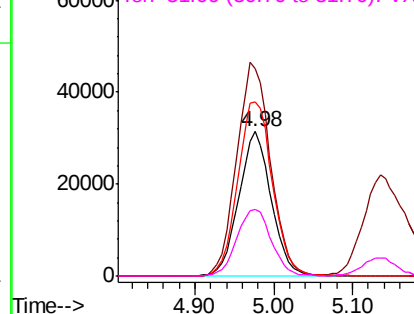
49 143.8 108.4 201.4

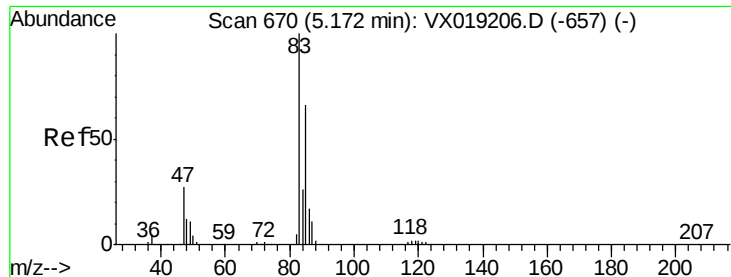
130 120.9 96.7 179.7

51 45.8 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: 54.567 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

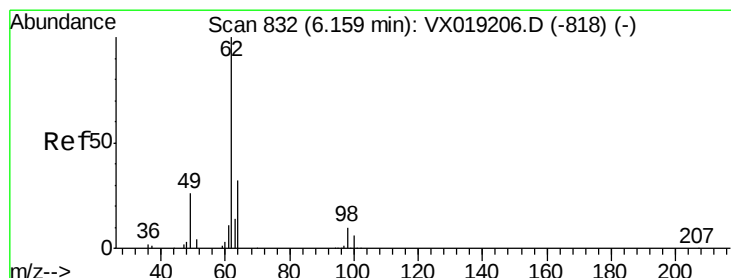
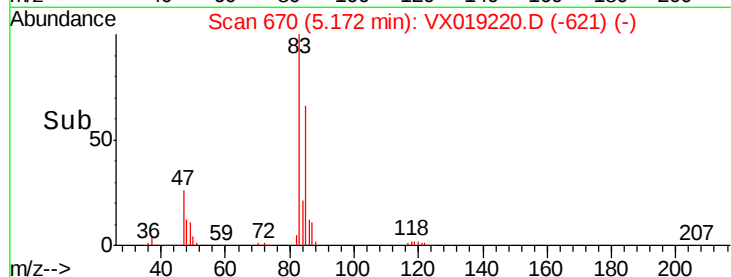
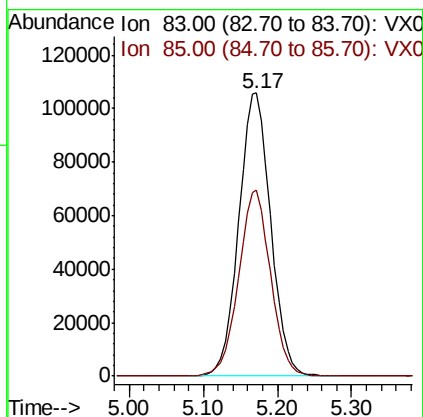
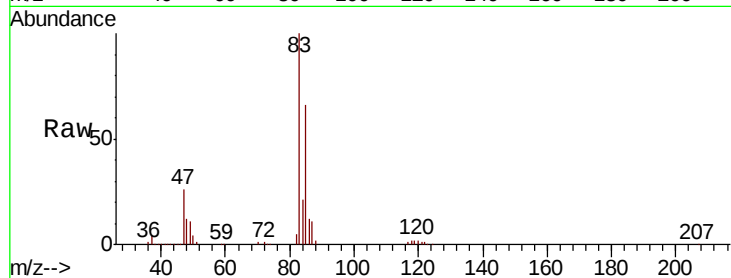
ClientSampled :

Tot Ion: 83 Resp: 318099

Ion Ratio Lower Upper

83 100

85 65.7 46.5 86.3



#27

1,2-Dichloroethane

Concen: 52.951 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX019220.D

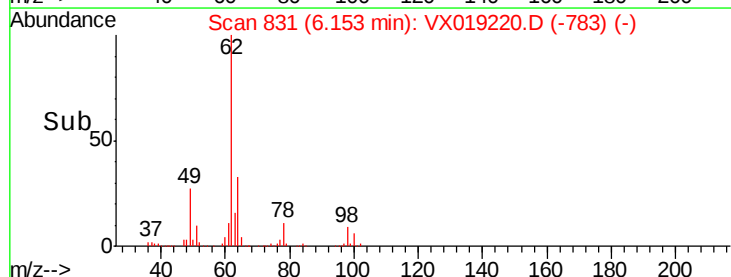
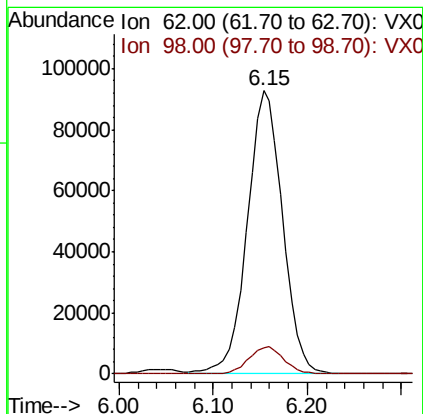
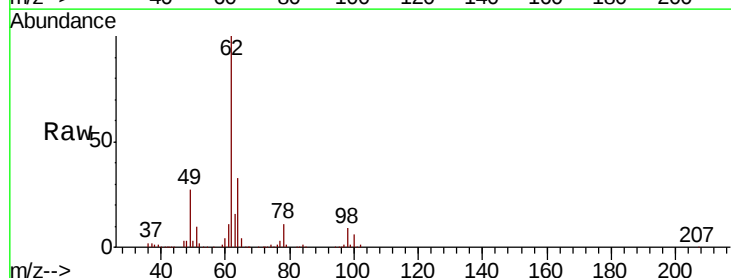
Acq: 03 Nov 2020 09:20

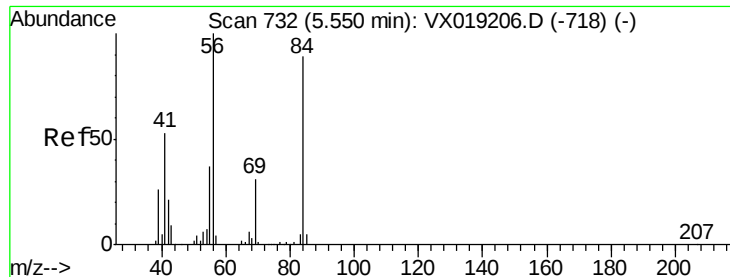
Tgt Ion: 62 Resp: 243036

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4

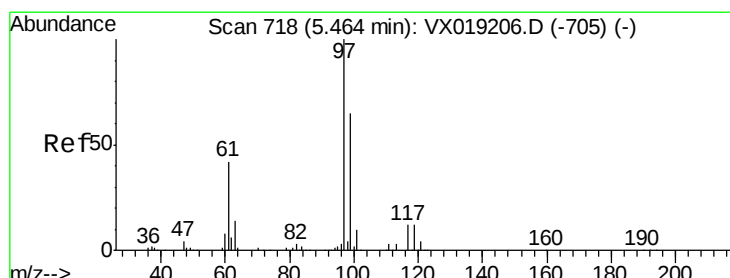
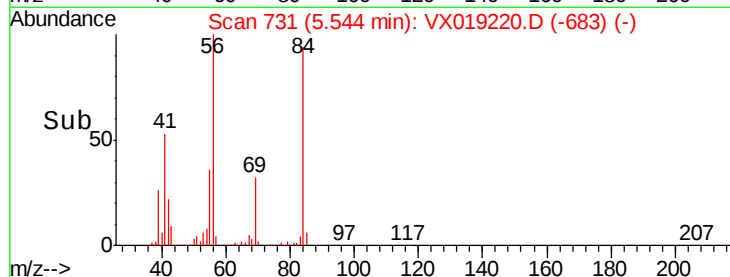
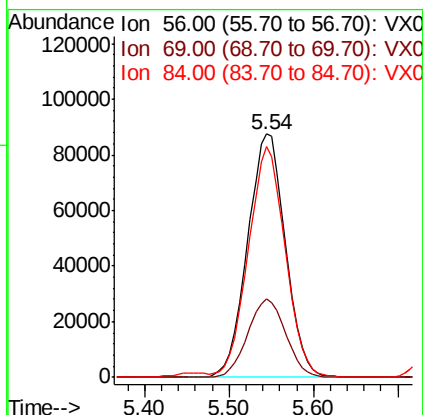
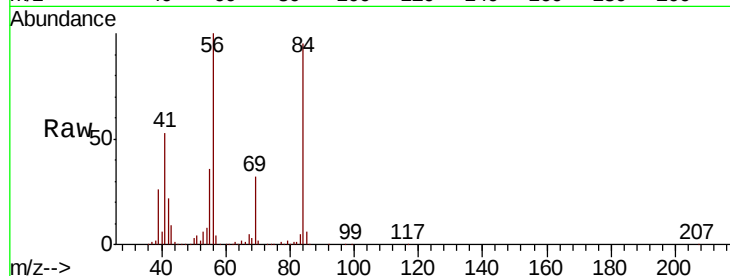




#29
Cvclohexane
Concen: 49.495 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

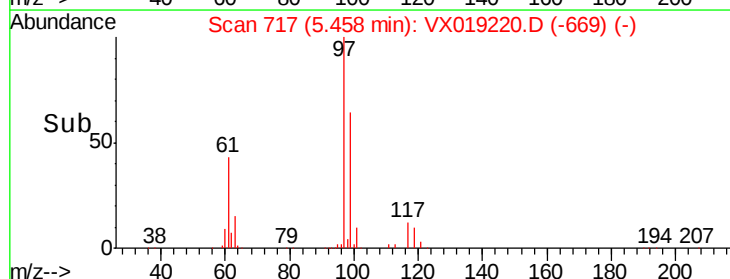
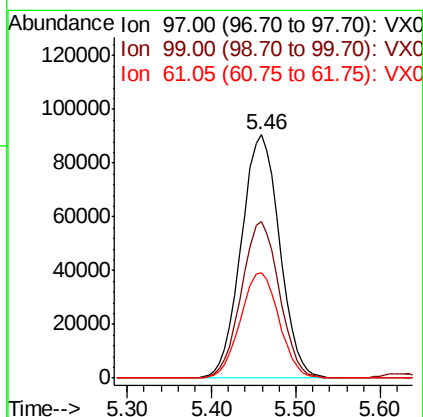
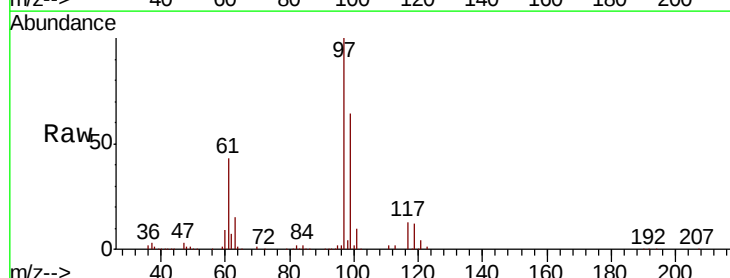
Instrument :
MSVOA_X
ClientSampleId :

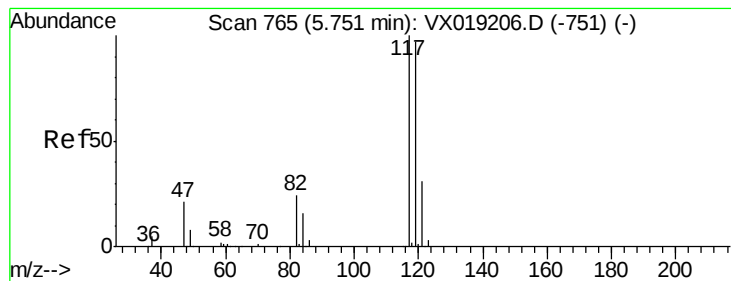
Tot Ion: 56 Resp: 267677
Ion Ratio Lower Upper
56 100
69 32.4 25.2 37.8
84 92.6 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 49.513 ug/L
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

Tgt Ion: 97 Resp: 280428
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 43.7 34.8 52.2





#31

Carbon tetrachloride

Concen: 49.308 ug/L

RT: 5.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

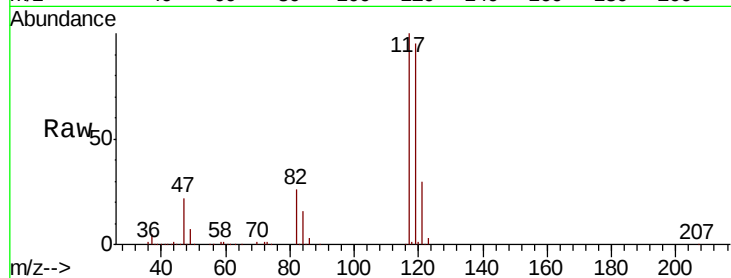
ClientSampleId :

Tot Ion:117 Resp: 239932

Ion Ratio Lower Upper

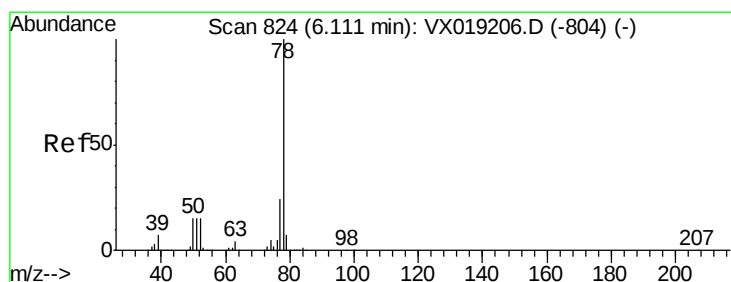
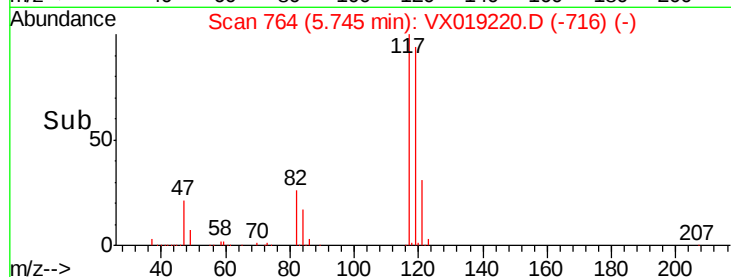
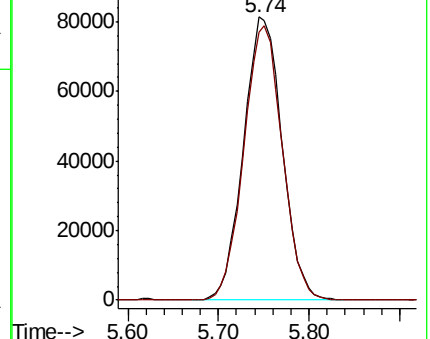
117 100

119 96.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.786 ug/L

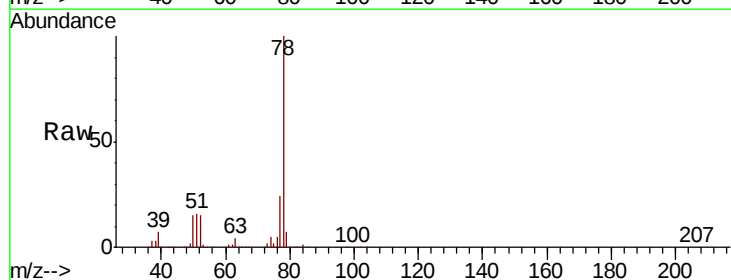
RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

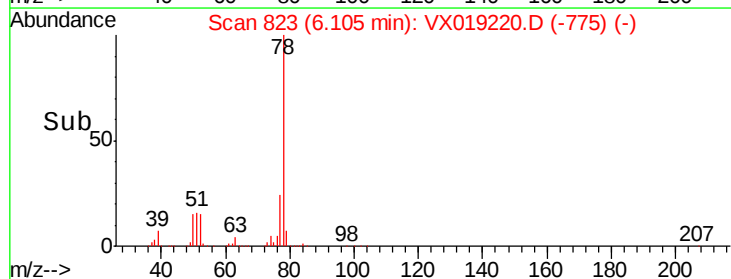
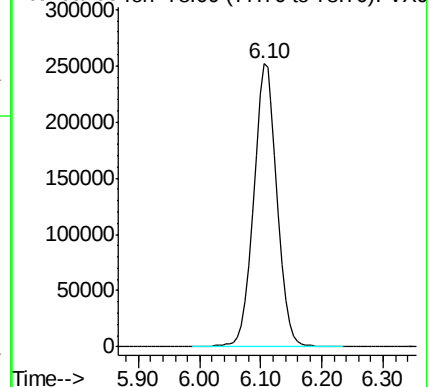
Lab File: VX019220.D

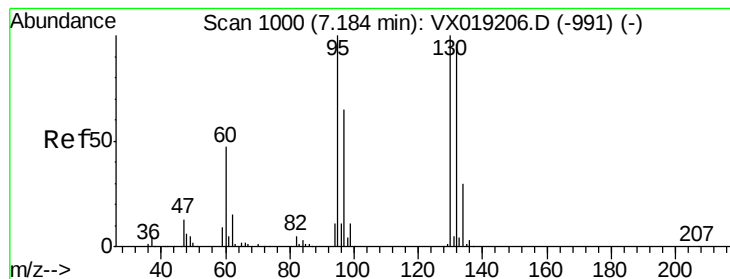
Acq: 03 Nov 2020 09:20

Tgt Ion: 78 Resp: 671582



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 49.736 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 183101

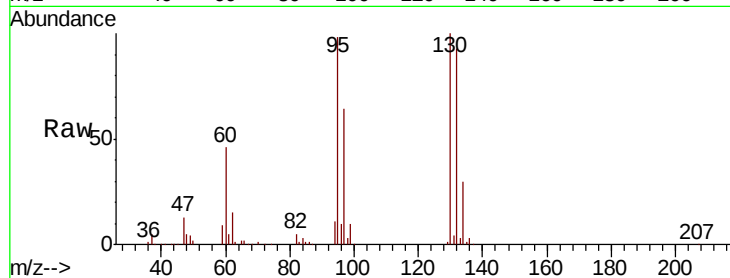
Ion Ratio Lower Upper

95 100

97 65.1 45.1 83.9

132 95.2 67.3 124.9

130 102.2 69.9 129.9

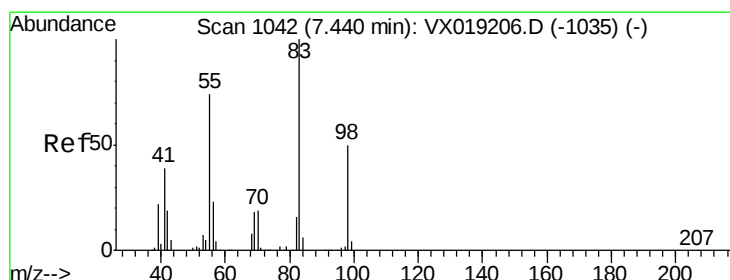
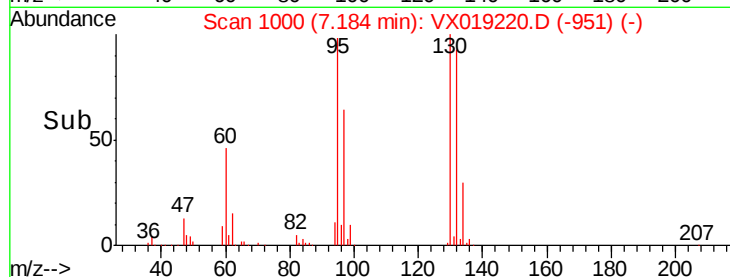
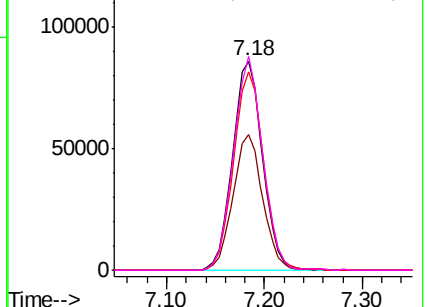


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 50.684 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

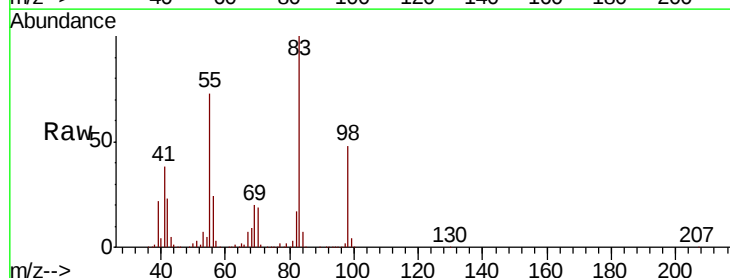
Tgt Ion: 83 Resp: 295346

Ion Ratio Lower Upper

83 100

55 73.5 58.6 87.8

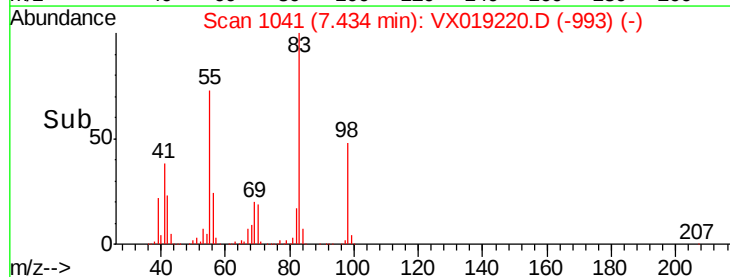
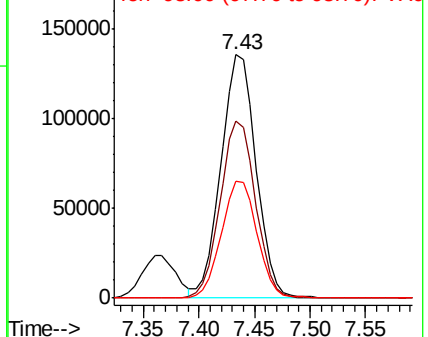
98 49.2 39.0 58.6

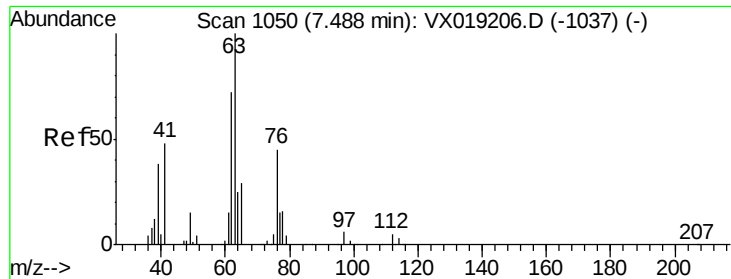


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

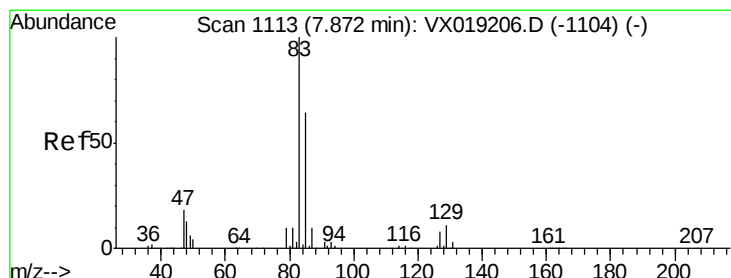
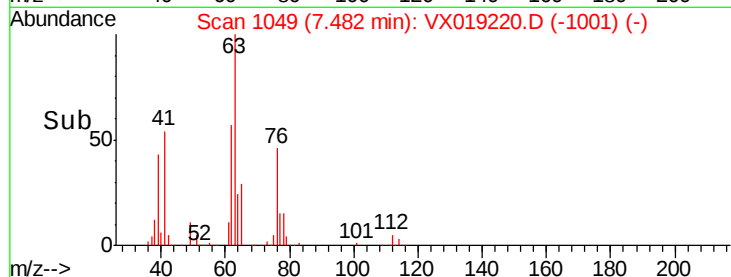
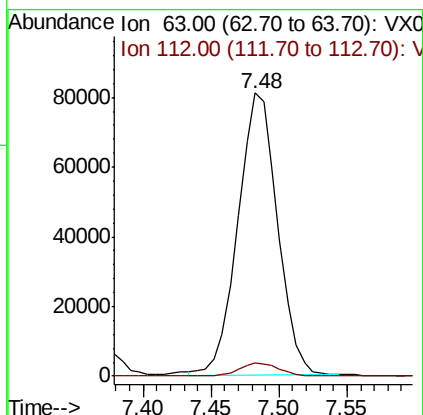
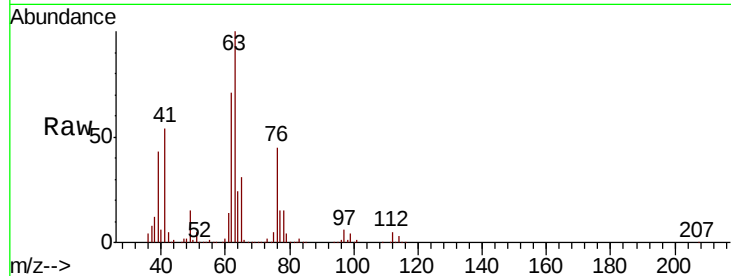




#37
 1,2-Dichloropropane
 Concen: 49.164 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

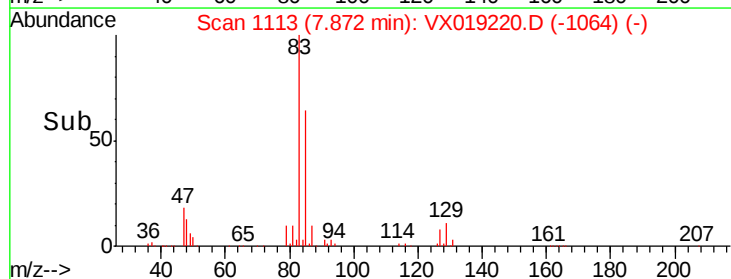
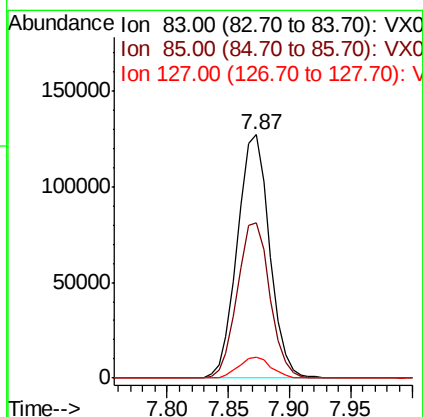
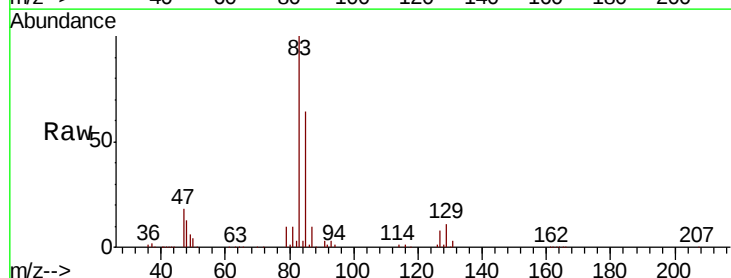
Instrument :
 MSVOA_X
 ClientSampleId :

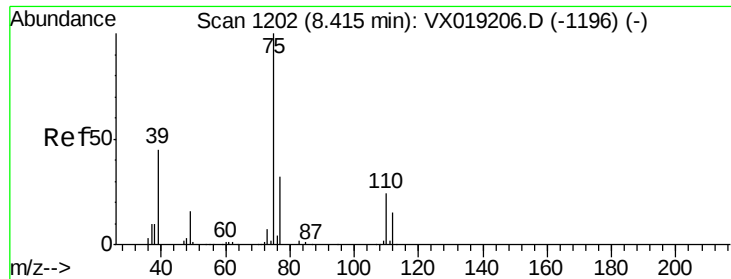
Tot Ion: 63 Resp: 164720
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.016 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion: 83 Resp: 233046
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.6 82.8
 127 8.4 6.8 10.2



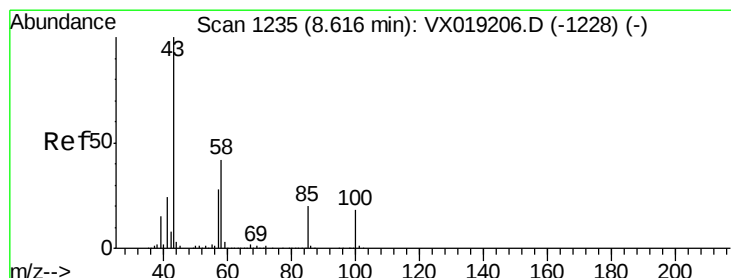
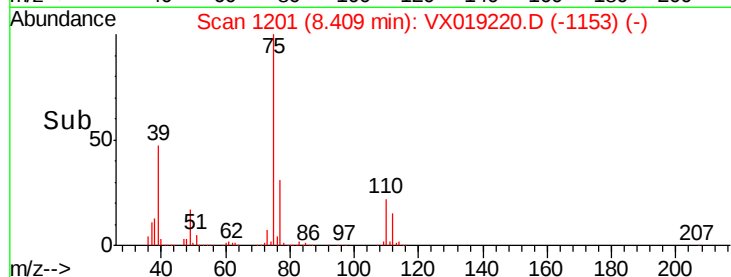
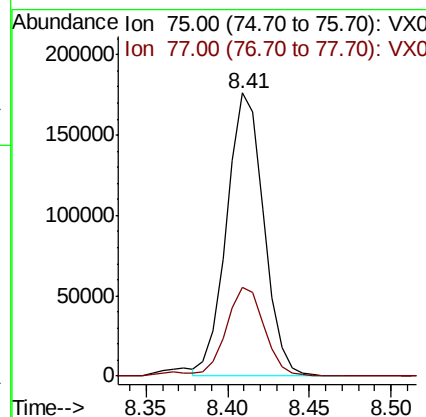
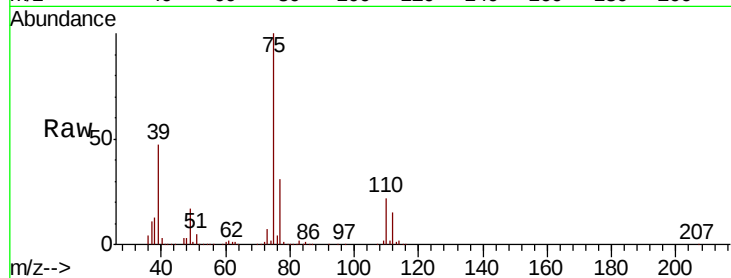


#39

cis-1,3-Dichloropropene
 Concen: 50.342 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Instrument :
 MSVOA_X
 ClientSampled :

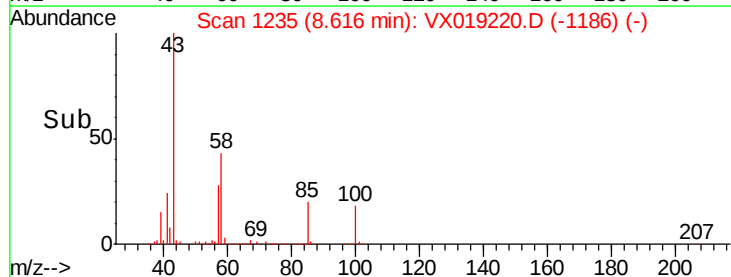
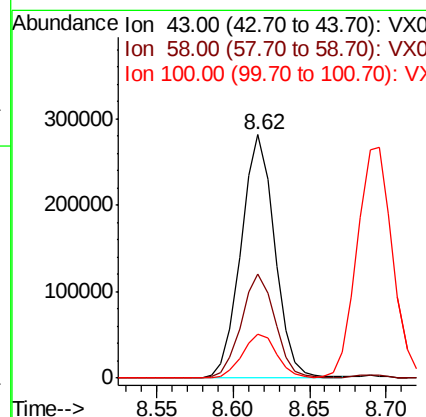
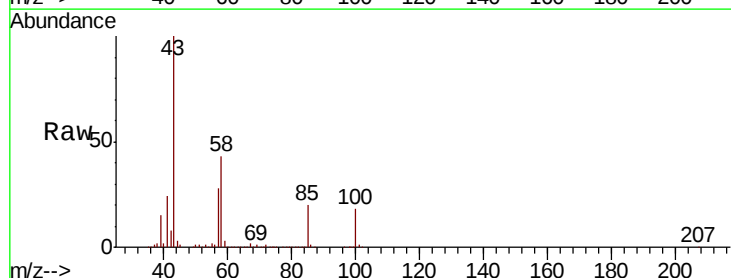
Tot Ion: 75 Resp: 280227
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.7

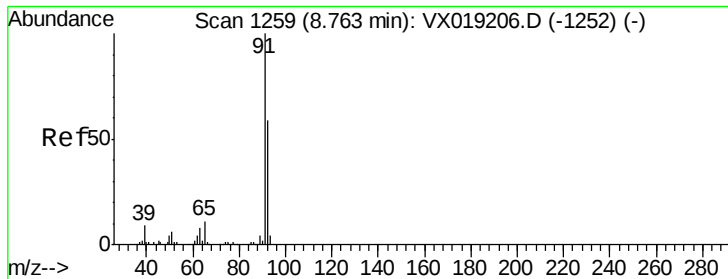


#40

4-Methyl-2-pentanone
 Concen: 105.600 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion: 43 Resp: 432703
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.1 51.1
 100 18.4 14.8 22.2





#42

Toluene

Concen: 50.853 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

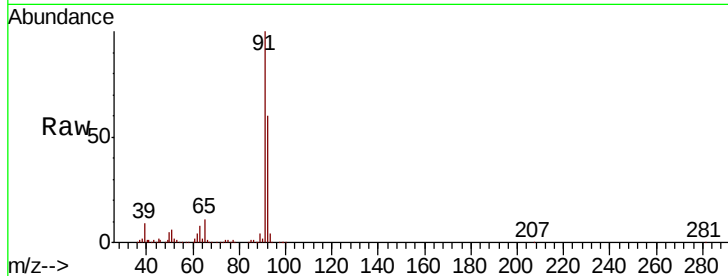
ClientSampled :

Tot Ion: 91 Resp: 746167

Ion Ratio Lower Upper

91 100

92 60.1 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

8.76

500000

400000

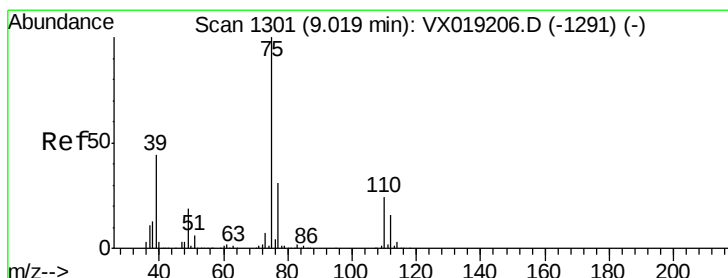
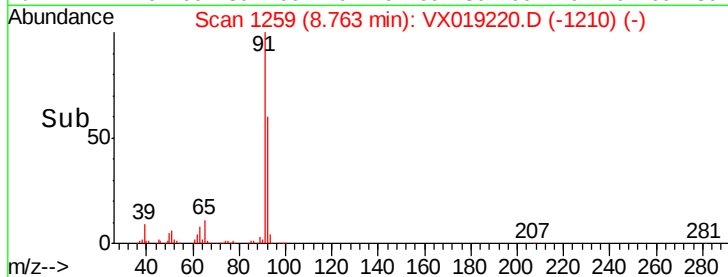
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.348 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019220.D

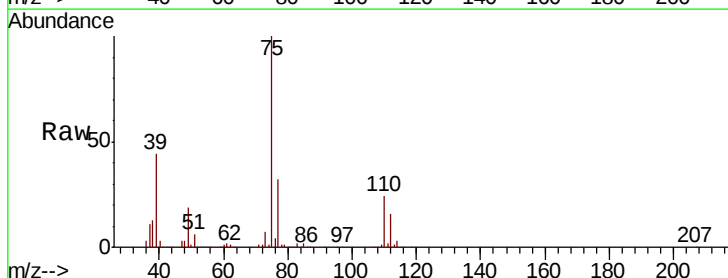
Acq: 03 Nov 2020 09:20

Tgt Ion: 75 Resp: 278467

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

9.02

200000

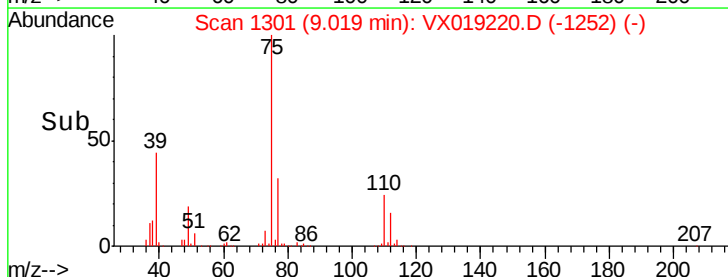
150000

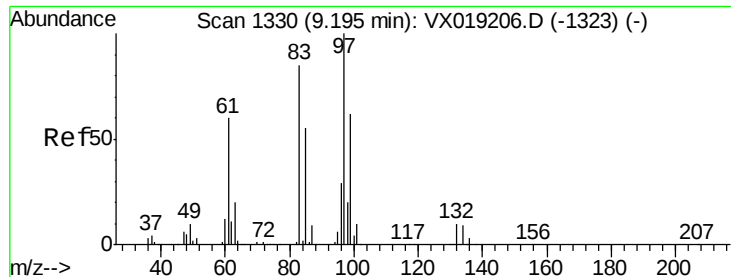
100000

50000

0

Time-->

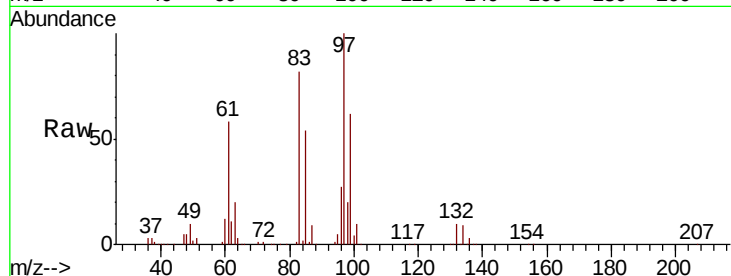




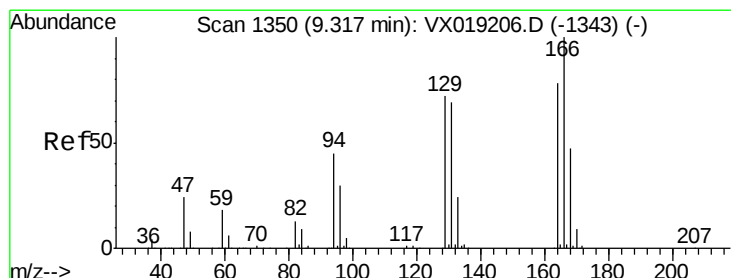
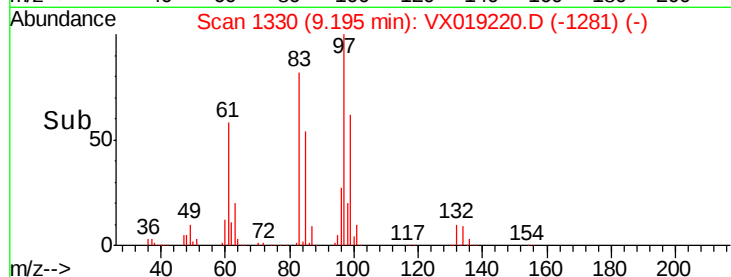
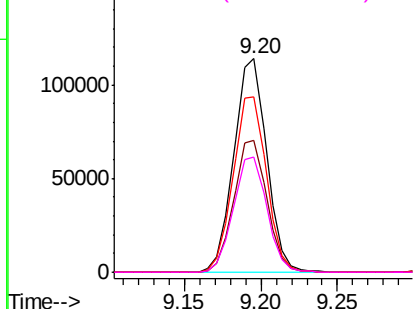
#45
 1,1,2-Trichloroethane
 Concen: 51.518 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	169567
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.3
83	82.3	59.4	110.4
85	54.0	38.7	71.9

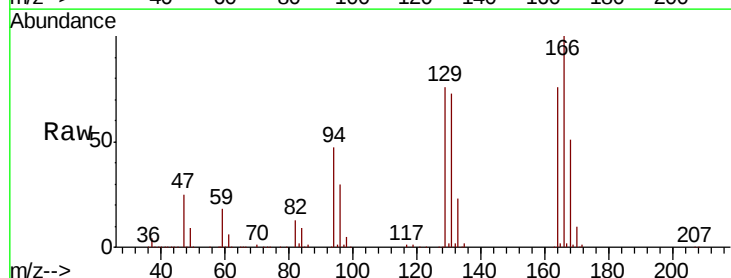


Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 99.00 (98.70 to 99.70): VX0
 Ion 83.00 (82.70 to 83.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0

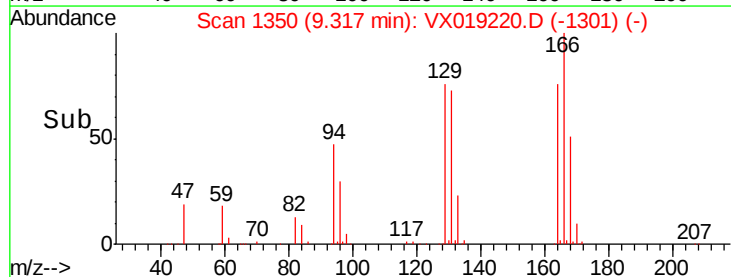
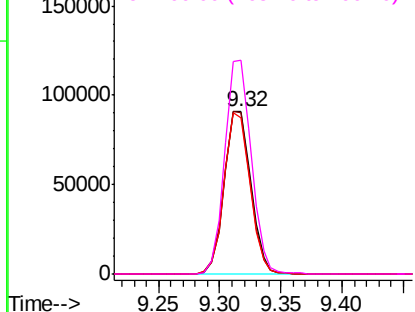


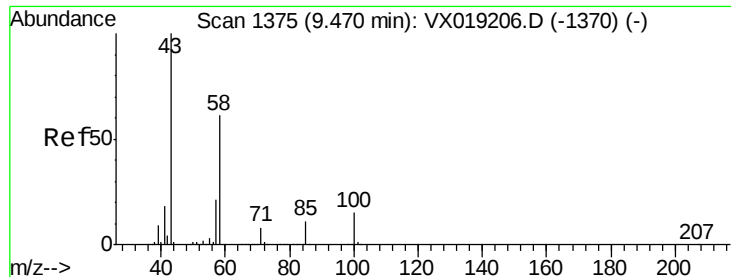
#46
 Tetrachloroethene
 Concen: 49.405 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion:	164	Resp:	137226
Ion	Ratio	Lower	Upper
164	100		
129	99.5	65.2	121.2
131	96.4	62.5	116.1
166	131.5	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

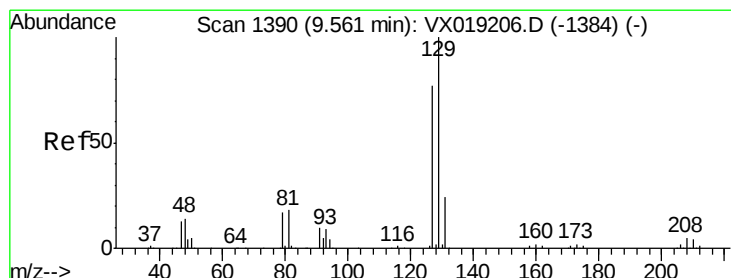
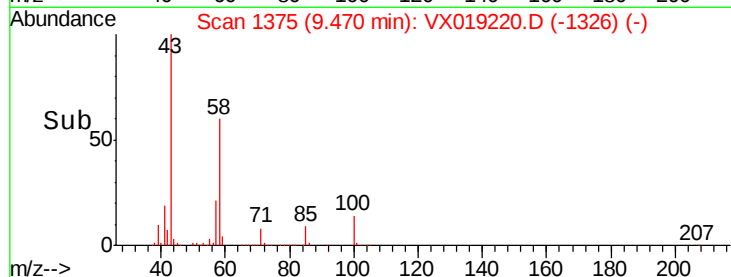
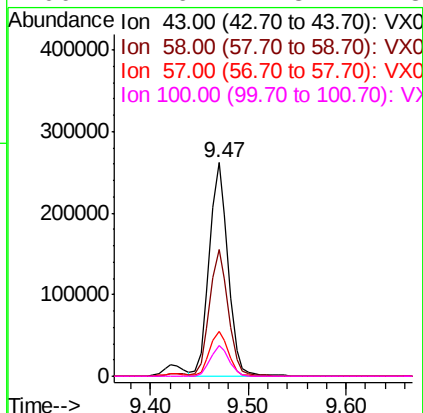
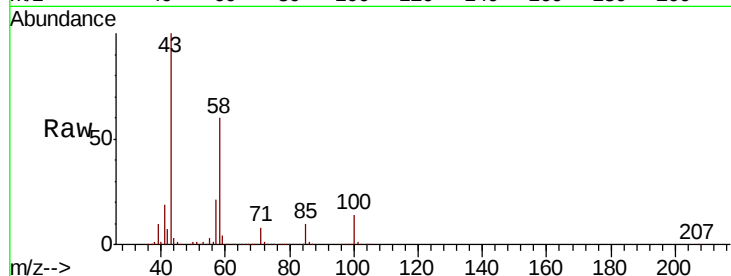




#48
2-Hexanone
Concen: 108.517 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

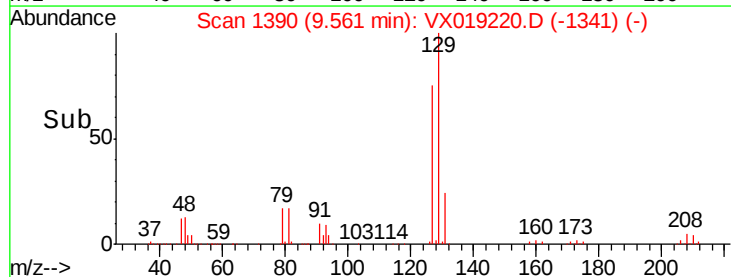
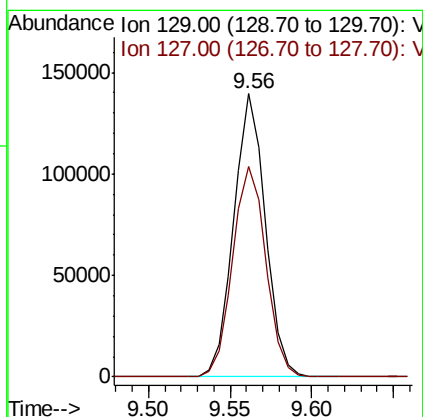
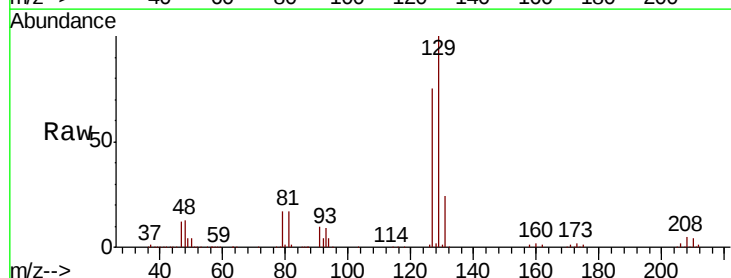
Instrument :
MSVOA_X
ClientSampleId :

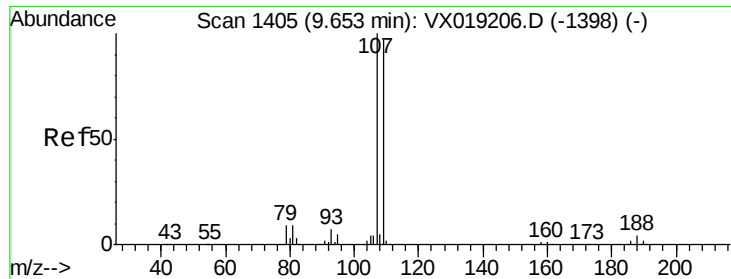
Tot Ion	Ratio	Lower	Upper
43	100		
58	59.4	48.2	72.2
57	20.7	17.1	25.7
100	14.6	11.8	17.8



#49
Dibromochloromethane
Concen: 52.542 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	54.0	100.2

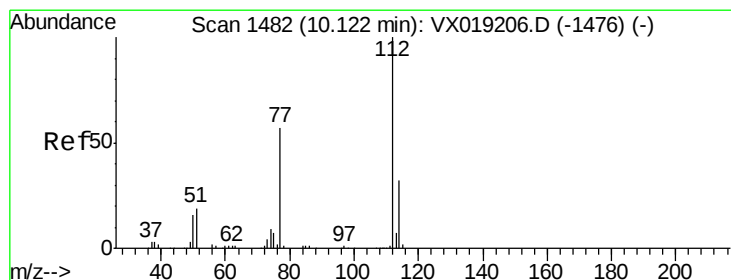
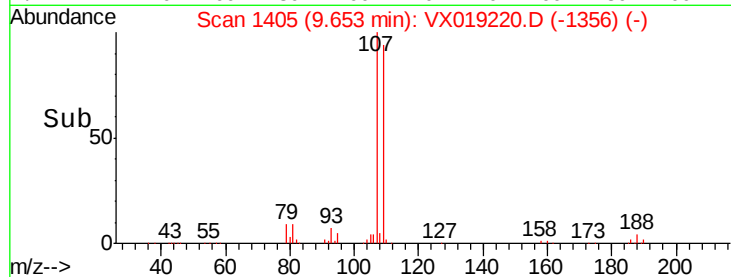
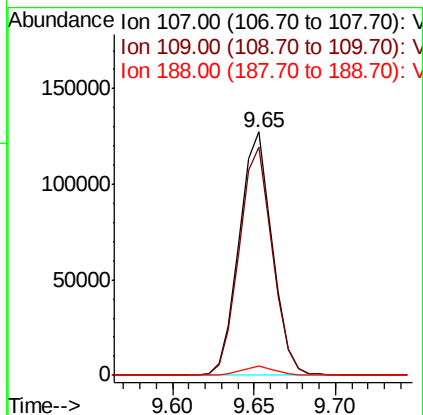
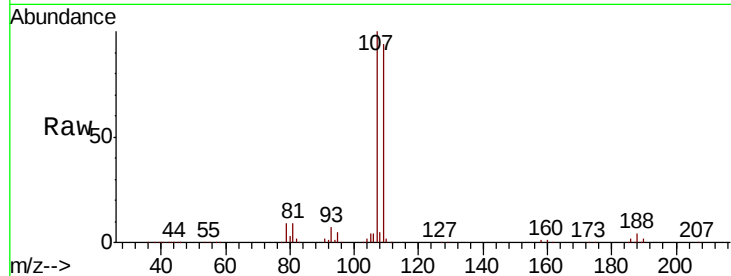




#50
 1,2-Dibromoethane
 Concen: 52.224 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

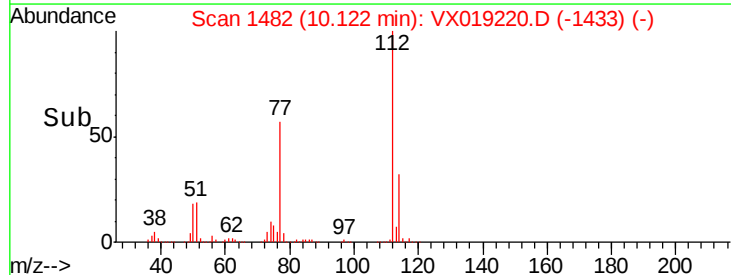
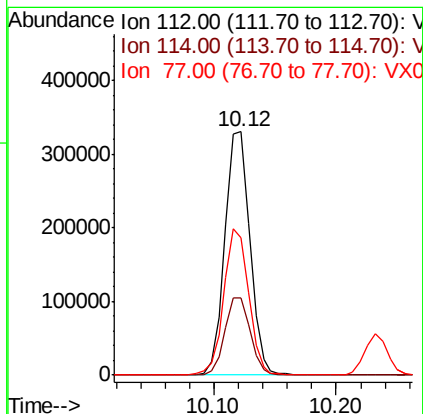
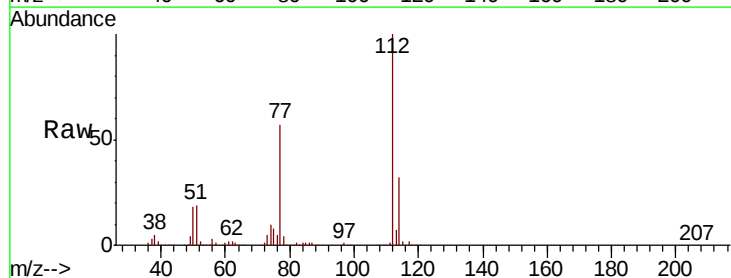
Instrument :
 MSVOA_X
 ClientSampleId :

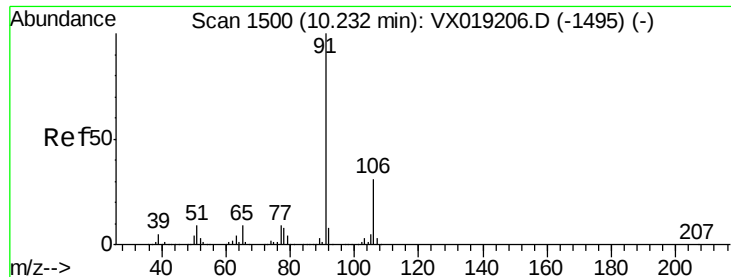
Tot Ion:107 Resp: 179774
 Ion Ratio Lower Upper
 107 100
 109 94.0 68.1 126.5
 188 3.9 3.0 4.4



#51
 Chlorobenzene
 Concen: 51.451 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion:112 Resp: 469452
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.2 41.2
 77 56.5 46.2 69.4





#52

Ethylbenzene

Concen: 52.190 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

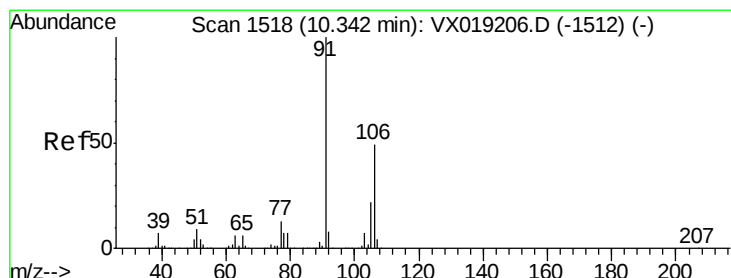
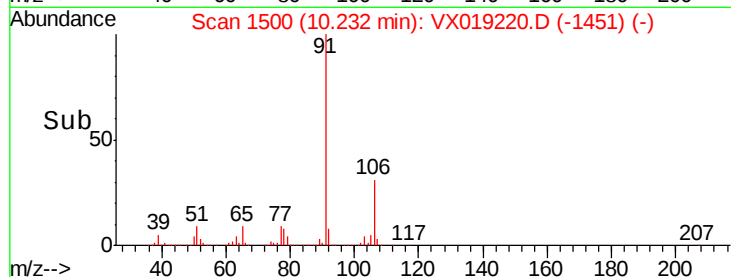
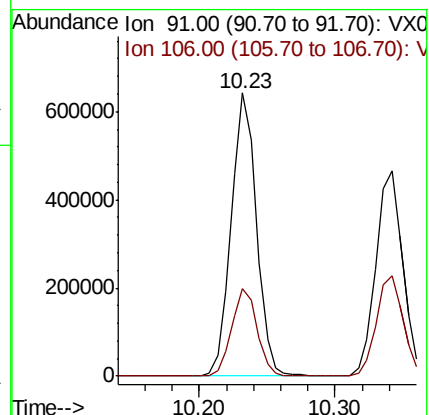
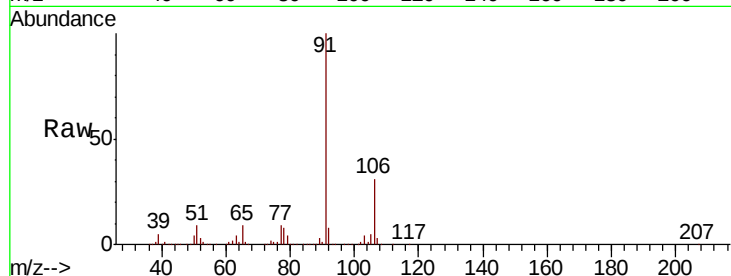
ClientSampleId :

Tot Ion: 91 Resp: 827857

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



#53

m,p-Xylene

Concen: 52.556 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019220.D

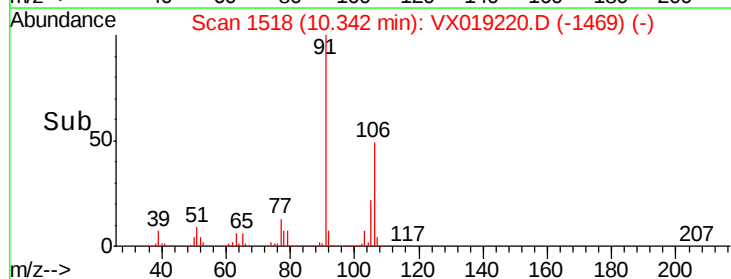
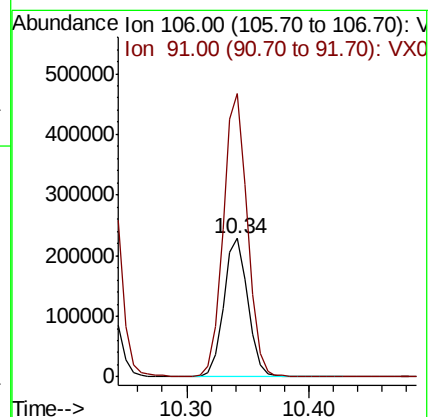
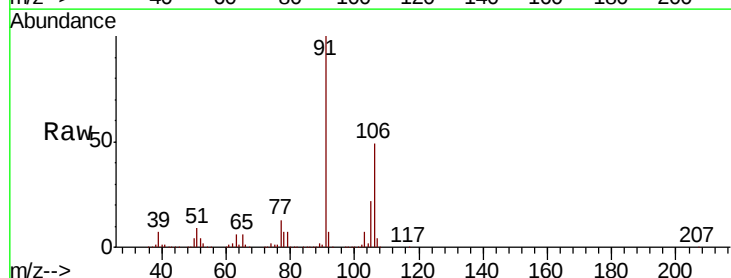
Acq: 03 Nov 2020 09:20

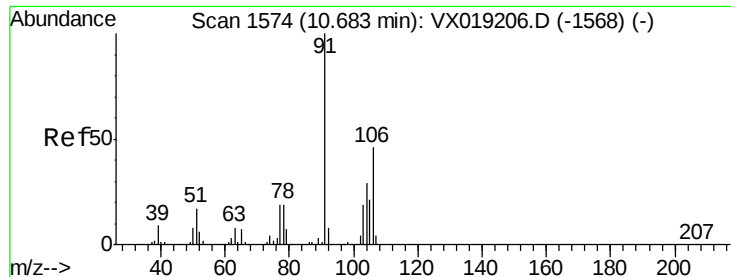
Tgt Ion: 106 Resp: 313180

Ion Ratio Lower Upper

106 100

91 204.2 144.2 267.8





#54

o-Xylene

Concen: 51.892 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

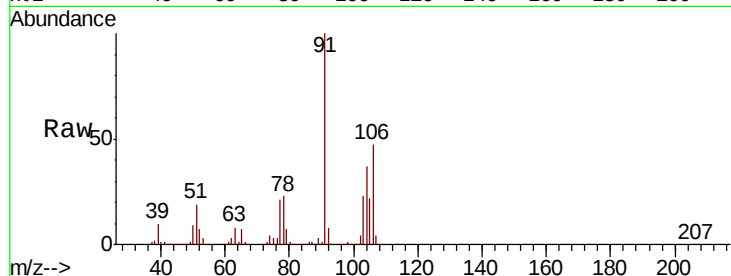
ClientSampled :

Tot Ion:106 Resp: 299396

Ion Ratio Lower Upper

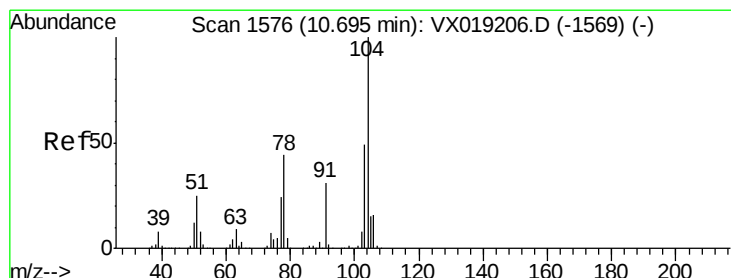
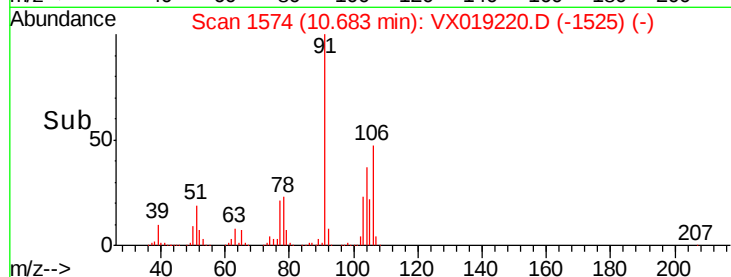
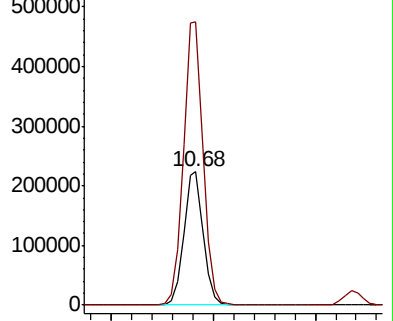
106 100

91 212.7 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 52.844 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019220.D

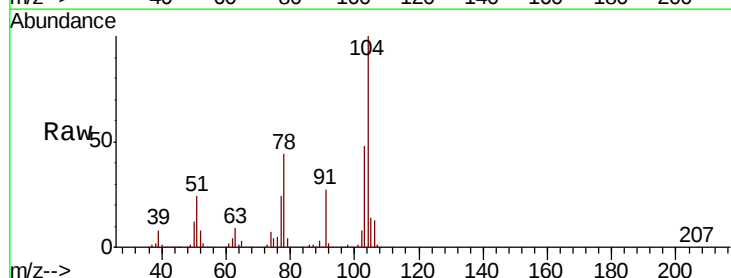
Acq: 03 Nov 2020 09:20

Tgt Ion:104 Resp: 514348

Ion Ratio Lower Upper

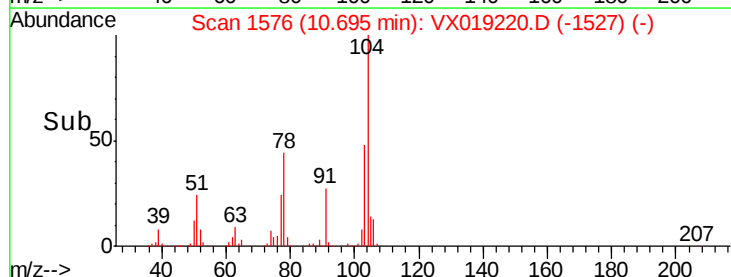
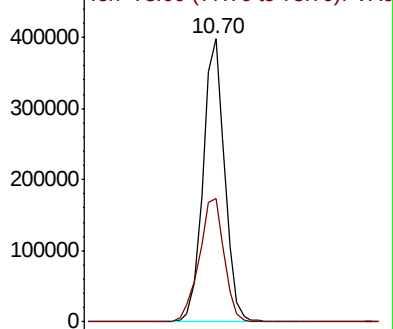
104 100

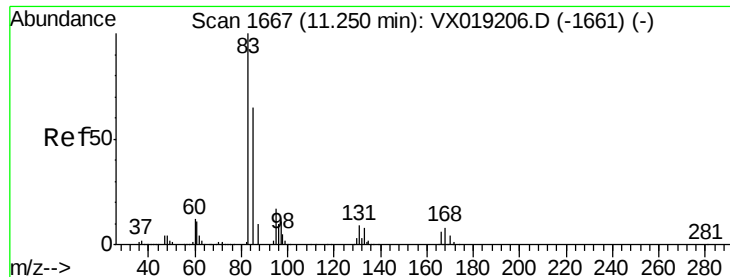
78 43.6 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 50.789 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

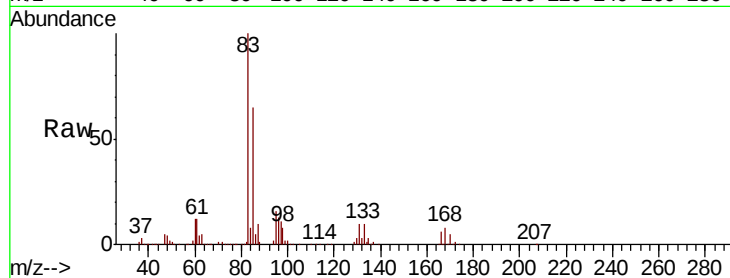
Tot Ion: 83 Resp: 229135

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3

131 10.1 7.7 11.5

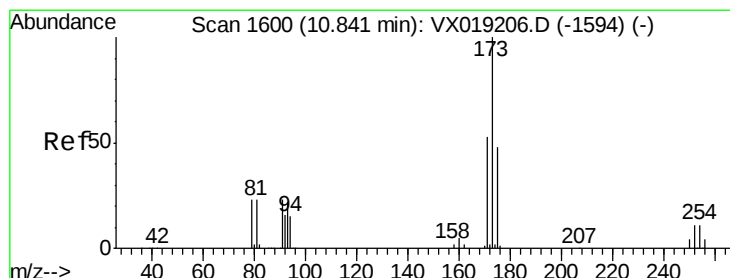
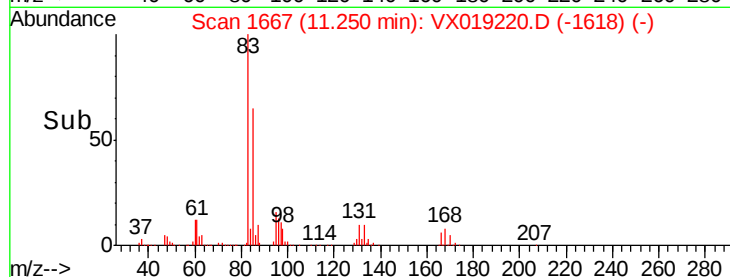
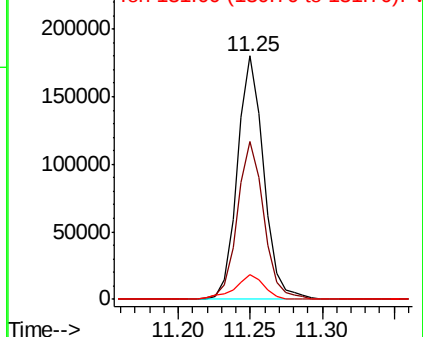


Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 52.732 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

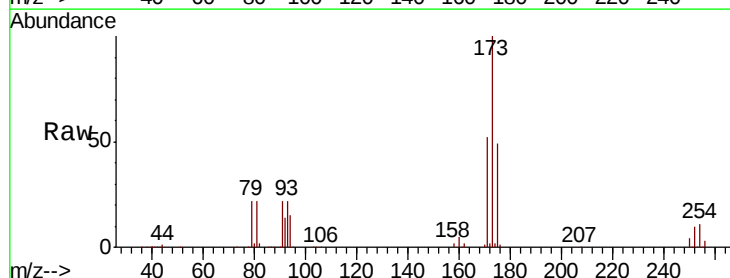
Tgt Ion:173 Resp: 123727

Ion Ratio Lower Upper

173 100

175 48.9 39.7 59.5

254 10.1 8.2 12.4

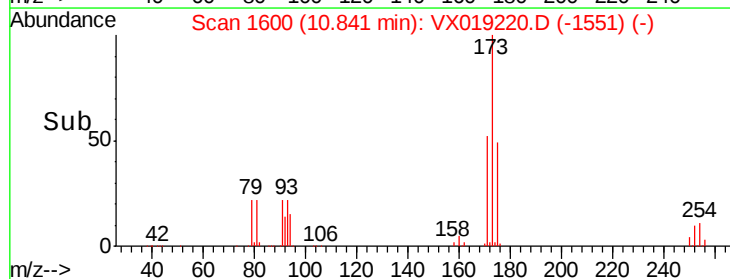
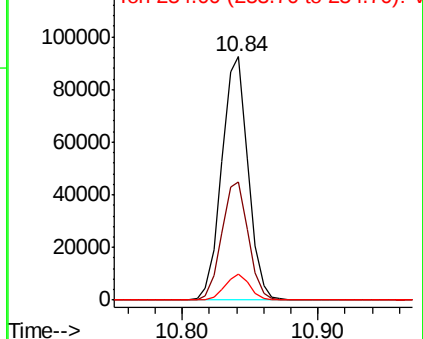


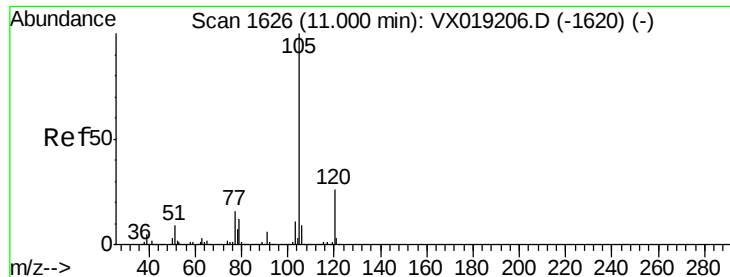
Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 55.917 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

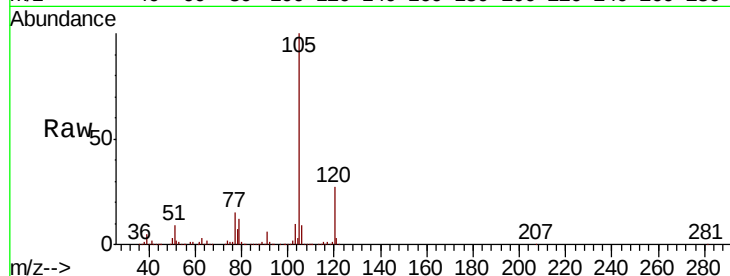
Tot Ion:105 Resp: 822006

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

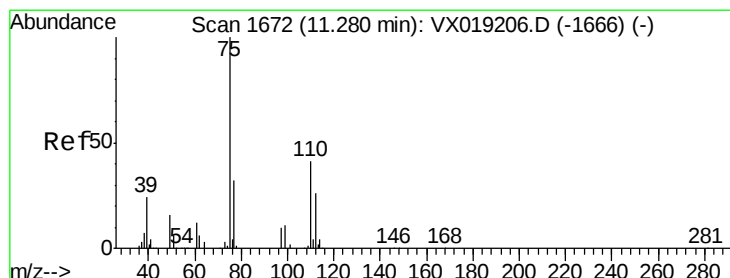
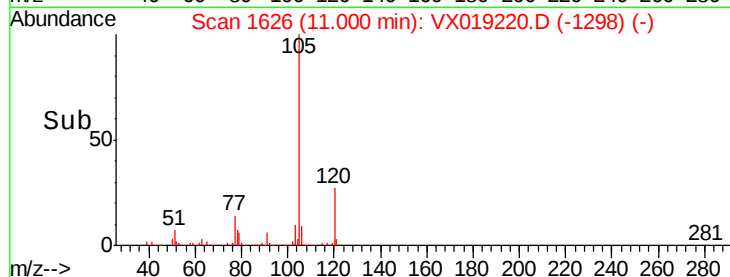
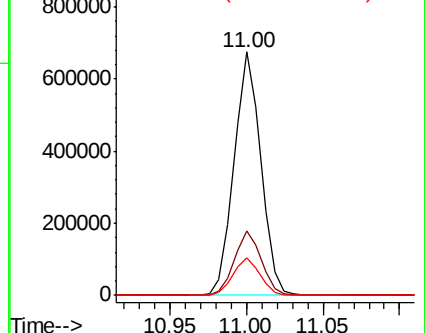
77 15.5 12.6 19.0



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: 52.538 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

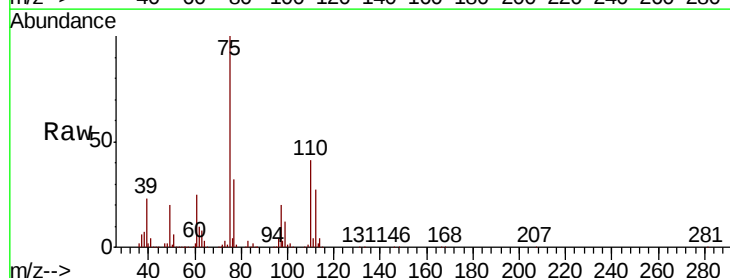
Tgt Ion: 75 Resp: 193841

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

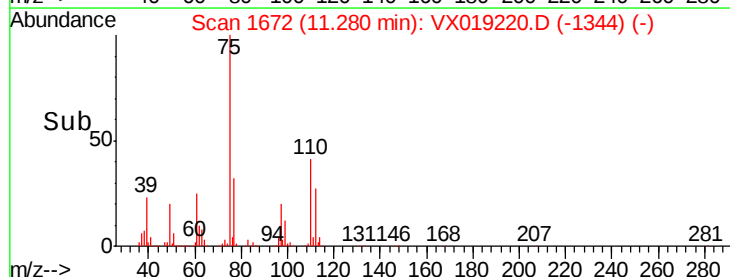
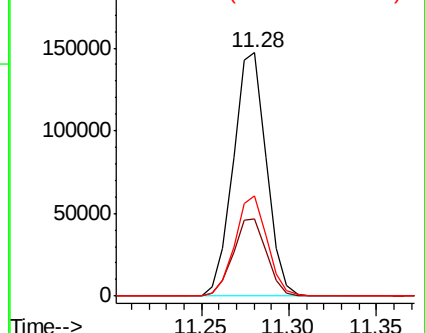
110 40.1 32.2 48.2

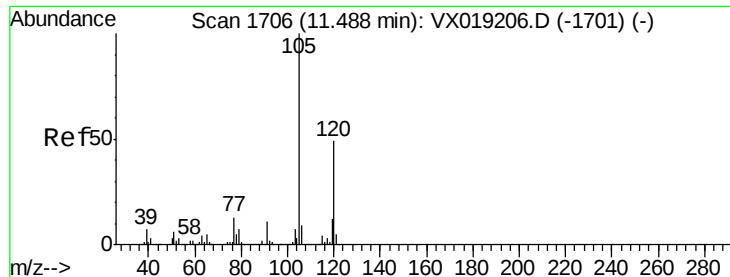


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 54.929 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019220.D

Acq: 03 Nov 2020 09:20

Instrument :

MSVOA_X

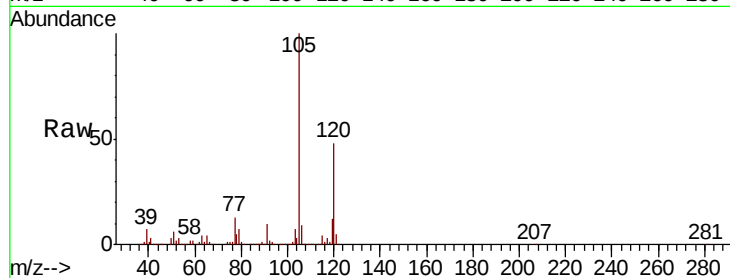
ClientSampleId :

Tot Ion:105 Resp: 664293

Ion Ratio Lower Upper

105 100

120 48.1 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

600000

500000

400000

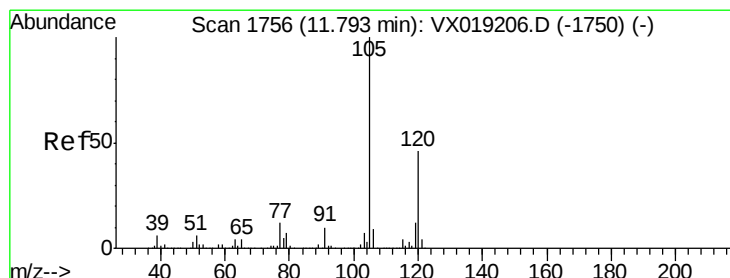
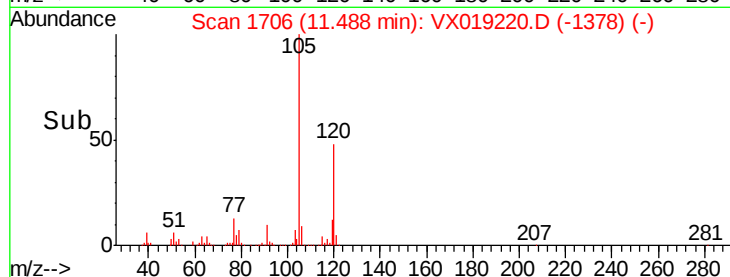
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 54.796 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019220.D

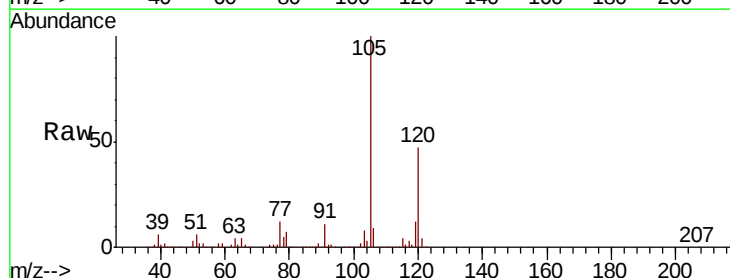
Acq: 03 Nov 2020 09:20

Tgt Ion:105 Resp: 626804

Ion Ratio Lower Upper

105 100

120 45.0 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

600000

500000

400000

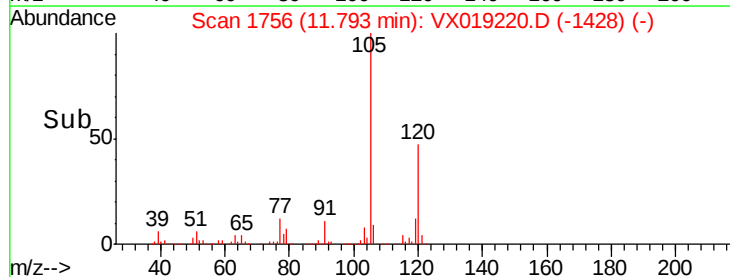
300000

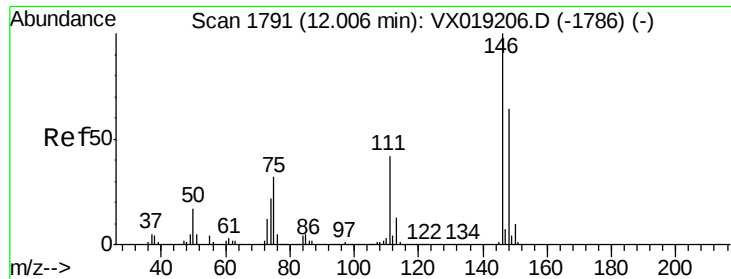
200000

100000

0

Time-->

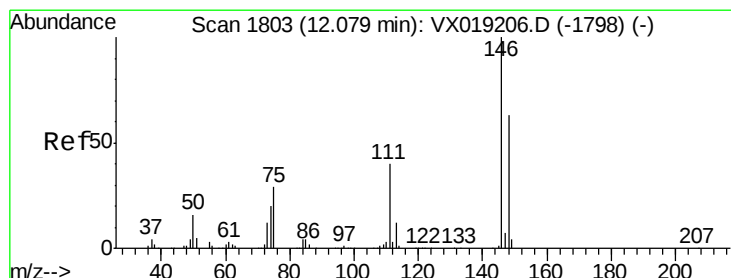
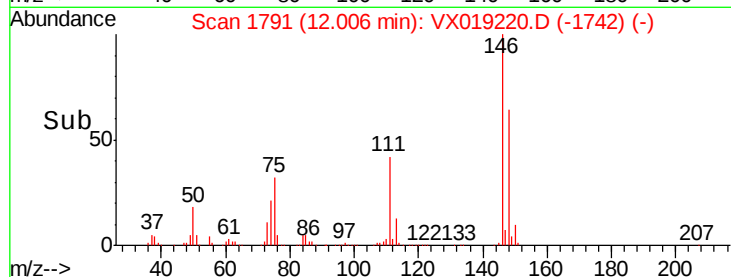
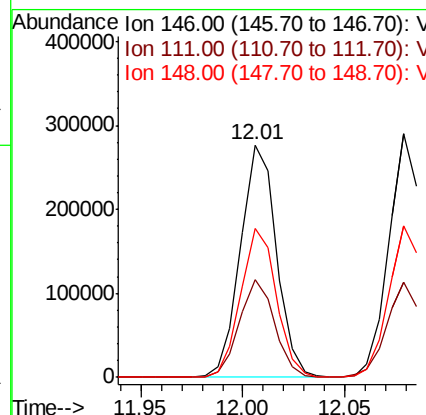
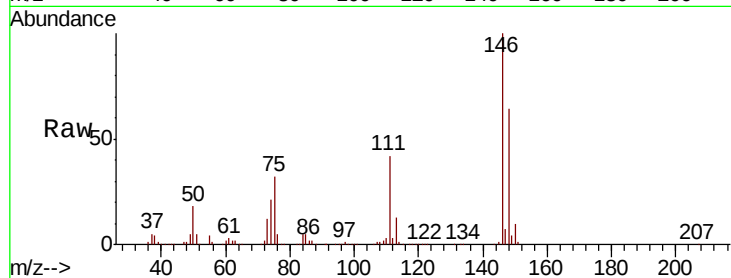




#64
 1,3-Dichlorobenzene
 Concen: 53.460 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

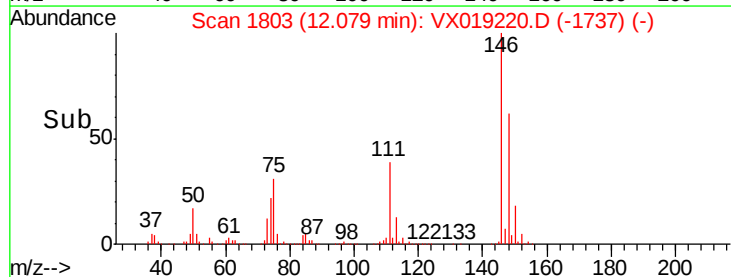
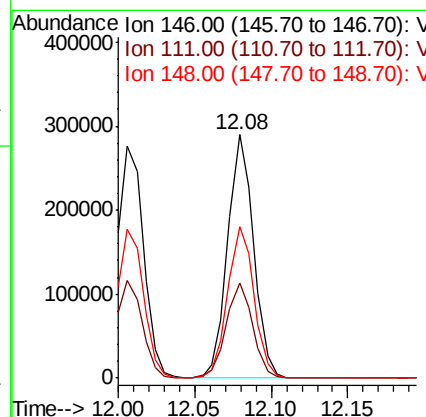
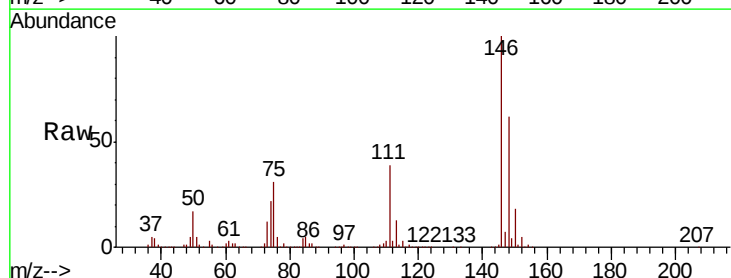
Instrument :
 MSVOA_X
 ClientSampleId :

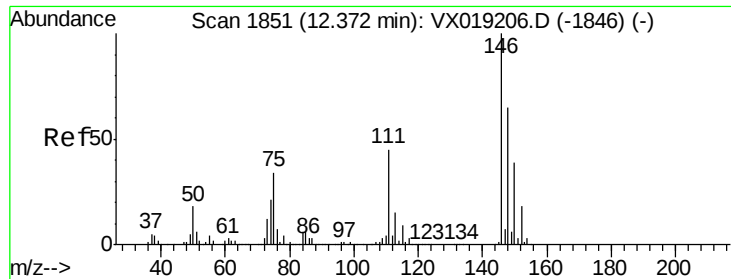
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.7	55.1
148	63.9	44.5	82.7



#65
 1,4-Dichlorobenzene
 Concen: 52.824 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	28.1	52.3
148	62.3	43.8	81.4

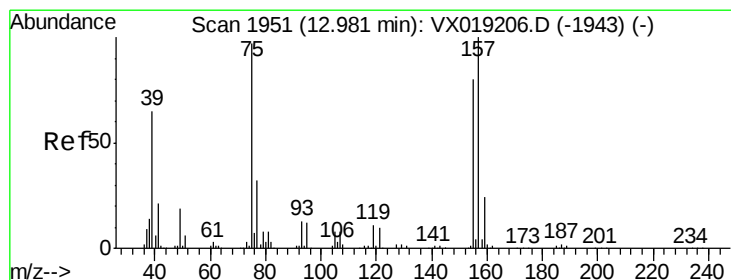
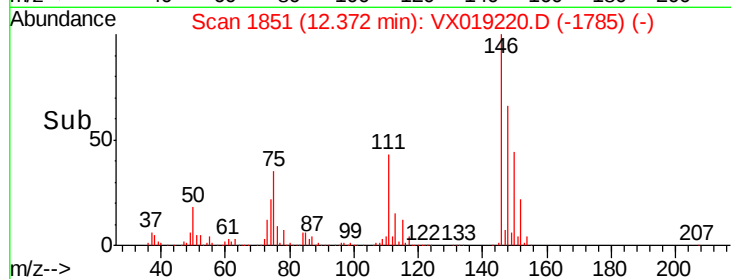
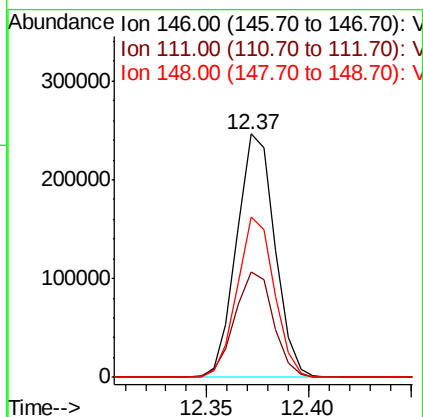
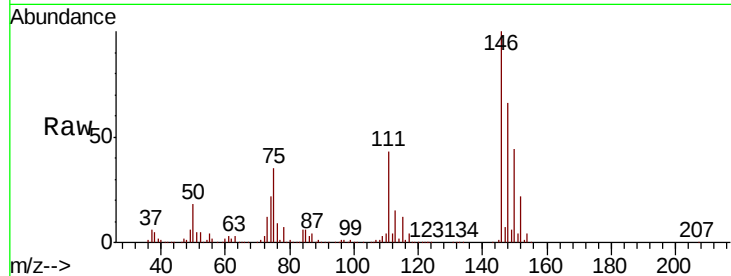




#67
 1,2-Dichlorobenzene
 Concen: 52.049 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

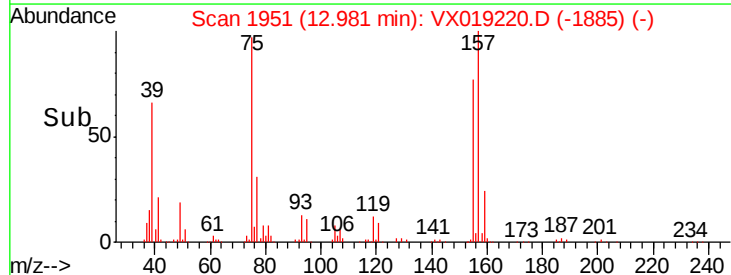
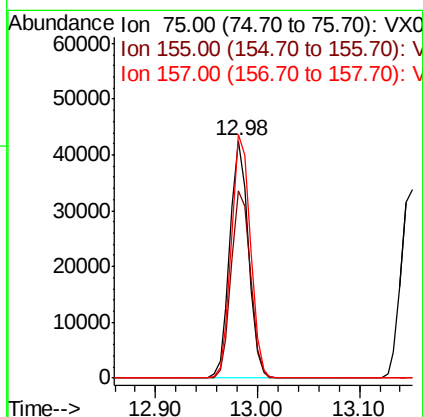
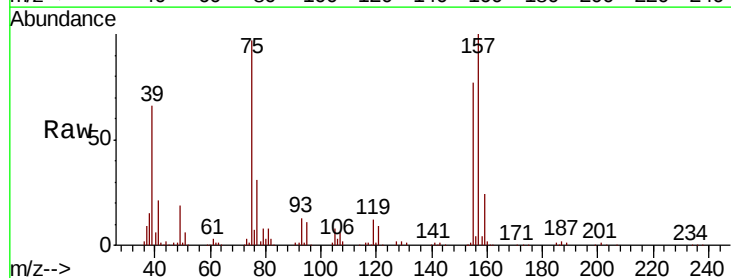
Instrument :
 MSVOA_X
 ClientSampleId :

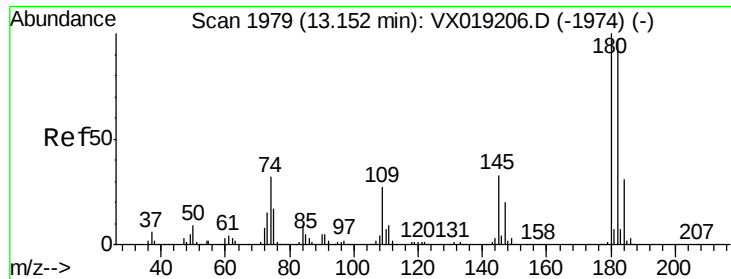
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	35.9	53.9
148	65.7	52.2	78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 53.258 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	65.8	98.8
157	102.6	82.6	123.8

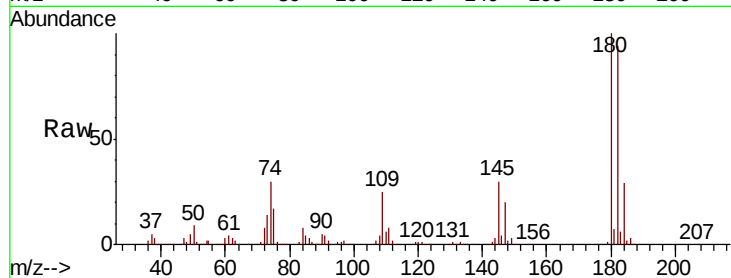




#69
 1,3,5-Trichlorobenzene
 Concen: 53.939 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.8	118.2
184	30.8	25.2	37.8
145	31.4	25.8	38.6



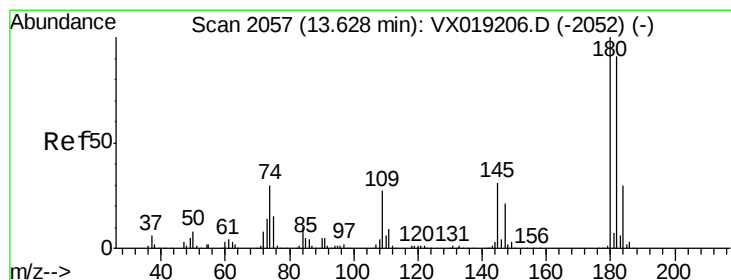
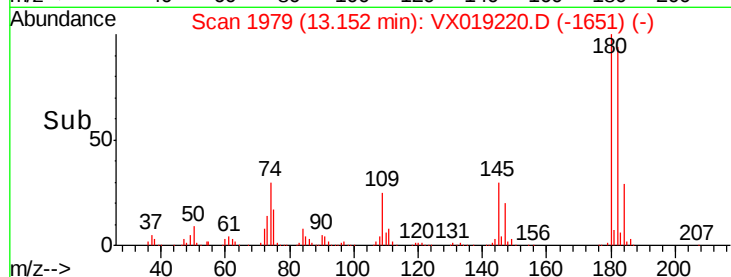
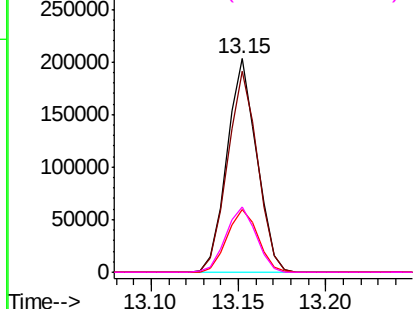
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

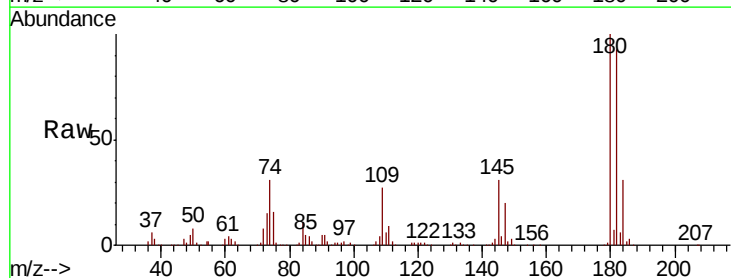
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 54.786 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019220.D
 Acq: 03 Nov 2020 09:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.6	111.8
145	31.2	25.4	38.0

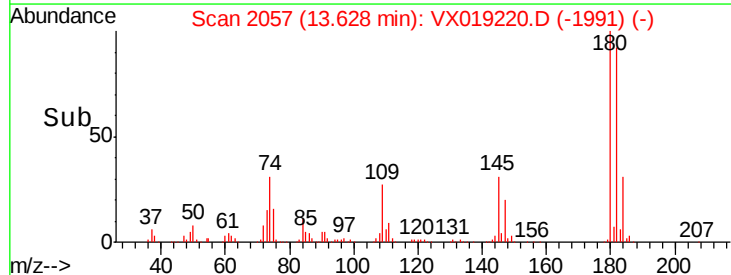
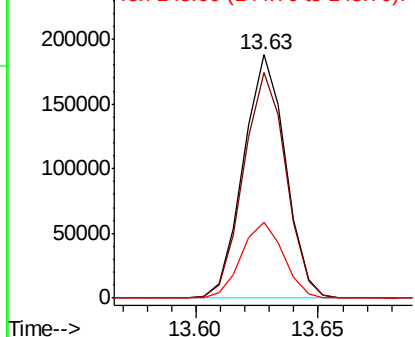


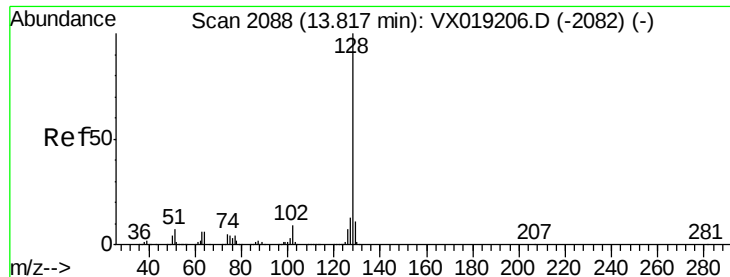
Abundance

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

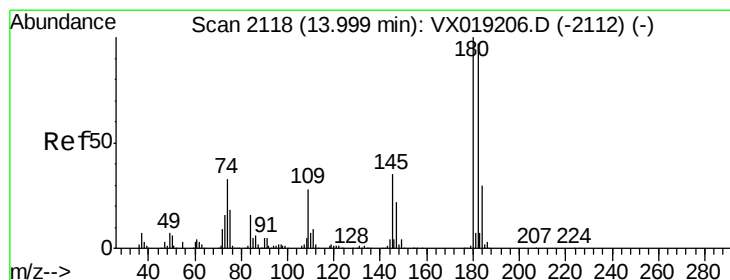
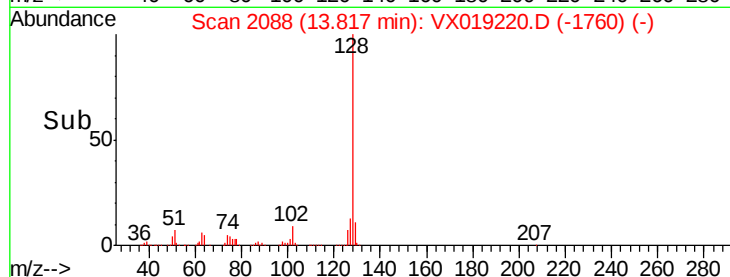
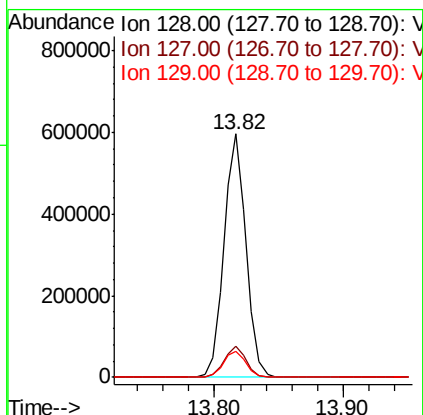
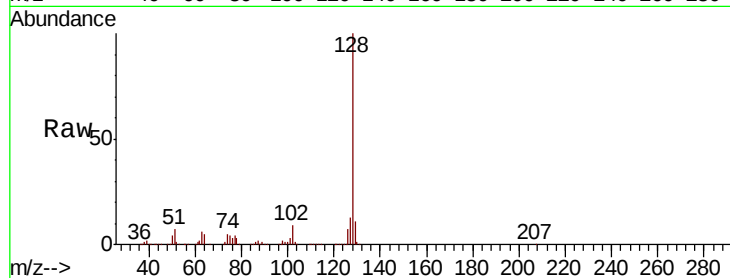




#71
Naphthalene
Concen: 53.949 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 714638
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 54.381 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019220.D
Acq: 03 Nov 2020 09:20

Tgt Ion:180 Resp: 218001
Ion Ratio Lower Upper
180 100
182 94.8 75.3 112.9
145 33.5 27.1 40.7

