

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX110320\
 Data File : VX019233.D
 Acq On : 03 Nov 2020 14:54
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 01:25:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	422804	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	401803	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	197344	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	159845	43.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.82%
7) Chloroethane-d5	1.70	69	131959	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.64%
11) 1,1-Dichloroethene-d2	2.34	63	283182	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.30%
21) 2-Butanone-d5	4.53	46	199707	107.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.54%
24) Chloroform-d	5.13	84	284838	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
26) 1,2-Dichloroethane-d4	6.03	65	189419	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.94%
32) Benzene-d6	6.04	84	581636	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	7.37	67	174601	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.82%
41) Toluene-d8	8.70	98	546237	43.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.28%
43) trans-1,3-Dichloropropene-	8.99	79	91737	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	9.43	63	161633	106.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.25%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	227760	52.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.84%
66) 1,2-Dichlorobenzene-d4	12.36	152	194598	49.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	138839	51.809	ug/L 99
3) Chloromethane	1.31	50	140720	51.691	ug/L 99
5) Vinyl chloride	1.39	62	162398	52.922	ug/L 98
6) Bromomethane	1.64	94	107474	53.000	ug/L 98
8) Chloroethane	1.71	64	105487	55.159	ug/L 99
9) Trichlorofluoromethane	1.92	101	245920	54.017	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	141696	53.964	ug/L 99
12) 1,1-Dichloroethene	2.35	96	134825	52.913	ug/L 94
13) Acetone	2.42	43	124209	108.234	ug/L 99
14) Carbon disulfide	2.55	76	391240	50.879	ug/L 99
15) Methyl Acetate	2.75	43	135257	54.007	ug/L 99
16) Methylene chloride	2.83	84	148889	52.400	ug/L 97
17) trans-1,2-Dichloroethene	3.14	96	142962	52.191	ug/L 99
18) Methyl tert-butyl Ether	3.16	73	462134	53.369	ug/L 100
19) 1,1-Dichloroethane	3.67	63	258296	53.068	ug/L 100
20) cis-1,2-Dichloroethene	4.56	96	160805	53.448	ug/L 98
22) 2-Butanone	4.63	43	198459	109.501	ug/L 100

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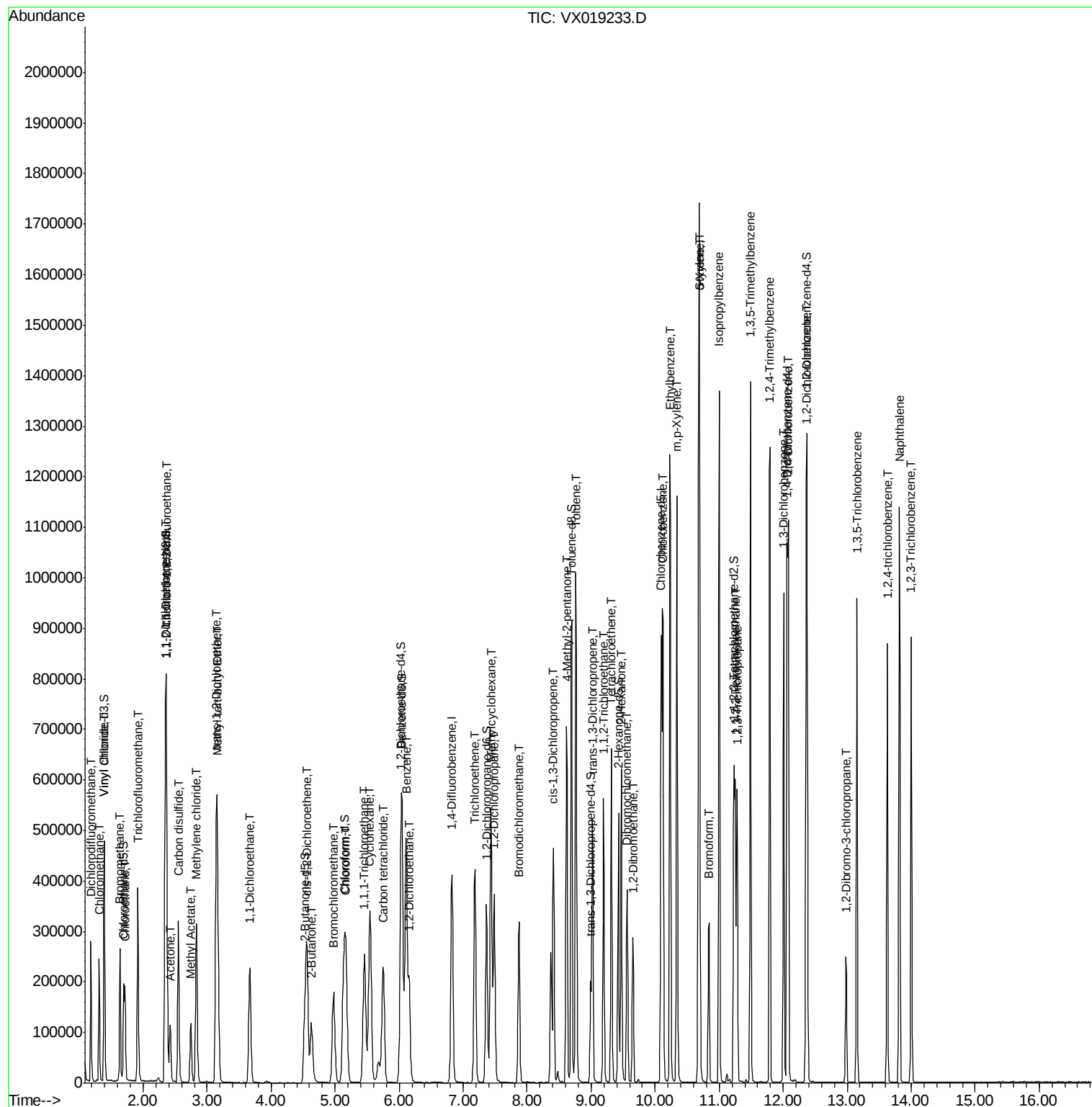
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	79201	52.269	ug/L	96
25) Chloroform	5.17	83	280946	54.990	ug/L	99
27) 1,2-Dichloroethane	6.15	62	216570	53.839	ug/L	99
29) Cyclohexane	5.54	56	238265	51.516	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	246933	50.980	ug/L	99
31) Carbon tetrachloride	5.75	117	211774	50.889	ug/L	100
33) Benzene	6.11	78	595524	51.622	ug/L	100
34) Trichloroethene	7.18	95	161345	51.246	ug/L	99
35) Methylcyclohexane	7.44	83	254890	51.146	ug/L	99
37) 1,2-Dichloropropane	7.48	63	150172	52.410	ug/L	100
38) Bromodichloromethane	7.87	83	202694	50.866	ug/L	98
39) cis-1,3-Dichloropropene	8.41	75	244930	51.450	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	381998	109.009	ug/L	100
42) Toluene	8.76	91	655409	52.230	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	237990	51.314	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	149472	53.101	ug/L	98
46) Tetrachloroethene	9.32	164	121790	51.271	ug/L	95
48) 2-Hexanone	9.47	43	303475	109.901	ug/L	99
49) Dibromochloromethane	9.56	129	163016	52.944	ug/L	97
50) 1,2-Dibromoethane	9.65	107	155662	52.875	ug/L	99
51) Chlorobenzene	10.12	112	412668	52.884	ug/L	98
52) Ethylbenzene	10.23	91	725869	53.508	ug/L	100
53) m,p-Xylene	10.34	106	273278	53.624	ug/L	97
54) o-Xylene	10.68	106	266183	53.946	ug/L	97
55) Styrene	10.69	104	459455	55.196	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	216065	55.999	ug/L	98
59) Bromoform	10.84	173	114272	53.456	ug/L	99
60) Isopropylbenzene	11.00	105	714186	53.324	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	184849	54.990	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	601412	54.583	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	568280	54.529	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	312222	53.995	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	309350	52.724	ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	294391	52.580	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	47996	52.428	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	217904	53.807	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	197009	52.783	ug/L	96
71) Naphthalene	13.82	128	662031	54.856	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	200228	54.822	ug/L	100

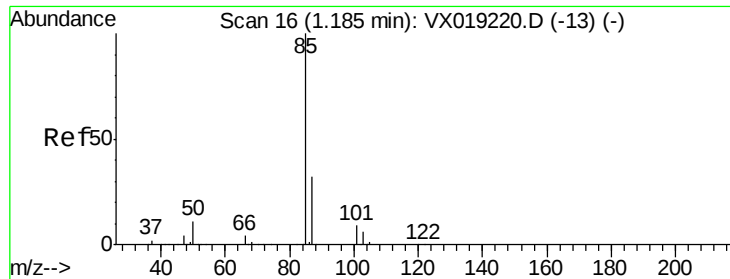
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.809 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

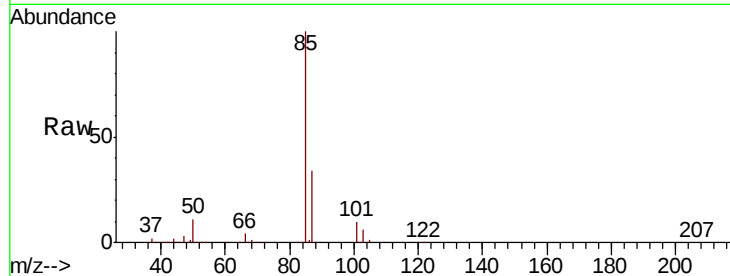
ClientSampleId :

Tot Ion: 85 Resp: 138839

Ion Ratio Lower Upper

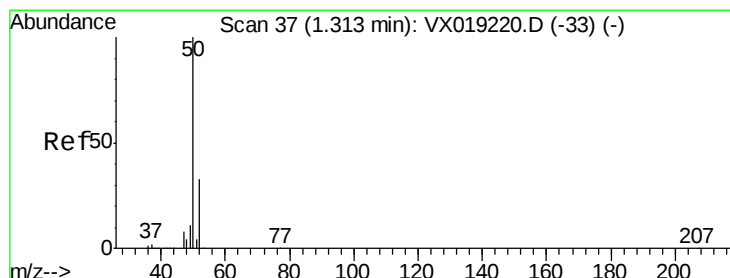
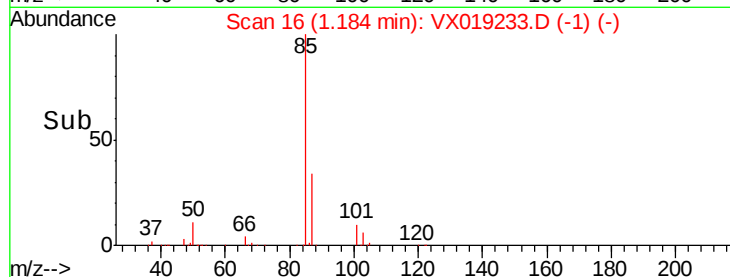
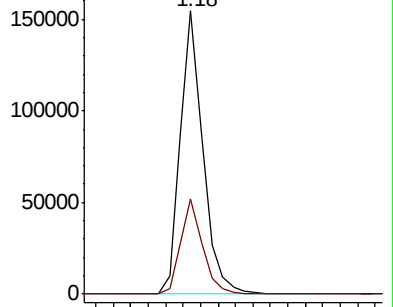
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 51.691 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019233.D

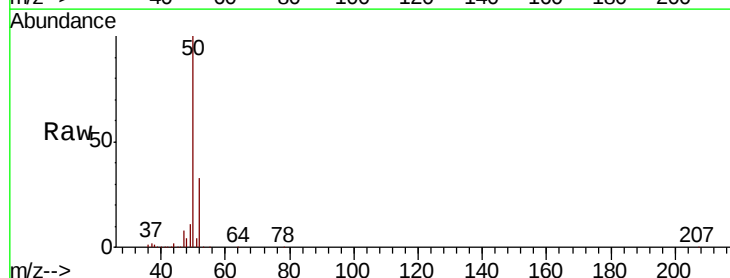
Acq: 03 Nov 2020 14:54

Tgt Ion: 50 Resp: 140720

Ion Ratio Lower Upper

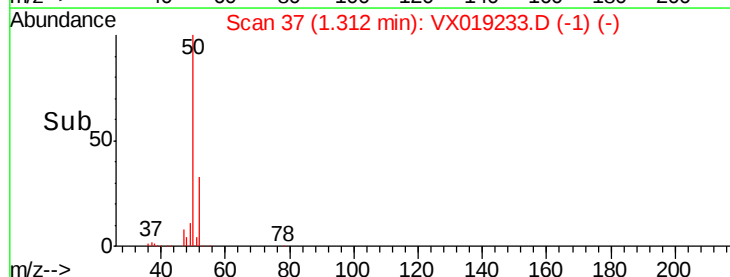
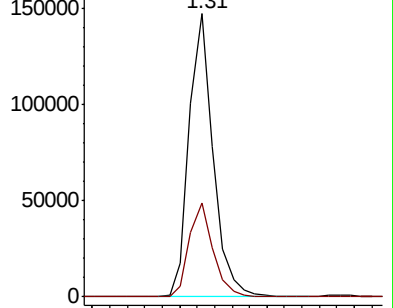
50 100

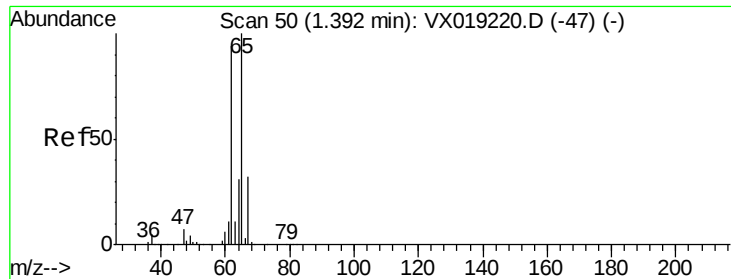
52 33.3 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 52.922 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

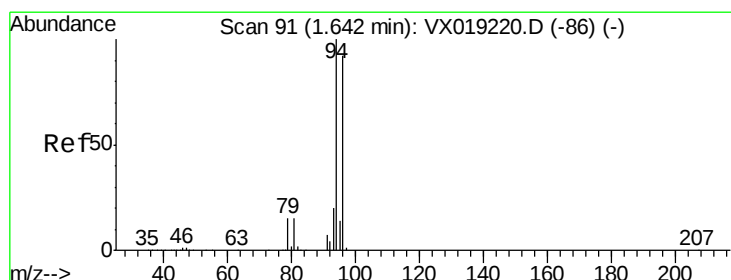
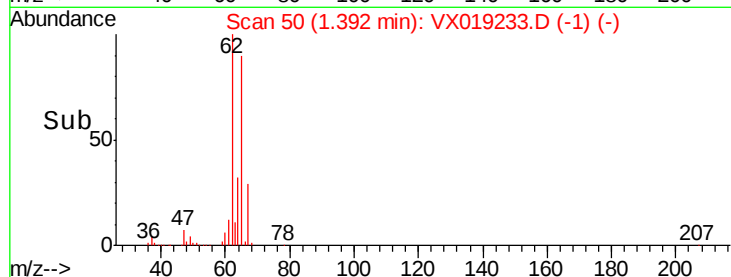
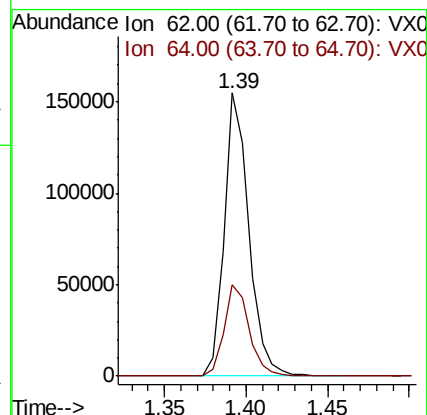
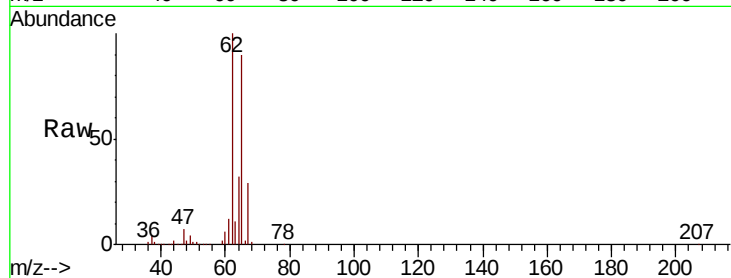
ClientSampleId :

Tot Ion: 62 Resp: 162398

Ion Ratio Lower Upper

62 100

64 32.5 23.4 43.6



#6

Bromomethane

Concen: 53.000 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX019233.D

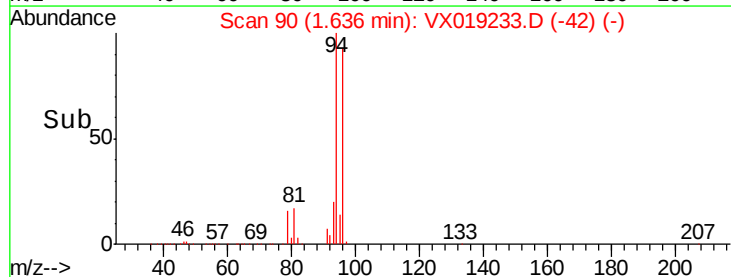
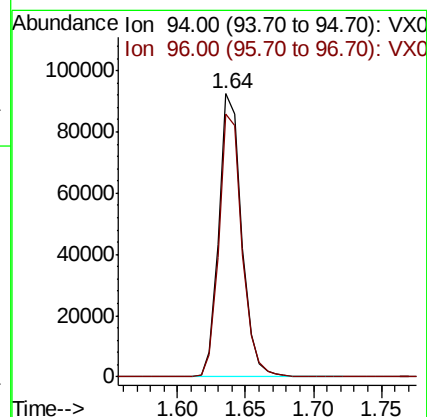
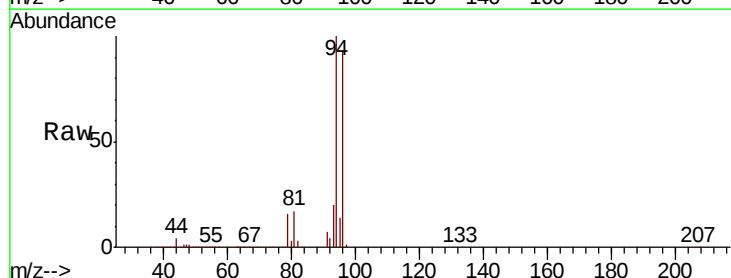
Acq: 03 Nov 2020 14:54

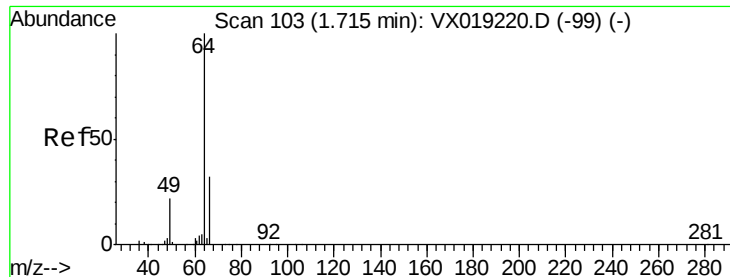
Tgt Ion: 94 Resp: 107474

Ion Ratio Lower Upper

94 100

96 92.8 66.0 122.6

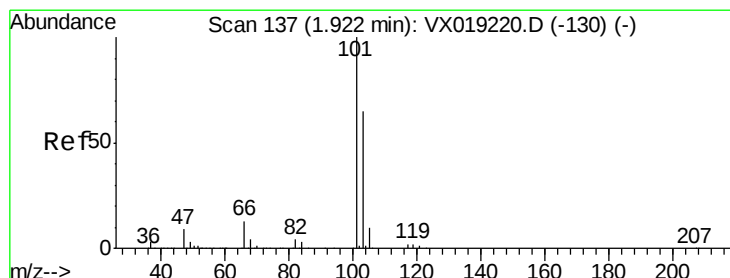
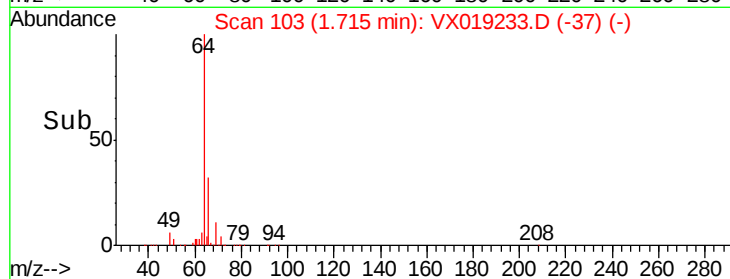
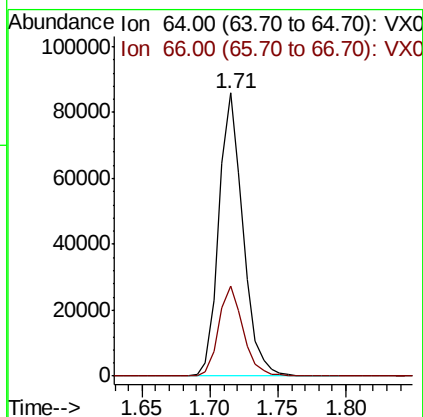
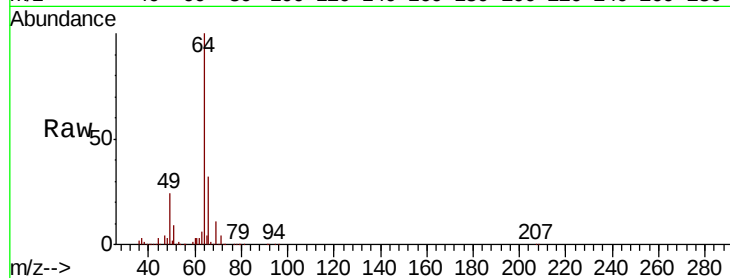




#8
Chloroethane
Concen: 55.159 ug/L
RT: 1.71 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

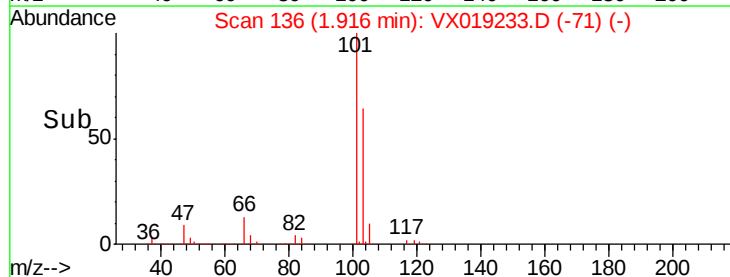
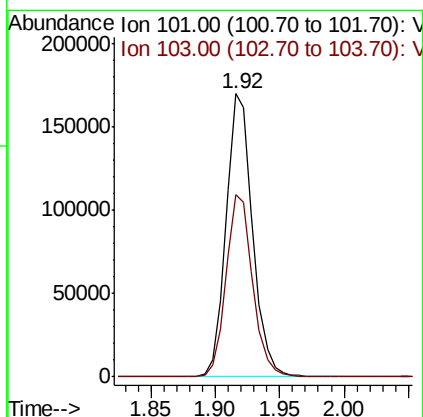
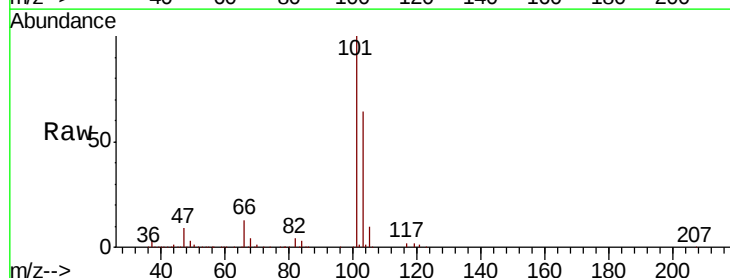
Instrument :
MSVOA_X
ClientSampleId :

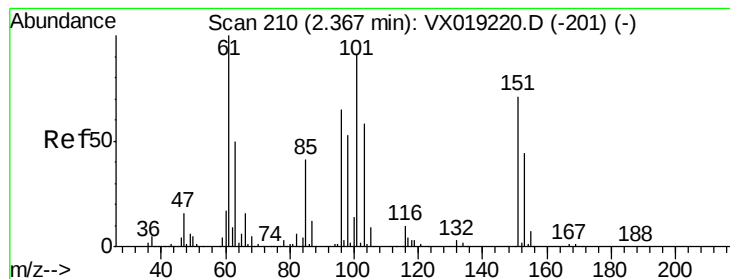
Tot Ion: 64 Resp: 105487
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 54.017 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

Tgt Ion: 101 Resp: 245920
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9





#10

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

Concen: 53.964 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampled :

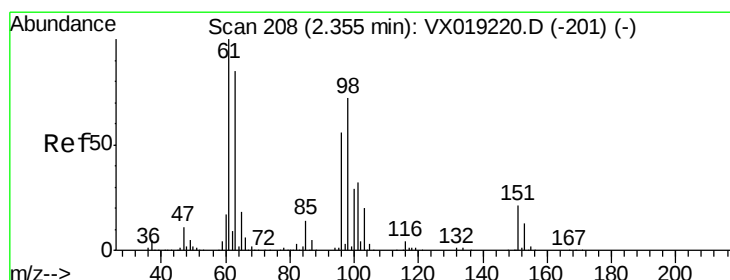
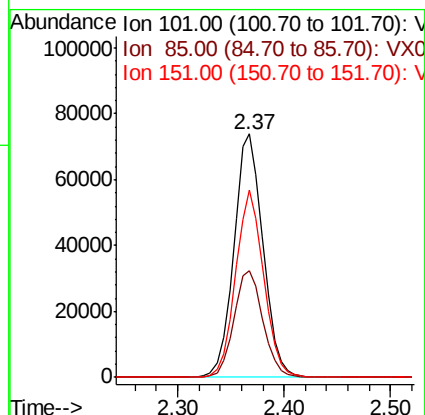
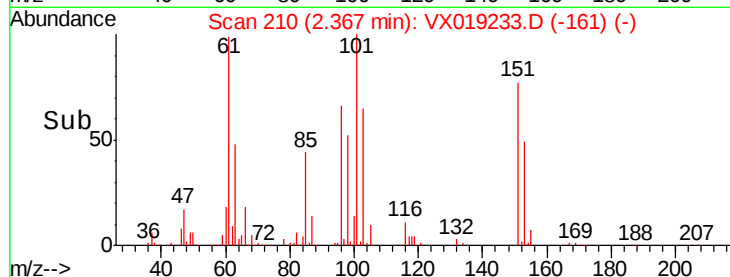
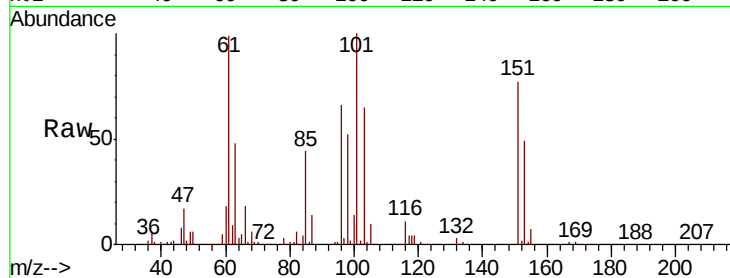
Tot Ion:101 Resp: 141696

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

151 74.1 59.9 89.9



#12

1,1-Dichloroethene

Concen: 52.913 ug/L

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

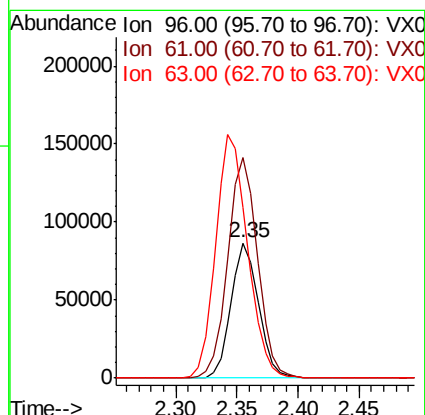
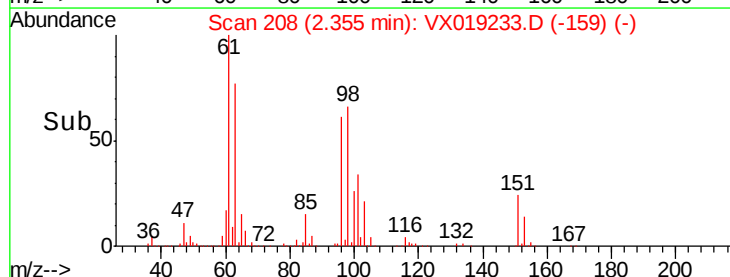
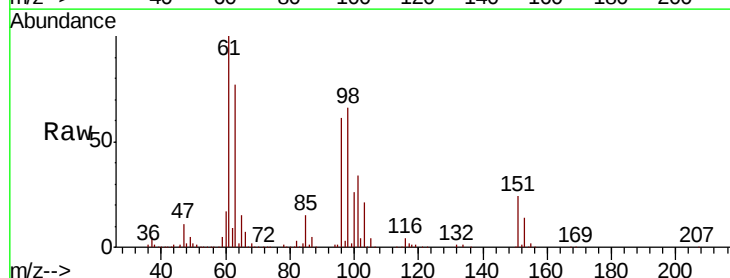
Tgt Ion: 96 Resp: 134825

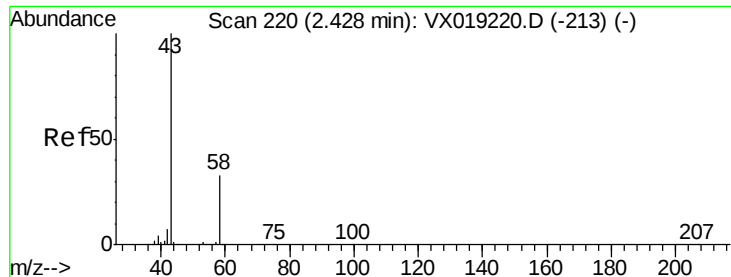
Ion Ratio Lower Upper

96 100

61 163.6 115.1 213.8

63 126.4 78.3 145.5





#13

Acetone

Concen: 108.234 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

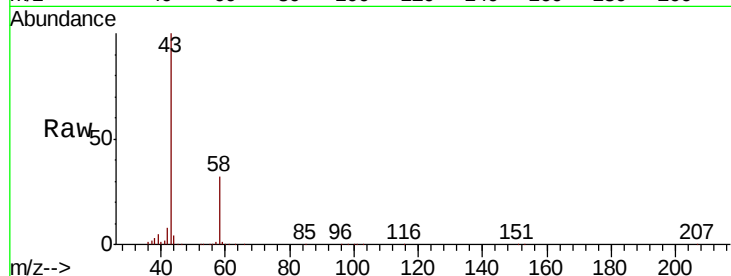
ClientSampleId :

Tot Ion: 43 Resp: 124209

Ion Ratio Lower Upper

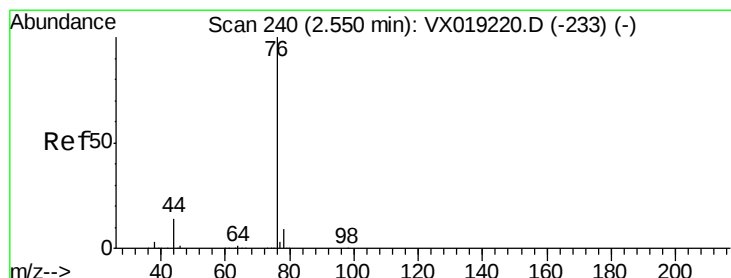
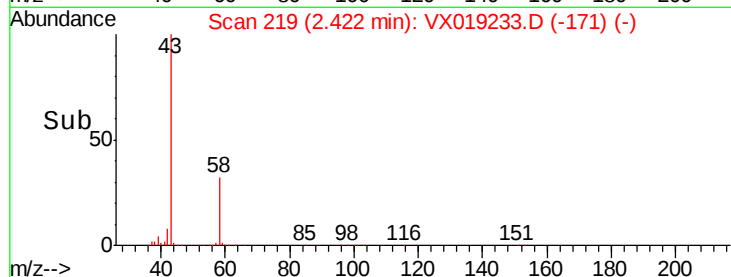
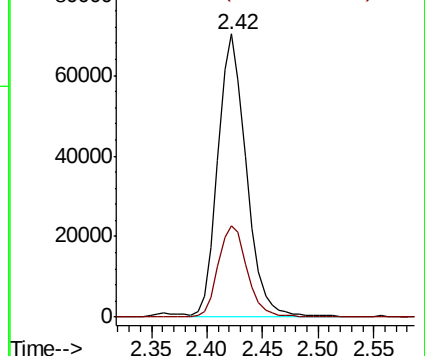
43 100

58 33.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 50.879 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019233.D

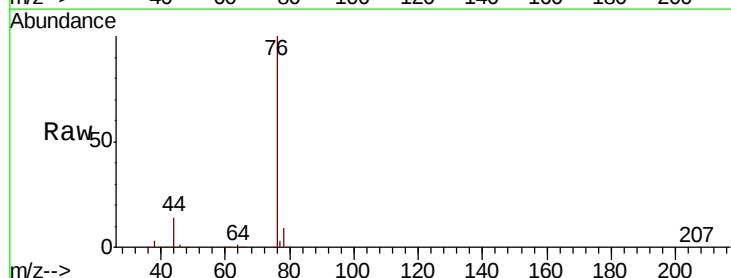
Acq: 03 Nov 2020 14:54

Tgt Ion: 76 Resp: 391240

Ion Ratio Lower Upper

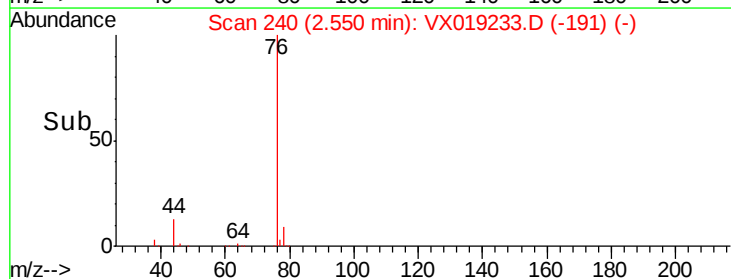
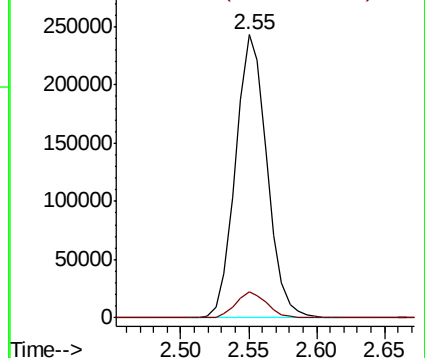
76 100

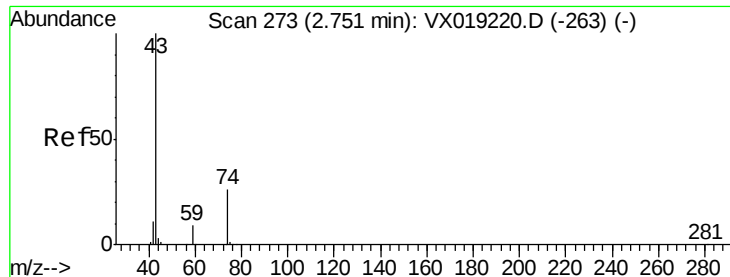
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

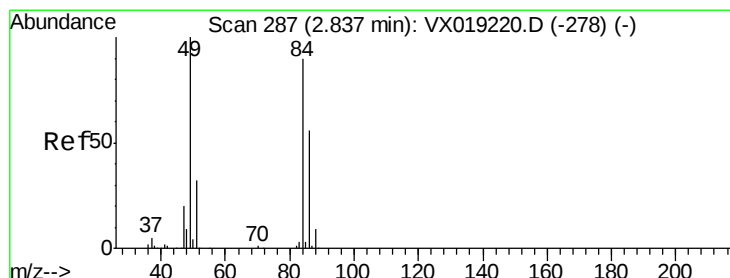
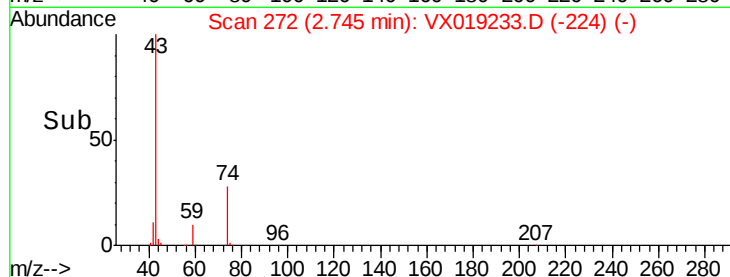
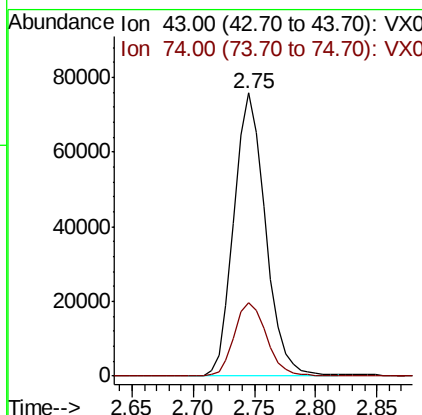
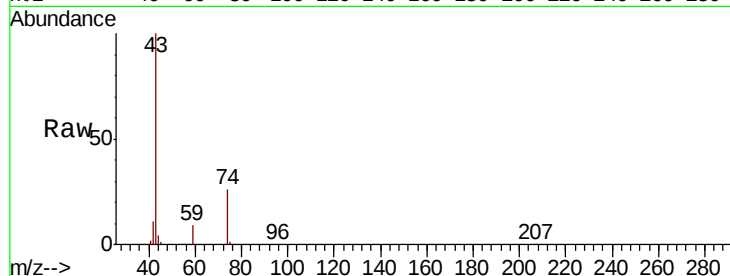




#15
Methyl Acetate
Concen: 54.007 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

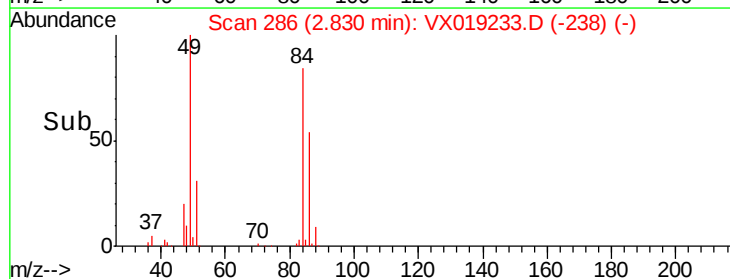
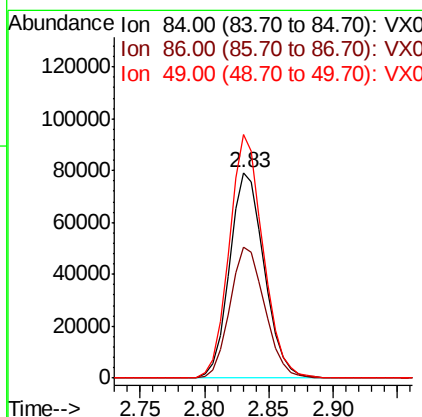
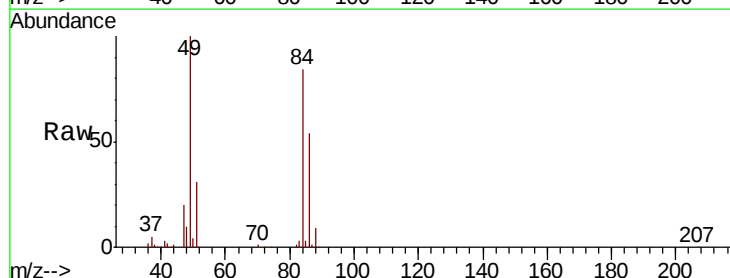
Instrument :
MSVOA_X
ClientSampleId :

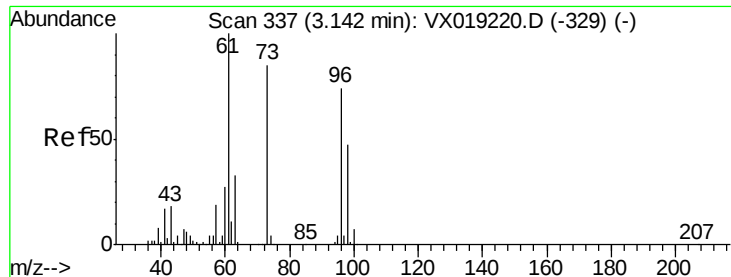
Tot Ion: 43 Resp: 135257
Ion Ratio Lower Upper
43 100
74 26.7 21.8 32.8



#16
Methylene chloride
Concen: 52.400 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

Tgt Ion: 84 Resp: 148889
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.6
49 118.5 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 52.191 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

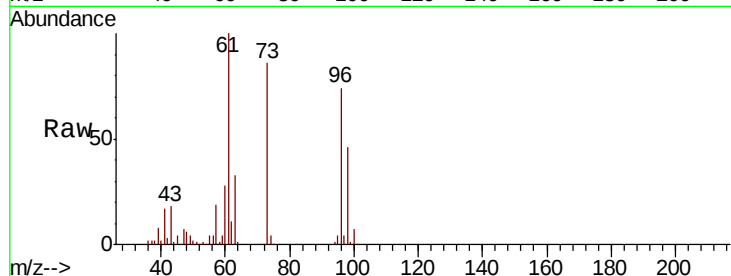
Tot Ion: 96 Resp: 142962

Ion Ratio Lower Upper

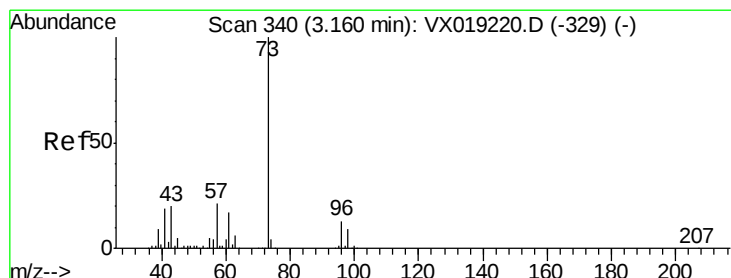
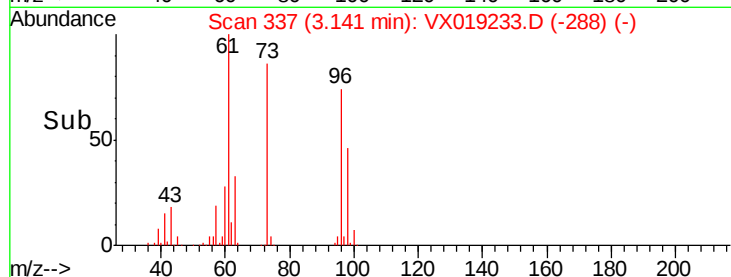
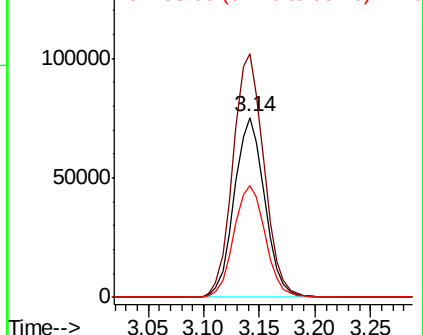
96 100

61 135.4 95.7 177.7

98 61.9 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: 53.369 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

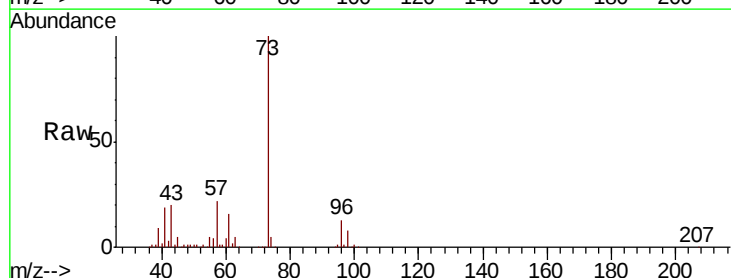
Tgt Ion: 73 Resp: 462134

Ion Ratio Lower Upper

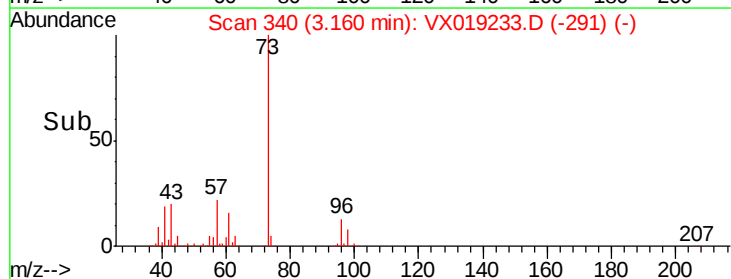
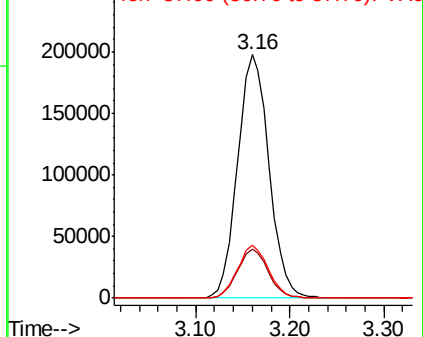
73 100

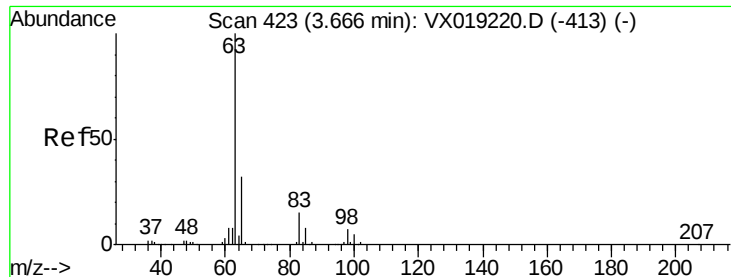
43 19.7 15.8 23.6

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: 53.068 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampled :

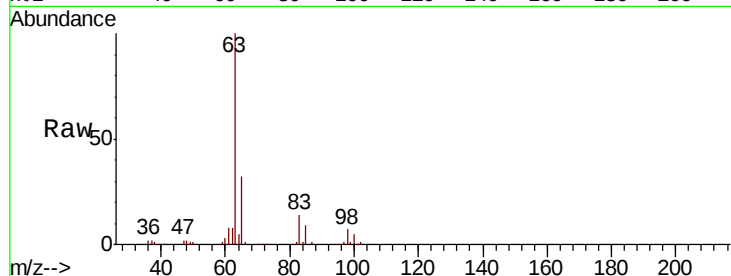
Tot Ion: 63 Resp: 258296

Ion Ratio Lower Upper

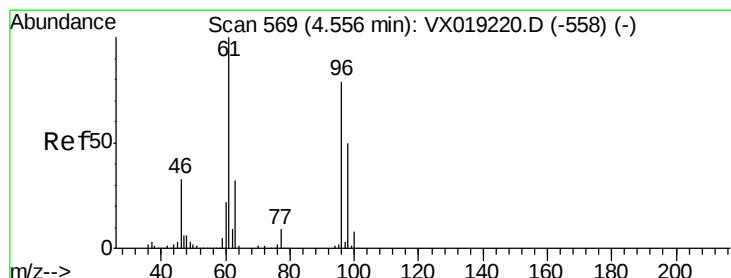
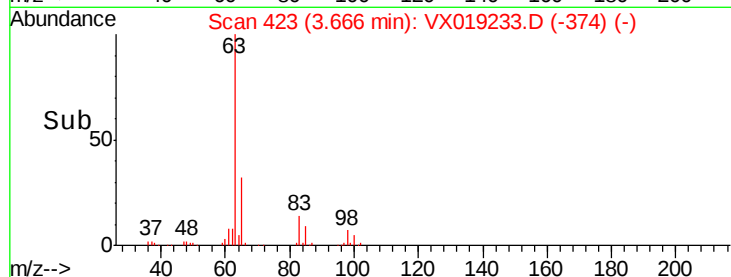
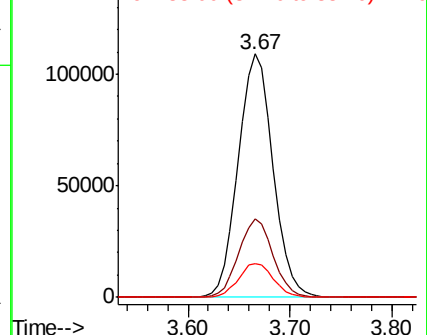
63 100

65 32.0 22.3 41.3

83 13.7 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: 53.448 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

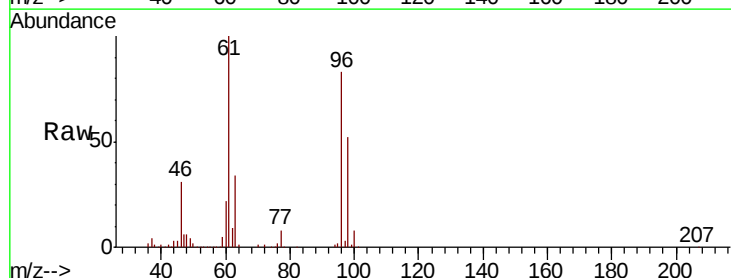
Tgt Ion: 96 Resp: 160805

Ion Ratio Lower Upper

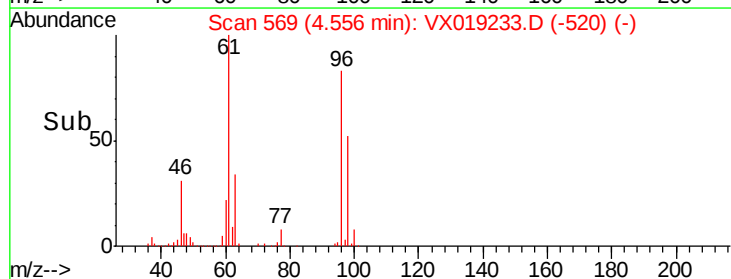
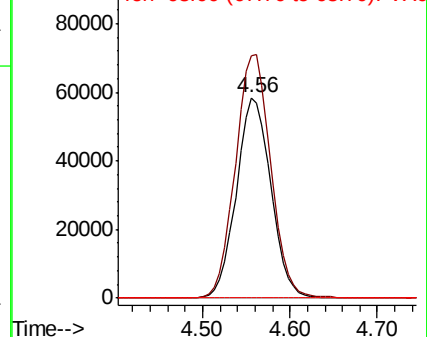
96 100

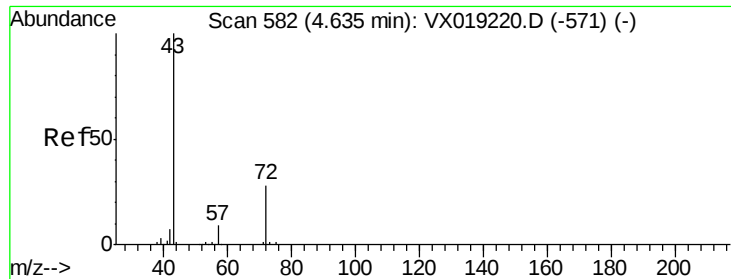
61 121.1 86.1 159.9

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: 109.501 ug/L

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

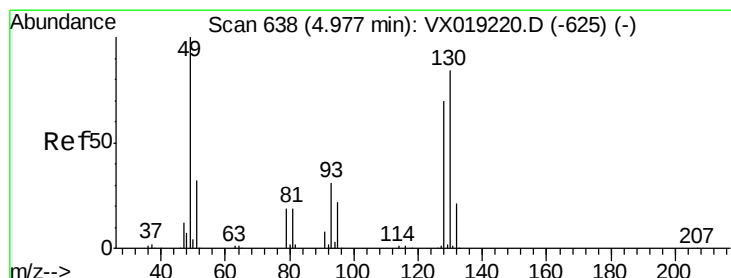
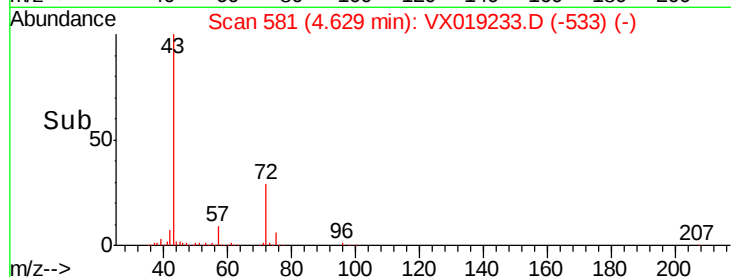
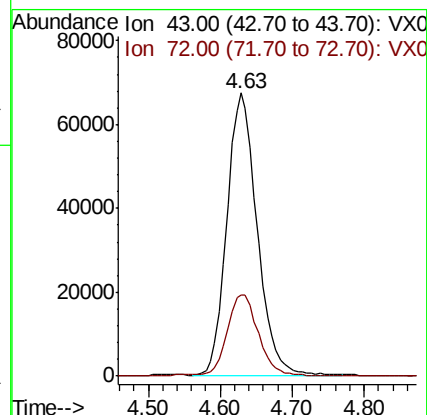
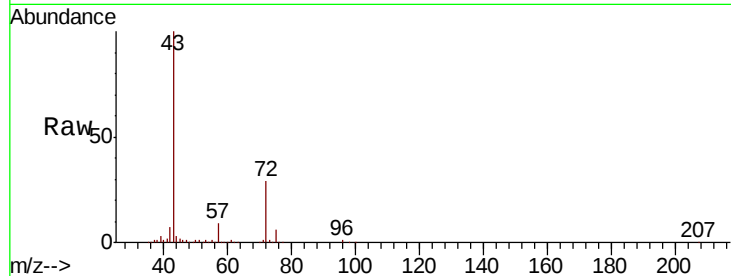
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 198459

Ion Ratio Lower Upper

43 100

72 29.7 15.0 45.0



#23

Bromochloromethane

Concen: 52.269 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Tgt Ion:128 Resp: 79201

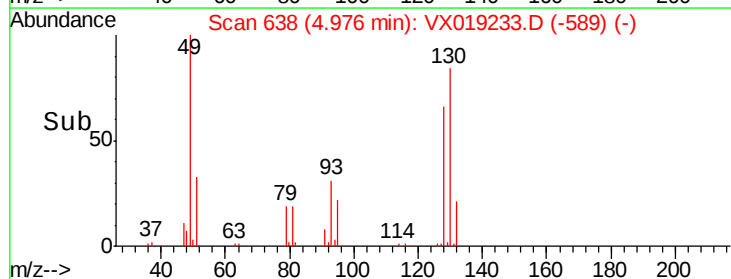
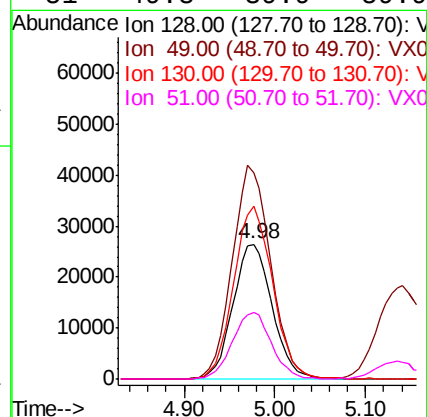
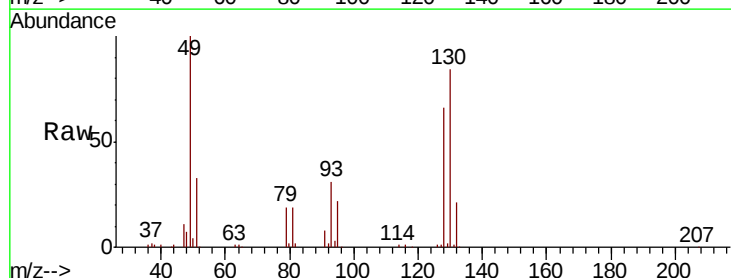
Ion Ratio Lower Upper

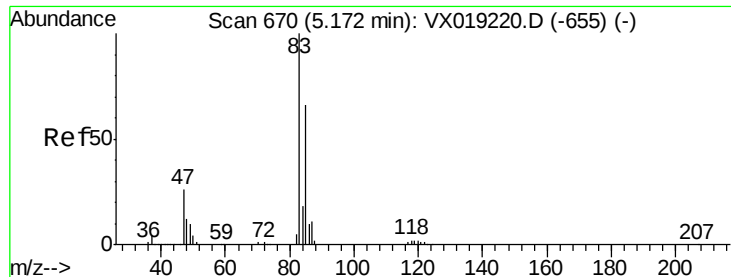
128 100

49 152.6 108.4 201.4

130 128.0 96.7 179.7

51 49.8 39.9 59.9





#25

Chloroform

Concen: 54.990 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

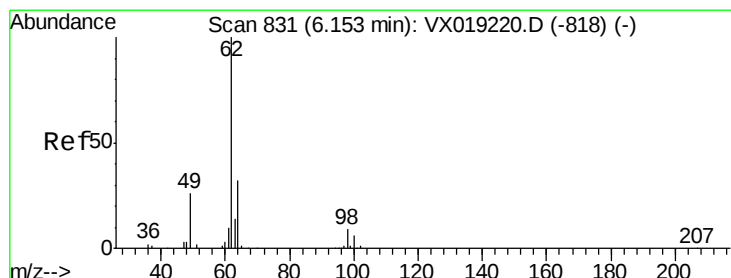
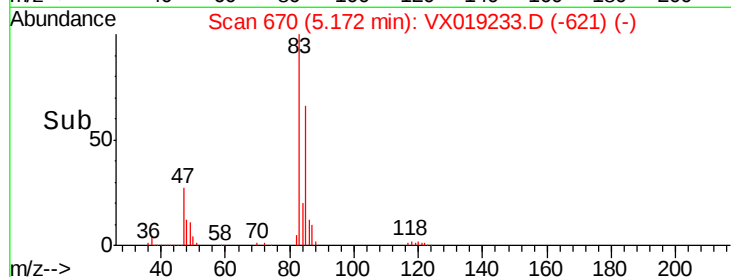
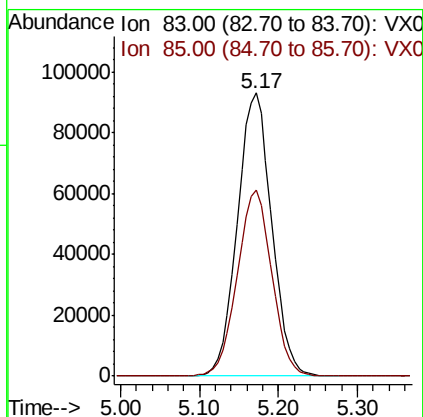
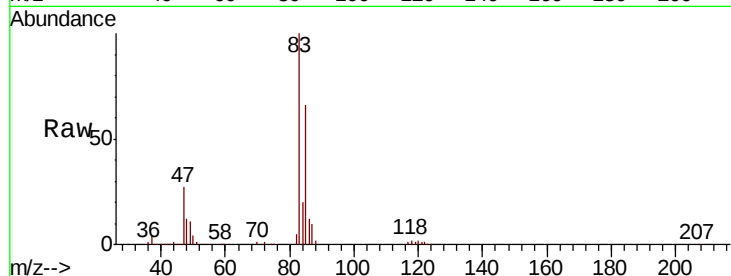
ClientSampled :

Tot Ion: 83 Resp: 280946

Ion Ratio Lower Upper

83 100

85 65.9 46.5 86.3



#27

1,2-Dichloroethane

Concen: 53.839 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.00 min

Lab File: VX019233.D

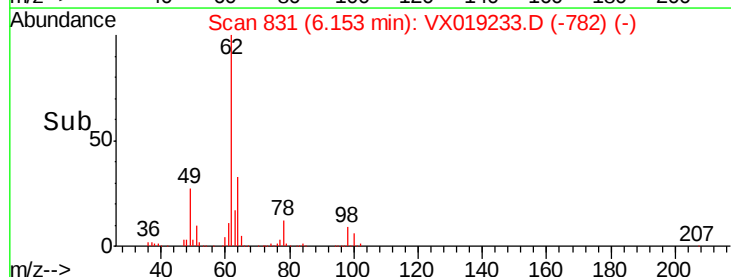
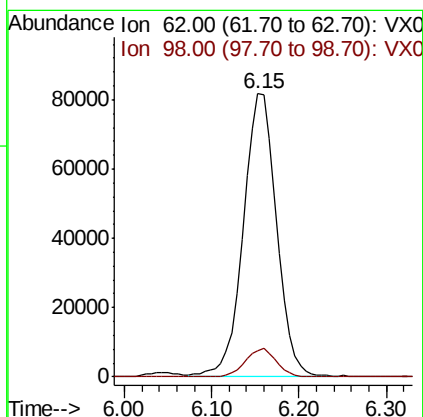
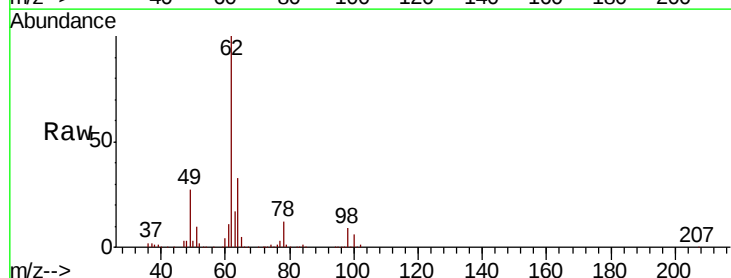
Acq: 03 Nov 2020 14:54

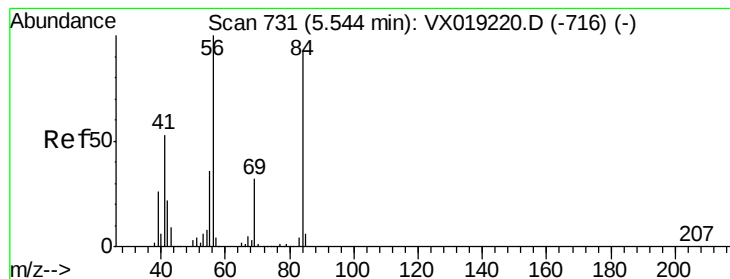
Tgt Ion: 62 Resp: 216570

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4





#29

Cvclohexane

Concen: 51.516 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampled :

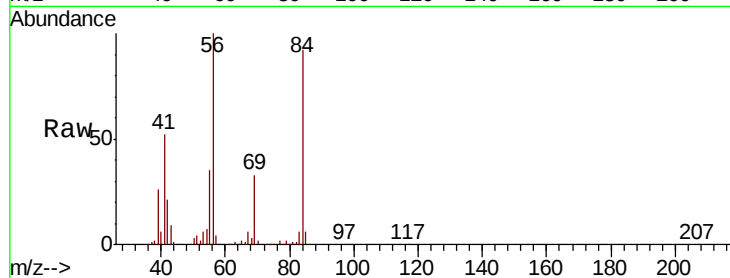
Tot Ion: 56 Resp: 238265

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

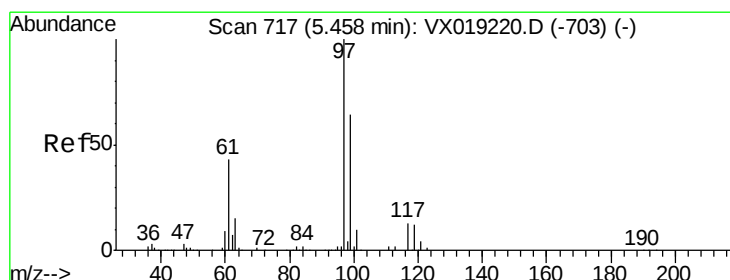
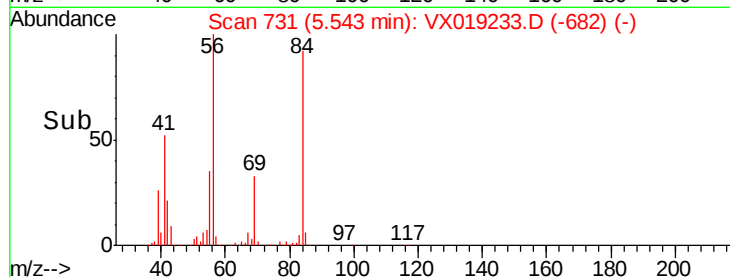
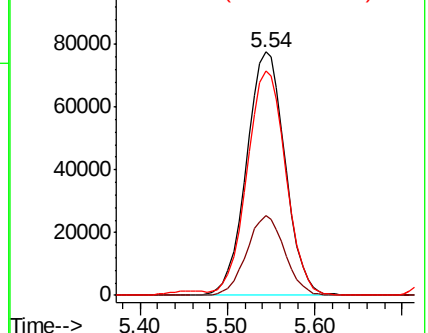
84 92.9 73.6 110.4



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: 50.980 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

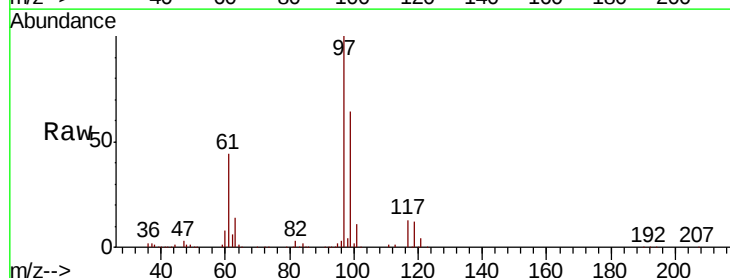
Tgt Ion: 97 Resp: 246933

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

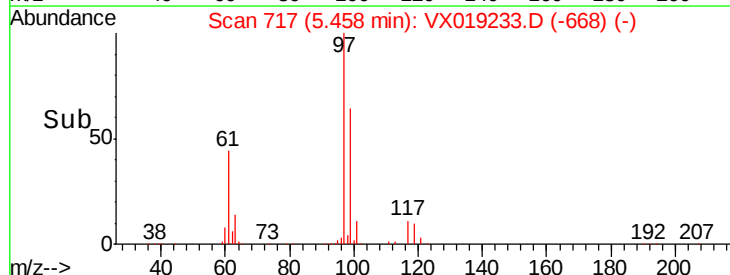
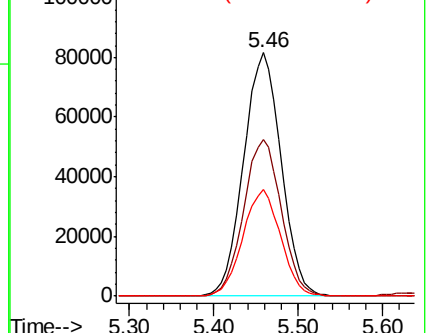
61 44.1 34.8 52.2

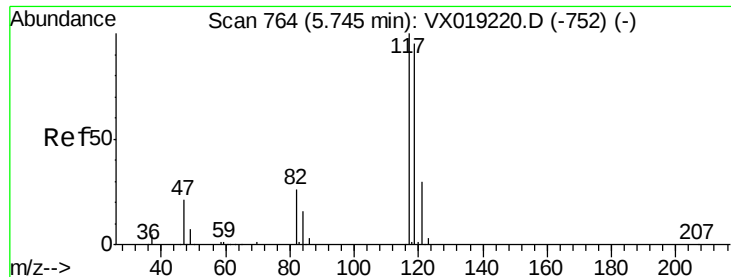


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.05 (60.75 to 61.75): VX0



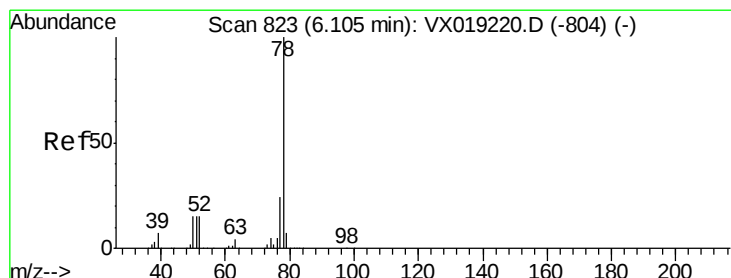
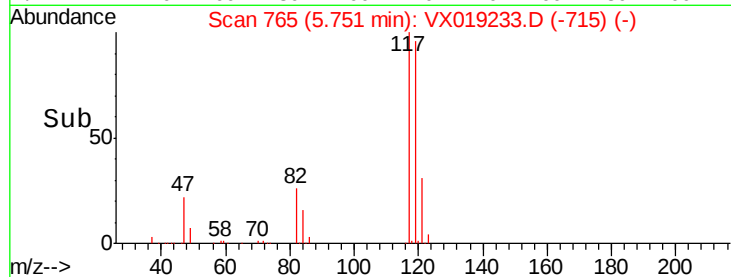
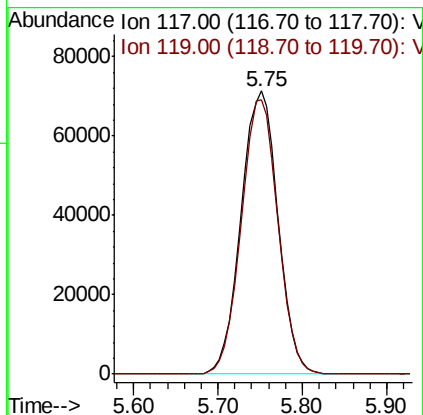
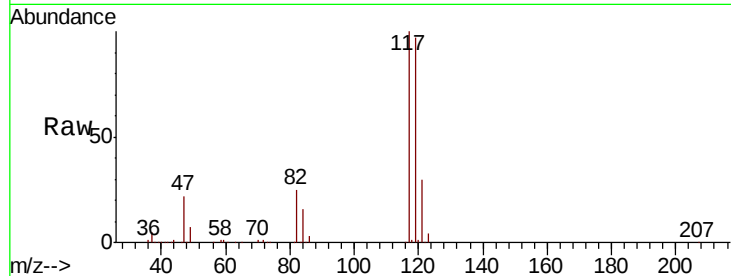


#31

Carbon tetrachloride
 Concen: 50.889 ug/L
 RT: 5.75 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Instrument :
 MSVOA_X
 ClientSampleId :

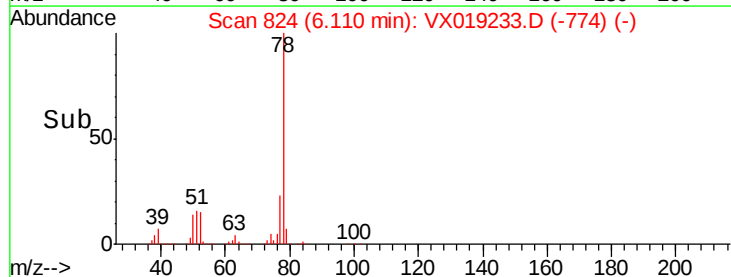
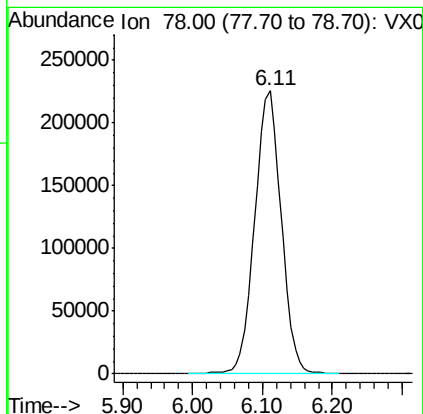
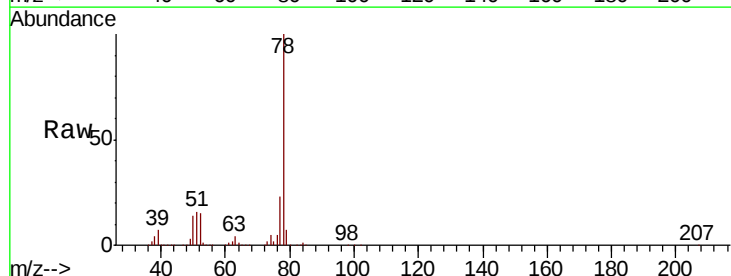
Tot Ion:117 Resp: 211774
 Ion Ratio Lower Upper
 117 100
 119 96.2 76.9 115.3

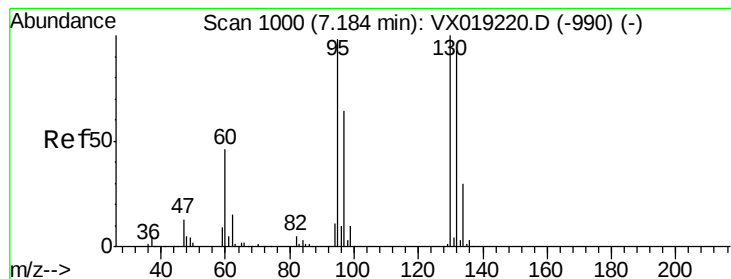


#33

Benzene
 Concen: 51.622 ug/L
 RT: 6.11 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion: 78 Resp: 595524





#34

Trichloroethene

Concen: 51.246 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 95 Resp: 161345

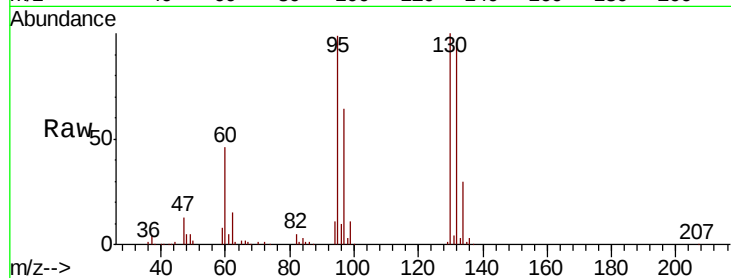
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 97.1 67.3 124.9

130 101.0 69.9 129.9

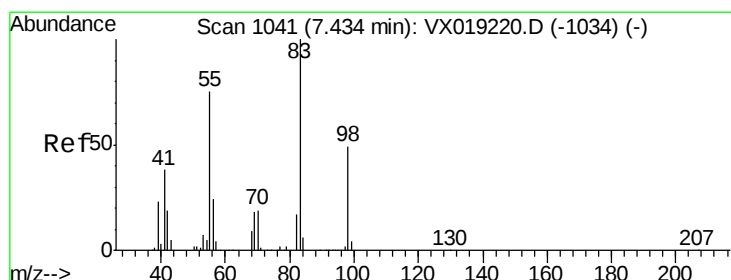
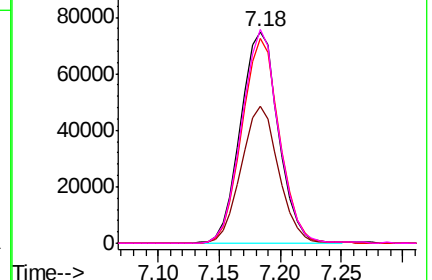
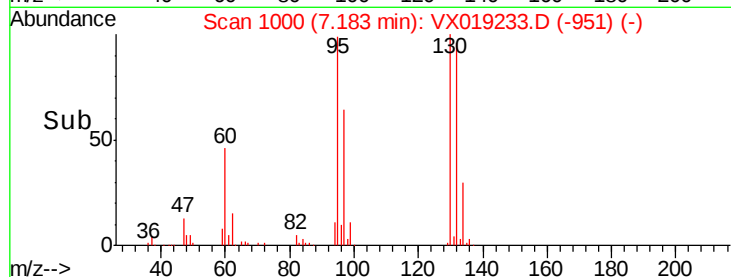


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 51.146 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

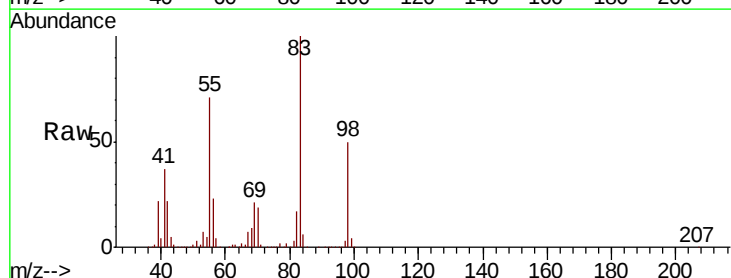
Tgt Ion: 83 Resp: 254890

Ion Ratio Lower Upper

83 100

55 73.8 58.6 87.8

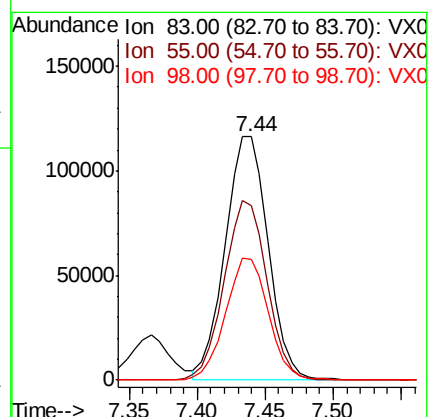
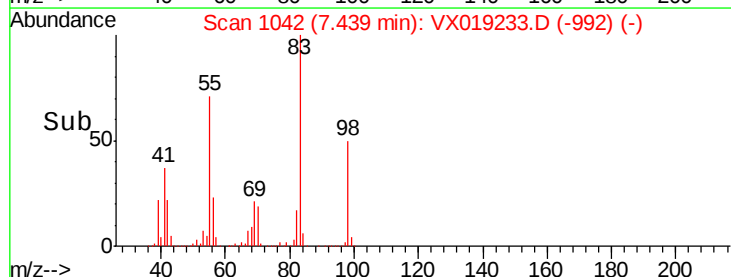
98 50.2 39.0 58.6

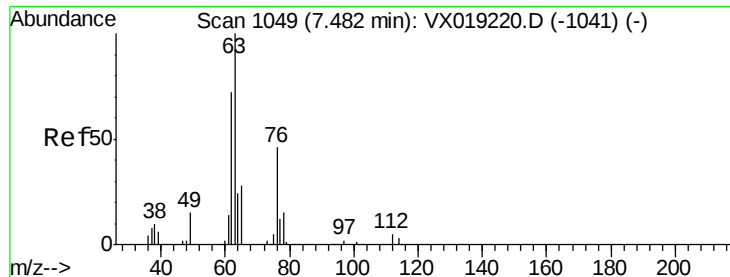


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

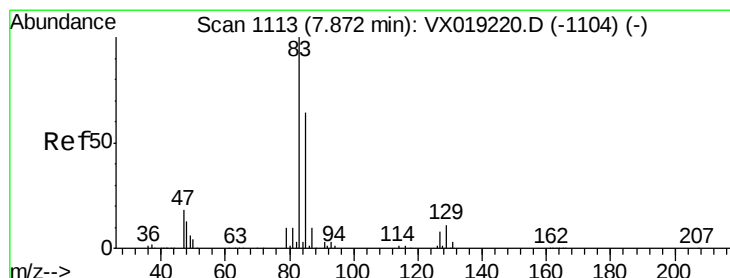
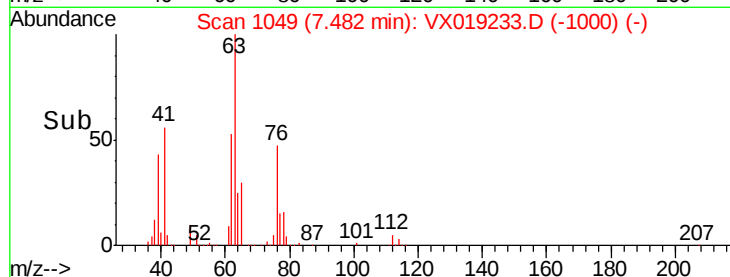
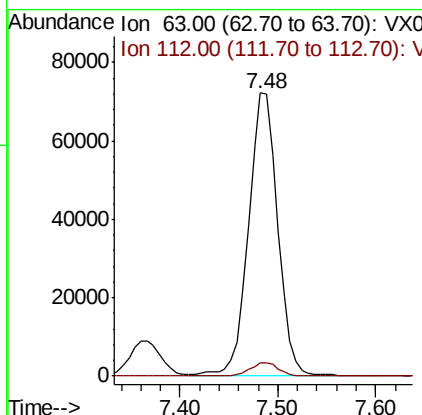
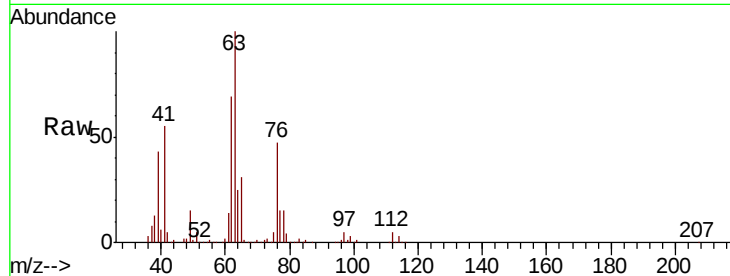




#37
 1,2-Dichloropropane
 Concen: 52.410 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

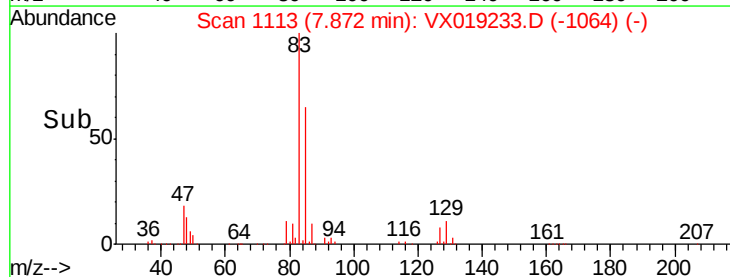
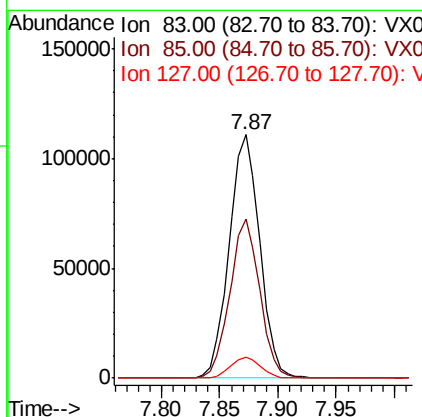
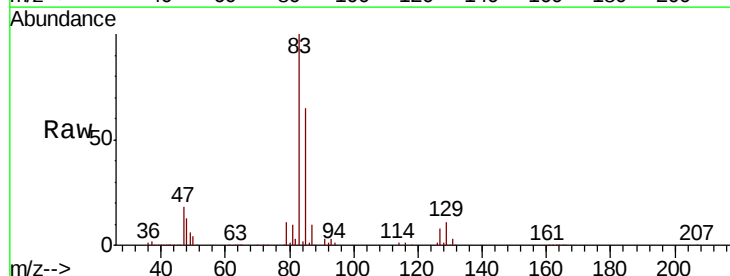
Instrument :
 MSVOA_X
 ClientSampleId :

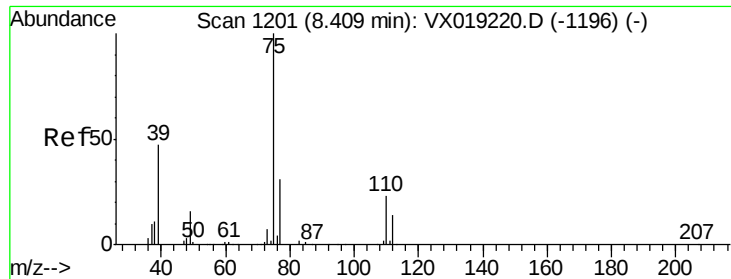
Tot Ion: 63 Resp: 150172
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.866 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion: 83 Resp: 202694
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.6 82.8
 127 8.4 6.8 10.2

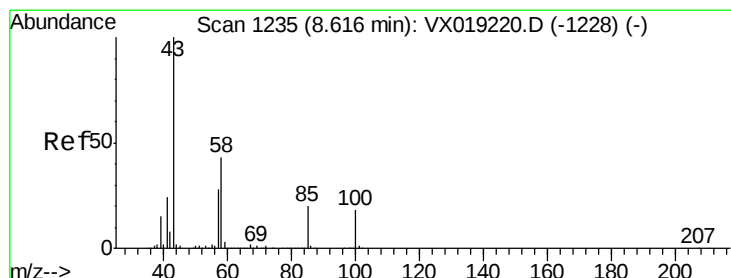
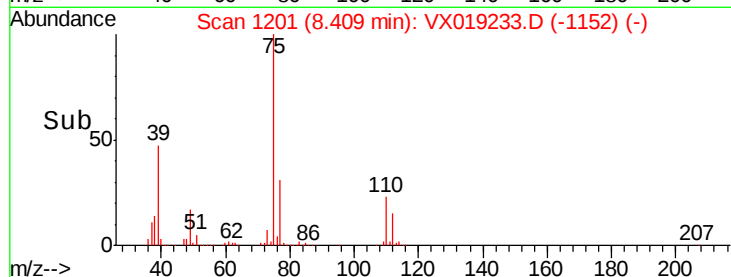
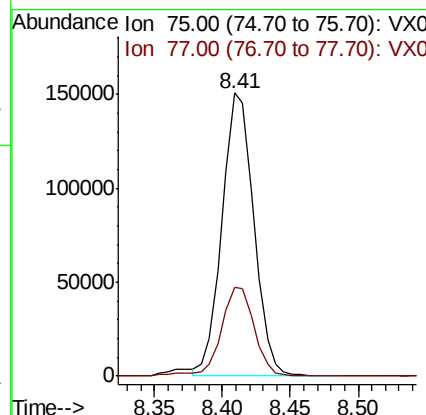
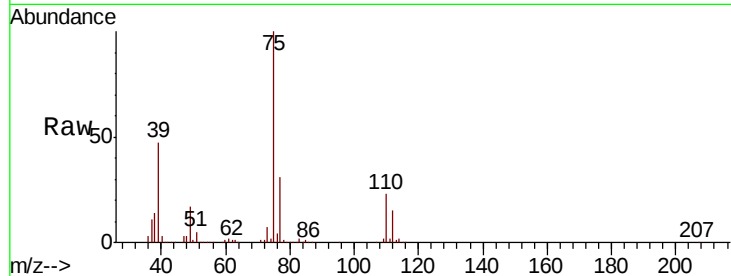




#39
 cis-1,3-Dichloropropene
 Concen: 51.450 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

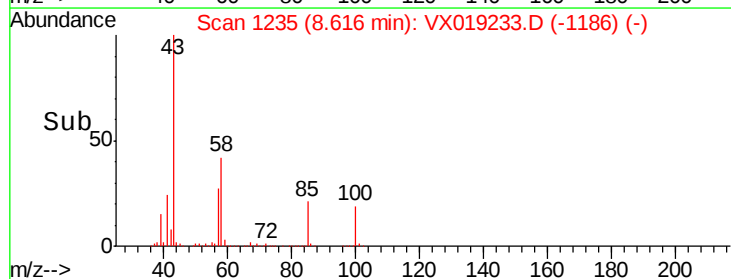
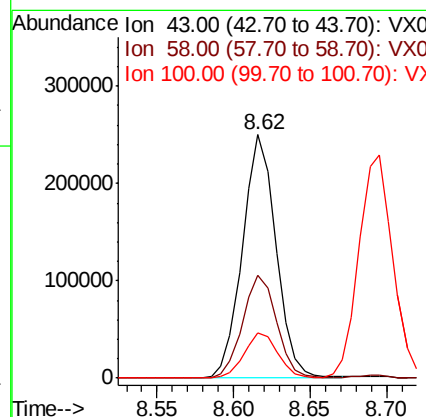
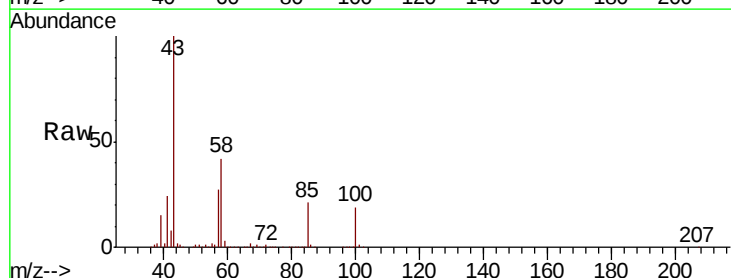
Instrument :
 MSVOA_X
 ClientSampleId :

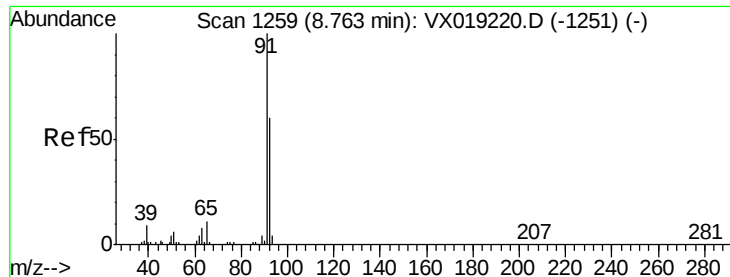
Tot Ion: 75 Resp: 244930
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 109.009 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion: 43 Resp: 381998
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.1 51.1
 100 18.5 14.8 22.2





#42

Toluene

Concen: 52.230 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

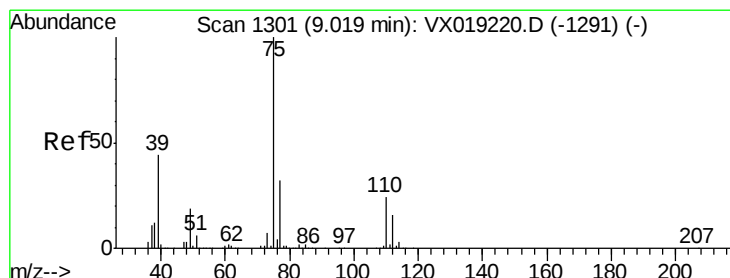
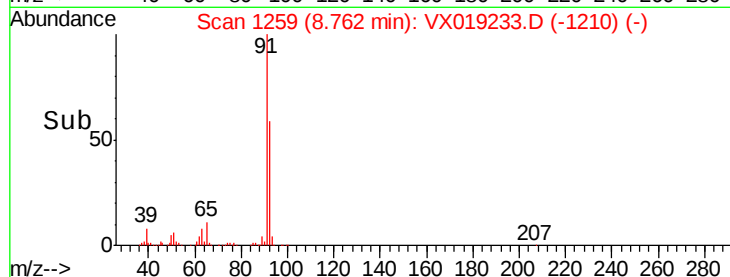
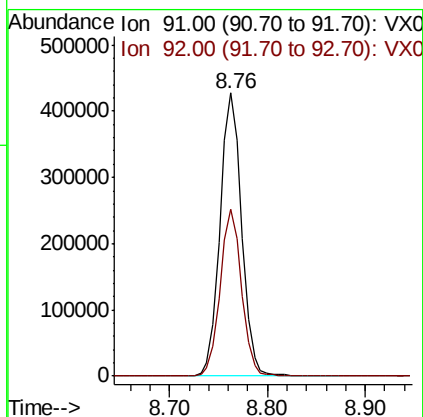
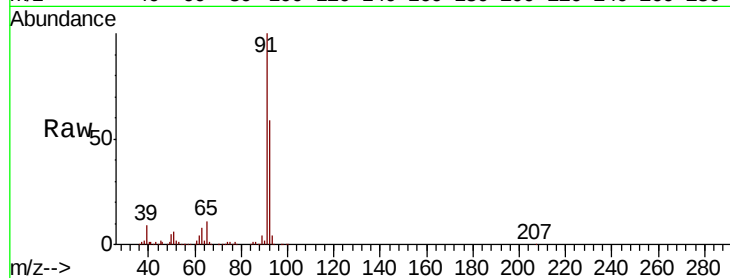
ClientSampleId :

Tot Ion: 91 Resp: 655409

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 51.314 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019233.D

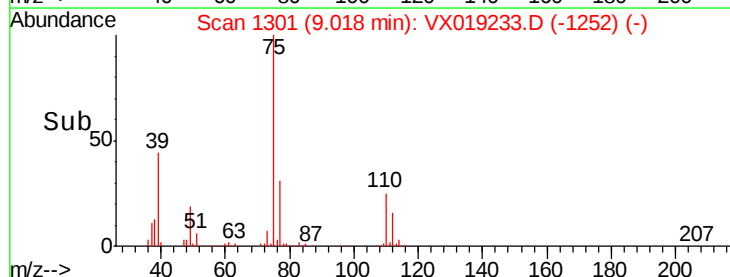
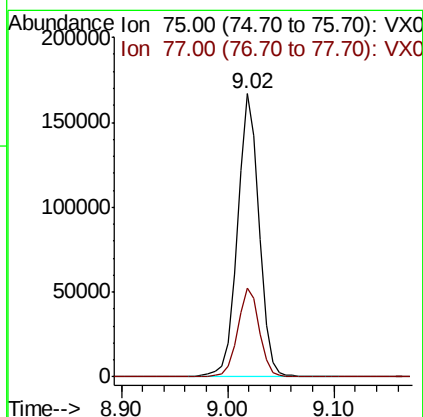
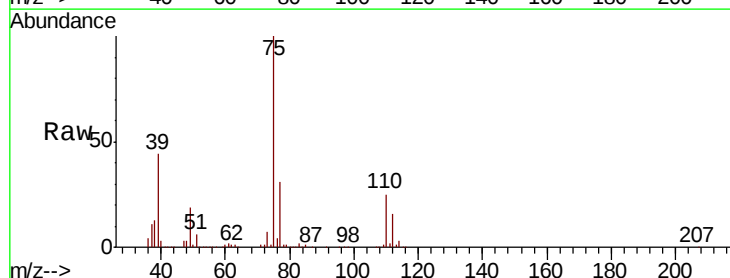
Acq: 03 Nov 2020 14:54

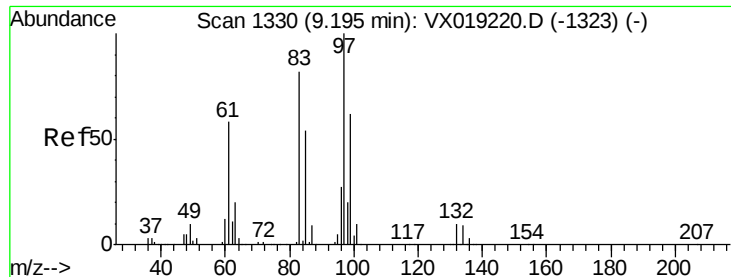
Tgt Ion: 75 Resp: 237990

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6

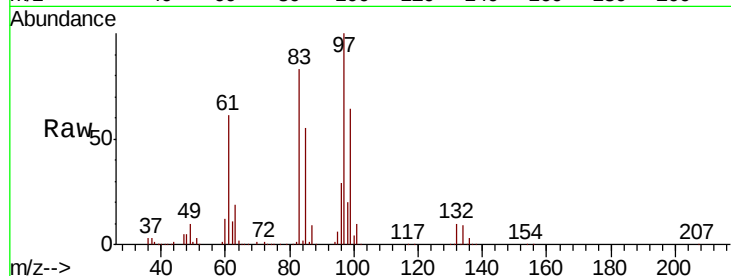




#45
 1,1,2-Trichloroethane
 Concen: 53.101 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	149472
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.3	80.3
83	83.4	59.4	110.4
85	55.5	38.7	71.9



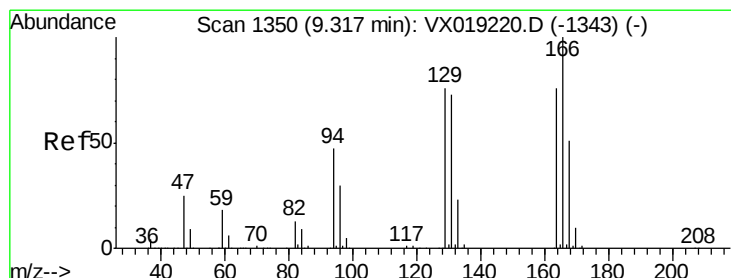
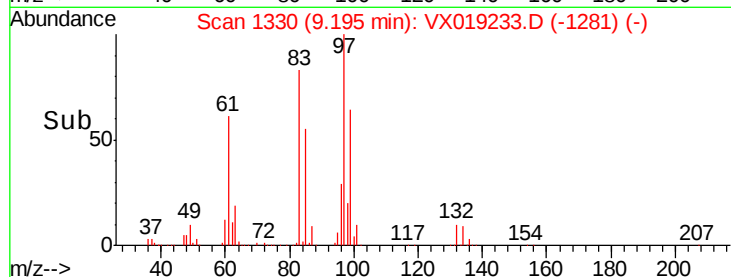
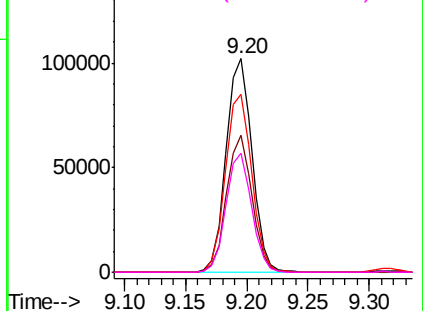
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

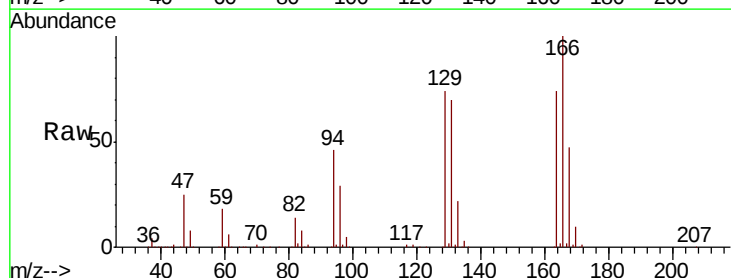
Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46
 Tetrachloroethene
 Concen: 51.271 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion:	164	Resp:	121790
Ion	Ratio	Lower	Upper
164	100		
129	99.3	65.2	121.2
131	94.1	62.5	116.1
166	134.5	90.2	167.6



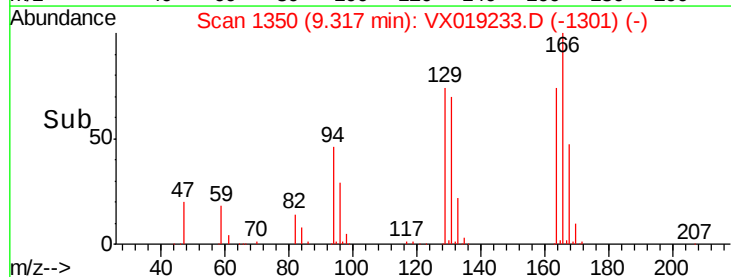
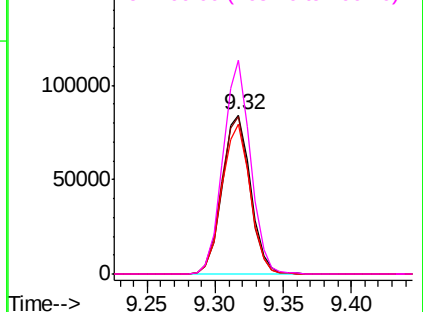
Abundance

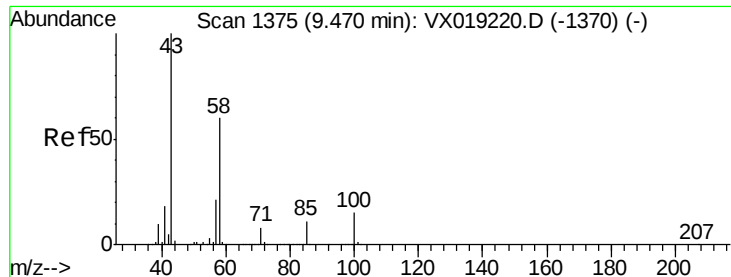
Ion 164.00 (163.70 to 164.70): V

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

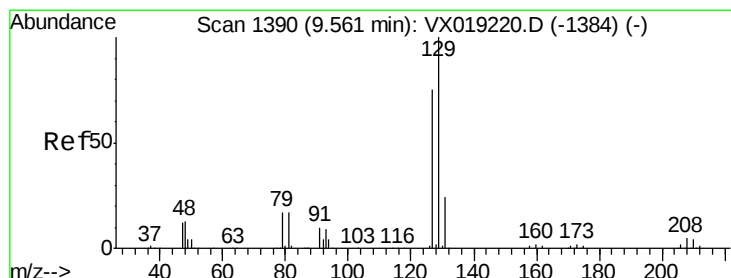
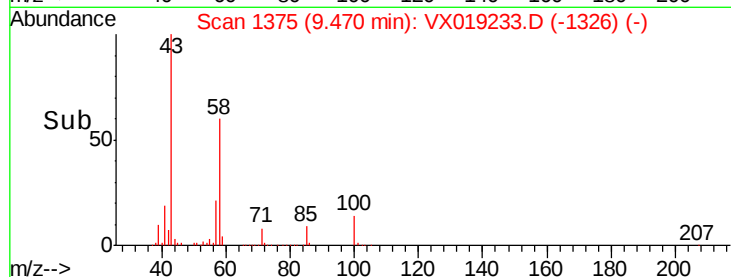
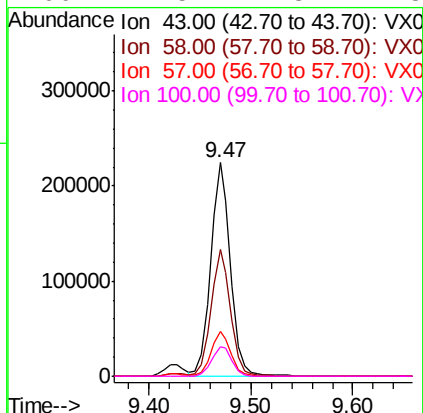
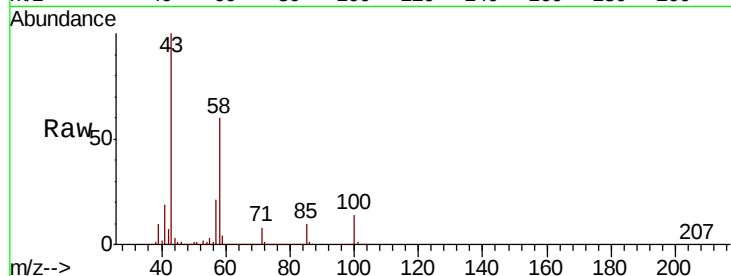




#48
2-Hexanone
Concen: 109.901 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

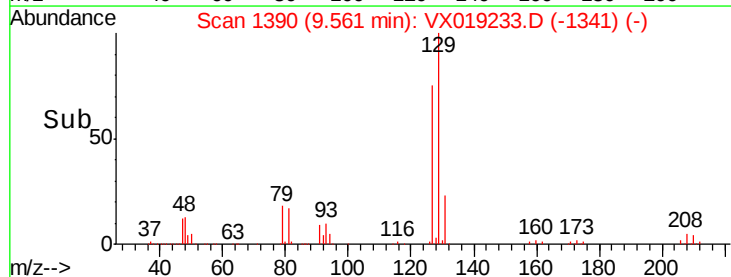
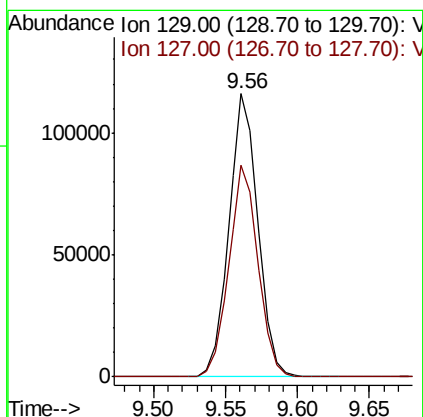
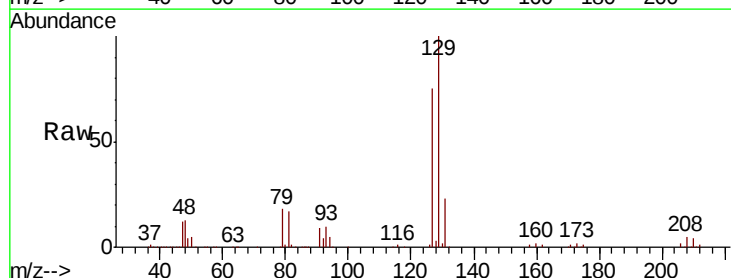
Instrument :
MSVOA_X
ClientSampleId :

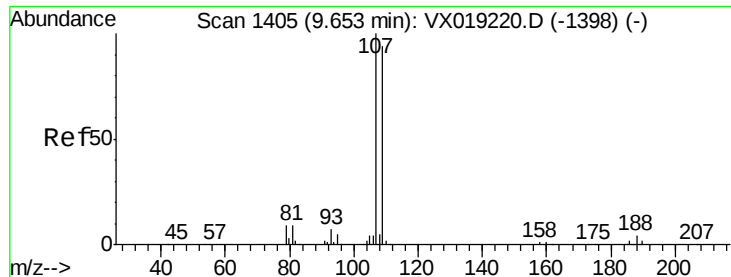
Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	48.2	72.2
57	21.1	17.1	25.7
100	14.5	11.8	17.8



#49
Dibromochloromethane
Concen: 52.944 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	54.0	100.2

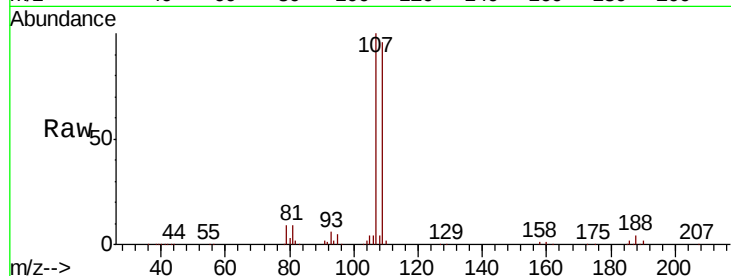




#50
1,2-Dibromoethane
Concen: 52.875 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	68.1	126.5
188	3.7	3.0	4.4

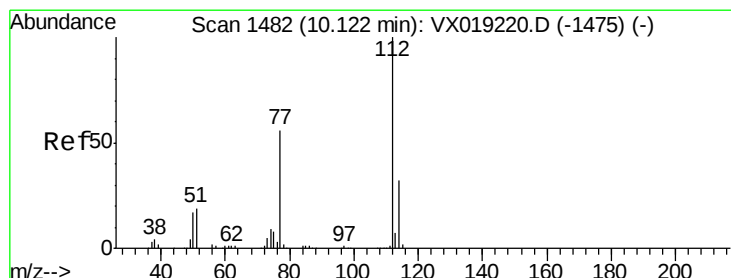
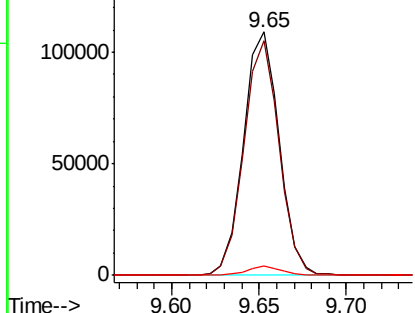
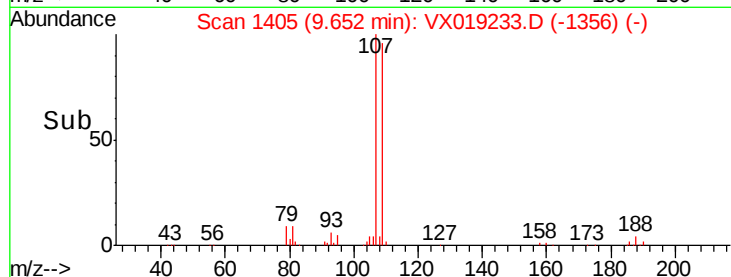


Abundance

Ion 107.00 (106.70 to 107.70): V

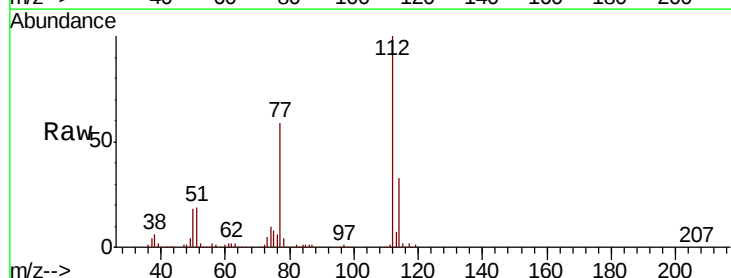
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 52.884 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.2	41.2
77	59.2	46.2	69.4

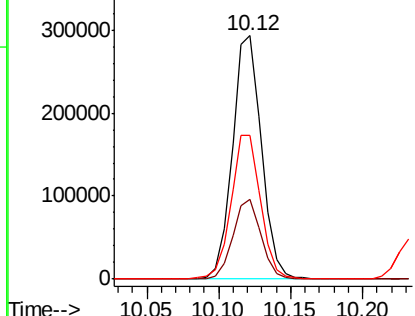
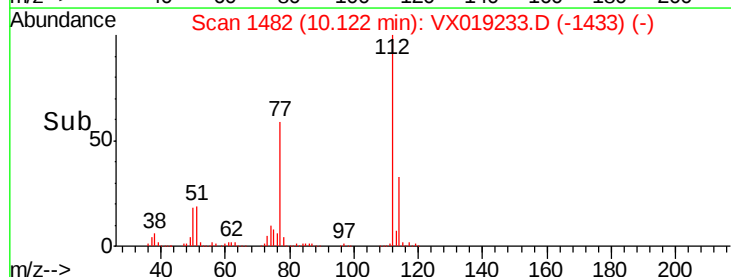


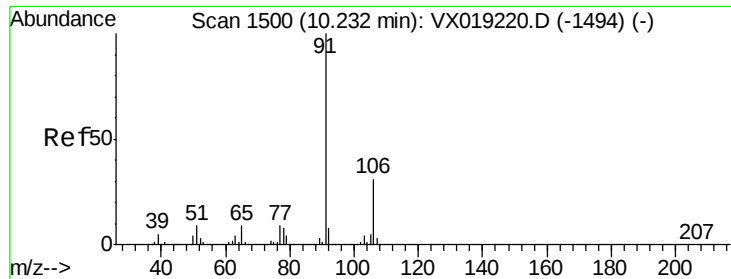
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VX0





#52

Ethylbenzene

Concen: 53.508 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

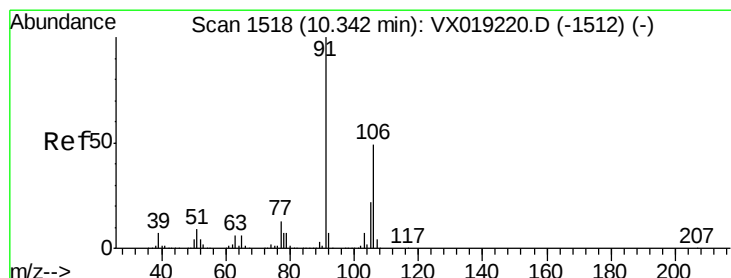
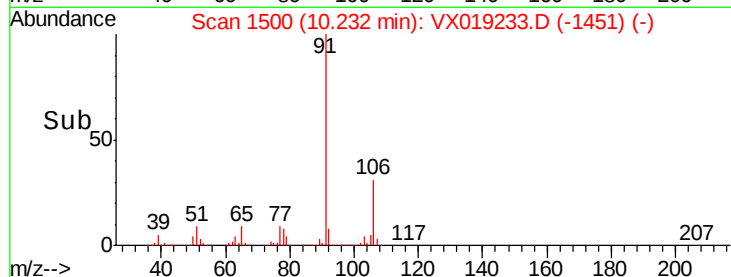
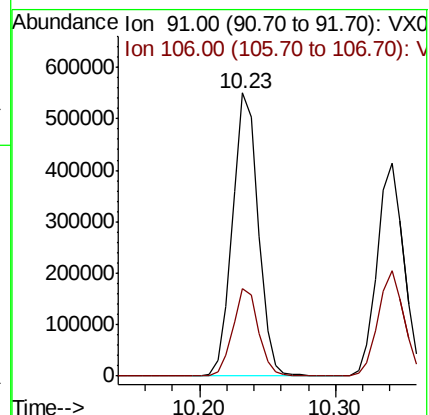
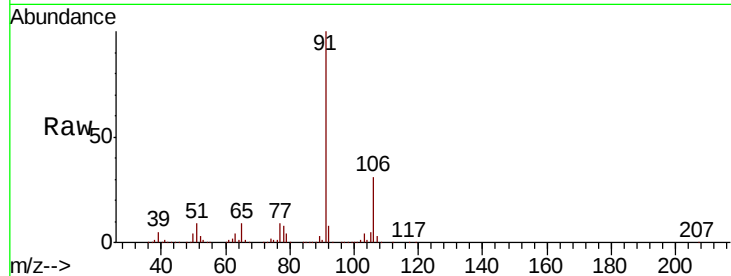
ClientSampleId :

Tot Ion: 91 Resp: 725869

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



#53

m,p-Xylene

Concen: 53.624 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019233.D

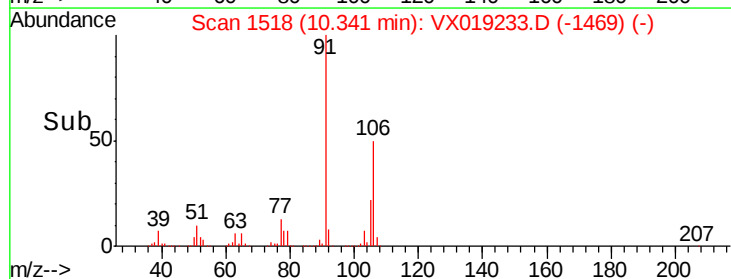
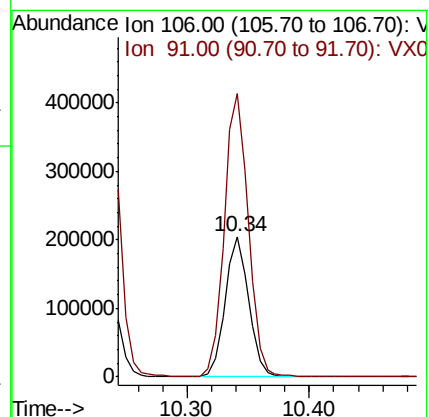
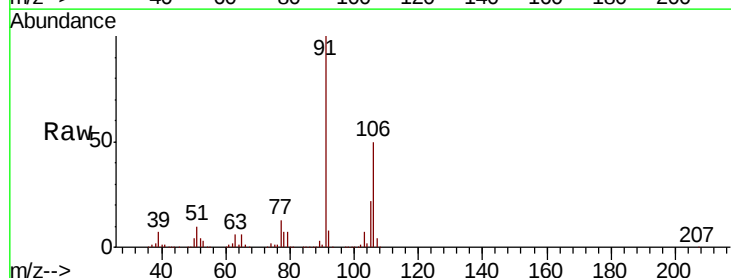
Acq: 03 Nov 2020 14:54

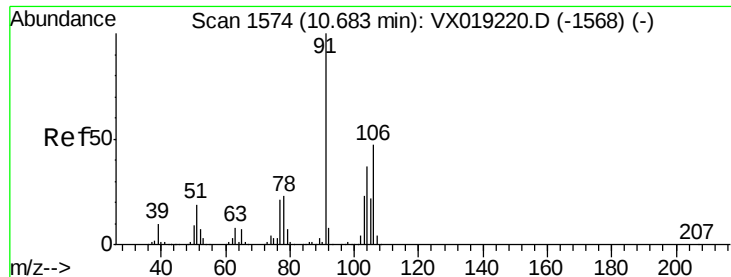
Tgt Ion: 106 Resp: 273278

Ion Ratio Lower Upper

106 100

91 201.9 144.2 267.8

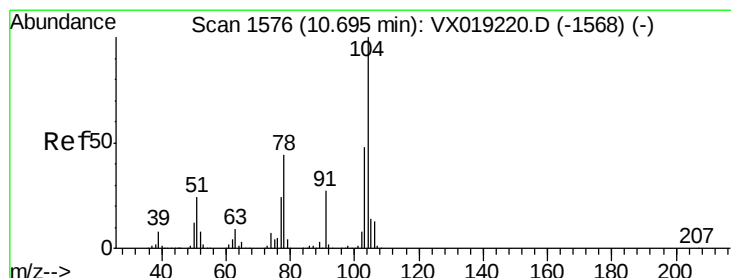
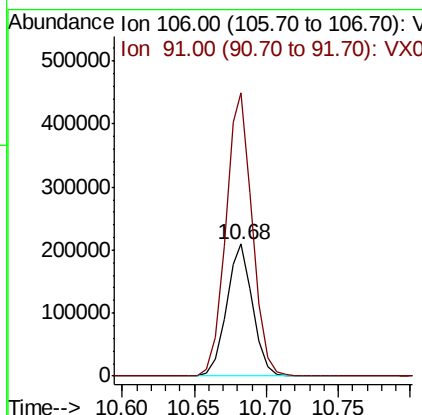
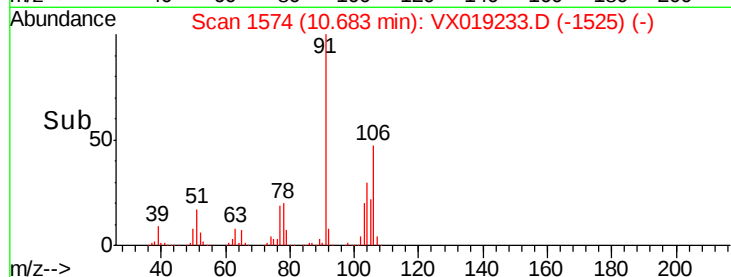
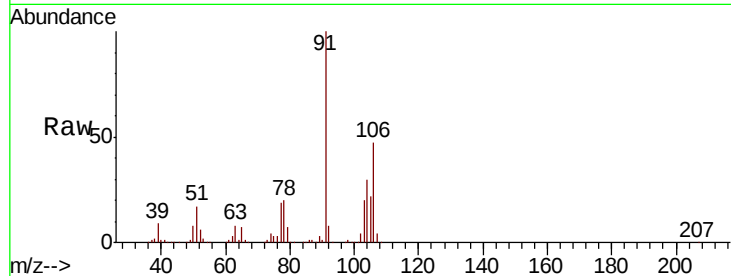




#54
o-Xylene
Concen: 53.946 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

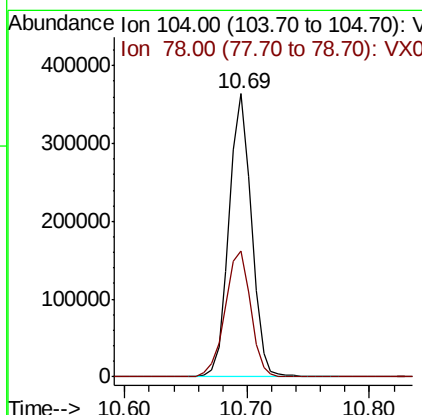
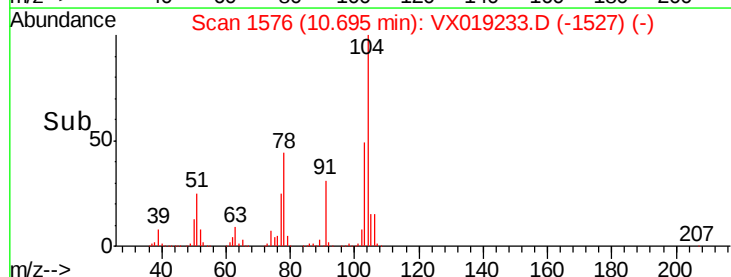
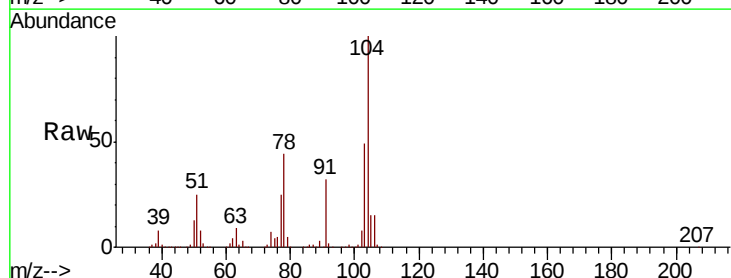
Instrument :
MSVOA_X
ClientSampled :

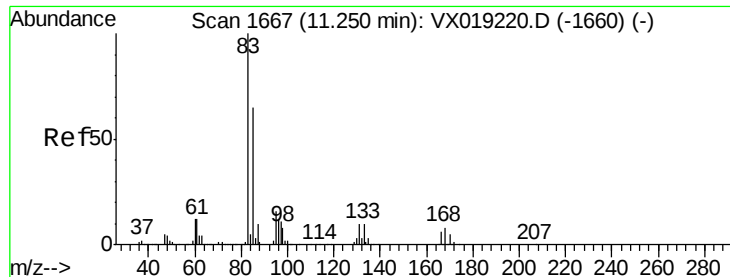
Tot Ion:106 Resp: 266183
Ion Ratio Lower Upper
106 100
91 214.0 153.3 284.7



#55
Styrene
Concen: 55.196 ug/L
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019233.D
Acq: 03 Nov 2020 14:54

Tgt Ion:104 Resp: 459455
Ion Ratio Lower Upper
104 100
78 44.4 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 55.999 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

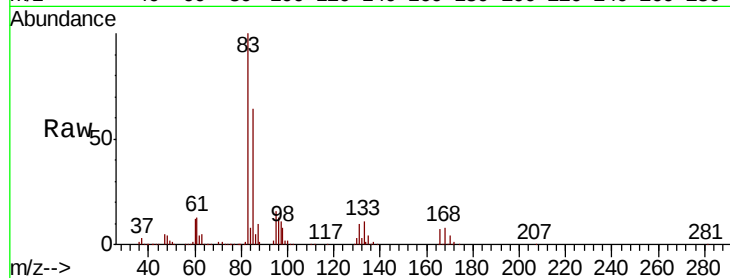
Tot Ion: 83 Resp: 216065

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

131 10.0 7.7 11.5

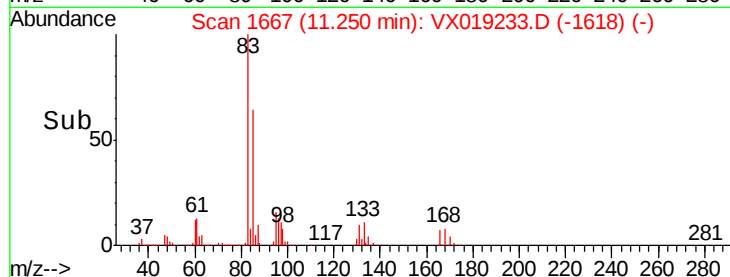


Abundance Ion 83.00 (82.70 to 83.70): VX019220.D (-1660) (-)

Ion 85.00 (84.70 to 85.70): VX019220.D (-1660) (-)

Ion 131.00 (130.70 to 131.70): VX019220.D (-1660) (-)

Time-->

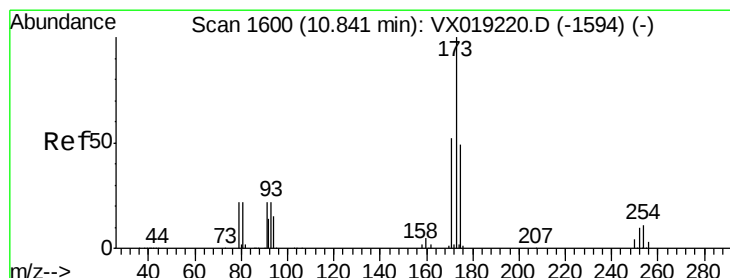


Abundance Ion 83.00 (82.70 to 83.70): VX019233.D (-1618) (-)

Ion 85.00 (84.70 to 85.70): VX019233.D (-1618) (-)

Ion 131.00 (130.70 to 131.70): VX019233.D (-1618) (-)

Time-->



#59

Bromoform

Concen: 53.456 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

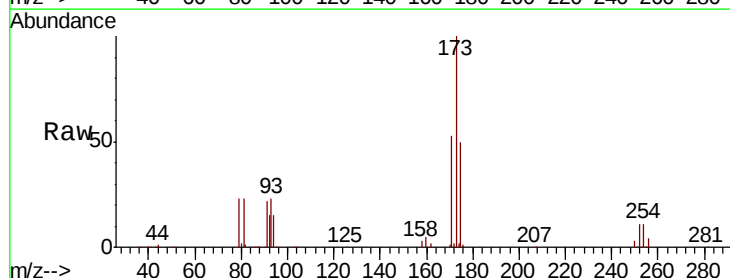
Tgt Ion: 173 Resp: 114272

Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 9.9 8.2 12.4

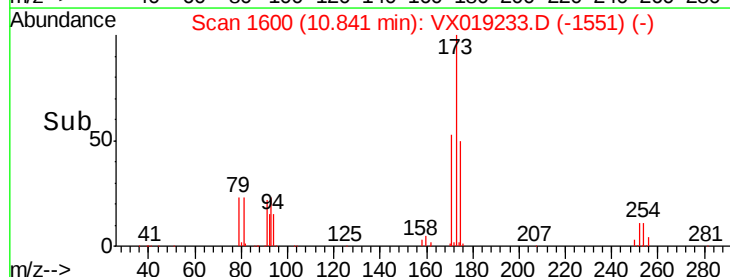


Abundance Ion 173.00 (172.70 to 173.70): VX019220.D (-1594) (-)

Ion 175.00 (174.70 to 175.70): VX019220.D (-1594) (-)

Ion 254.00 (253.70 to 254.70): VX019220.D (-1594) (-)

Time-->

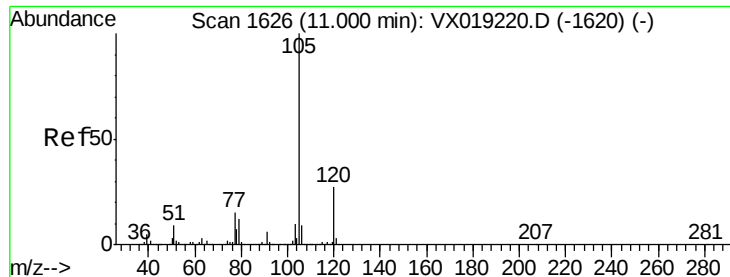


Abundance Ion 173.00 (172.70 to 173.70): VX019233.D (-1551) (-)

Ion 175.00 (174.70 to 175.70): VX019233.D (-1551) (-)

Ion 254.00 (253.70 to 254.70): VX019233.D (-1551) (-)

Time-->



#60

Isopropylbenzene

Concen: 53.324 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

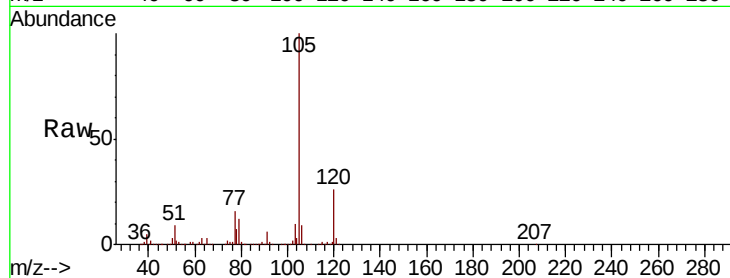
Tot Ion:105 Resp: 714186

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

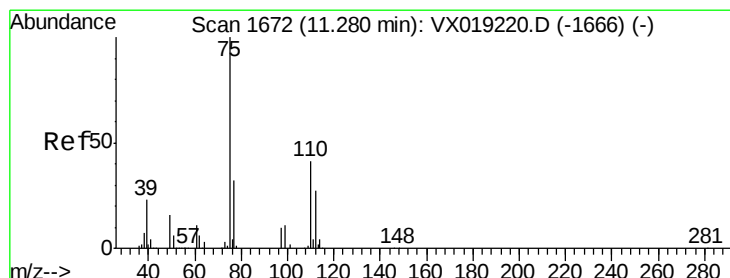
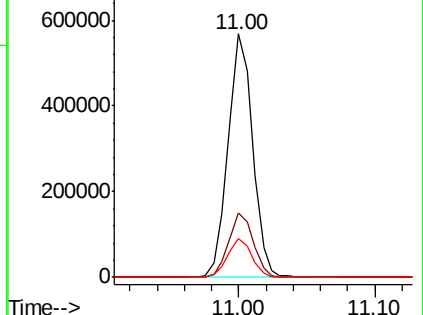
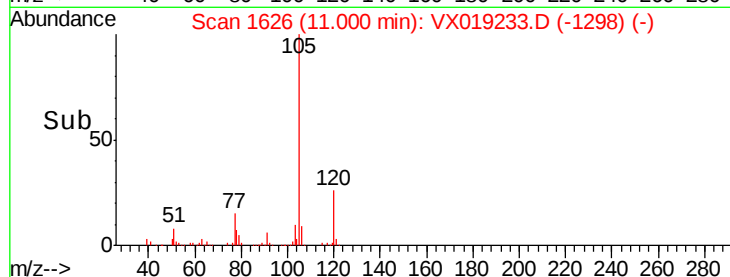
77 15.9 12.6 19.0



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: 54.990 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

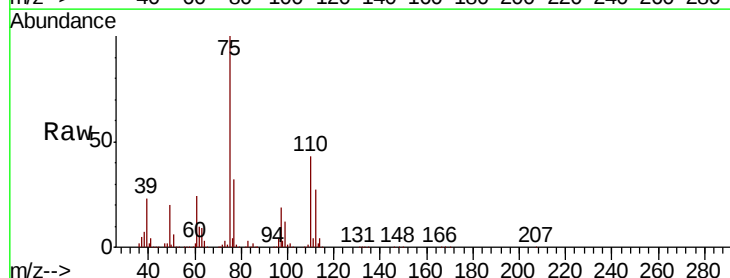
Tgt Ion: 75 Resp: 184849

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

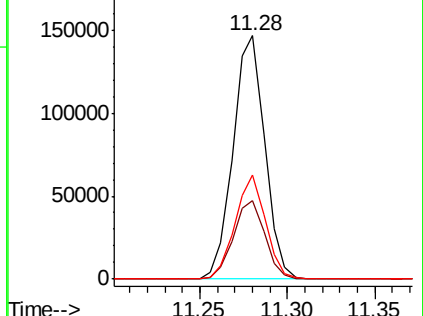
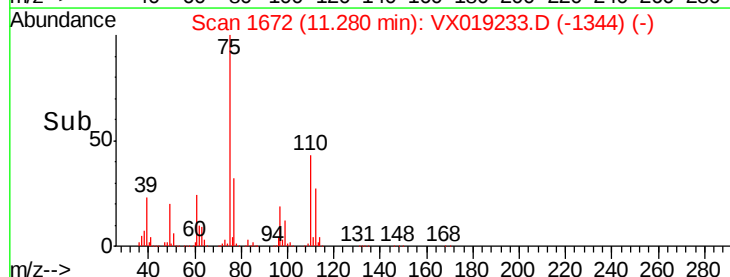
110 40.9 32.2 48.2

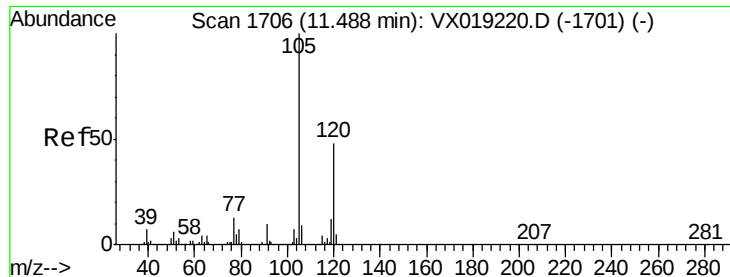


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 54.583 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

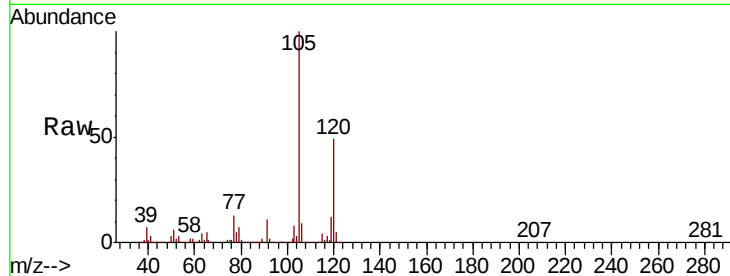
ClientSampled :

Tot Ion:105 Resp: 601412

Ion Ratio Lower Upper

105 100

120 48.7 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

500000

400000

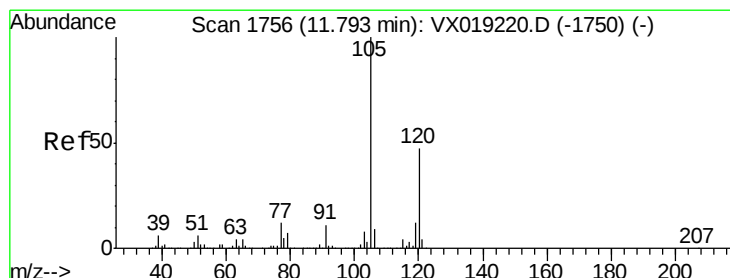
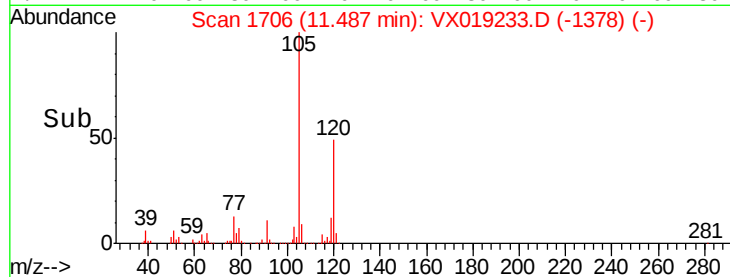
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 54.529 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019233.D

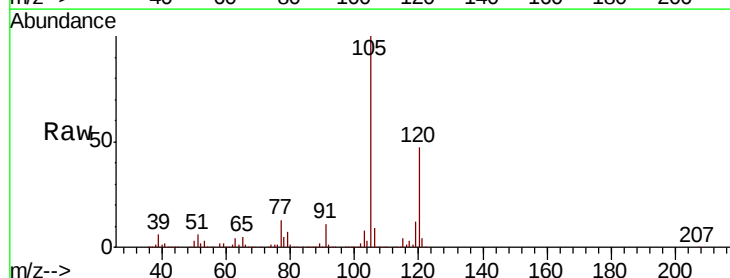
Acq: 03 Nov 2020 14:54

Tgt Ion:105 Resp: 568280

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

11.79

500000

400000

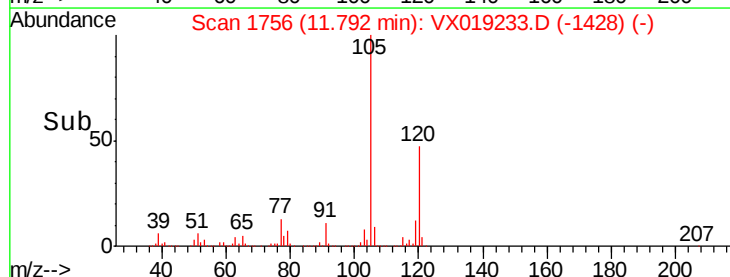
300000

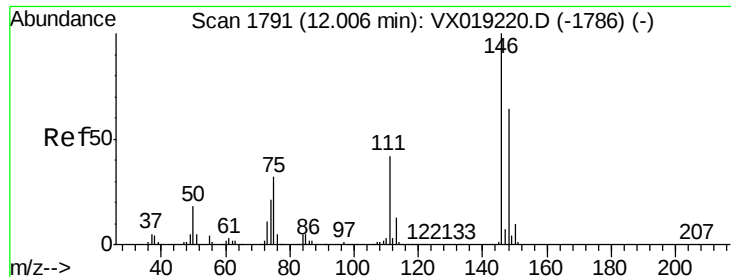
200000

100000

0

Time-->

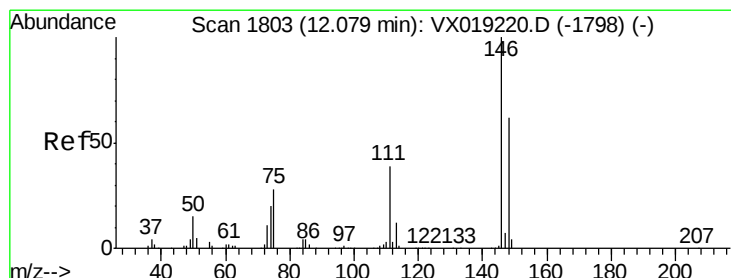
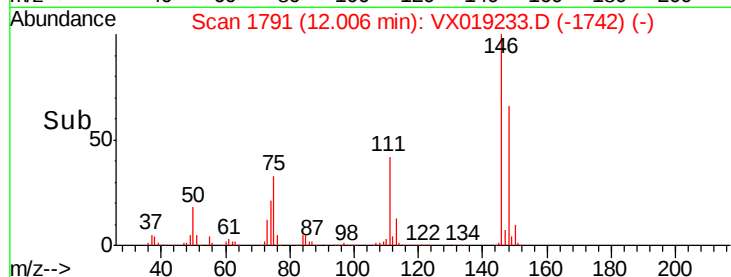
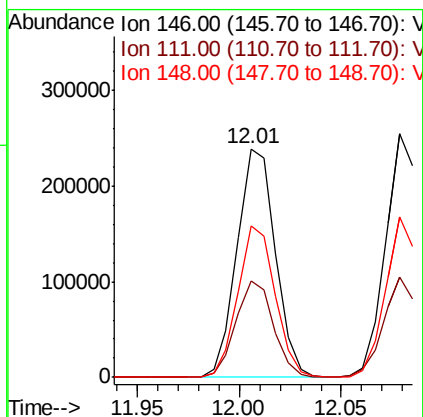
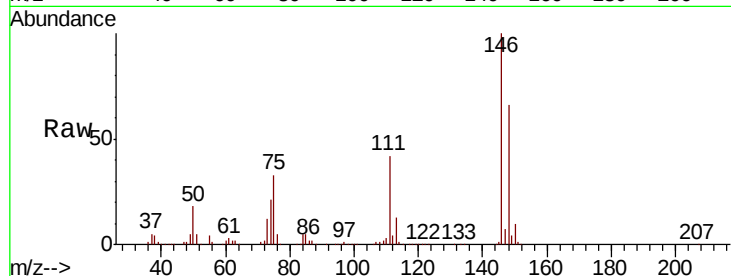




#64
 1,3-Dichlorobenzene
 Concen: 53.995 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

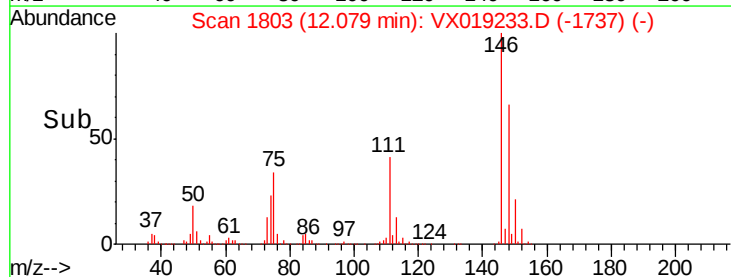
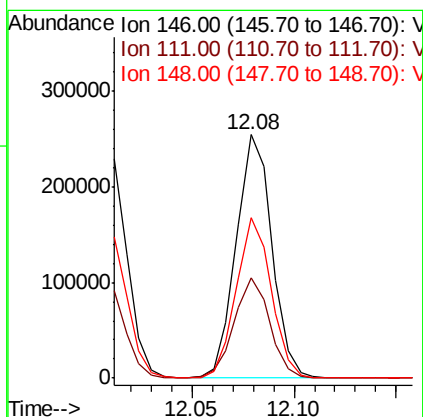
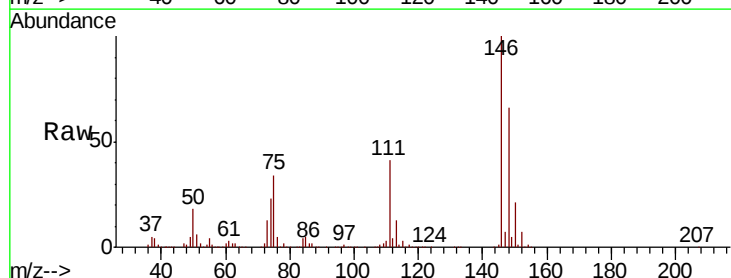
Instrument :
 MSVOA_X
 ClientSampleId :

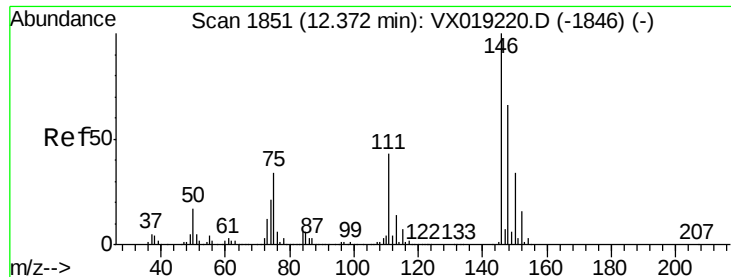
Tot Ion:146 Resp: 312222
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.7 55.1
 148 66.0 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 52.724 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion:146 Resp: 309350
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.1 52.3
 148 65.8 43.8 81.4

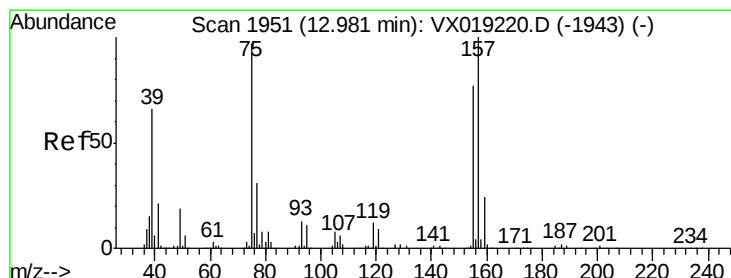
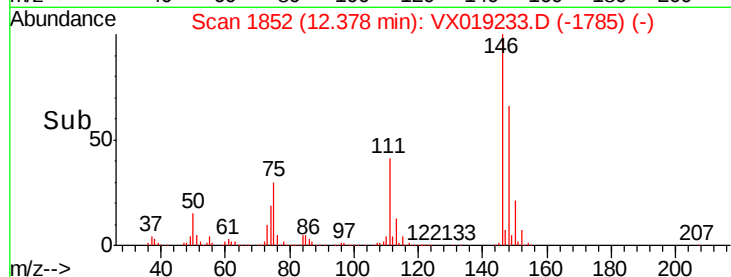
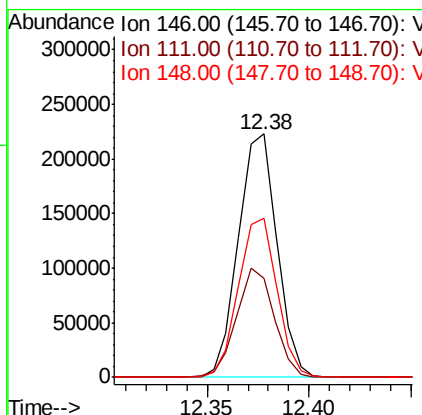
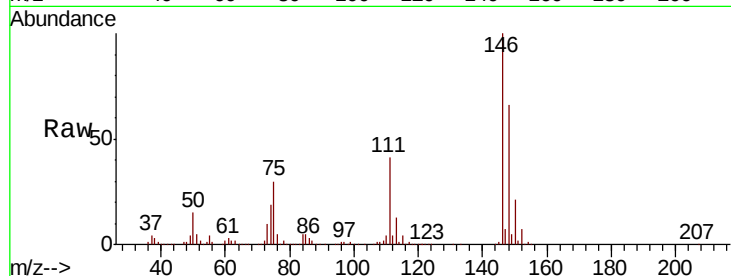




#67
 1,2-Dichlorobenzene
 Concen: 52.580 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

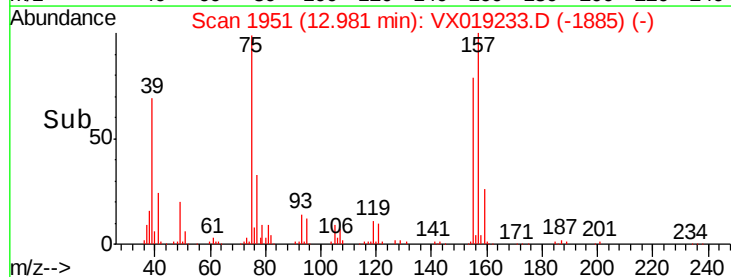
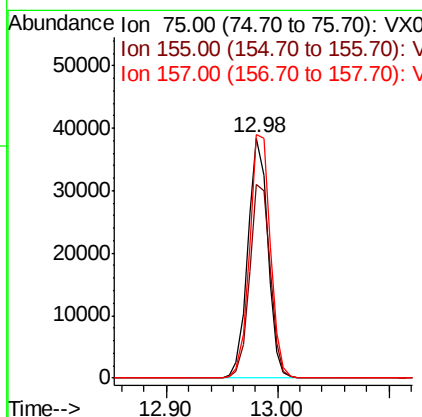
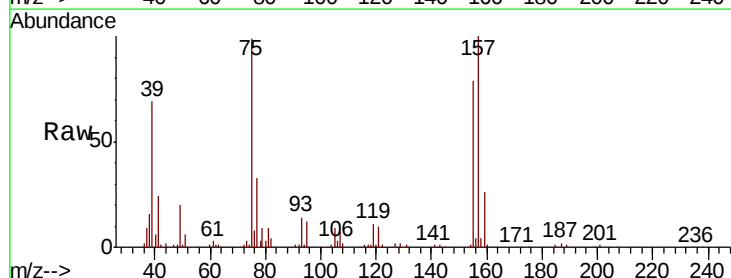
Instrument :
 MSVOA_X
 ClientSampled :

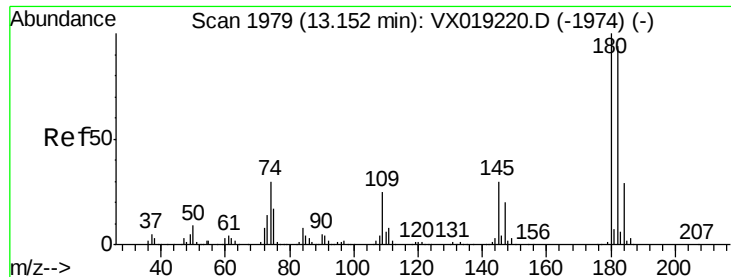
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	35.9	53.9
148	65.5	52.2	78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 52.428 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	65.8	98.8
157	101.3	82.6	123.8

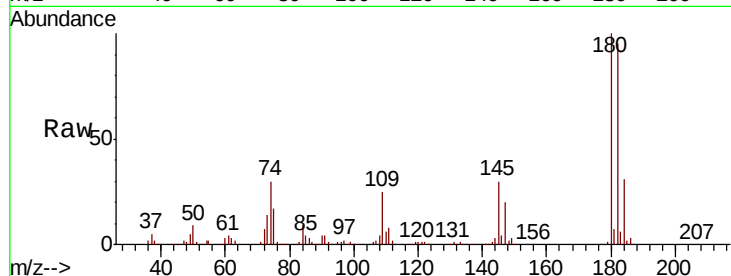




#69
 1,3,5-Trichlorobenzene
 Concen: 53.807 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.8	118.2
184	30.9	25.2	37.8
145	31.2	25.8	38.6



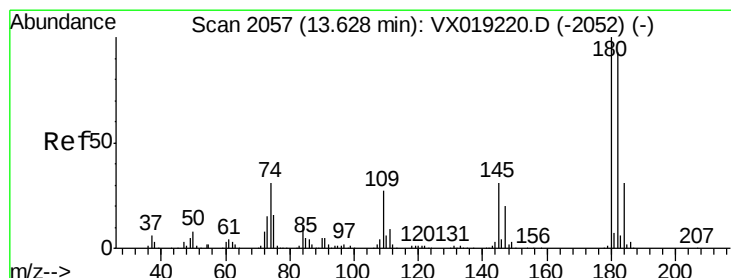
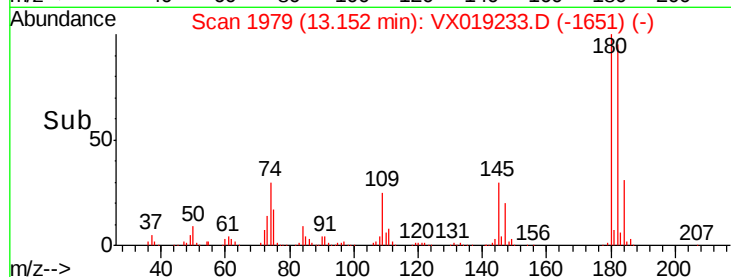
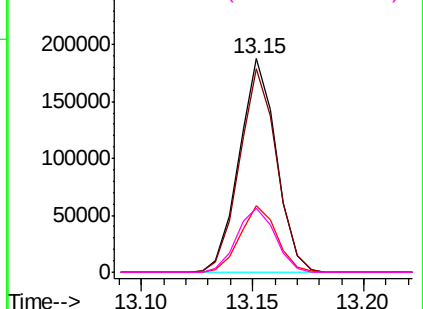
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

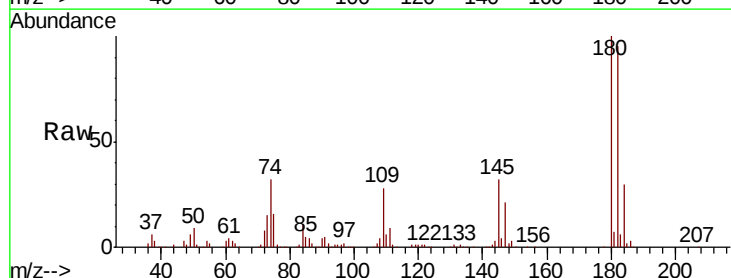
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 52.783 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019233.D
 Acq: 03 Nov 2020 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	74.6	111.8
145	33.0	25.4	38.0

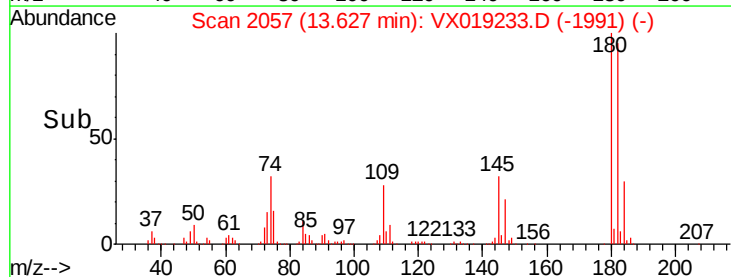
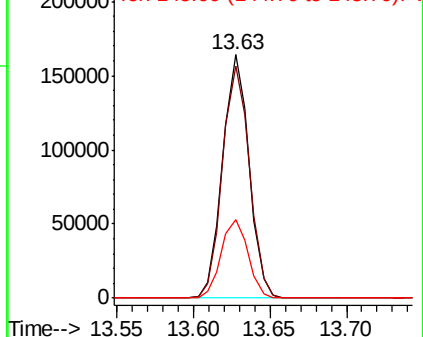


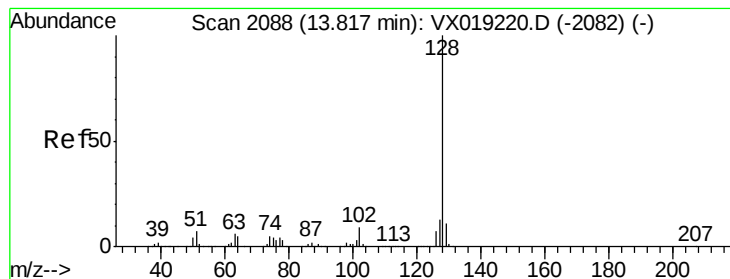
Abundance

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: 54.856 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

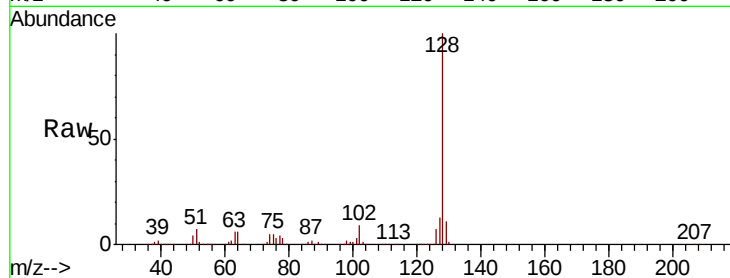
Tot Ion:128 Resp: 662031

Ion Ratio Lower Upper

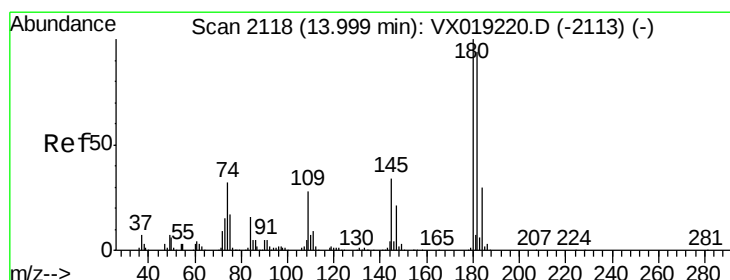
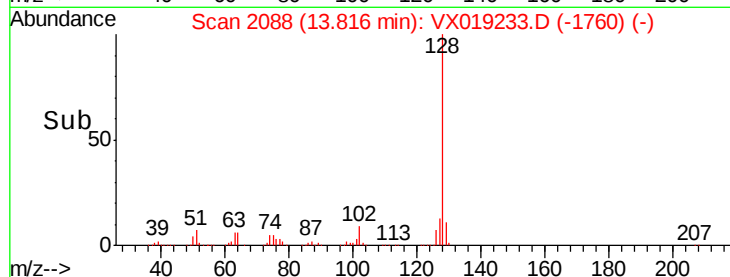
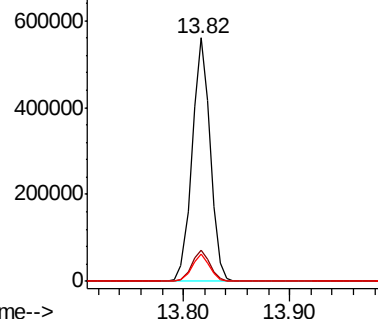
128 100

127 12.9 10.1 15.1

129 10.9 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: 54.822 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019233.D

Acq: 03 Nov 2020 14:54

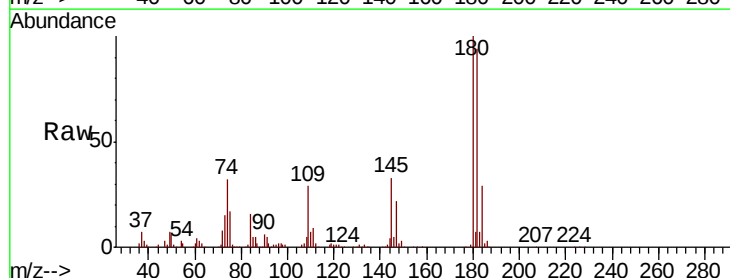
Tgt Ion:180 Resp: 200228

Ion Ratio Lower Upper

180 100

182 94.0 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

