

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010521\
 Data File : VX020507.D
 Acq On : 05 Jan 2021 19:17
 Operator : JC/MD
 Sample : L5214-01
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

Quant Time: Jan 06 04:57:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 04:56:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	158958	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	154983	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	72262	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60153	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.70	69	55173	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.34	63	91179	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.54	46	138524	49.99	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	5.14	84	118626	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	6.03	65	59783	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	6.04	84	245703	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	7.37	67	73850	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	8.70	98	208559	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.99	79	24557	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	9.43	63	120506	50.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.22%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	52223	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
66) 1,2-Dichlorobenzene-d4	12.36	152	74103	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	4677	0.271 ug/L	99
3) Chloromethane	1.31	50	4468	0.297 ug/L	95
5) Vinyl chloride	1.39	62	4636	0.284 ug/L	86
6) Bromomethane	1.64	94	2679	0.304 ug/L	96
8) Chloroethane	1.72	64	2964	0.306 ug/L	92
9) Trichlorofluoromethane	1.92	101	5593	0.267 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	3931	0.327 ug/L	86
12) 1,1-Dichloroethene	2.36	96	3619	0.309 ug/L #	1
13) Acetone	2.43	43	4910	3.059 ug/L	96
14) Carbon disulfide	2.55	76	11734	0.295 ug/L	97
15) Methyl Acetate	2.75	43	1457	0.322 ug/L	100
16) Methylene chloride	2.83	84	4760	0.327 ug/L	91
17) Methyl tert-butyl Ether	3.17	73	6704	0.251 ug/L	94
18) trans-1,2-Dichloroethene	3.14	96	3653	0.280 ug/L	93
19) 1,1-Dichloroethane	3.67	63	6147	0.265 ug/L	93
21) 2-Butanone	4.65	43	7847	2.865 ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	3683	0.270 ug/L	93

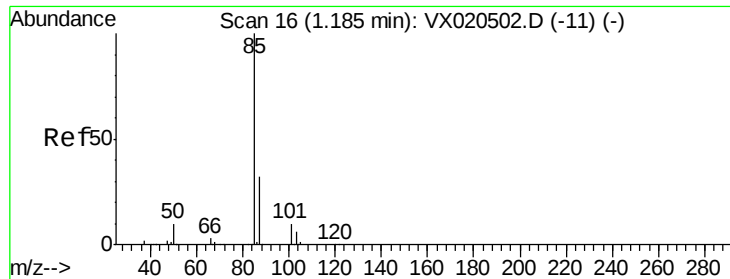
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010521\
 Data File : VX020507.D
 Acq On : 05 Jan 2021 19:17
 Operator : JC/MD
 Sample : L5214-01
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Quant Time: Jan 06 04:57:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 04:56:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	1784	0.295	ug/L	86
25) Chloroform	5.17	83	9096	0.373	ug/L	94
27) 1,2-Dichloroethane	6.16	62	3991	0.285	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	5511	0.268	ug/L	99
30) Cyclohexane	5.55	56	5007	0.258	ug/L	98
31) Carbon tetrachloride	5.74	117	4515	0.256	ug/L	95
33) Benzene	6.12	78	14168	0.268	ug/L	100
34) Trichloroethene	7.19	95	3788	0.276	ug/L	86
35) Methylcyclohexane	7.44	83	5108	0.247	ug/L	99
37) 1,2-Dichloropropane	7.49	63	3380	0.259	ug/L	98
38) Bromodichloromethane	7.87	83	4073	0.255	ug/L	92
39) cis-1,3-Dichloropropene	8.42	75	4163	0.235	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	14991	2.345	ug/L #	85
42) Toluene	8.76	91	14542	0.264	ug/L	92
44) trans-1,3-Dichloropropene	9.02	75	4759	0.320	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	2449	0.266	ug/L	95
47) Tetrachloroethene	9.32	164	3156	0.284	ug/L	95
48) 2-Hexanone	9.47	43	12551	2.847	ug/L	99
49) Dibromochloromethane	9.56	129	2587	0.258	ug/L #	73
50) 1,2-Dibromoethane	9.65	107	2268	0.274	ug/L #	95
51) Chlorobenzene	10.12	112	9437	0.273	ug/L	96
52) Ethylbenzene	10.23	91	14443	0.252	ug/L	98
53) m,p-xylene	10.34	106	5167	0.237	ug/L	98
54) o-xylene	10.68	106	4804	0.231	ug/L	99
55) Styrene	10.70	104	7495	0.215	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	2930	0.285	ug/L #	99
59) Bromoform	10.84	173	1407	0.282	ug/L	98
60) Isopropylbenzene	11.00	105	12179	0.243	ug/L	98
61) 1,2,3-Trichloropropane	11.27	75	2073	0.297	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	9129	0.226	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	8871	0.220	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	6849	0.283	ug/L	93
65) 1,4-Dichlorobenzene	12.08	146	7261	0.297	ug/L	93
67) 1,2-Dichlorobenzene	12.37	146	6760	0.300	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	411	0.275	ug/L #	67
69) 1,3,5-Trichlorobenzene	13.15	180	5114	0.278	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	4450	0.304	ug/L	99
71) Naphthalene	13.82	128	5424	0.226	ug/L	97
72) 1,2,3-Trichlorobenzene	14.00	180	3918	0.289	ug/L	91

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



#2

Dichlorodifluoromethane

Concen: 0.271 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

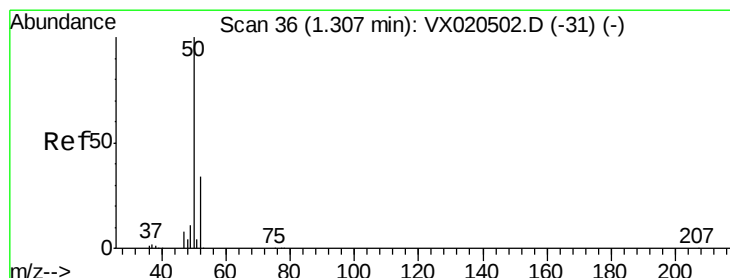
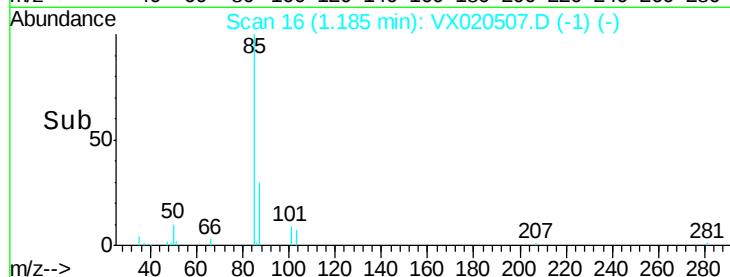
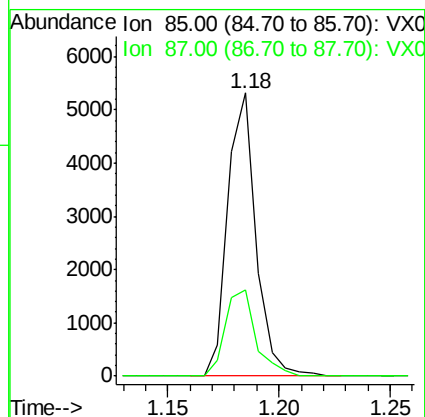
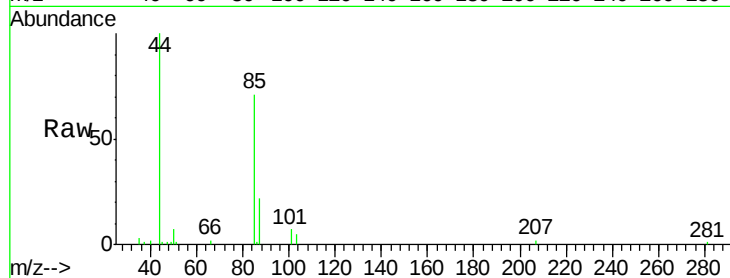
MDL-WATER-QT1-2021-01

Tot Ion: 85 Resp: 4677

Ion Ratio Lower Upper

85 100

87 33.0 25.8 38.8



#3

Chloromethane

Concen: 0.297 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX020507.D

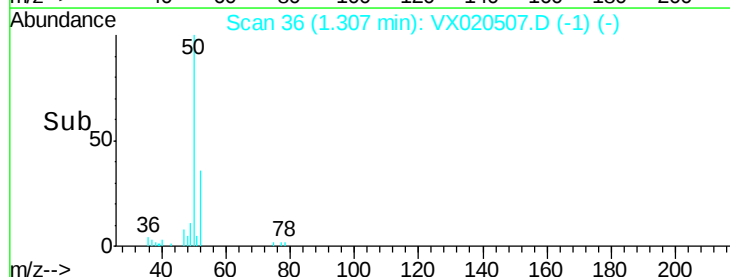
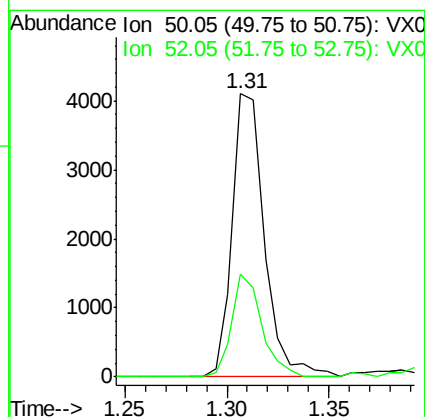
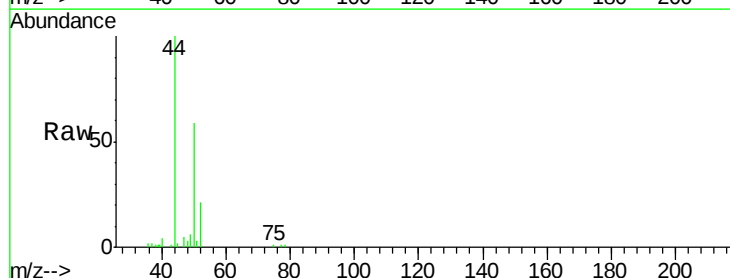
Acq: 05 Jan 2021 19:17

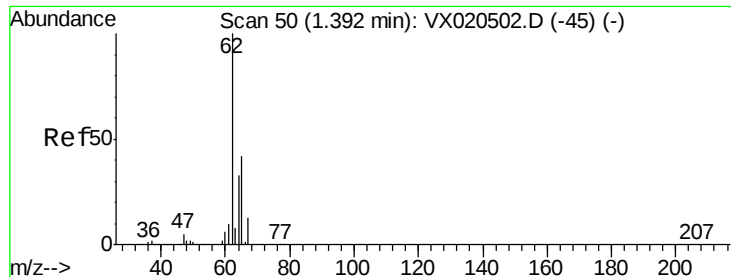
Tgt Ion: 50 Resp: 4468

Ion Ratio Lower Upper

50 100

52 36.4 23.5 43.7





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

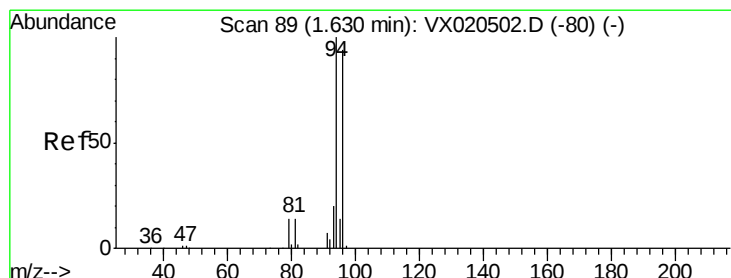
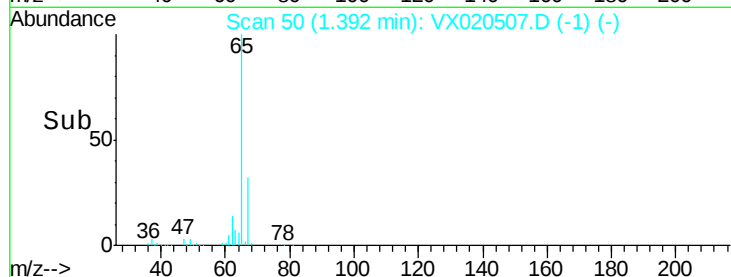
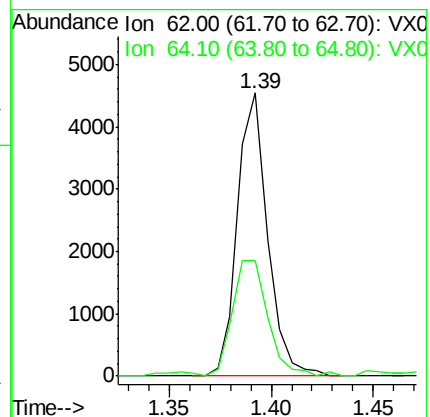
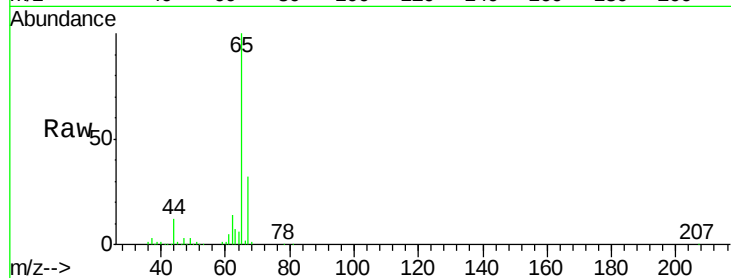
MDL-WATER-QT1-2021-01

Tot Ion: 62 Resp: 4636

Ion Ratio Lower Upper

62 100

64 41.0 23.2 43.2



#6

Bromomethane

Concen: 0.304 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020507.D

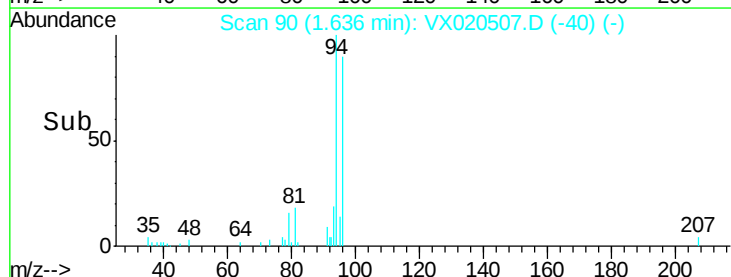
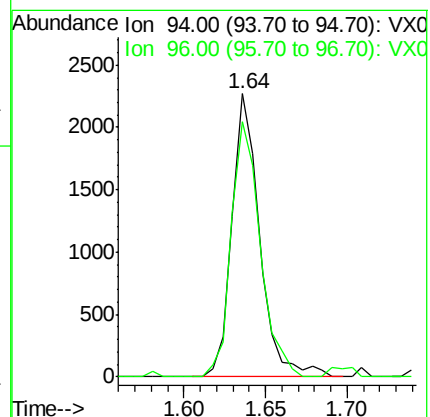
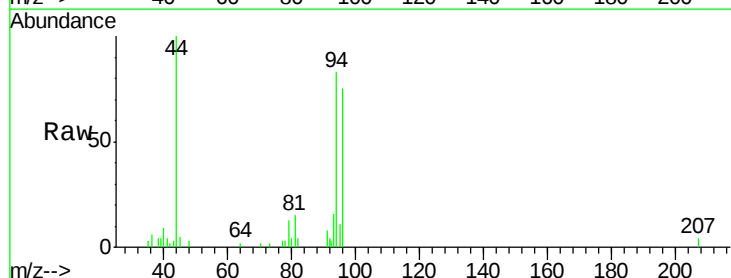
Acq: 05 Jan 2021 19:17

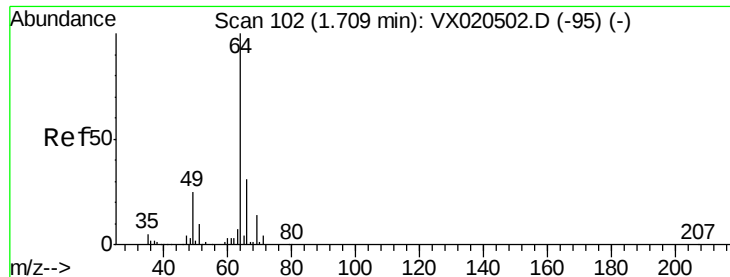
Tgt Ion: 94 Resp: 2679

Ion Ratio Lower Upper

94 100

96 90.0 65.7 121.9





#8

Chloroethane

Concen: 0.306 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

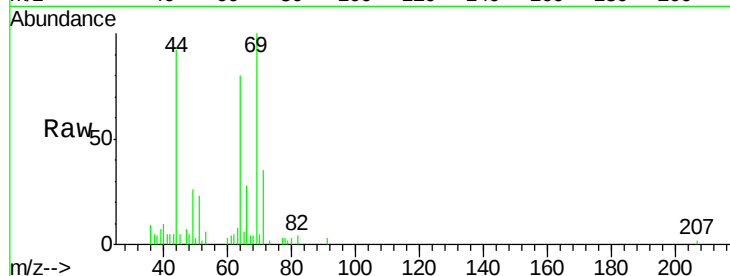
MDL-WATER-QT1-2021-01

Tot Ion: 64 Resp: 2964

Ion Ratio Lower Upper

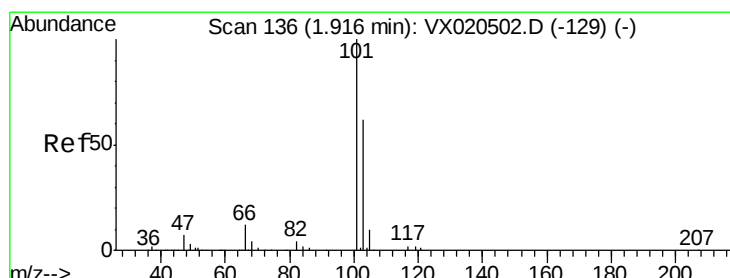
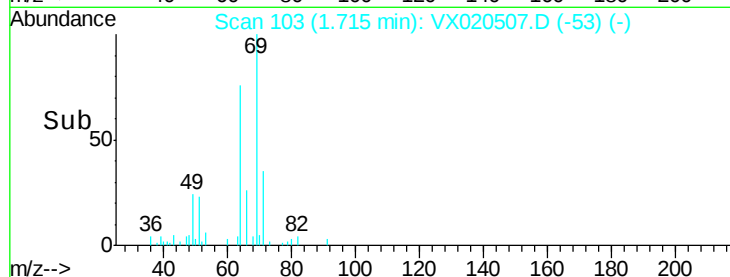
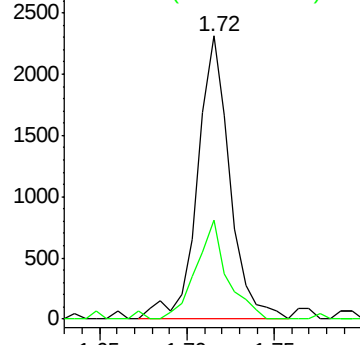
64 100

66 35.0 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0



#9

Trichlorofluoromethane

Concen: 0.267 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020507.D

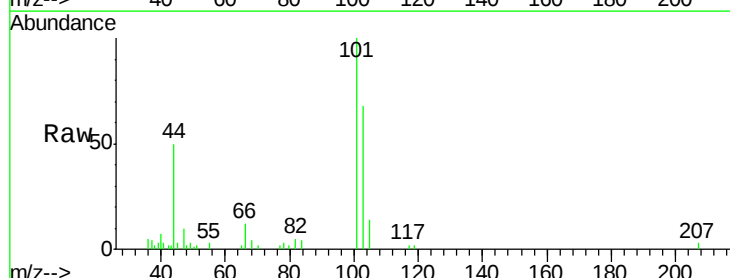
Acq: 05 Jan 2021 19:17

Tgt Ion: 101 Resp: 5593

Ion Ratio Lower Upper

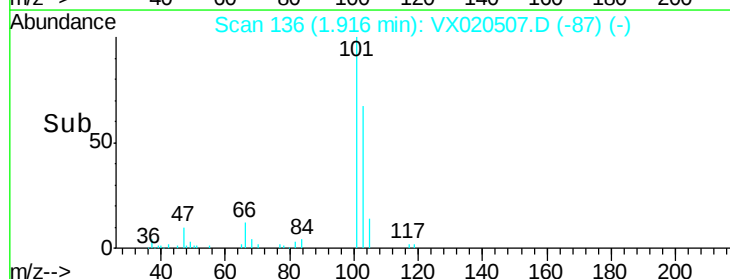
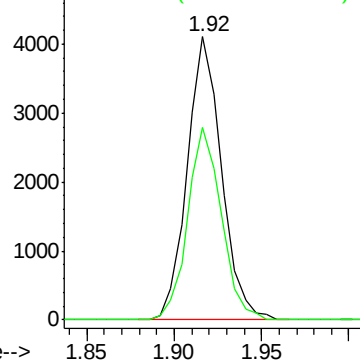
101 100

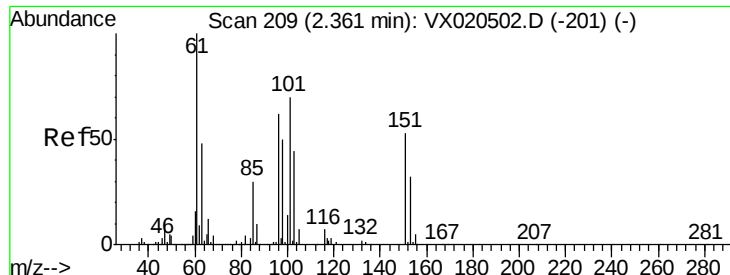
103 66.8 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.327 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2021-01

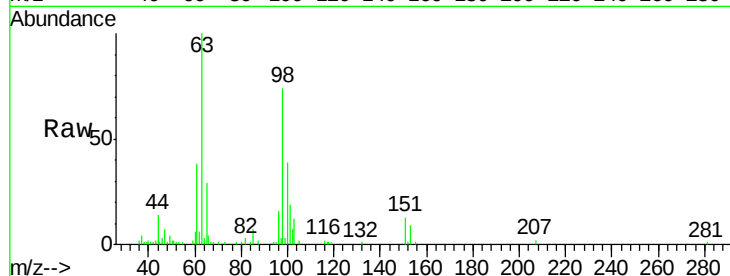
Tot Ion:101 Resp: 3931

Ion Ratio Lower Upper

101 100

85 37.3 34.9 52.3

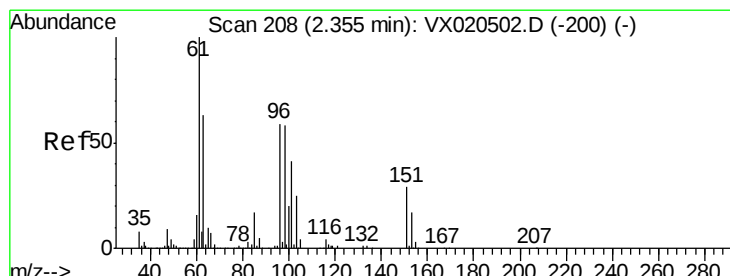
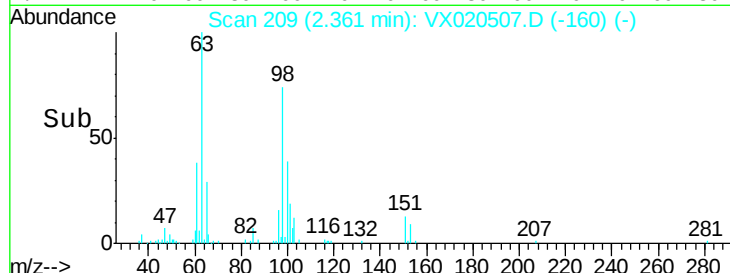
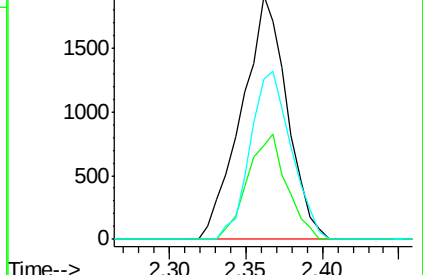
151 62.8 61.0 91.6



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: 0.309 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

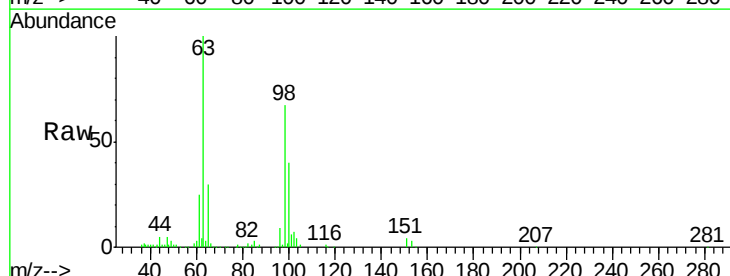
Tgt Ion: 96 Resp: 3619

Ion Ratio Lower Upper

96 100

61 260.2 118.2 219.6#

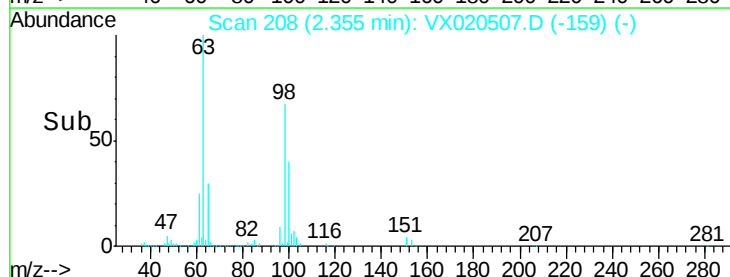
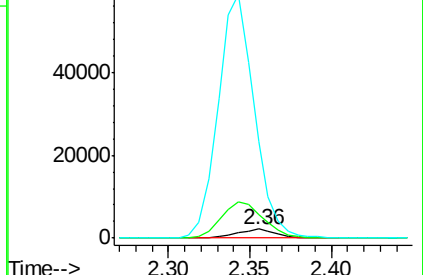
63 1058.5 74.2 137.8#

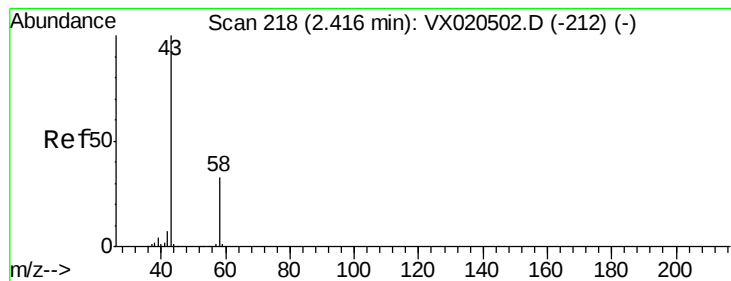


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 3.059 ug/L

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

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ClientSampleId :

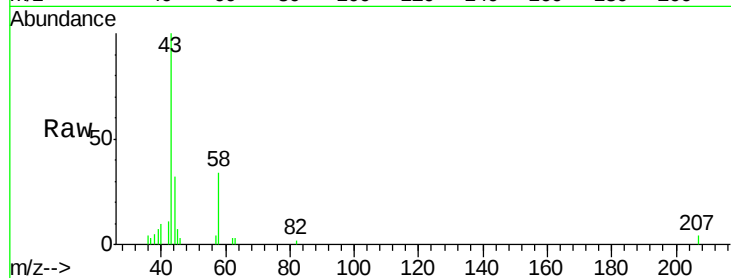
MDL-WATER-QT1-2021-01

Tot Ion: 43 Resp: 4910

Ion Ratio Lower Upper

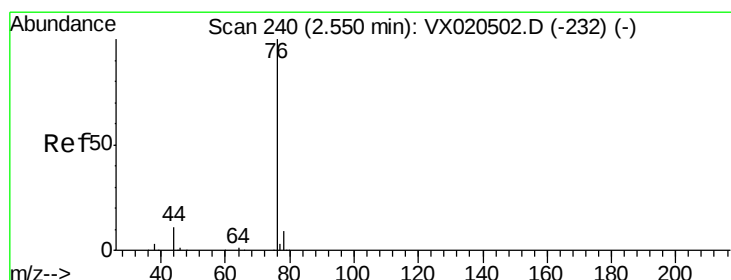
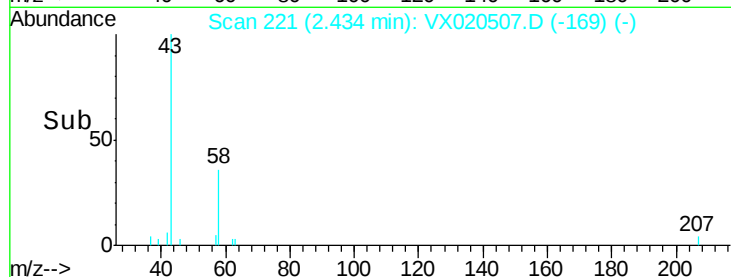
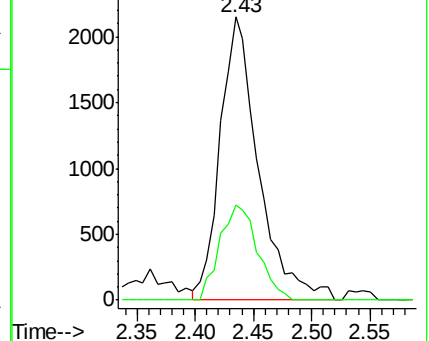
43 100

58 33.0 0.0 70.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.295 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020507.D

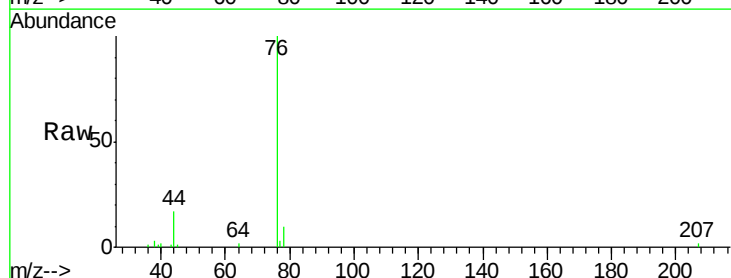
Acq: 05 Jan 2021 19:17

Tgt Ion: 76 Resp: 11734

Ion Ratio Lower Upper

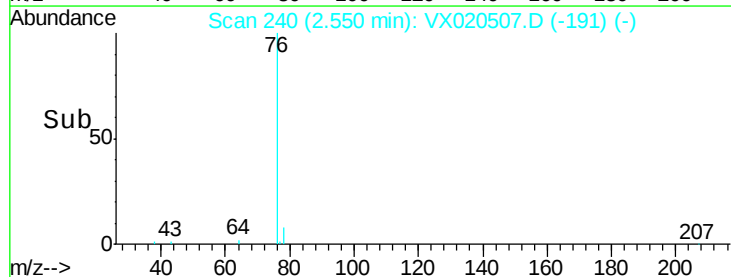
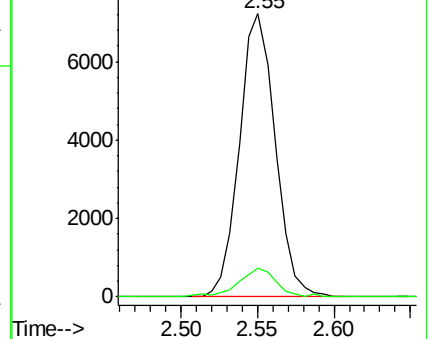
76 100

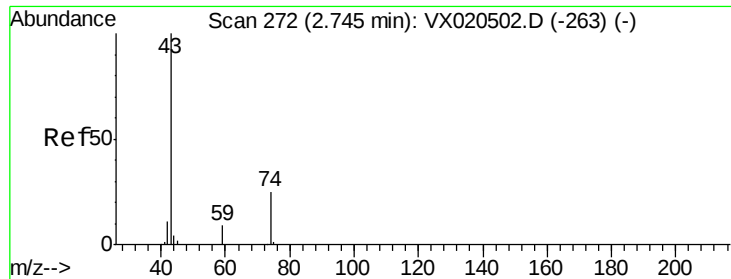
78 9.9 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

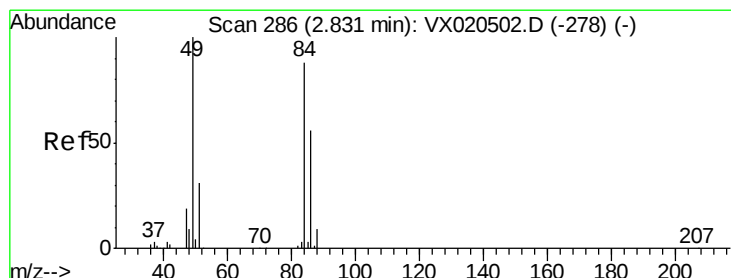
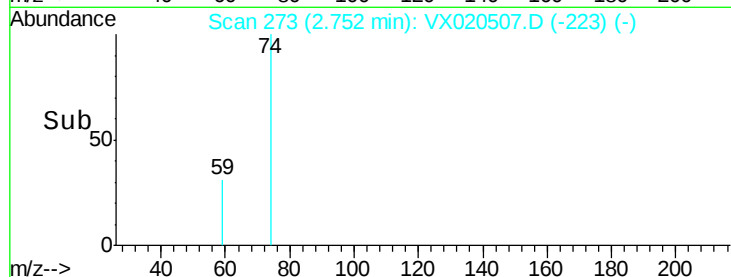
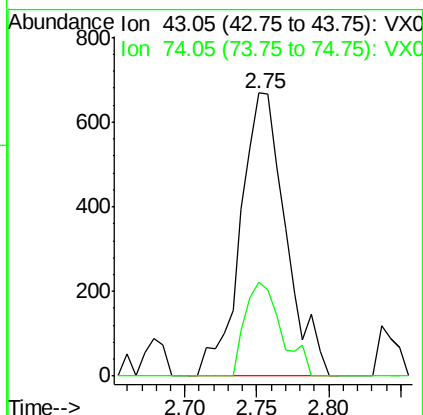
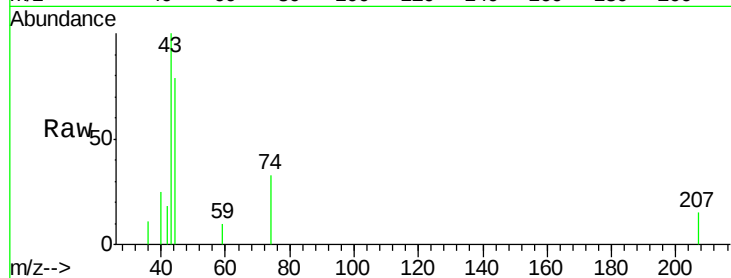




#15
Methyl Acetate
Concen: 0.322 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

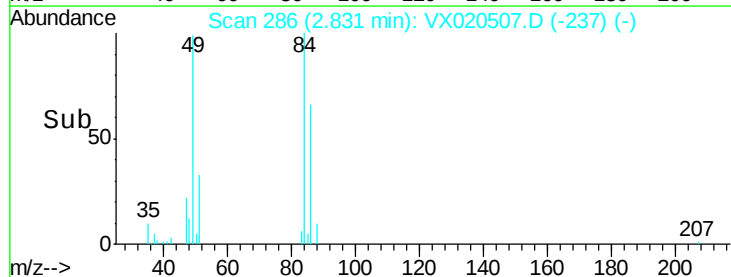
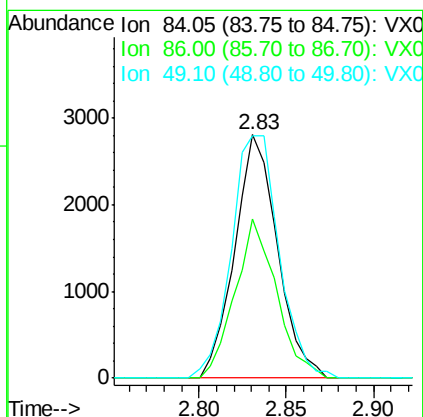
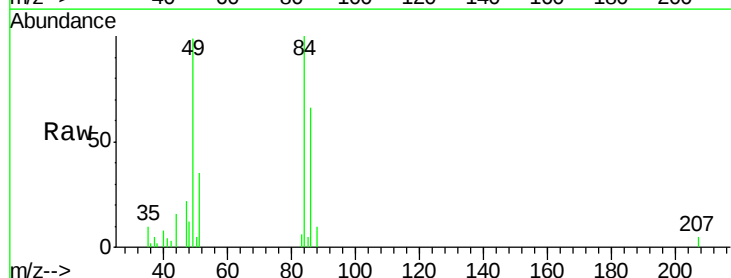
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

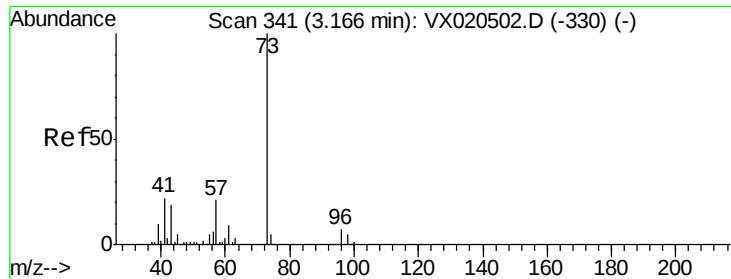
Tot Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
74 26.5 21.1 31.7



#16
Methylene chloride
Concen: 0.327 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion: 84 Resp: 4760
Ion Ratio Lower Upper
84 100
86 65.6 44.6 82.8
49 99.5 79.5 147.6

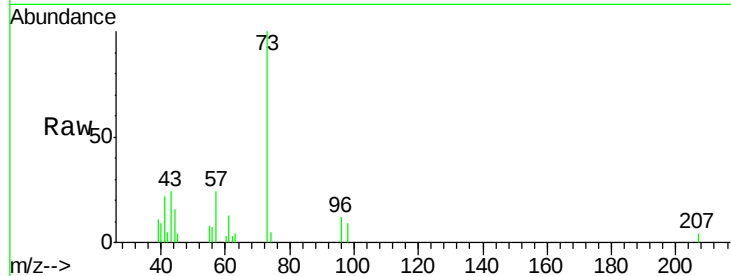




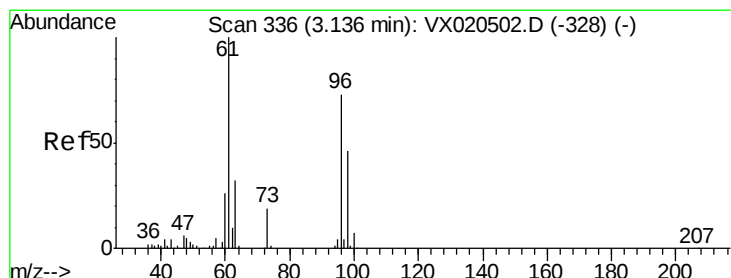
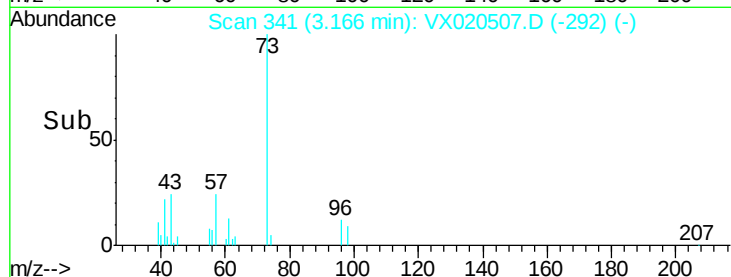
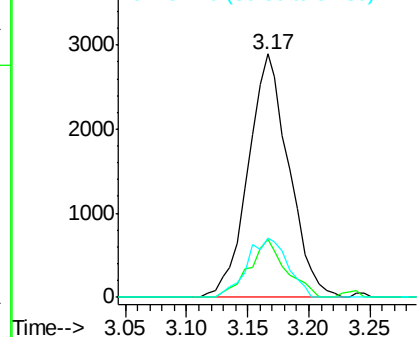
#17
Methvl tert-butvl Ether
Concen: 0.251 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

Tot Ion: 73 Resp: 6704
Ion Ratio Lower Upper
73 100
43 21.5 15.1 22.7
57 24.3 17.4 26.2

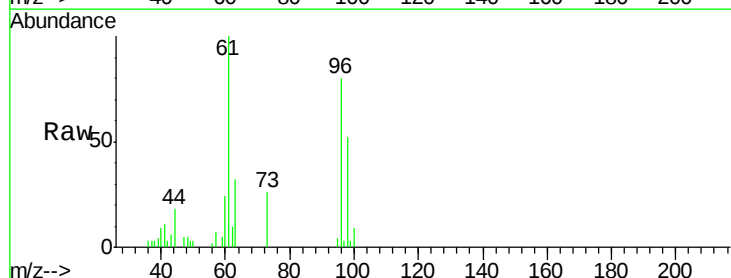


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

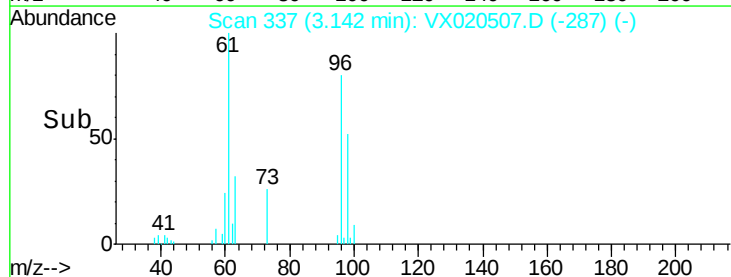
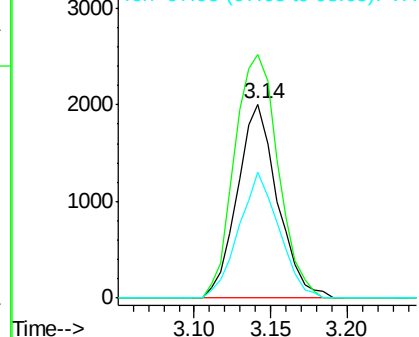


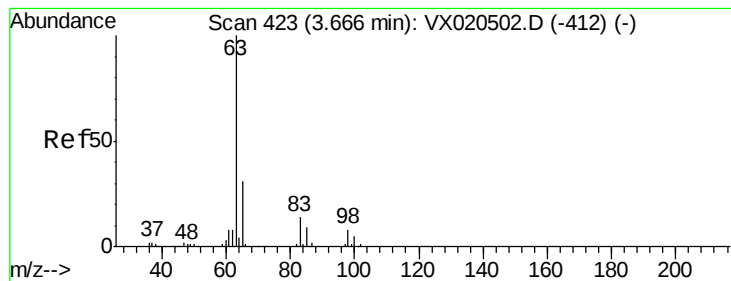
#18
trans-1,2-Dichloroethene
Concen: 0.280 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion: 96 Resp: 3653
Ion Ratio Lower Upper
96 100
61 125.7 95.4 177.2
98 65.2 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 97.95 (97.65 to 98.65): VX0





#19

1,1-Dichloroethane

Concen: 0.265 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2021-01

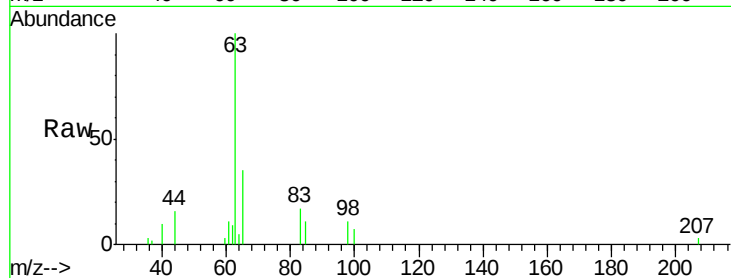
Tot Ion: 63 Resp: 6147

Ion Ratio Lower Upper

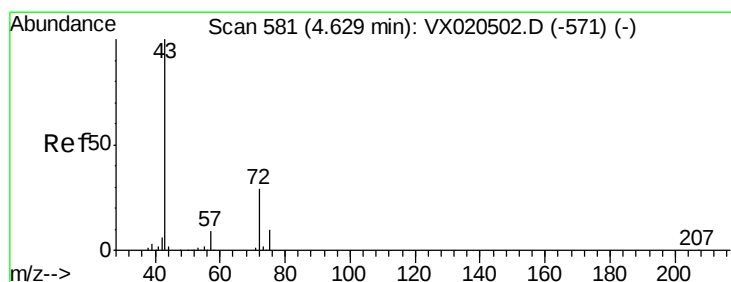
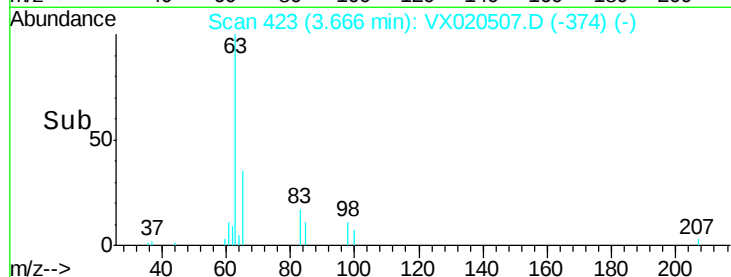
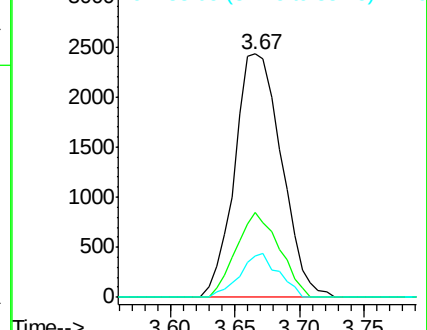
63 100

65 34.7 21.8 40.6

83 17.2 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 65.10 (64.80 to 65.80): VX0
Ion 83.05 (82.75 to 83.75): VX0



#21

2-Butanone

Concen: 2.865 ug/L

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX020507.D

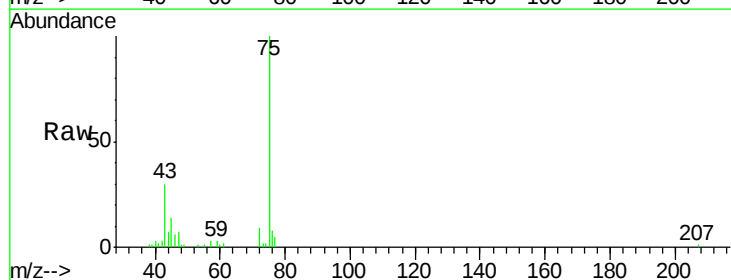
Acq: 05 Jan 2021 19:17

Tgt Ion: 43 Resp: 7847

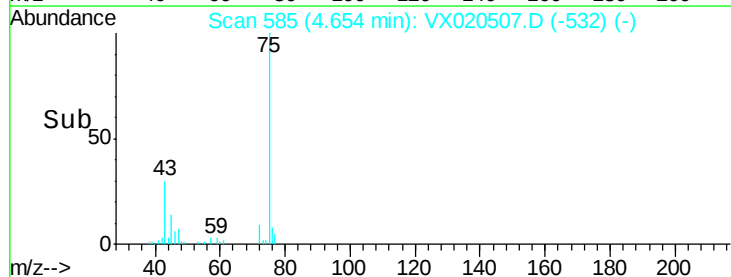
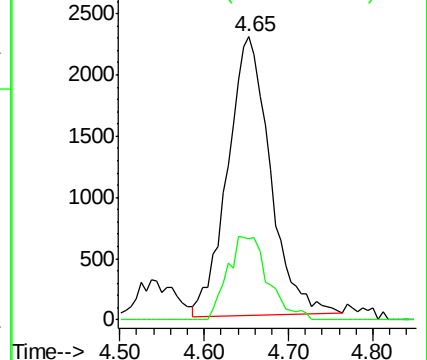
Ion Ratio Lower Upper

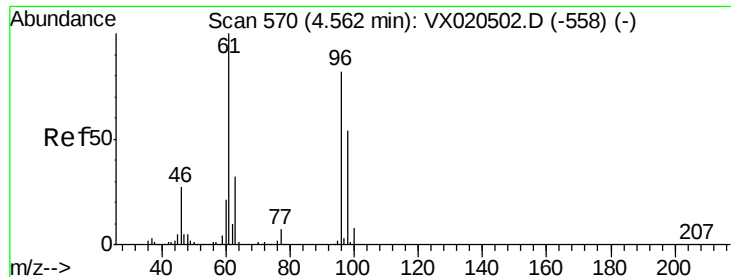
43 100

72 28.4 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 72.10 (71.80 to 72.80): VX0



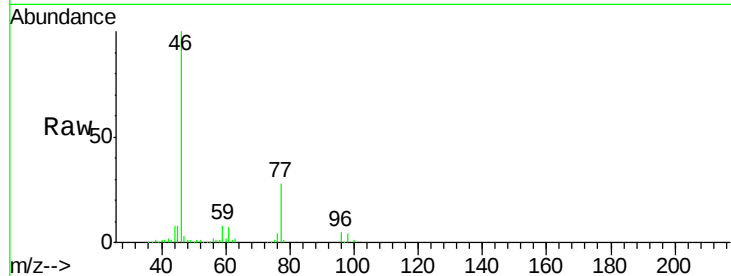


#22

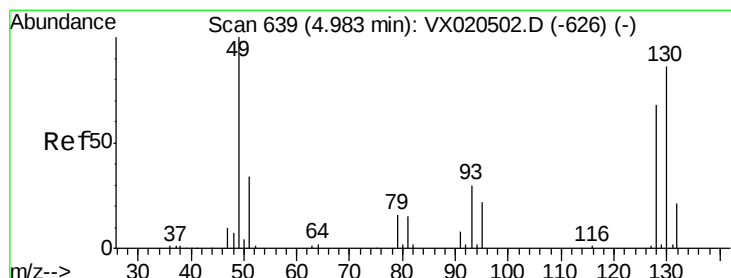
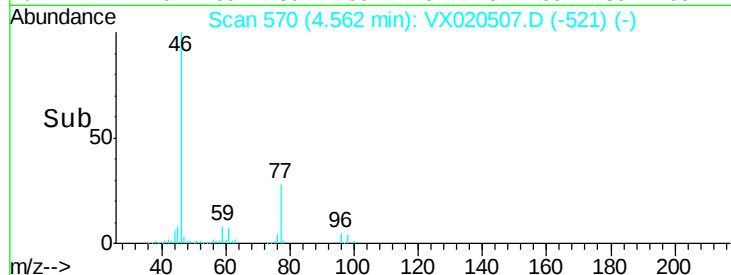
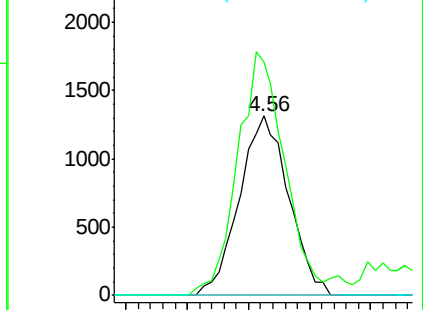
cis-1,2-Dichloroethene
Concen: 0.270 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

Tot Ion: 96 Resp: 3683
Ion Ratio Lower Upper
96 100
61 130.2 85.9 159.5
68 0.0 0.0 0.0



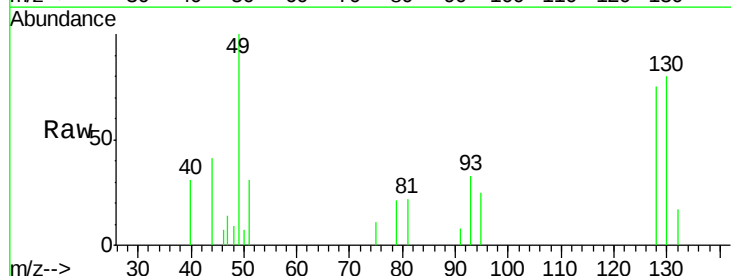
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



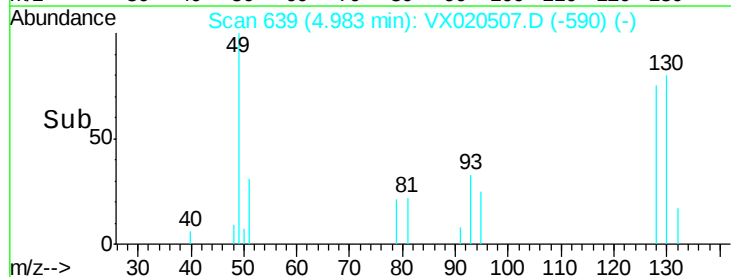
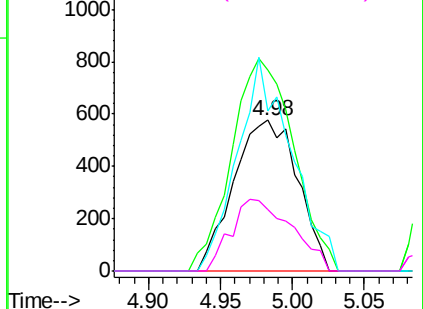
#23

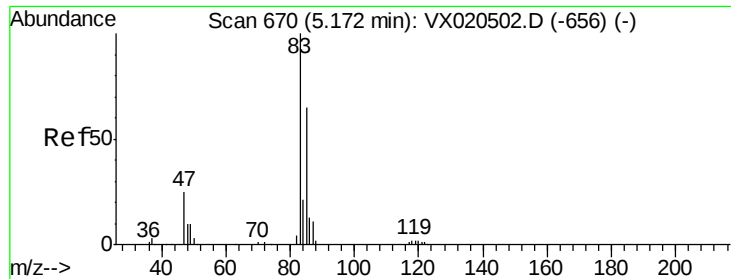
Bromochloromethane
Concen: 0.295 ug/L
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion: 128 Resp: 1784
Ion Ratio Lower Upper
128 100
49 132.8 103.2 191.6
130 106.2 89.1 165.5
51 40.7 39.6 59.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VX0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VX0





#25

Chloroform

Concen: 0.373 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

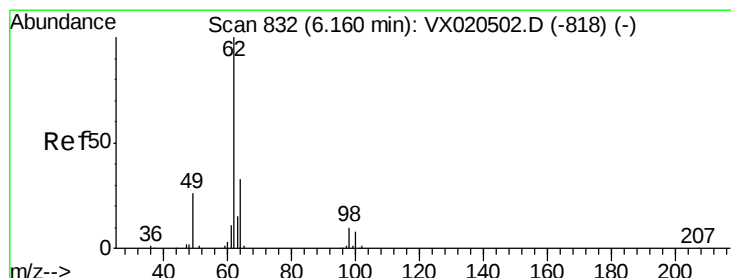
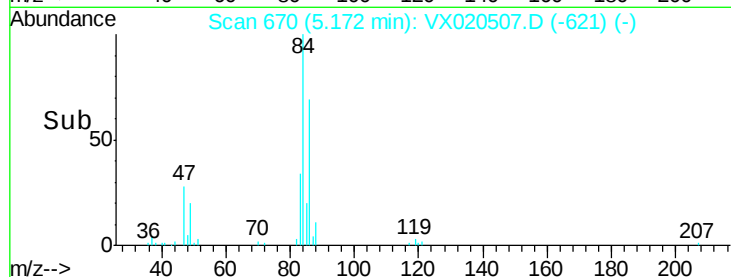
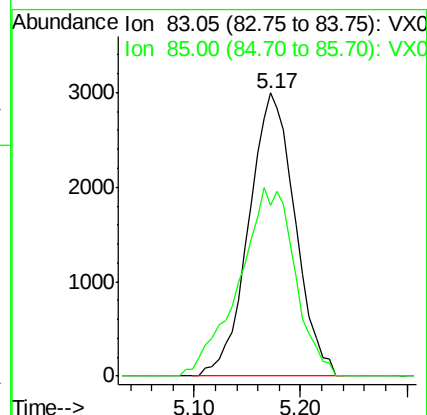
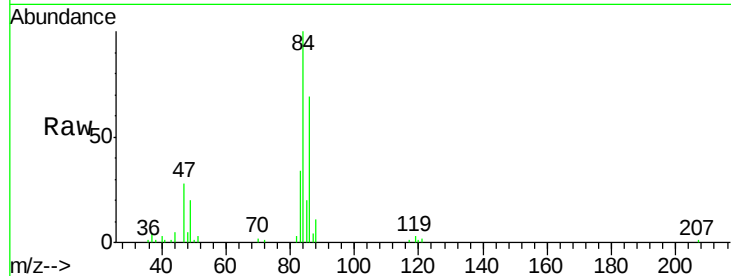
MDL-WATER-QT1-2021-01

Tot Ion: 83 Resp: 9096

Ion Ratio Lower Upper

83 100

85 60.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.285 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX020507.D

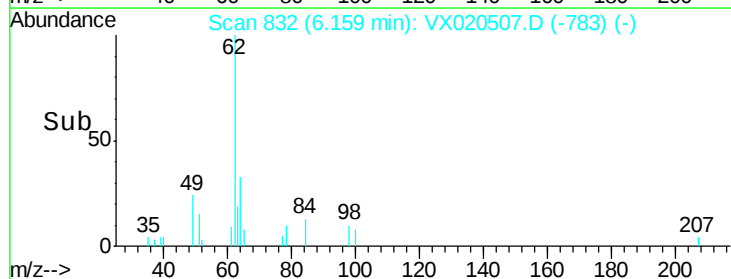
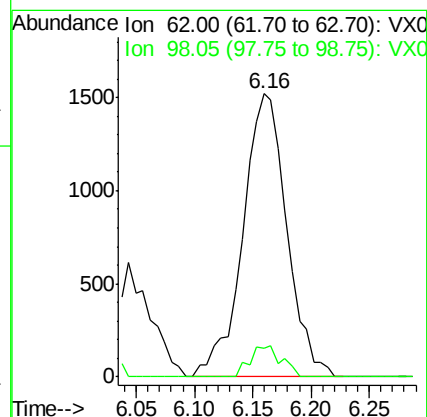
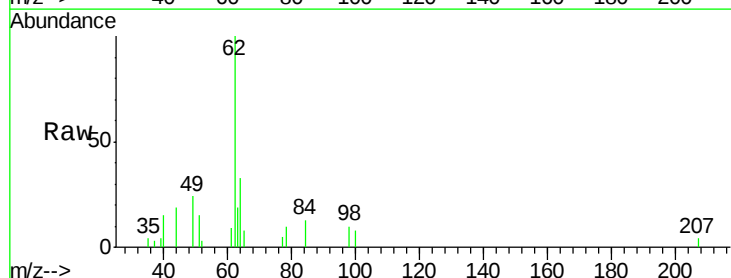
Acq: 05 Jan 2021 19:17

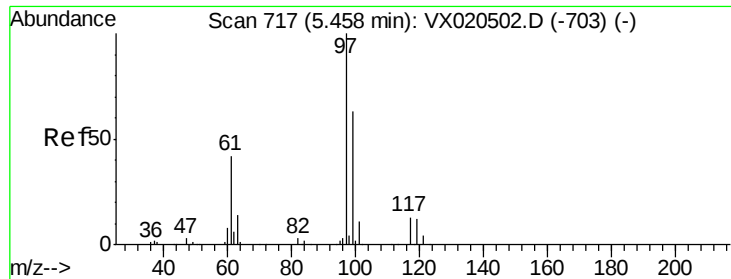
Tgt Ion: 62 Resp: 3991

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9

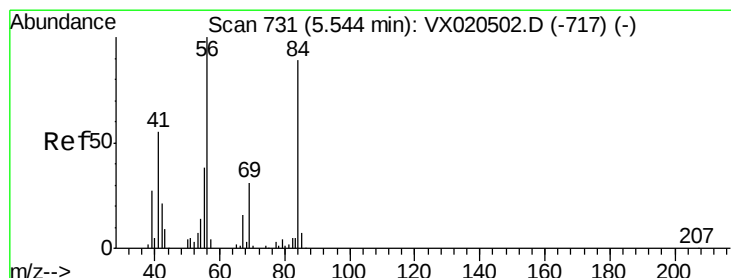
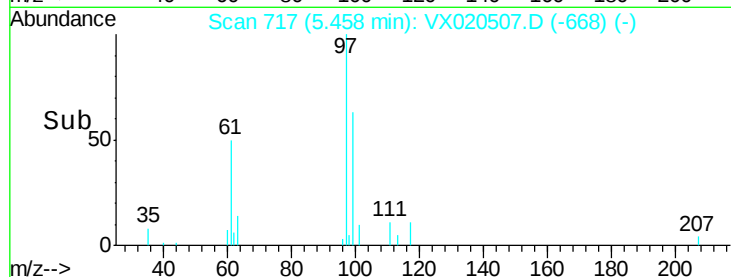
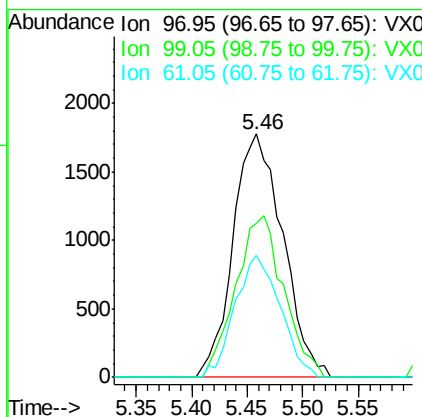
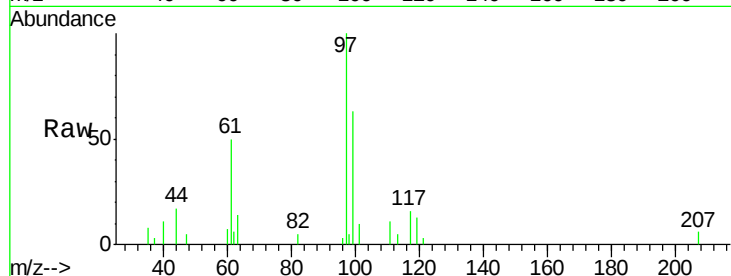




#29
 1,1,1-Trichloroethane
 Concen: 0.268 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

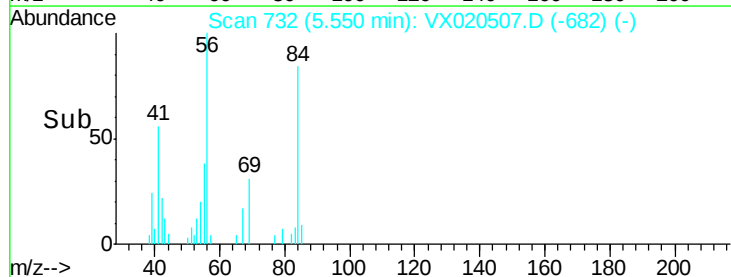
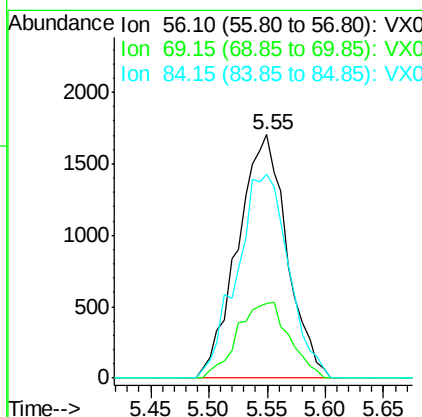
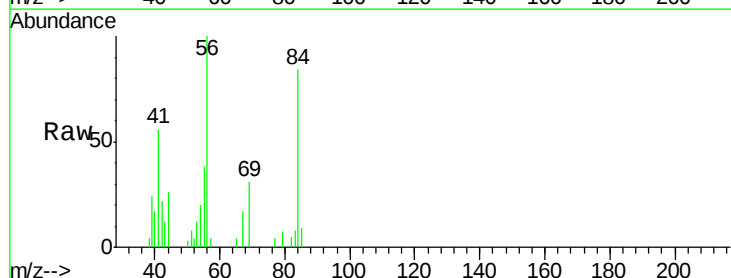
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

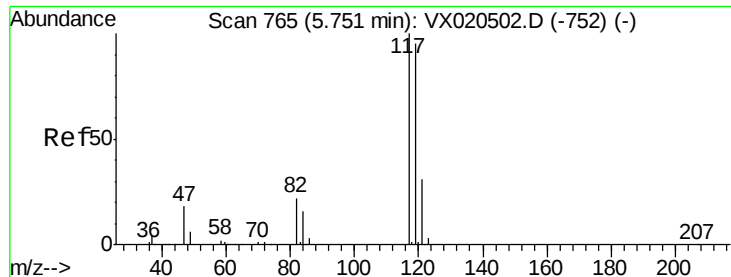
Tot Ion: 97 Resp: 5511
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.2 76.8
 61 45.7 35.3 52.9



#30
 Cyclohexane
 Concen: 0.258 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion: 56 Resp: 5007
 Ion Ratio Lower Upper
 56 100
 69 32.7 25.8 38.6
 84 88.0 72.4 108.6





#31

Carbon tetrachloride

Concen: 0.256 ug/L

RT: 5.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

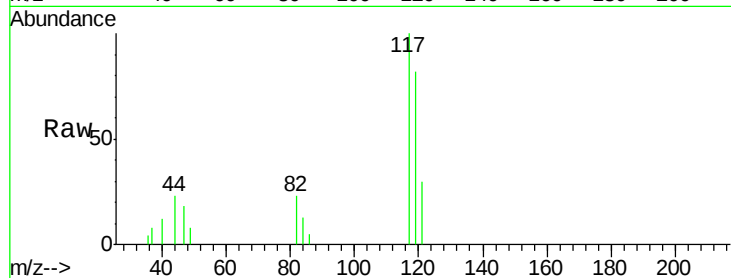
MDL-WATER-QT1-2021-01

Tot Ion:117 Resp: 4515

Ion Ratio Lower Upper

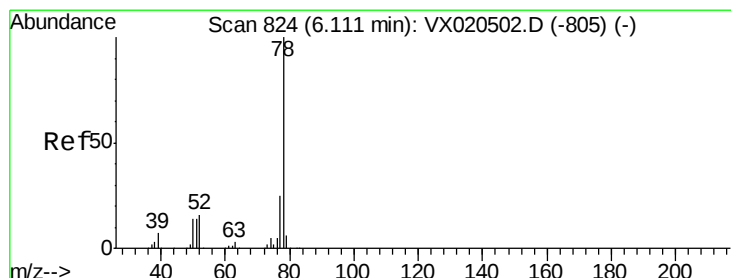
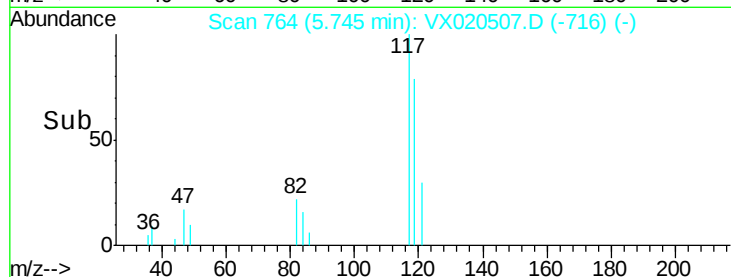
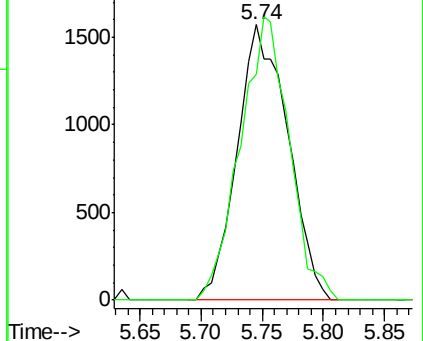
117 100

119 99.7 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.268 ug/L

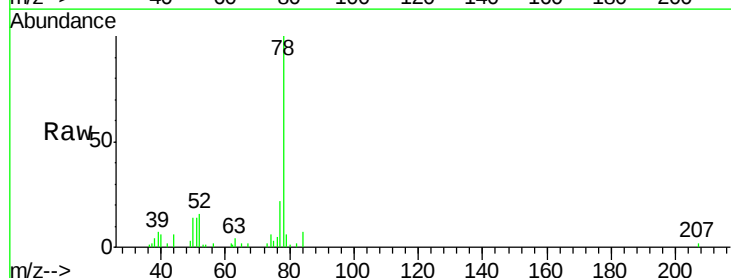
RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

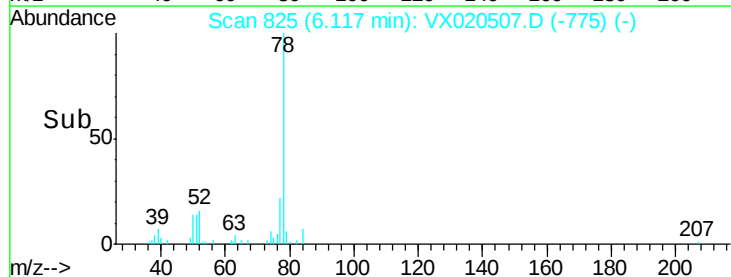
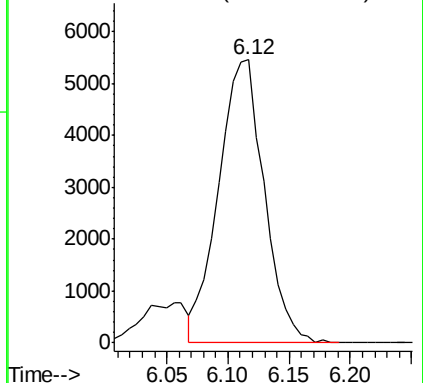
Lab File: VX020507.D

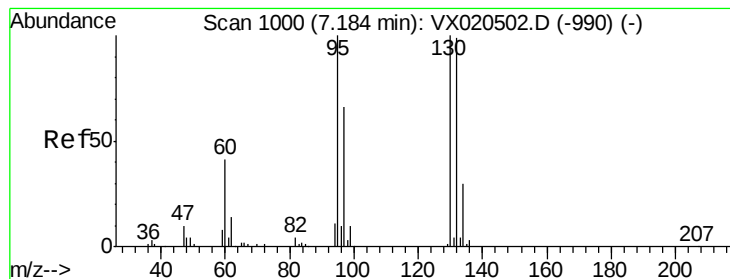
Acq: 05 Jan 2021 19:17

Tgt Ion: 78 Resp: 14168



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 0.276 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2021-01

Tot Ion: 95 Resp: 3788

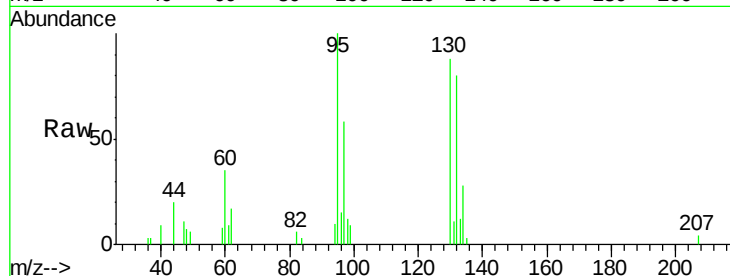
Ion Ratio Lower Upper

95 100

97 58.0 46.0 85.4

132 79.9 69.0 128.1

130 88.2 69.7 129.4

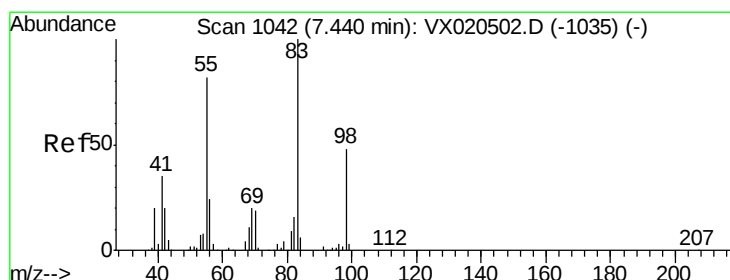
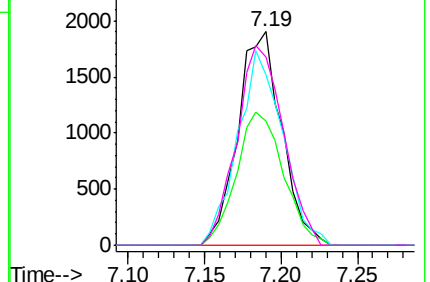
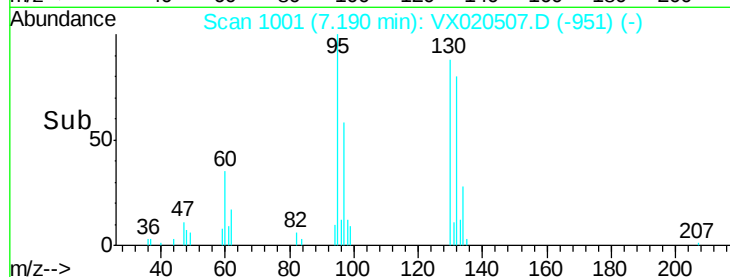


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.247 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

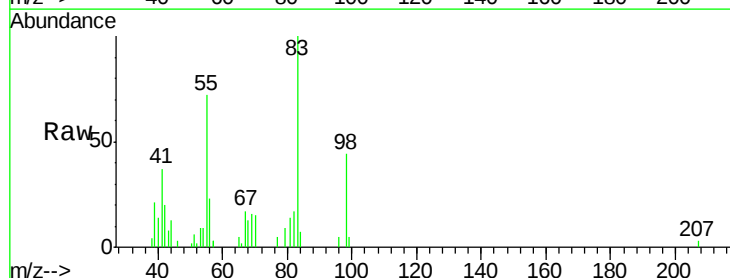
Tgt Ion: 83 Resp: 5108

Ion Ratio Lower Upper

83 100

55 80.0 63.4 95.0

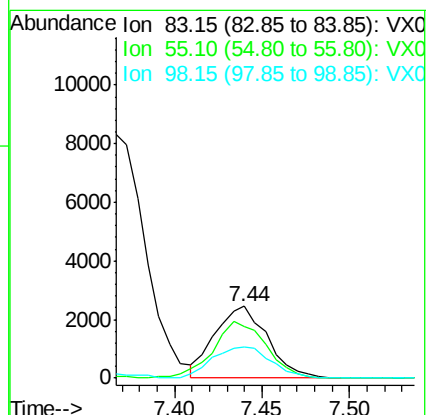
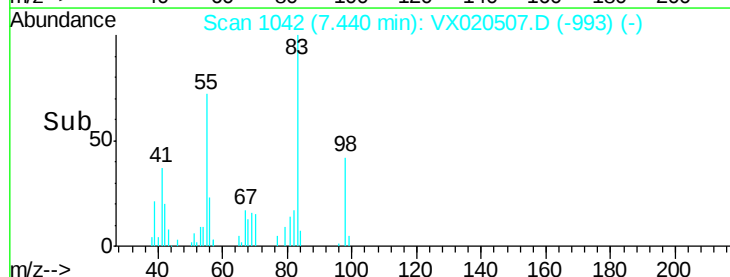
98 48.5 39.2 58.8

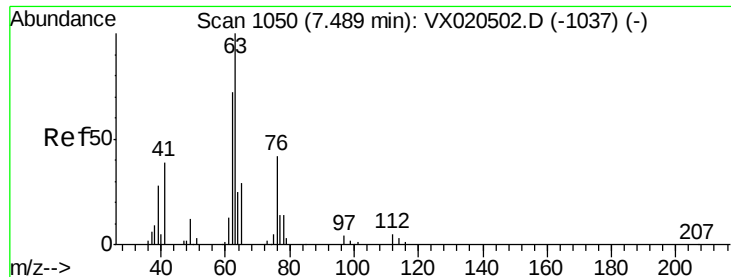


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 0.259 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

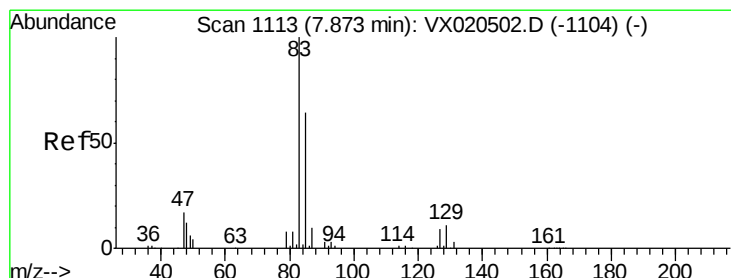
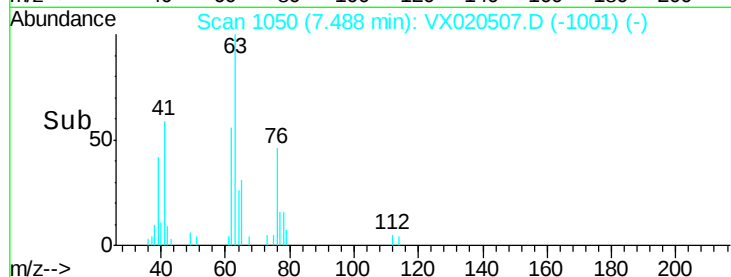
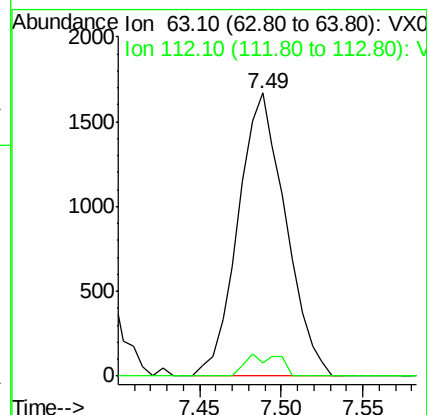
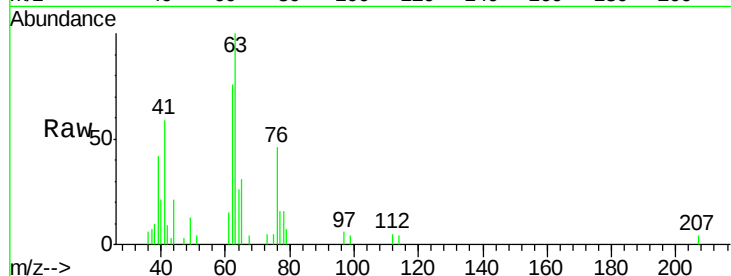
MDL-WATER-QT1-2021-01

Tot Ion: 63 Resp: 3380

Ion Ratio Lower Upper

63 100

112 5.5 3.9 5.9



#38

Bromodichloromethane

Concen: 0.255 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

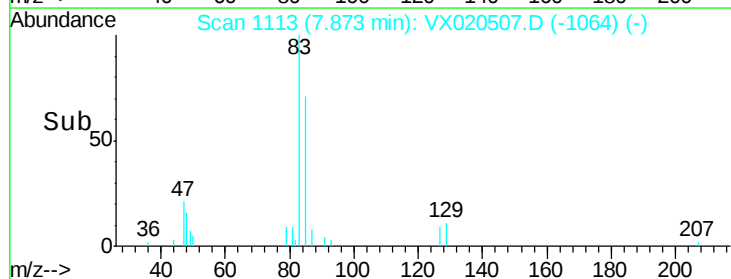
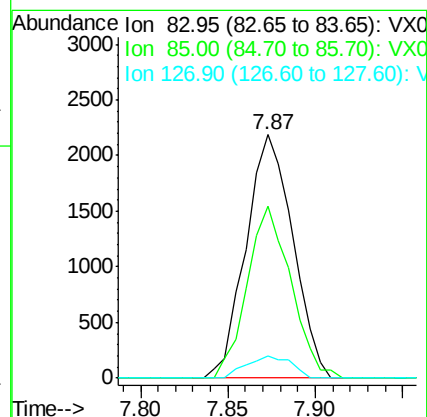
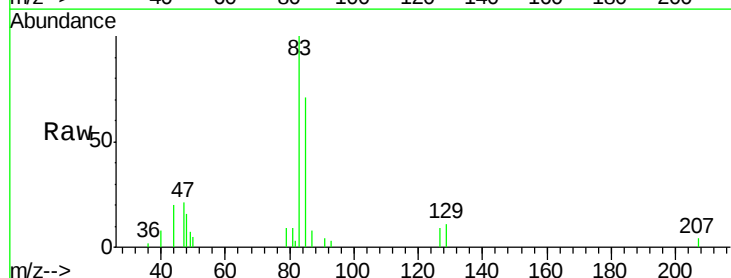
Tgt Ion: 83 Resp: 4073

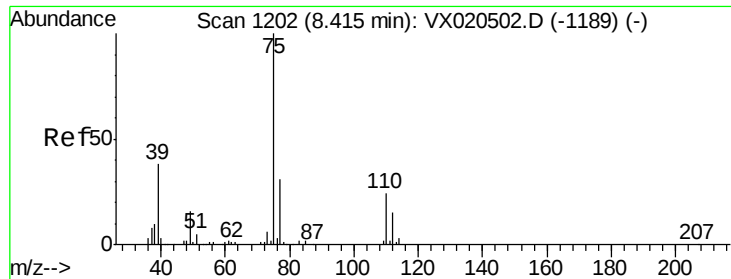
Ion Ratio Lower Upper

83 100

85 70.8 44.6 82.8

127 9.1 7.0 10.4



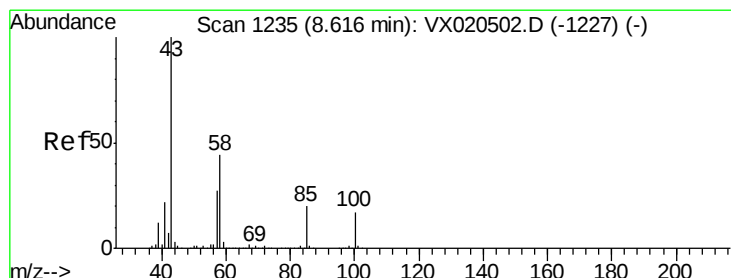
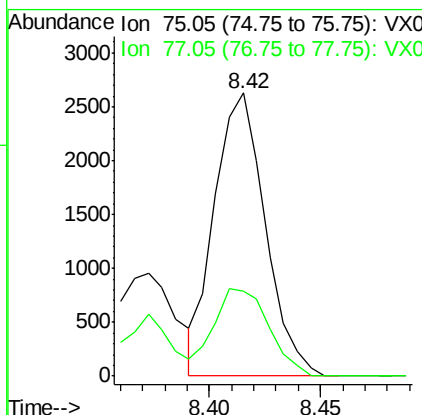
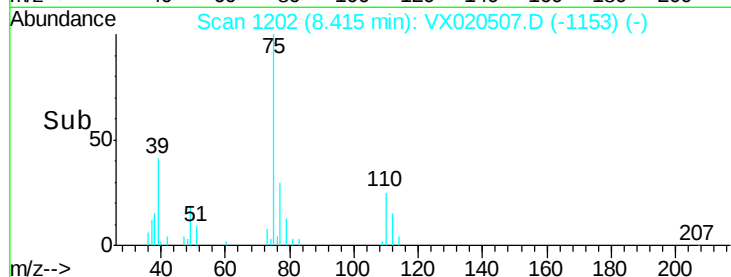
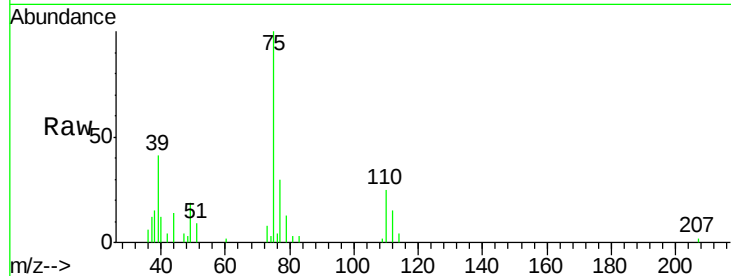


#39

cis-1,3-Dichloropropene
Concen: 0.235 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

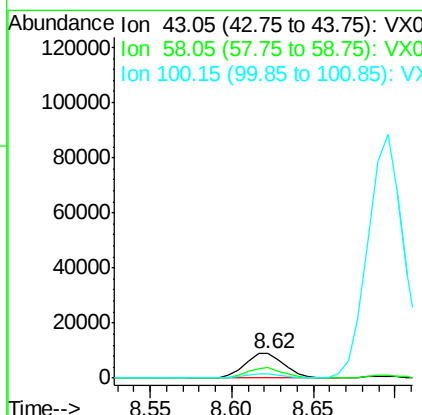
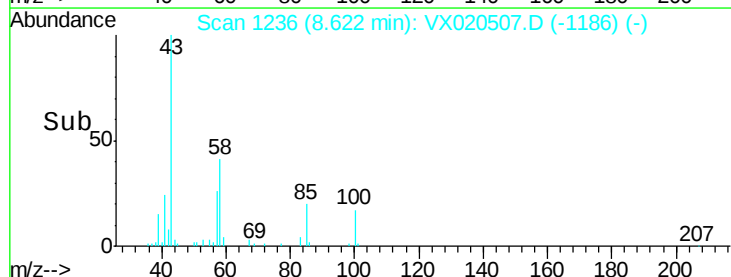
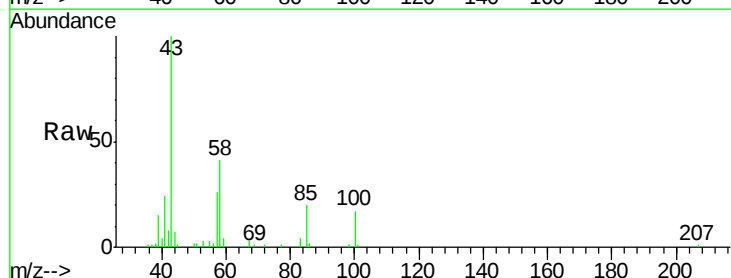
Tot Ion: 75 Resp: 4163
Ion Ratio Lower Upper
75 100
77 30.2 21.6 40.0

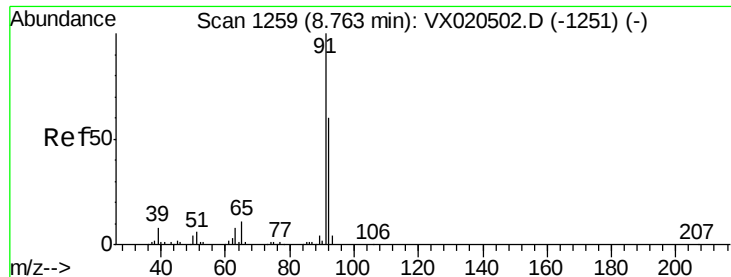


#40

4-Methyl-2-pentanone
Concen: 2.345 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion: 43 Resp: 14991
Ion Ratio Lower Upper
43 100
58 40.3 35.0 52.4
100 0.0 14.3 21.5#





#42

Toluene

Concen: 0.264 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

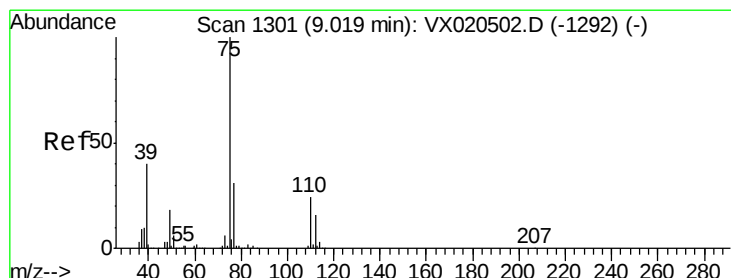
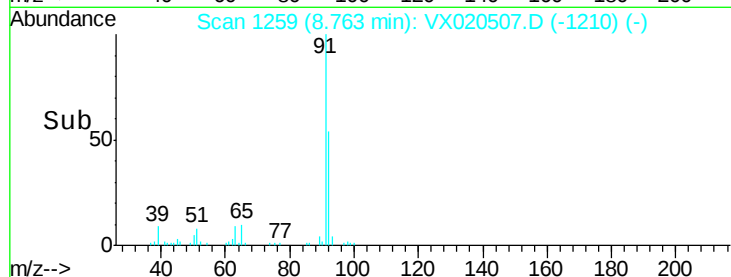
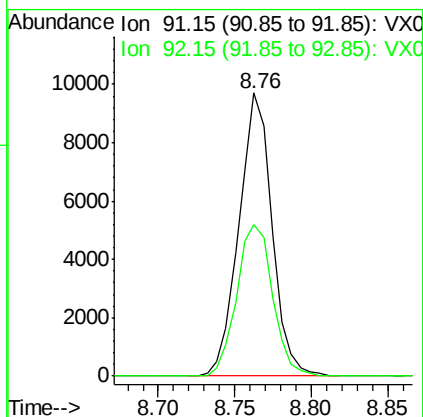
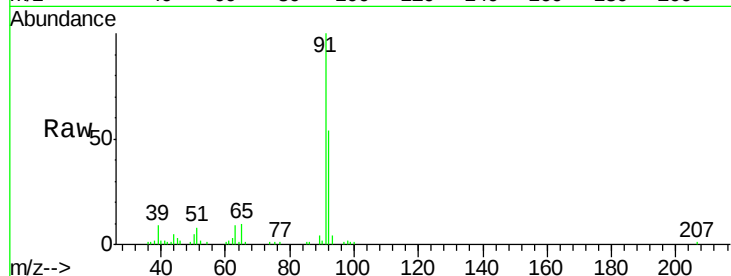
MDL-WATER-QT1-2021-01

Tot Ion: 91 Resp: 14542

Ion Ratio Lower Upper

91 100

92 53.7 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 0.320 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX020507.D

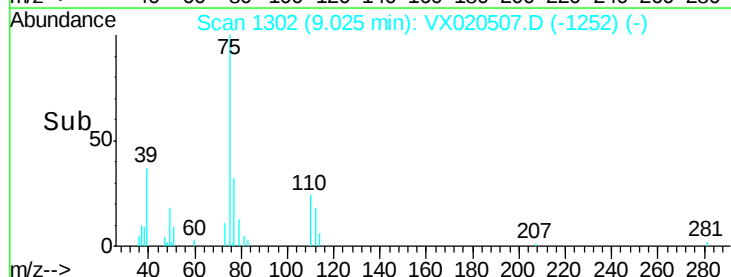
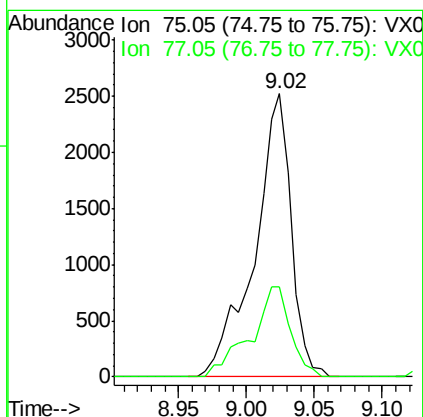
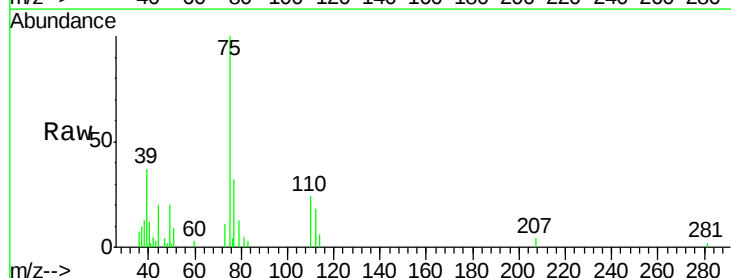
Acq: 05 Jan 2021 19:17

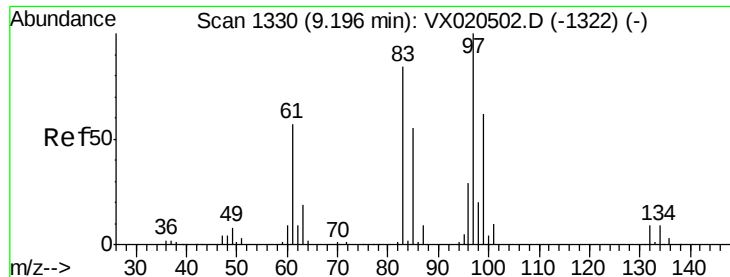
Tgt Ion: 75 Resp: 4759

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3

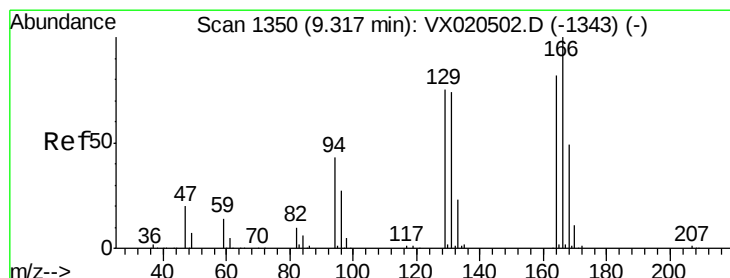
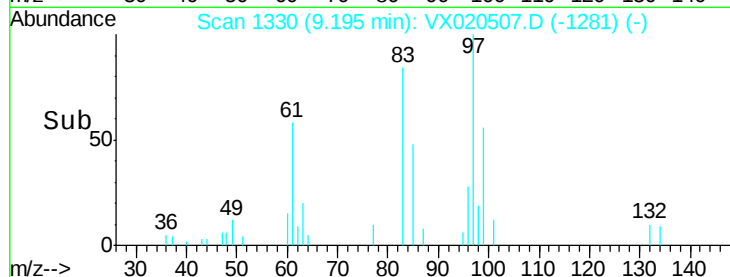
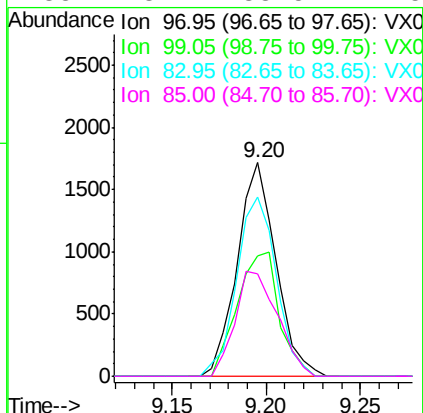
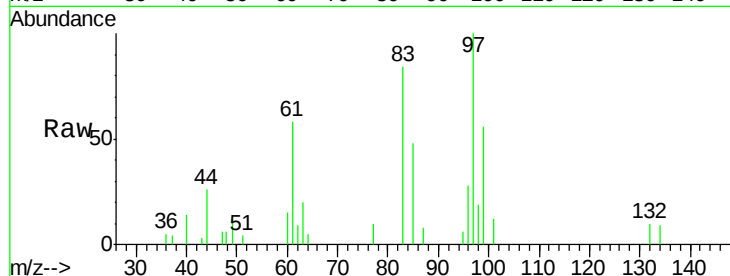




#45
 1,1,2-Trichloroethane
 Concen: 0.266 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

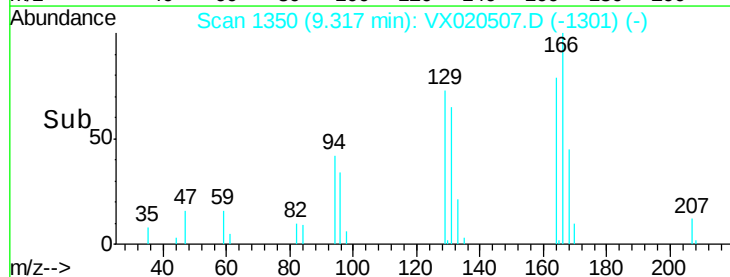
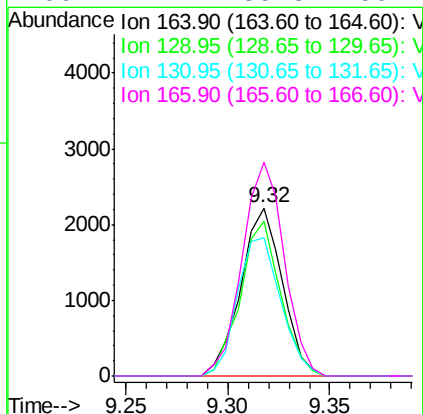
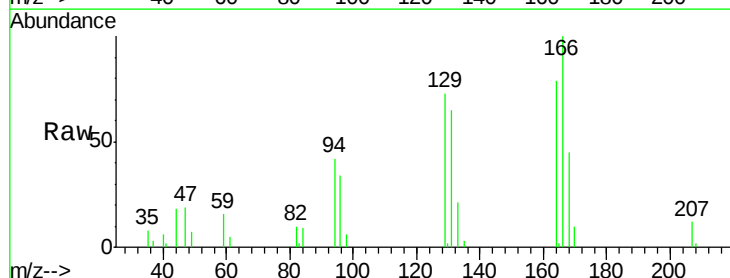
Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-QT1-2021-01

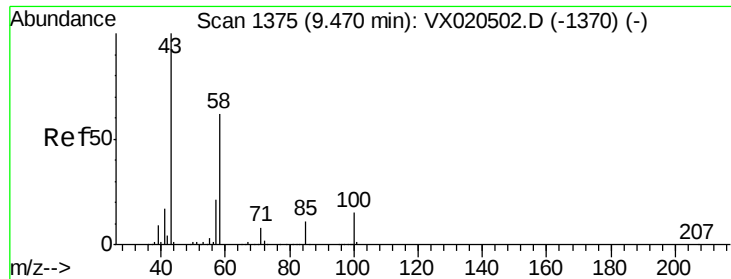
Tot Ion:	97	Resp:	2449
Ion	Ratio	Lower	Upper
97	100		
99	56.1	43.4	80.6
83	83.8	58.6	108.8
85	48.2	38.5	71.5



#47
 Tetrachloroethene
 Concen: 0.284 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion:	164	Resp:	3156
Ion	Ratio	Lower	Upper
164	100		
129	92.3	64.5	119.7
131	82.1	63.8	118.6
166	127.1	85.8	159.4

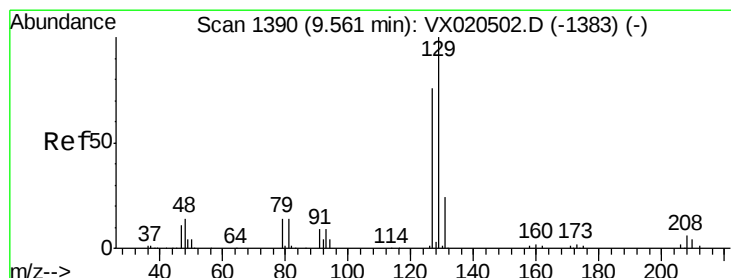
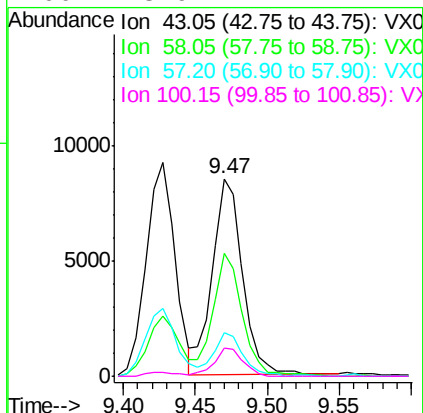
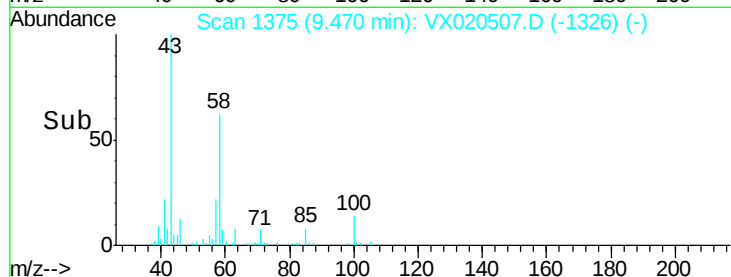
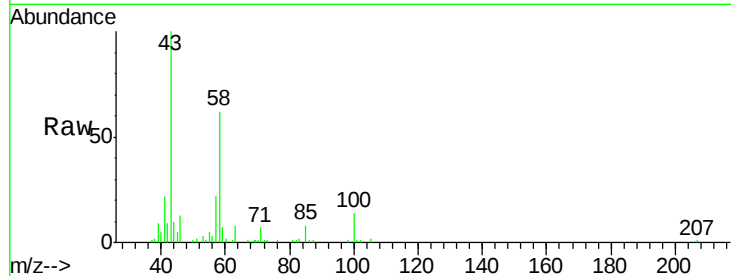




#48
2-Hexanone
Concen: 2.847 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

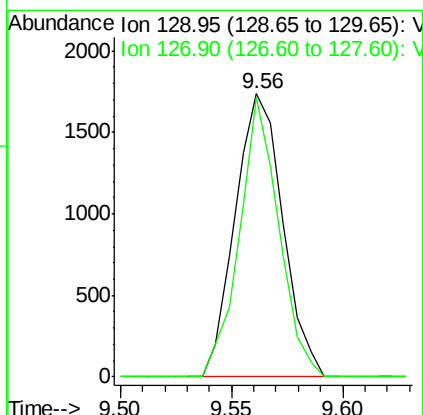
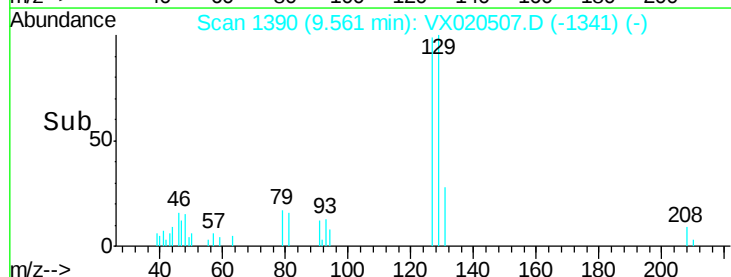
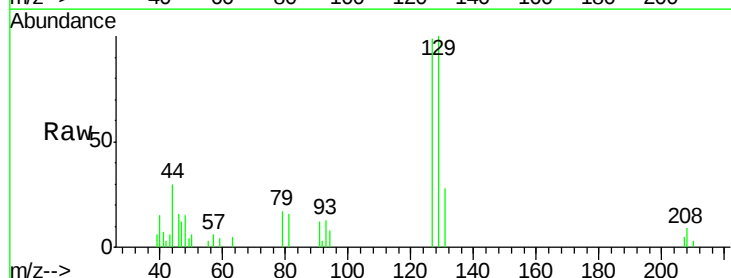
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

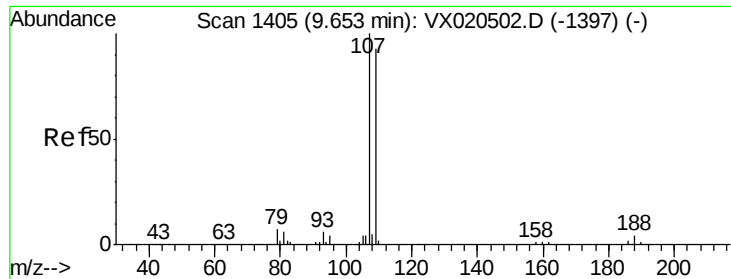
Tot Ion:	43	Resp:	12551
Ion	Ratio	Lower	Upper
43	100		
58	59.9	48.8	73.2
57	21.5	16.6	25.0
100	13.9	11.4	17.2



#49
Dibromochloromethane
Concen: 0.258 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion:	129	Resp:	2587
Ion	Ratio	Lower	Upper
129	100		
127	98.8	53.0	98.4#

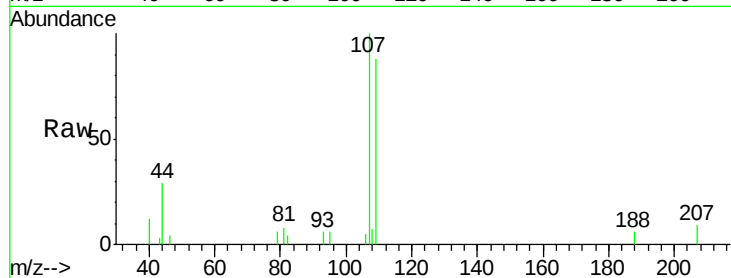




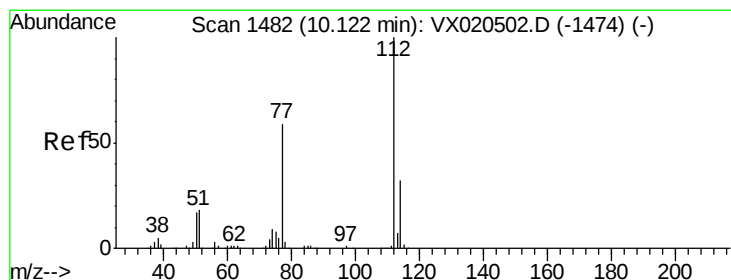
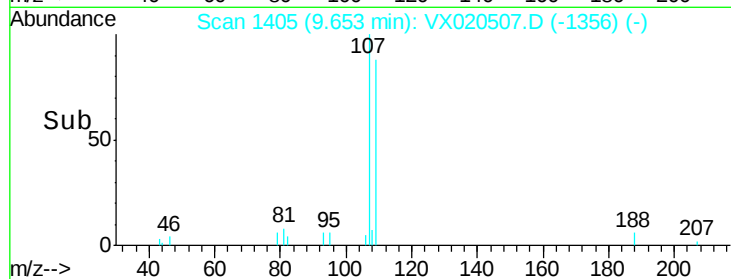
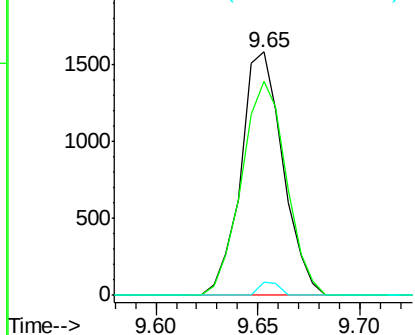
#50
1,2-Dibromoethane
Concen: 0.274 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

Tot Ion:107 Resp: 2268
Ion Ratio Lower Upper
107 100
109 87.9 65.0 120.8
188 5.6 3.4 5.0#

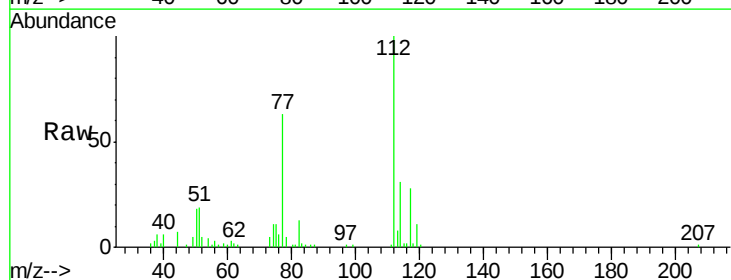


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

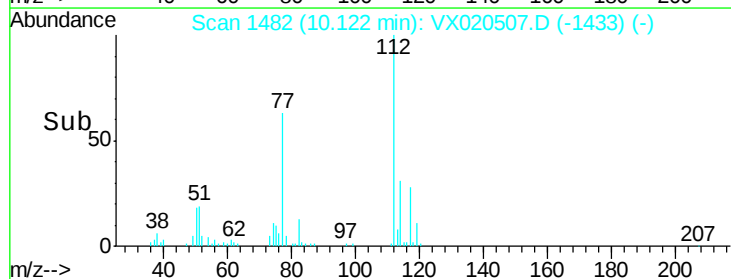
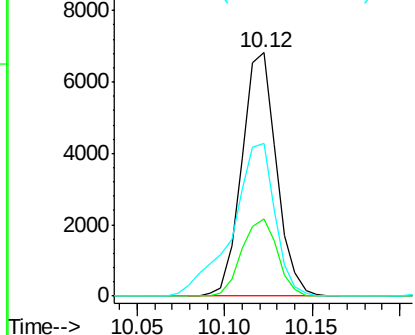


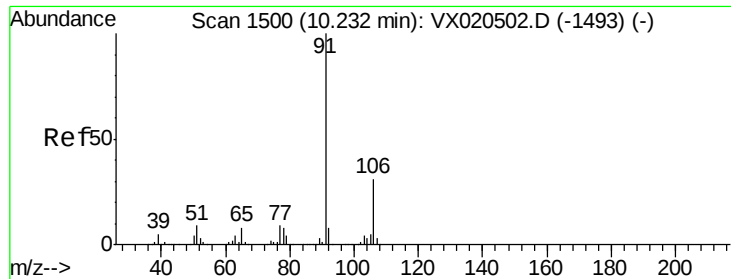
#51
Chlorobenzene
Concen: 0.273 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion:112 Resp: 9437
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 62.9 47.0 70.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.252 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

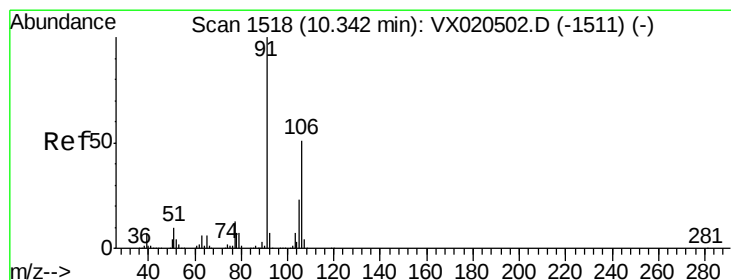
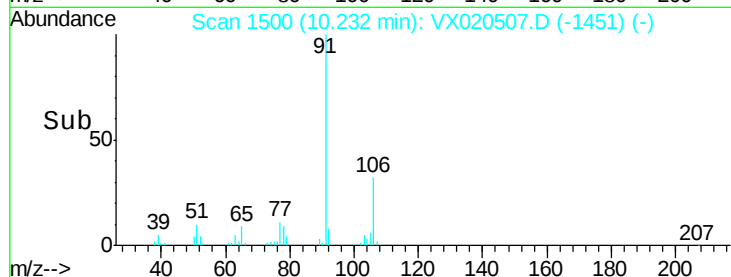
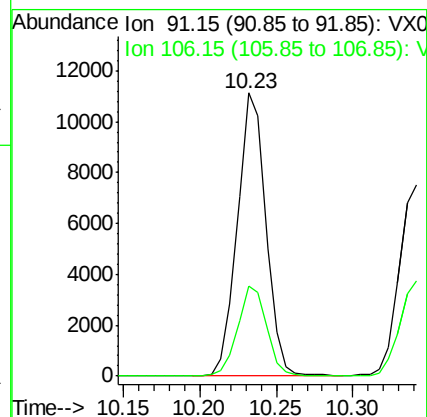
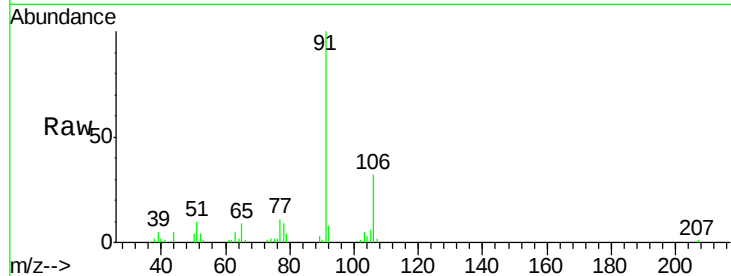
MDL-WATER-QT1-2021-01

Tot Ion: 91 Resp: 14443

Ion Ratio Lower Upper

91 100

106 31.9 21.6 40.0



#53

m,p-xylene

Concen: 0.237 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020507.D

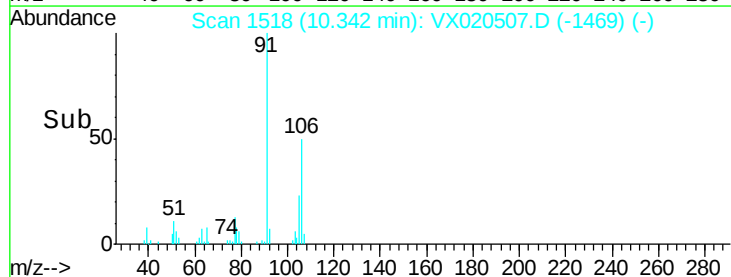
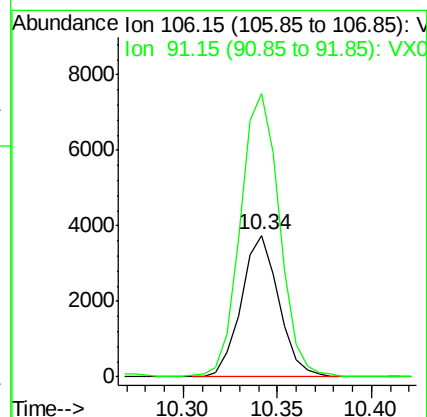
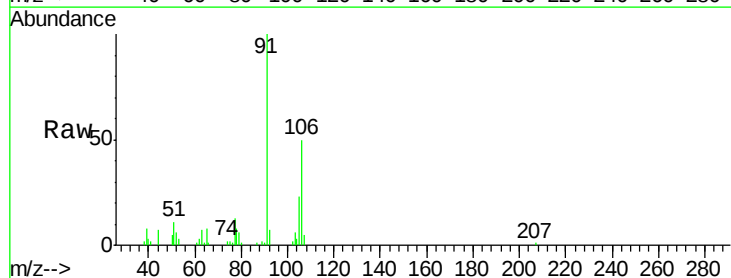
Acq: 05 Jan 2021 19:17

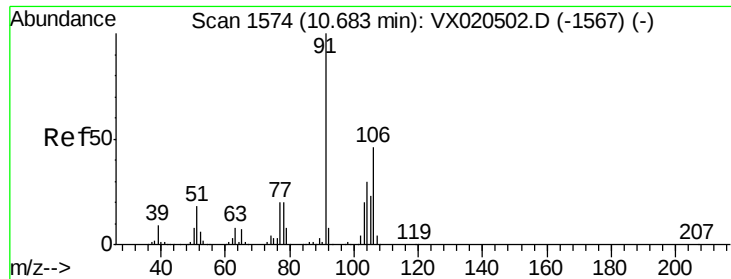
Tgt Ion: 106 Resp: 5167

Ion Ratio Lower Upper

106 100

91 200.0 137.4 255.2

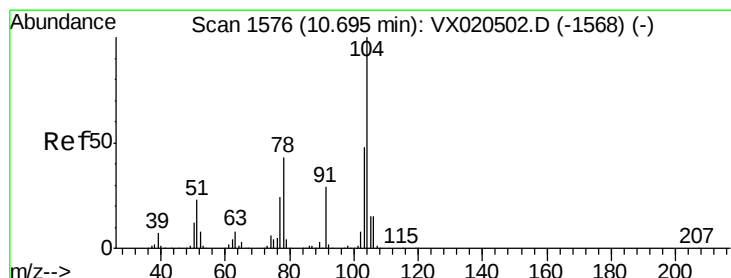
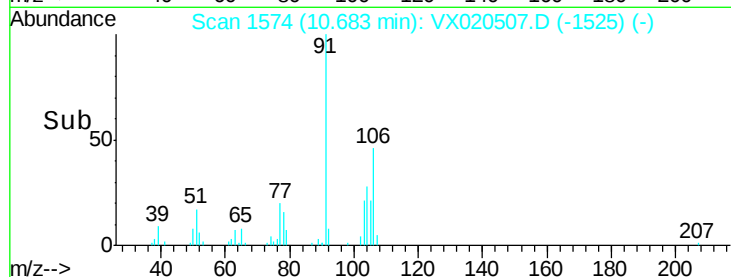
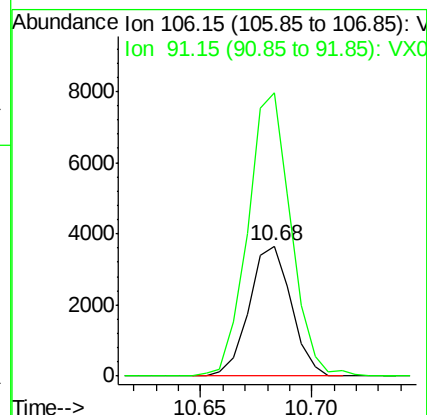
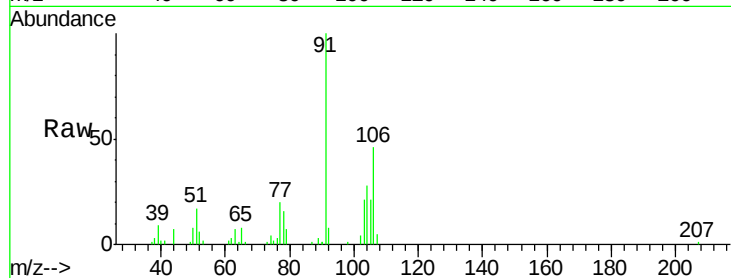




#54
o-xylene
Concen: 0.231 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

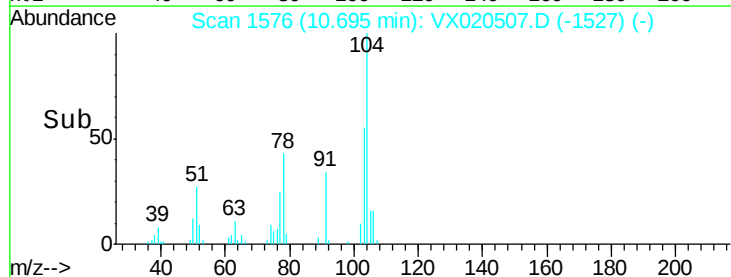
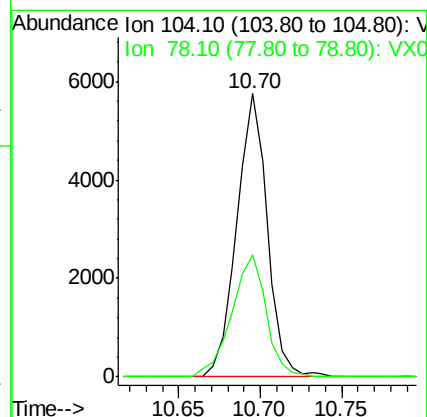
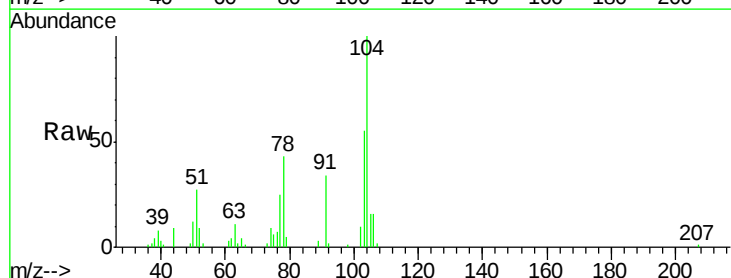
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2021-01

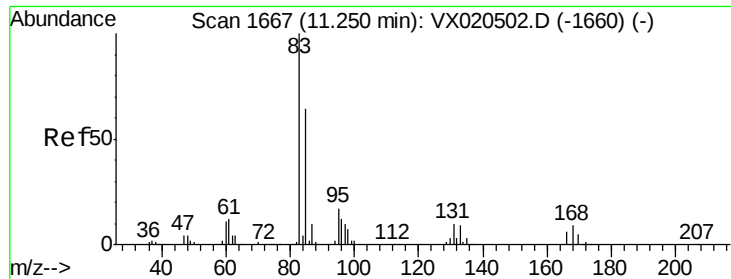
Tot Ion:106 Resp: 4804
Ion Ratio Lower Upper
106 100
91 217.1 151.1 280.7



#55
Styrene
Concen: 0.215 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX020507.D
Acq: 05 Jan 2021 19:17

Tgt Ion:104 Resp: 7495
Ion Ratio Lower Upper
104 100
78 42.9 30.3 56.3

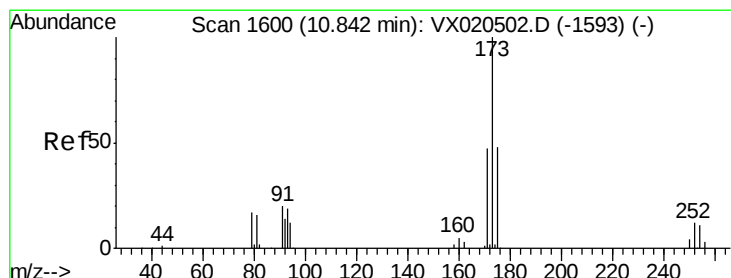
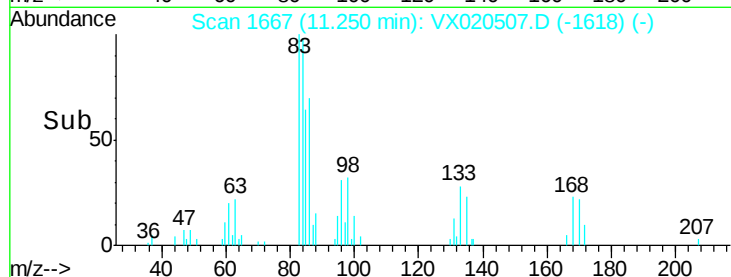
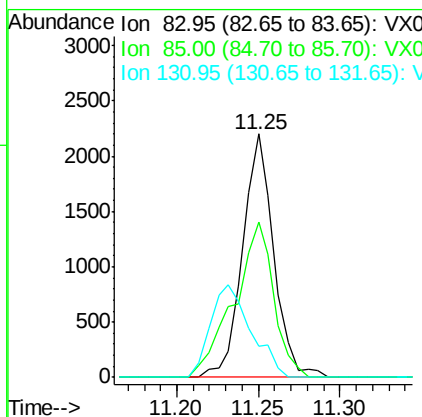
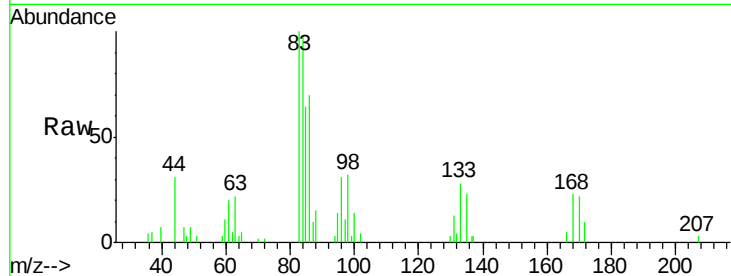




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.285 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

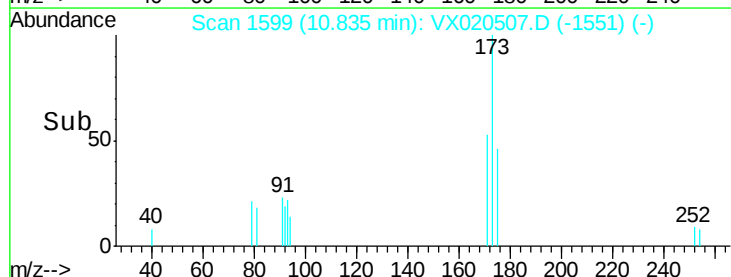
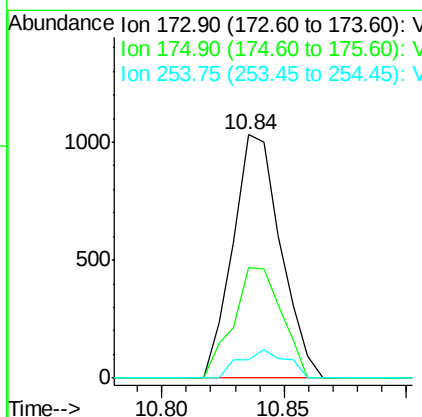
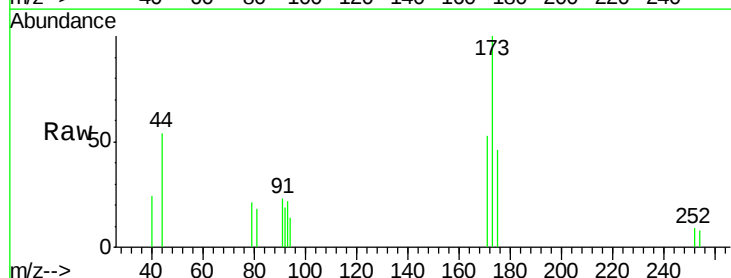
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

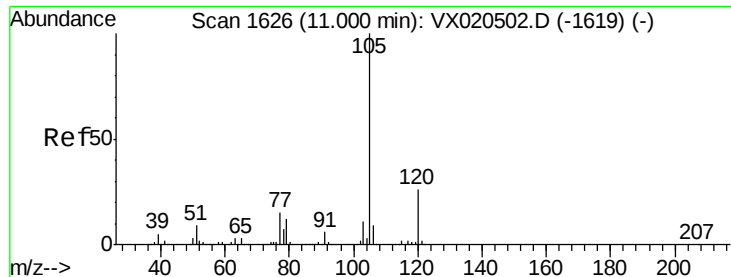
Tot Ion: 83 Resp: 2930
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.6 82.8
 131 12.6 8.2 12.2#



#59
 Bromoform
 Concen: 0.282 ug/L
 RT: 10.84 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion: 173 Resp: 1407
 Ion Ratio Lower Upper
 173 100
 175 46.1 38.0 57.0
 254 11.4 8.8 13.2





#60

Isopropylbenzene

Concen: 0.243 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2021-01

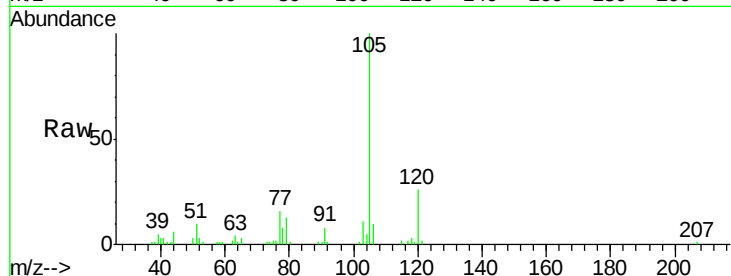
Tot Ion: 105 Resp: 12179

Ion Ratio Lower Upper

105 100

120 27.8 21.1 31.7

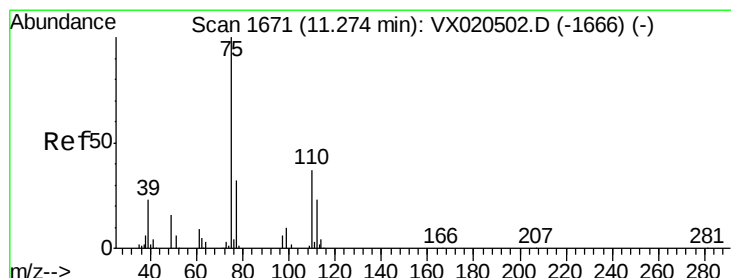
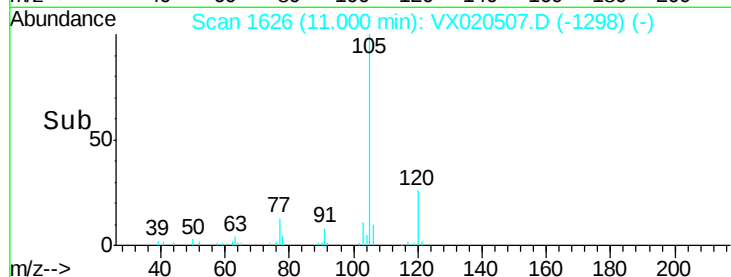
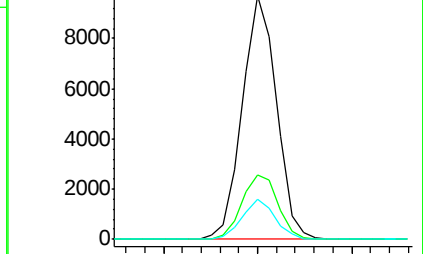
77 15.9 12.4 18.6



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: 0.297 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

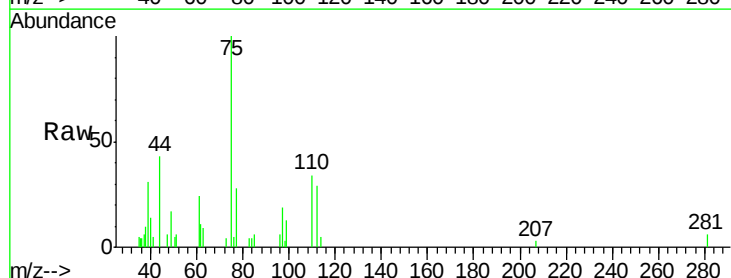
Tgt Ion: 75 Resp: 2073

Ion Ratio Lower Upper

75 100

77 30.7 26.3 39.5

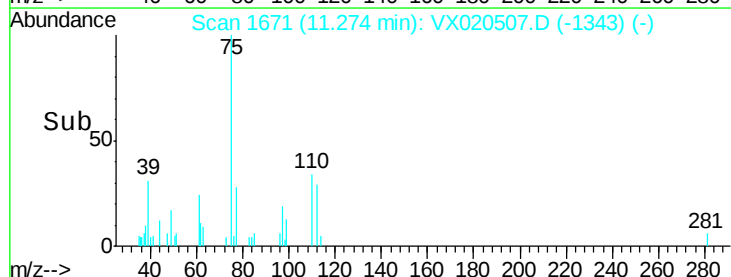
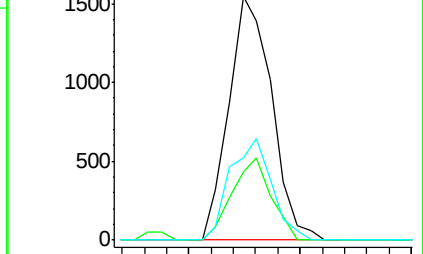
110 40.5 32.1 48.1

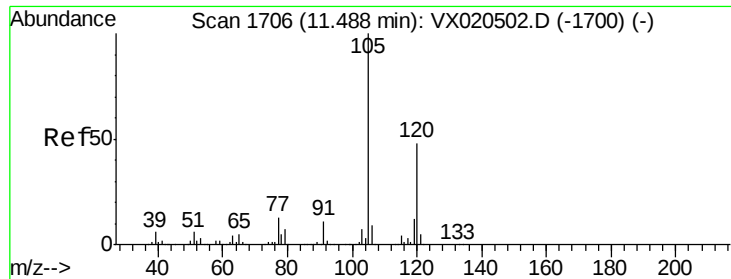


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

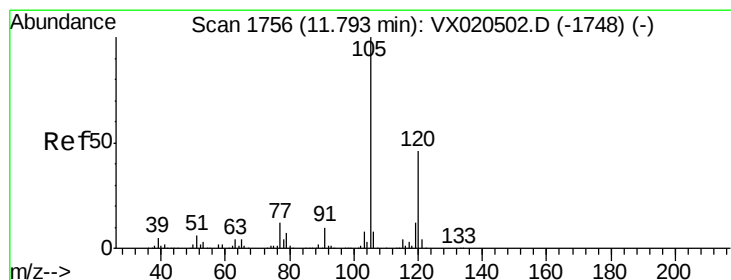
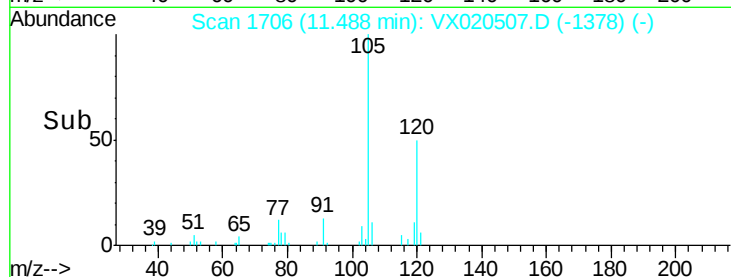
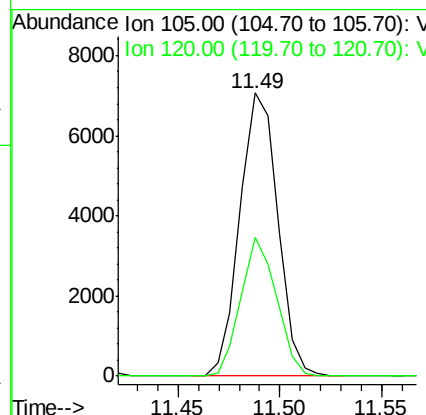
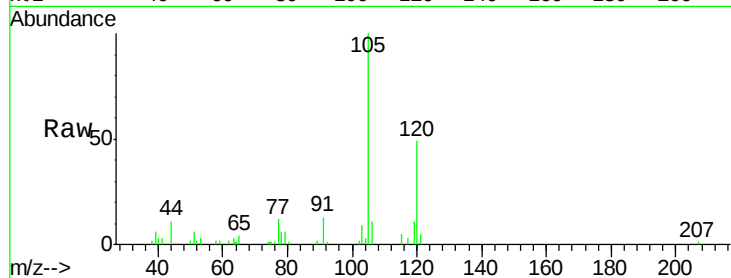




#62
 1,3,5-Trimethylbenzene
 Concen: 0.226 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

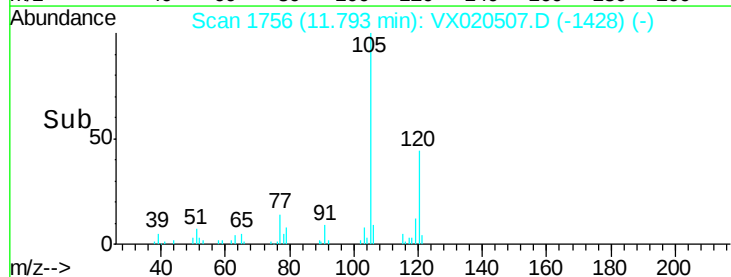
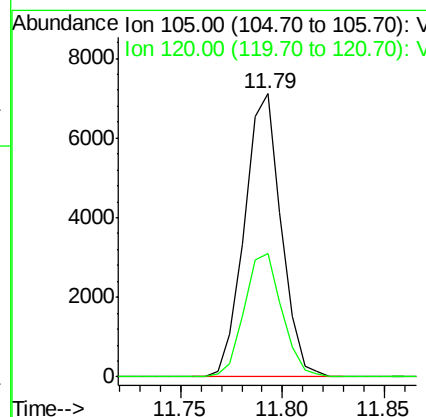
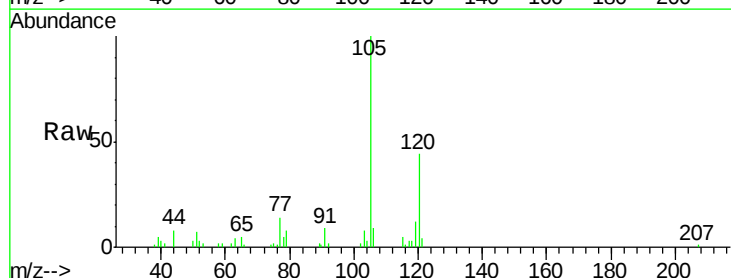
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

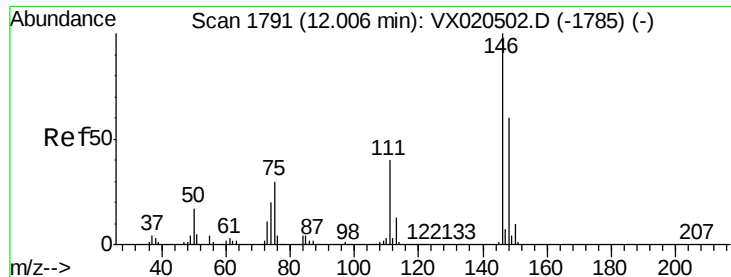
Tot Ion:105 Resp: 9129
 Ion Ratio Lower Upper
 105 100
 120 46.2 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 0.220 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion:105 Resp: 8871
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.5 54.7

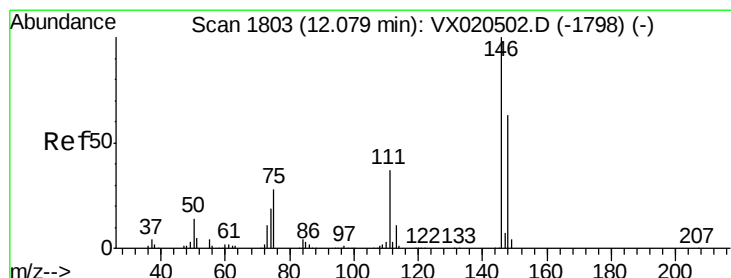
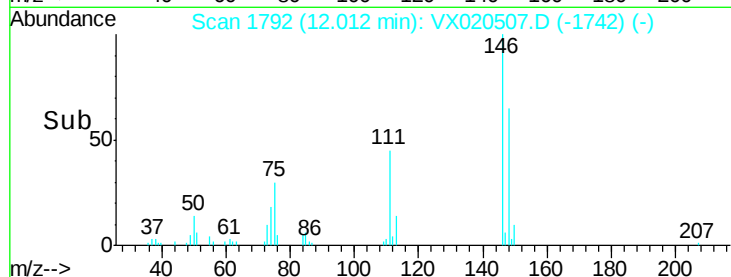
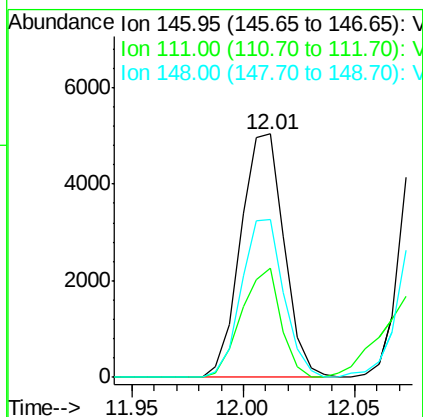
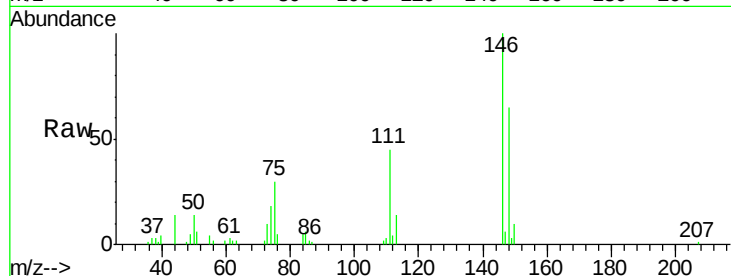




#64
 1,3-Dichlorobenzene
 Concen: 0.283 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

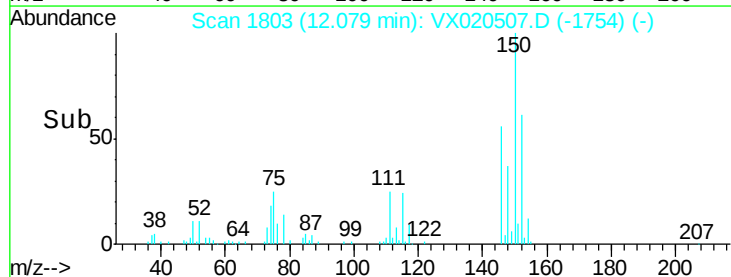
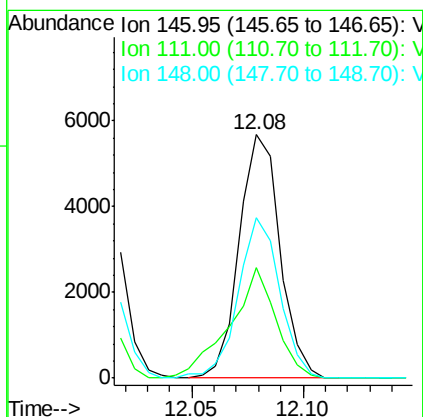
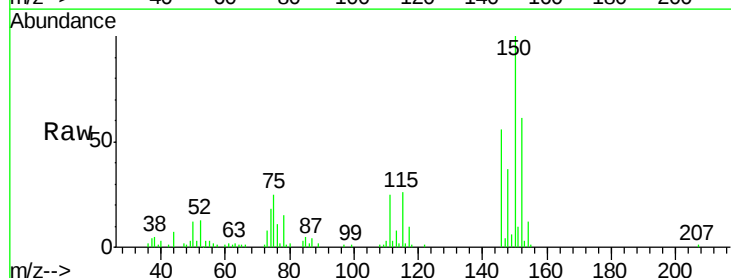
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

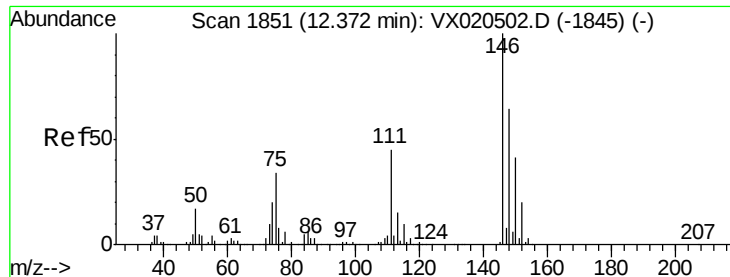
Tot Ion:146 Resp: 6849
 Ion Ratio Lower Upper
 146 100
 111 44.7 28.2 52.4
 148 65.0 41.7 77.5



#65
 1,4-Dichlorobenzene
 Concen: 0.297 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion:146 Resp: 7261
 Ion Ratio Lower Upper
 146 100
 111 45.3 26.2 48.8
 148 65.8 44.1 81.9

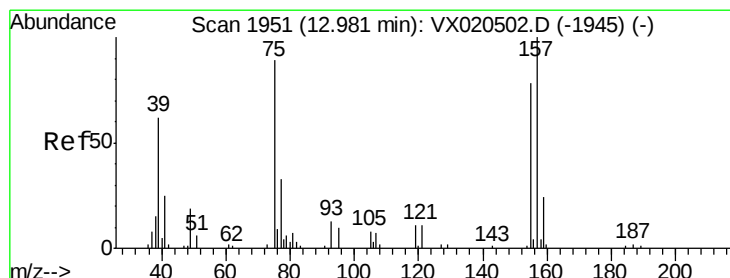
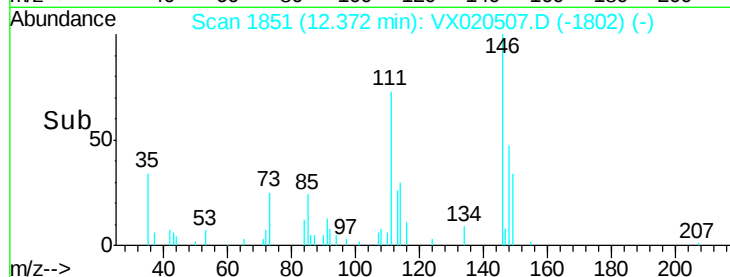
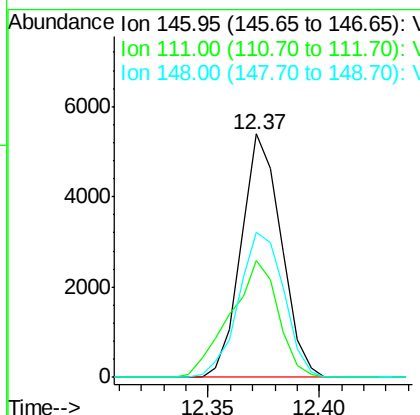
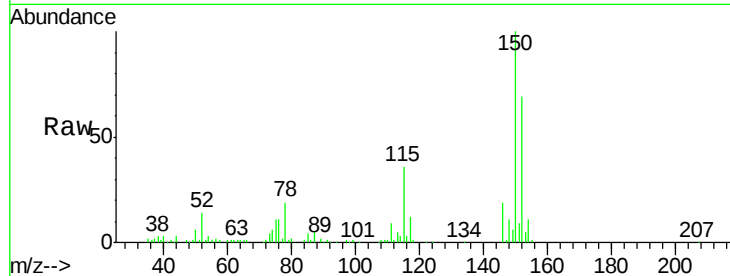




#67
 1,2-Dichlorobenzene
 Concen: 0.300 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

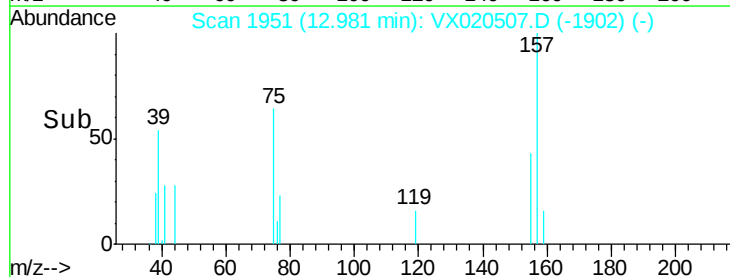
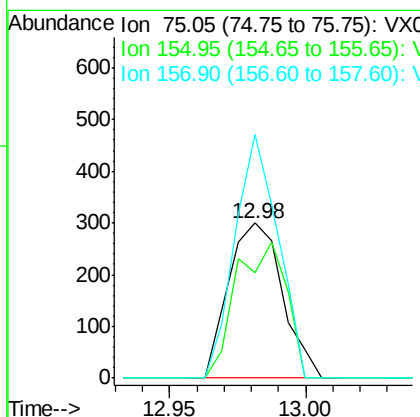
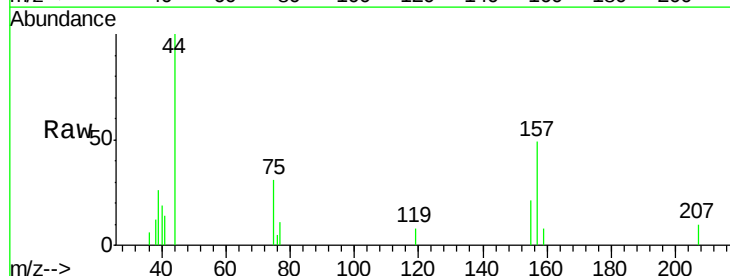
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

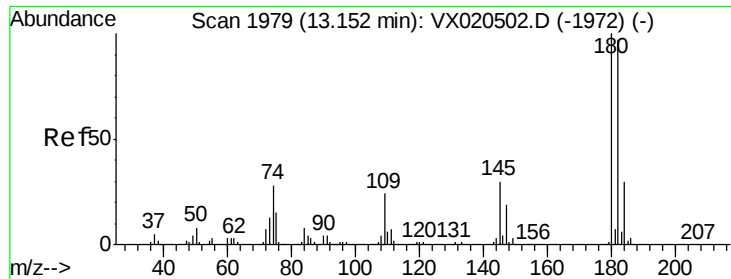
Tot Ion:146 Resp: 6760
 Ion Ratio Lower Upper
 146 100
 111 48.1 36.3 54.5
 148 59.6 51.5 77.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.275 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion: 75 Resp: 411
 Ion Ratio Lower Upper
 75 100
 155 68.0 69.8 104.8#
 157 157.0 90.0 135.0#

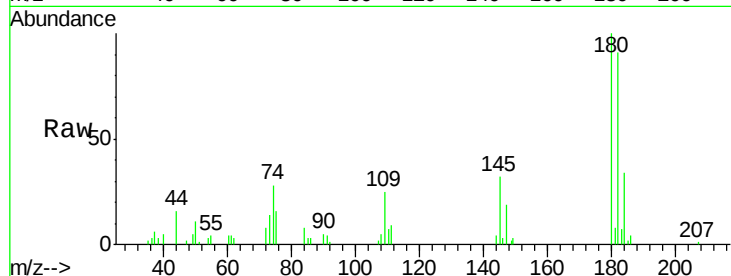




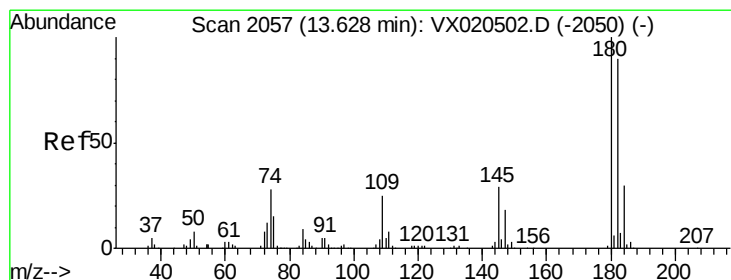
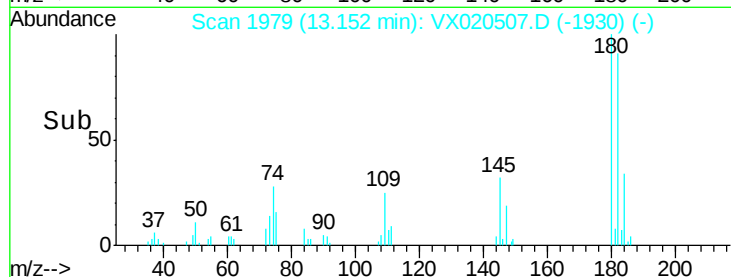
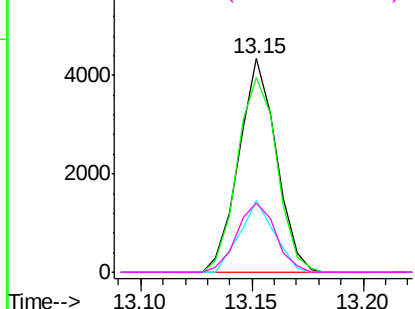
#69
 1,3,5-Trichlorobenzene
 Concen: 0.278 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2021-01

Tot Ion:	180	Resp:	5114
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
184	31.1	24.6	36.8
145	33.3	23.6	35.4

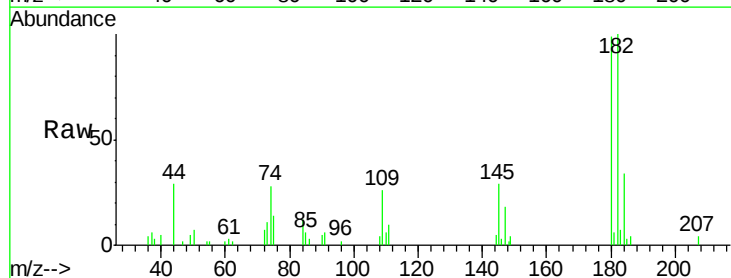


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

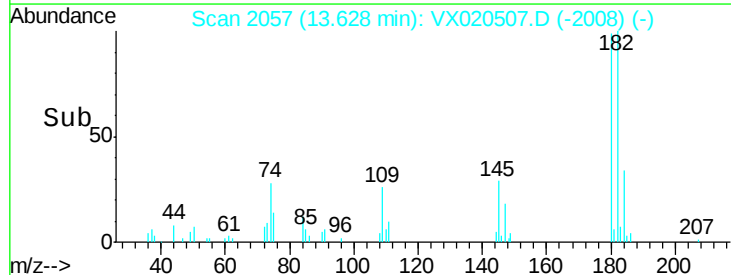
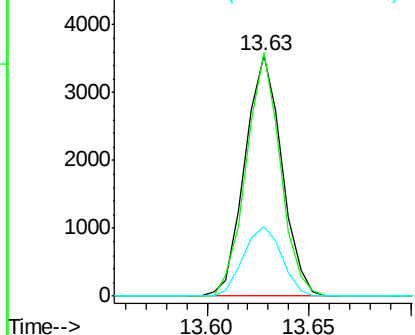


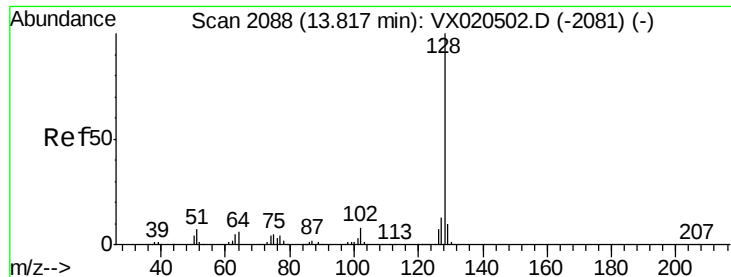
#70
 1,2,4-trichlorobenzene
 Concen: 0.304 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020507.D
 Acq: 05 Jan 2021 19:17

Tgt Ion:	180	Resp:	4450
Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.3	111.5
145	29.6	24.1	36.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 0.226 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2021-01

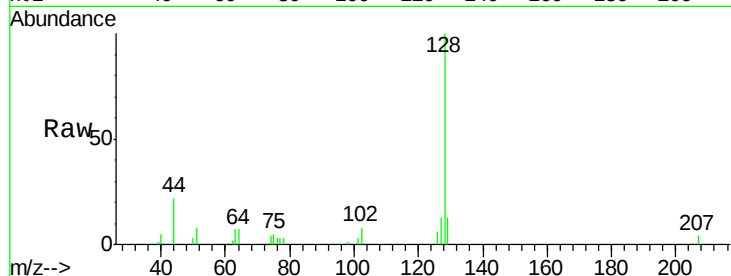
Tot Ion:128 Resp: 5424

Ion Ratio Lower Upper

128 100

129 11.5 8.4 12.6

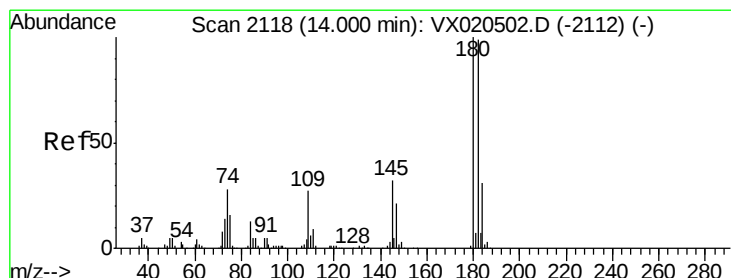
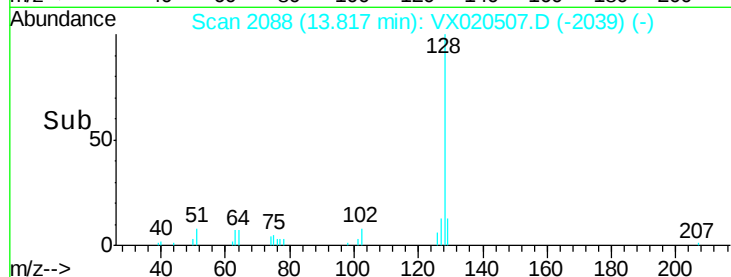
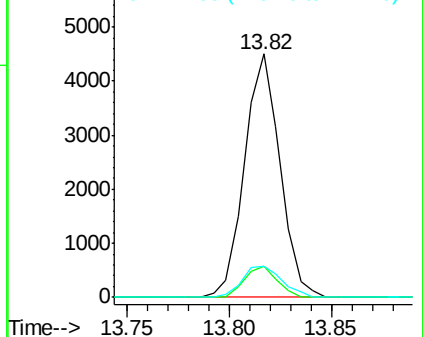
127 14.1 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 0.289 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX020507.D

Acq: 05 Jan 2021 19:17

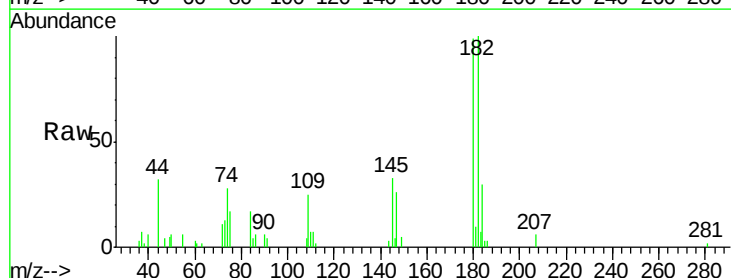
Tgt Ion:180 Resp: 3918

Ion Ratio Lower Upper

180 100

182 89.9 79.3 118.9

145 29.5 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

