

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010521\
 Data File : VX020508.D
 Acq On : 05 Jan 2021 20:04
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

Quant Time: Jan 06 04:57:59 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	164890	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	165187	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	86061	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61618	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.69	69	54134	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.34	63	126704	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	4.54	46	140201	48.78	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.56%
24) Chloroform-d	5.14	84	123951	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	6.03	65	60089	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	6.04	84	250769	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	7.37	67	74228	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	8.70	98	223796	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	8.99	79	26450	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	9.43	63	132596	52.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.50%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	54021	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
66) 1,2-Dichlorobenzene-d4	12.36	152	78820	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	89786	5.024	ug/L 99
3) Chloromethane	1.31	50	77142	4.950	ug/L 98
5) Vinyl chloride	1.39	62	84049	4.966	ug/L 100
6) Bromomethane	1.64	94	46720	5.115	ug/L 98
8) Chloroethane	1.72	64	50172	4.996	ug/L 99
9) Trichlorofluoromethane	1.92	101	109428	5.040	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	64827	5.191	ug/L 99
12) 1,1-Dichloroethene	2.36	96	62618	5.147	ug/L 100
13) Acetone	2.43	43	84640	50.841	ug/L 100
14) Carbon disulfide	2.55	76	204092	4.954	ug/L 99
15) Methyl Acetate	2.75	43	22832	4.858	ug/L 99
16) Methylene chloride	2.83	84	69977	4.630	ug/L 98
17) Methyl tert-butyl Ether	3.17	73	140273	5.057	ug/L 100
18) trans-1,2-Dichloroethene	3.14	96	67485	4.992	ug/L 99
19) 1,1-Dichloroethane	3.67	63	120288	5.006	ug/L 99
21) 2-Butanone	4.64	43	144501	50.863	ug/L 99
22) cis-1,2-Dichloroethene	4.56	96	71792	5.078	ug/L 99

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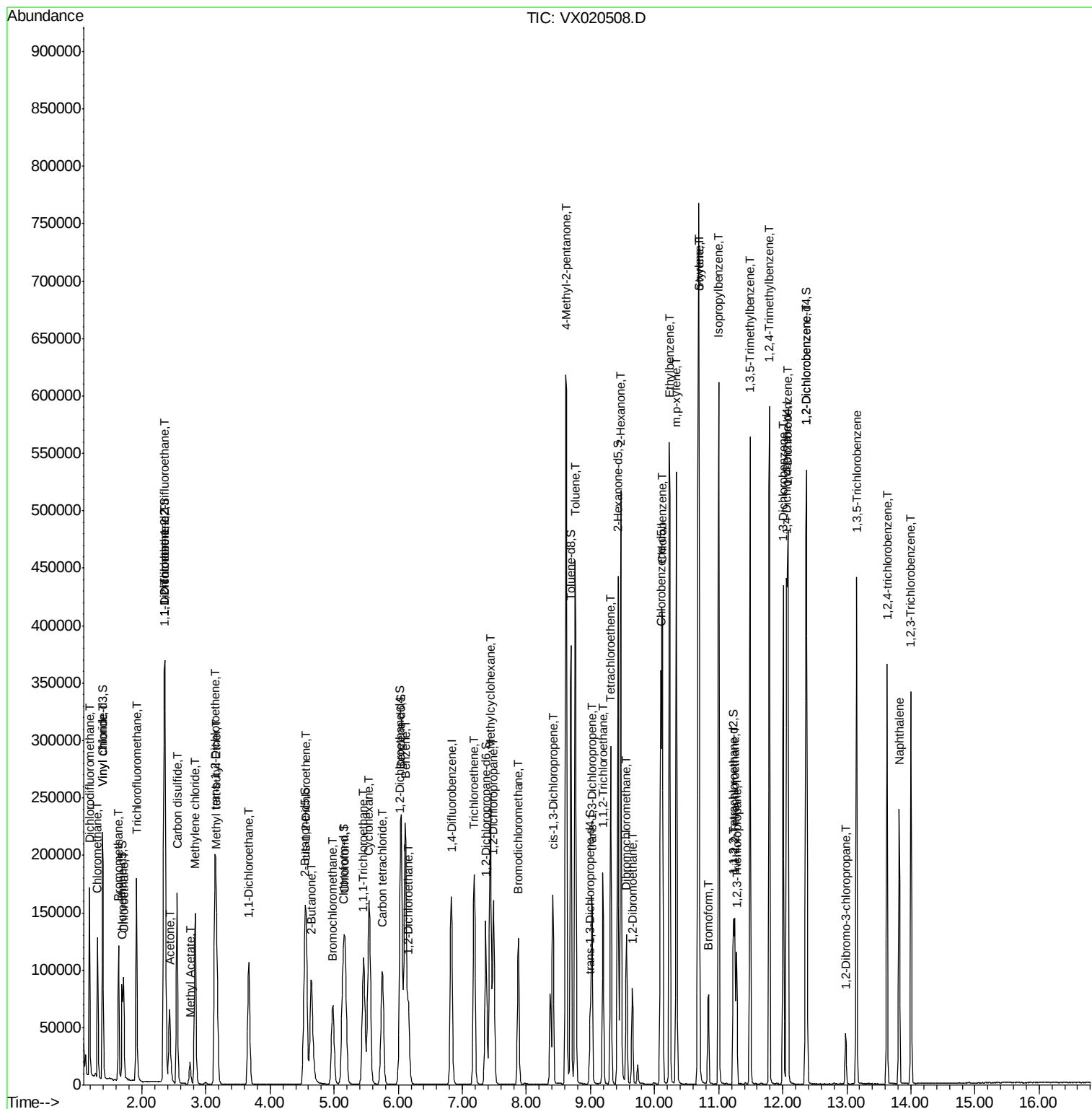
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	31547	5.027	ug/L	97
25) Chloroform	5.17	83	127155	5.021	ug/L	97
27) 1,2-Dichloroethane	6.16	62	74750	5.145	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	109344	4.994	ug/L	100
30) Cyclohexane	5.54	56	104530	5.050	ug/L	99
31) Carbon tetrachloride	5.76	117	92580	4.928	ug/L	100
33) Benzene	6.11	78	282576	5.009	ug/L	100
34) Trichloroethene	7.18	95	71507	4.895	ug/L	97
35) Methylcyclohexane	7.44	83	109160	4.951	ug/L	99
37) 1,2-Dichloropropane	7.49	63	68593	4.928	ug/L	99
38) Bromodichloromethane	7.87	83	83776	4.926	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	91703	4.861	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	350072	51.378	ug/L	99
42) Toluene	8.76	91	297034	5.060	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	79311	5.002	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	49349	5.025	ug/L	99
47) Tetrachloroethene	9.32	164	57576	4.859	ug/L	96
48) 2-Hexanone	9.47	43	260601	55.458	ug/L	99
49) Dibromochloromethane	9.56	129	56104	5.258	ug/L	99
50) 1,2-Dibromoethane	9.65	107	45592	5.176	ug/L	99
51) Chlorobenzene	10.12	112	186691	5.076	ug/L	100
52) Ethylbenzene	10.23	91	324263	5.309	ug/L	99
53) m,p-xylene	10.34	106	124227	5.350	ug/L	92
54) o-xylene	10.68	106	119381	5.397	ug/L	97
55) Styrene	10.70	104	200861	5.406	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	53697	4.904	ug/L	99
59) Bromoform	10.84	173	29295	4.930	ug/L	96
60) Isopropylbenzene	11.00	105	312397	5.243	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	39699	4.781	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	252016	5.249	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	259189	5.397	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	144598	5.022	ug/L	95
65) 1,4-Dichlorobenzene	12.08	146	145178	4.991	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	135021	5.033	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	8452	4.742	ug/L	90
69) 1,3,5-Trichlorobenzene	13.15	180	108662	4.965	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	83968	4.813	ug/L	96
71) Naphthalene	13.82	128	143099	4.997	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	81520	5.049	ug/L	95

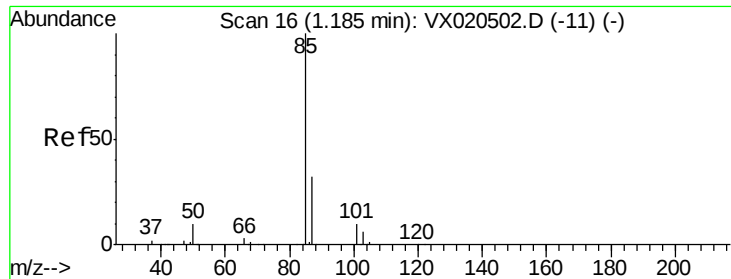
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.024 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

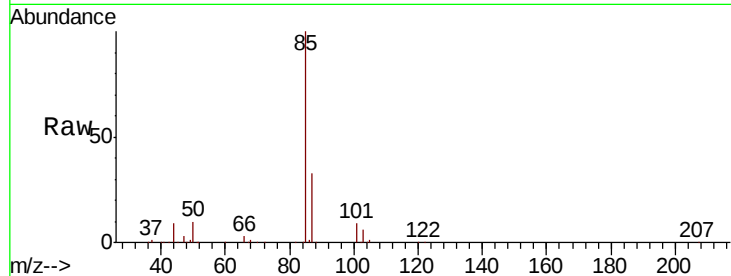
VSTD005309

Tot Ion: 85 Resp: 89786

Ion Ratio Lower Upper

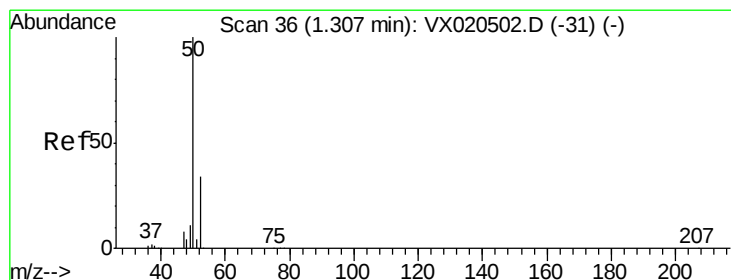
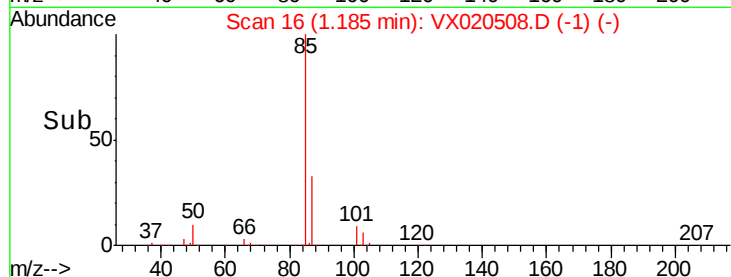
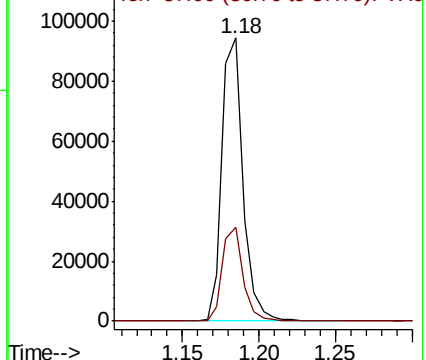
85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 4.950 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX020508.D

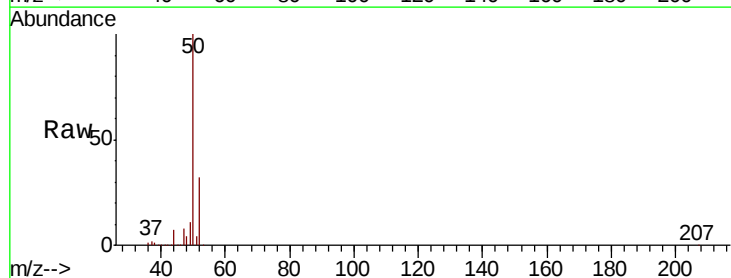
Acq: 05 Jan 2021 20:04

Tgt Ion: 50 Resp: 77142

Ion Ratio Lower Upper

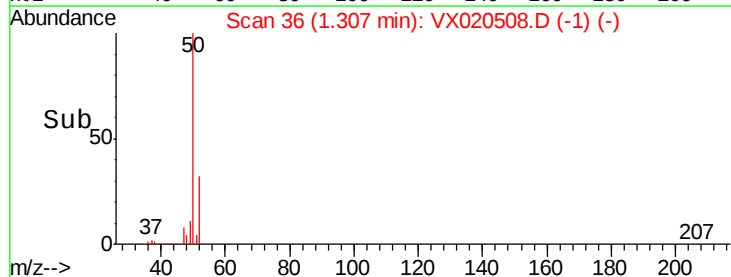
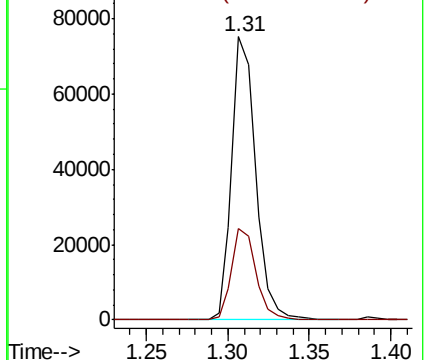
50 100

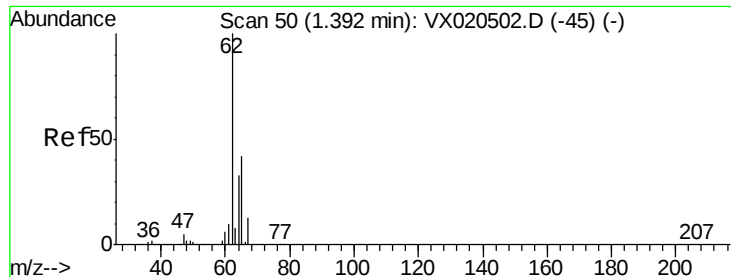
52 32.4 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 4.966 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

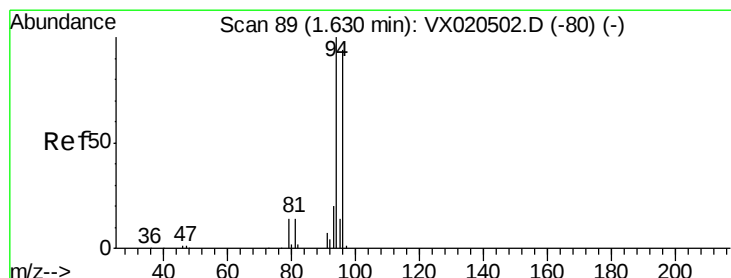
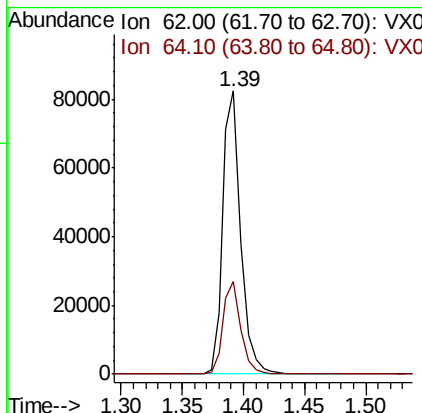
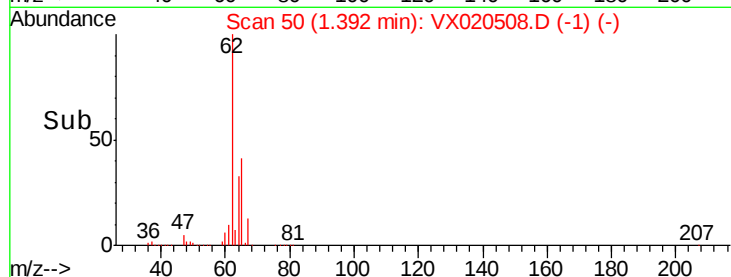
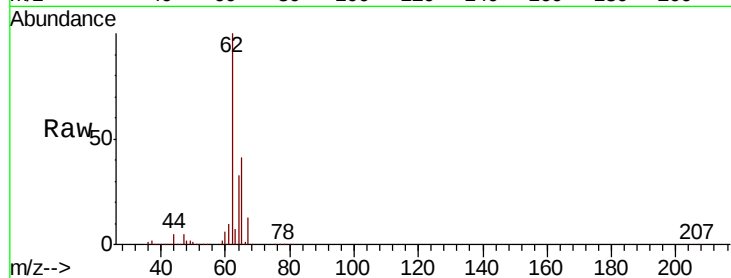
VSTD005309

Tot Ion: 62 Resp: 84049

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.2



#6

Bromomethane

Concen: 5.115 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020508.D

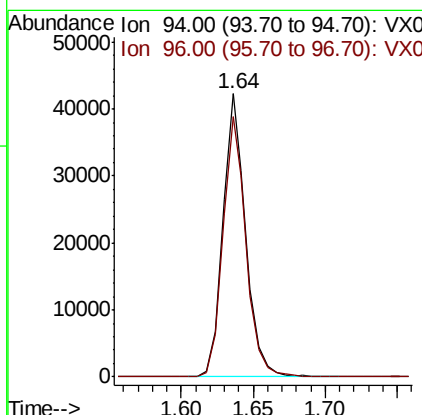
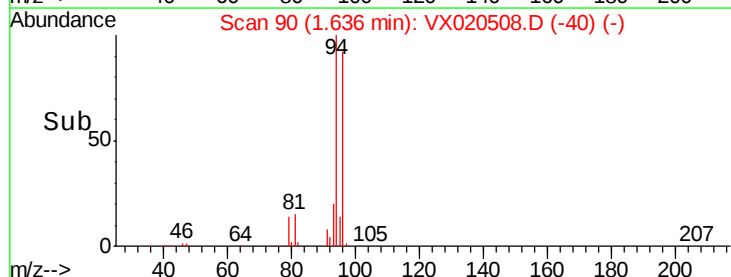
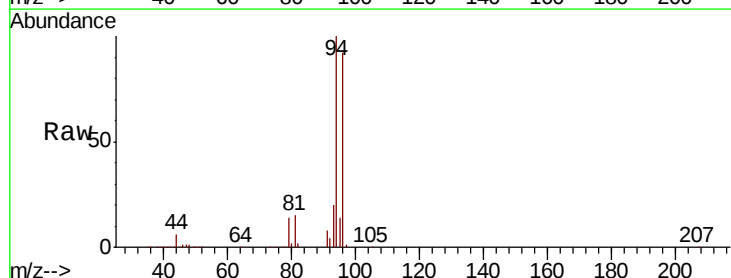
Acq: 05 Jan 2021 20:04

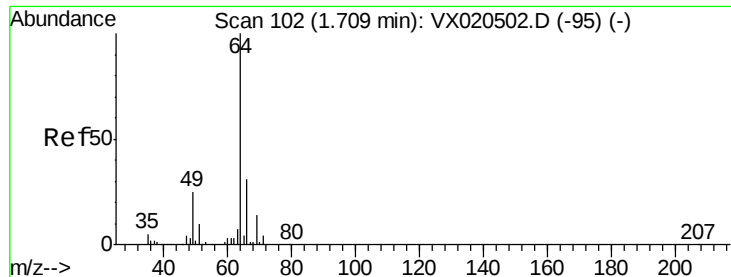
Tgt Ion: 94 Resp: 46720

Ion Ratio Lower Upper

94 100

96 91.8 65.7 121.9





#8

Chloroethane

Concen: 4.996 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

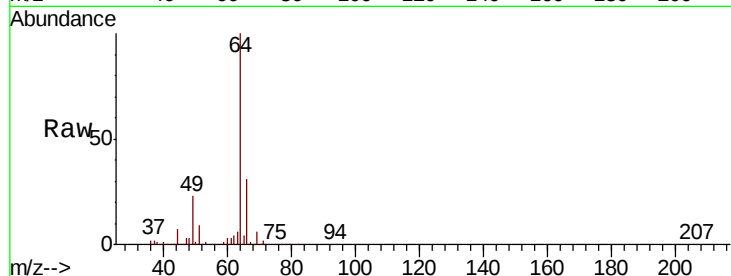
VSTD005309

Tot Ion: 64 Resp: 50172

Ion Ratio Lower Upper

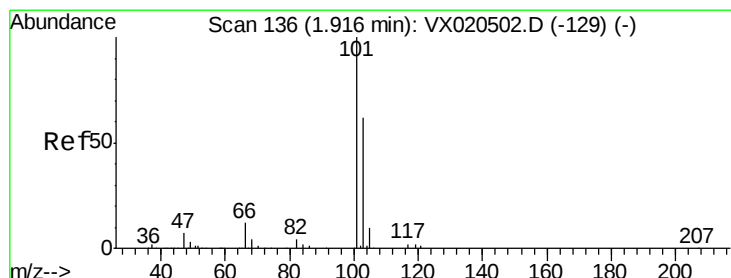
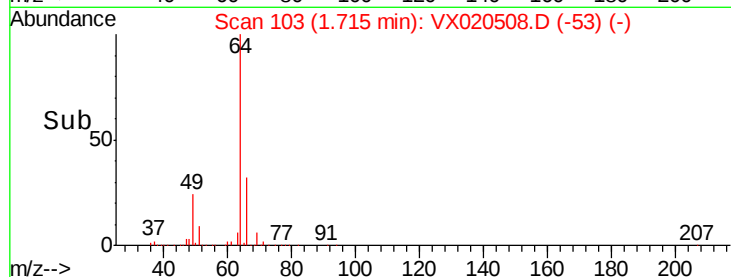
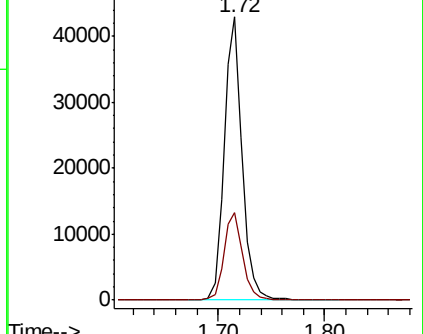
64 100

66 31.0 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: 5.040 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020508.D

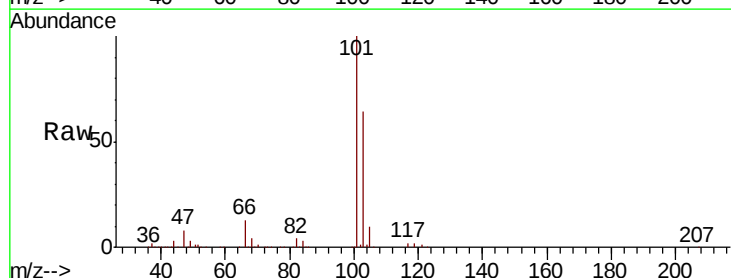
Acq: 05 Jan 2021 20:04

Tgt Ion:101 Resp: 109428

Ion Ratio Lower Upper

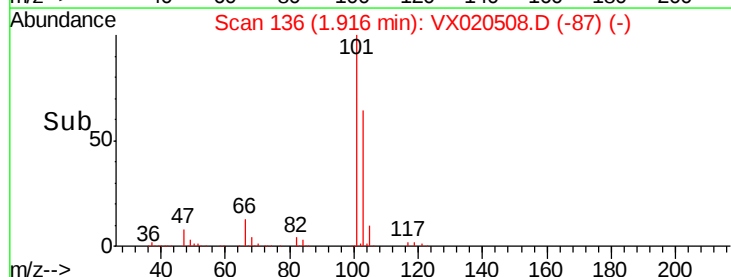
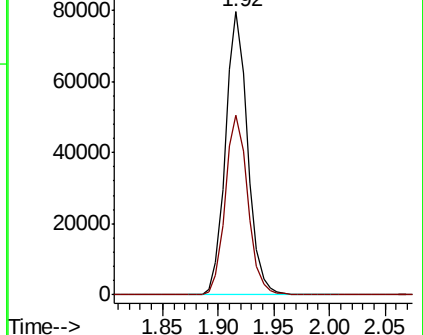
101 100

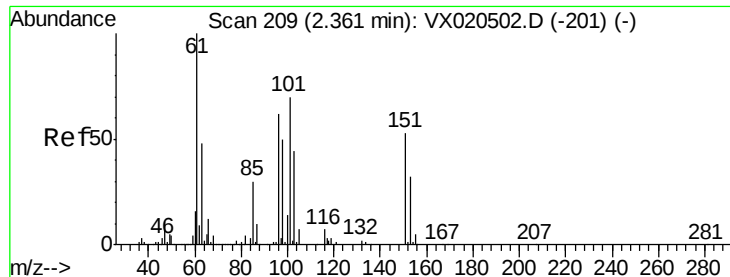
103 65.0 51.0 76.6



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: 5.191 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX020508.D

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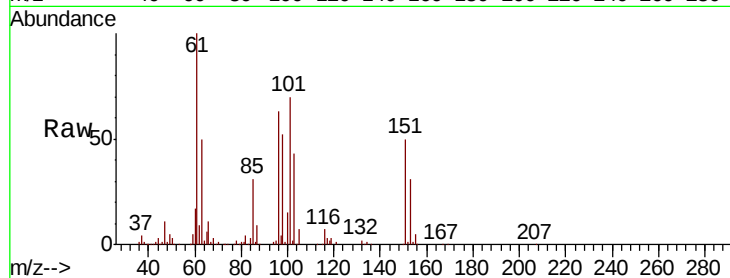
Tot Ion:101 Resp: 64827

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

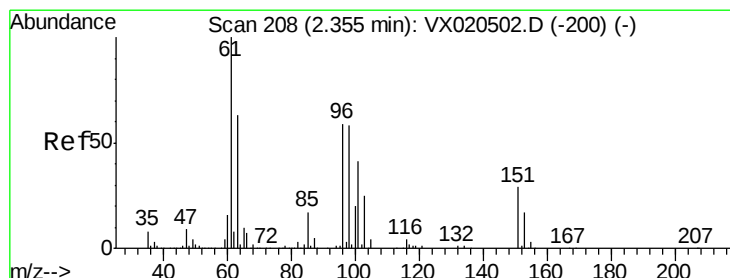
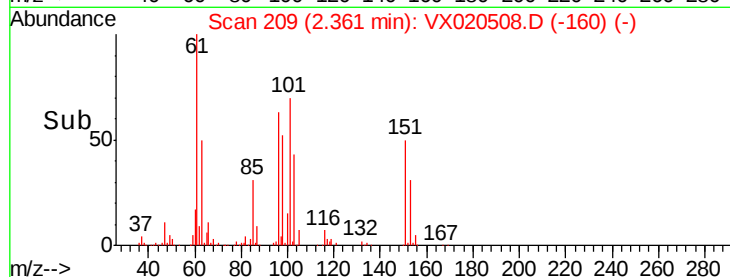
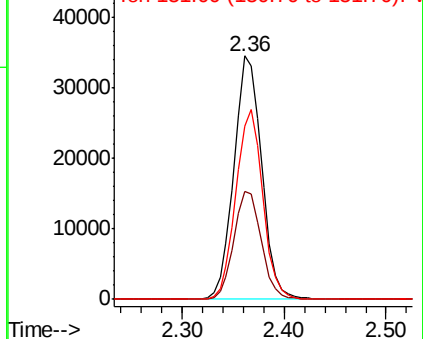
151 75.5 61.0 91.6



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: 5.147 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

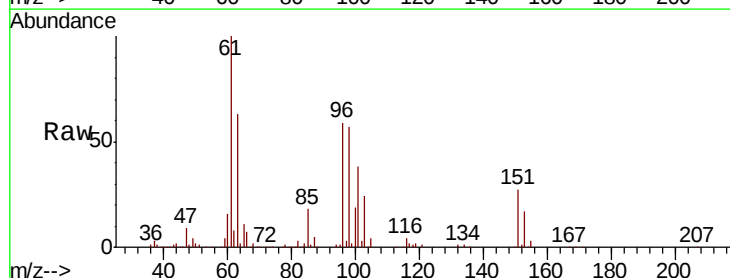
Tgt Ion: 96 Resp: 62618

Ion Ratio Lower Upper

96 100

61 169.3 118.2 219.6

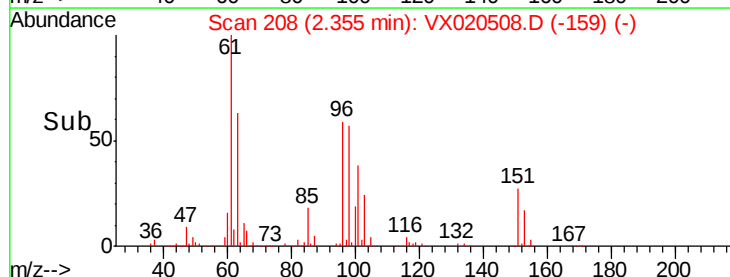
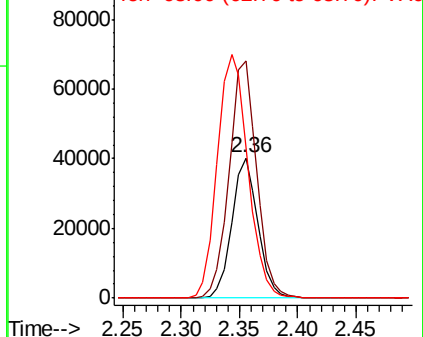
63 106.6 74.2 137.8

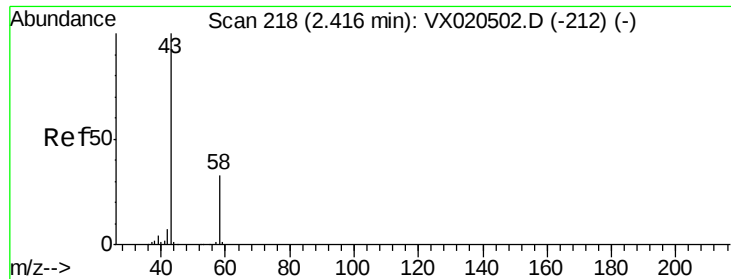


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 50.841 ug/L

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

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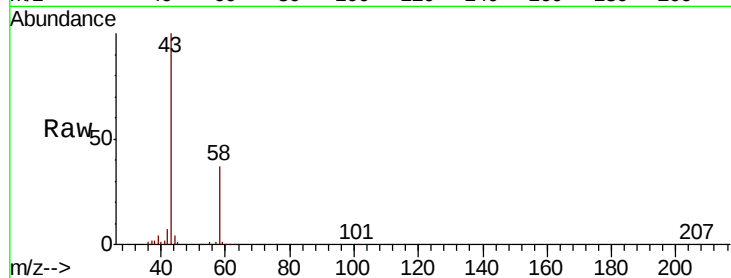
VSTD005309

Tot Ion: 43 Resp: 84640

Ion Ratio Lower Upper

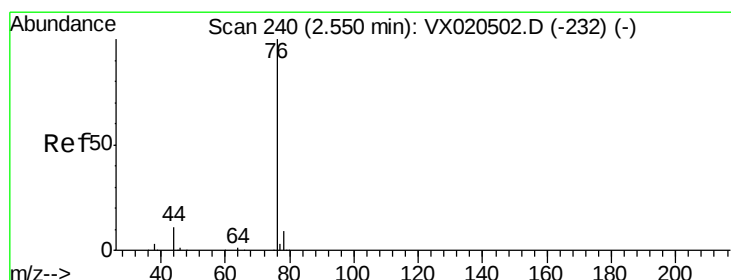
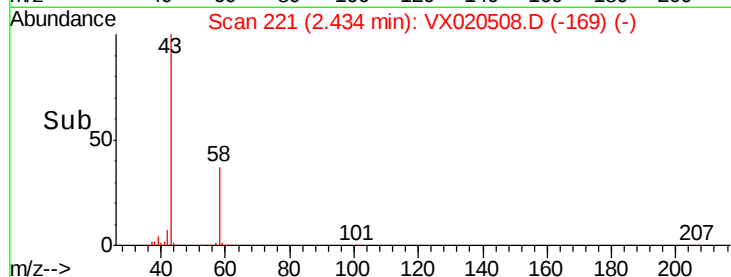
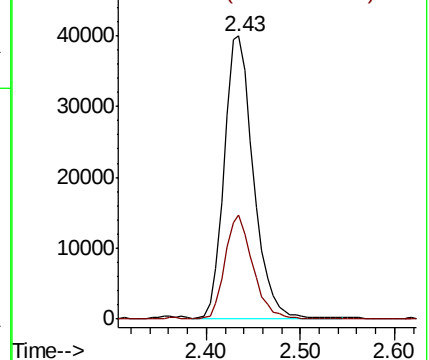
43 100

58 35.3 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: 4.954 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020508.D

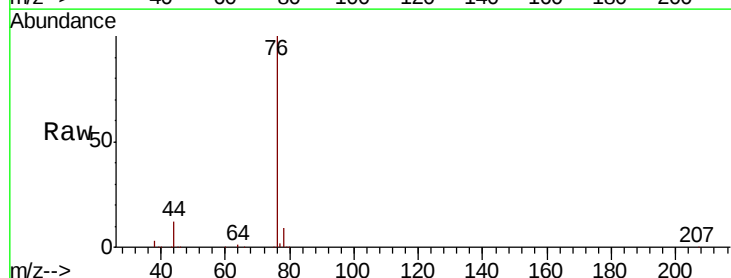
Acq: 05 Jan 2021 20:04

Tgt Ion: 76 Resp: 204092

Ion Ratio Lower Upper

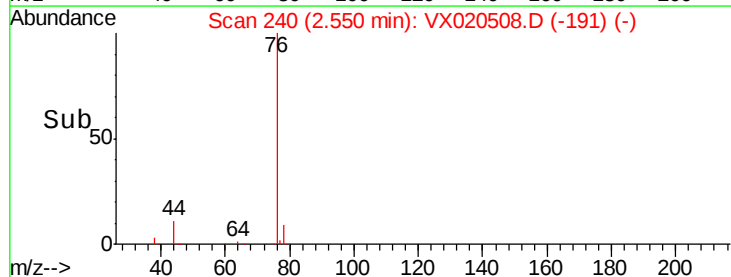
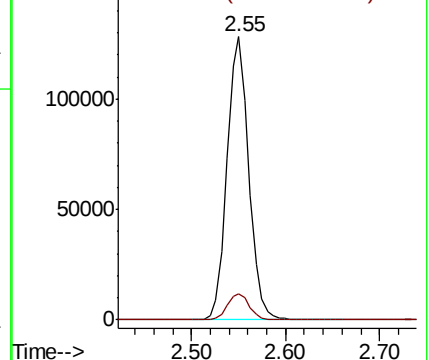
76 100

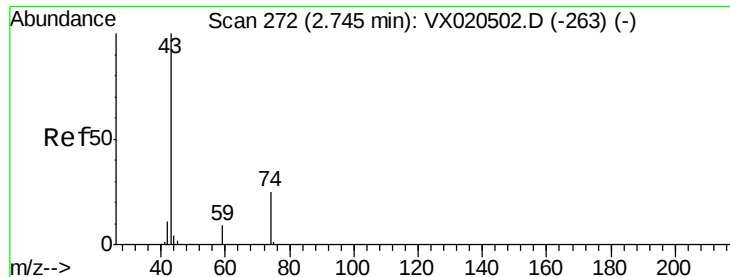
78 9.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

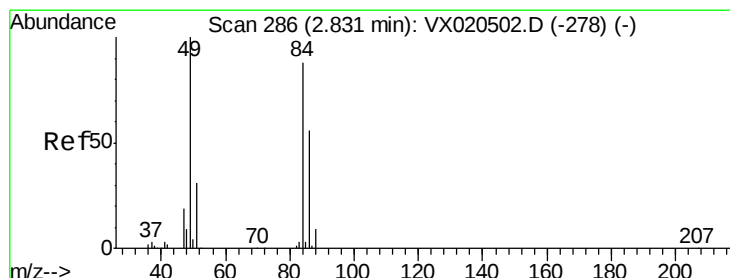
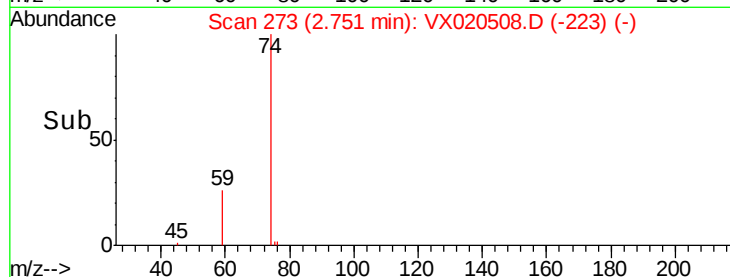
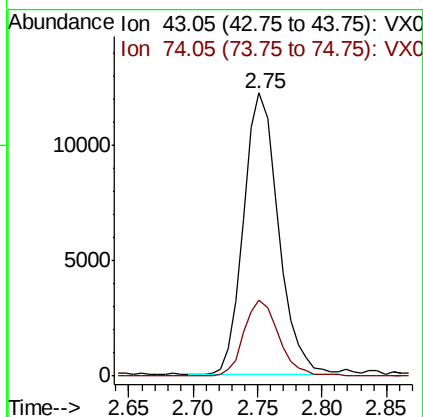
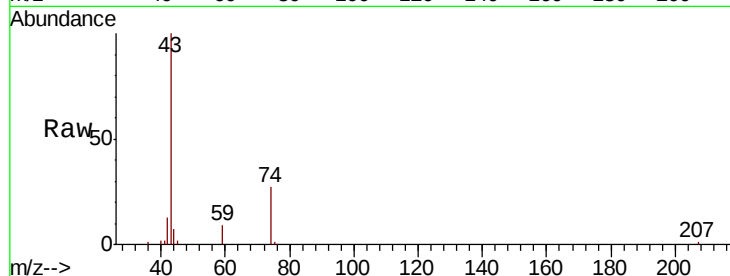




#15
Methyl Acetate
Concen: 4.858 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

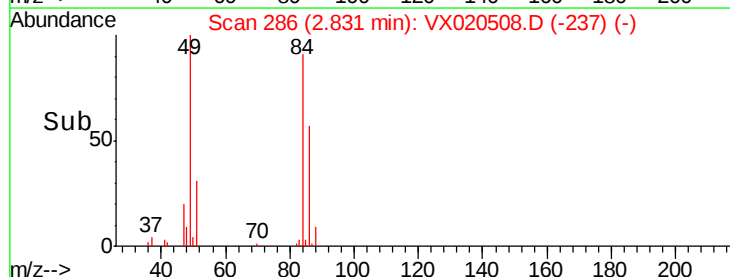
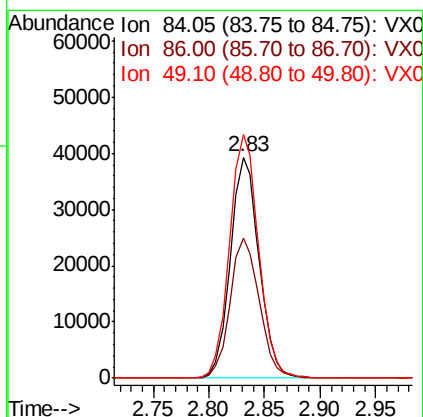
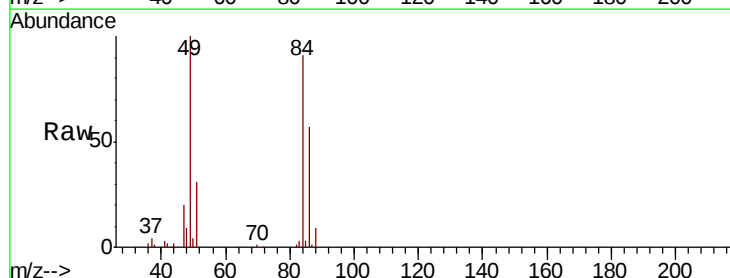
Instrument :
MSVOA_X
ClientSampled :
VSTD005309

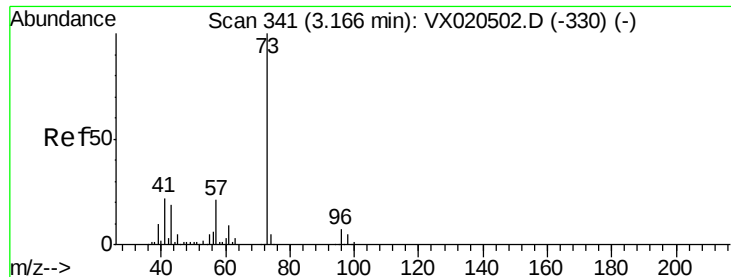
Tot Ion: 43 Resp: 22832
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7



#16
Methylene chloride
Concen: 4.630 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Tgt Ion: 84 Resp: 69977
Ion Ratio Lower Upper
84 100
86 63.2 44.6 82.8
49 110.4 79.5 147.6



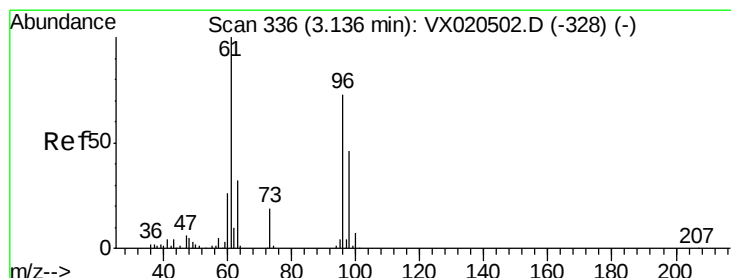
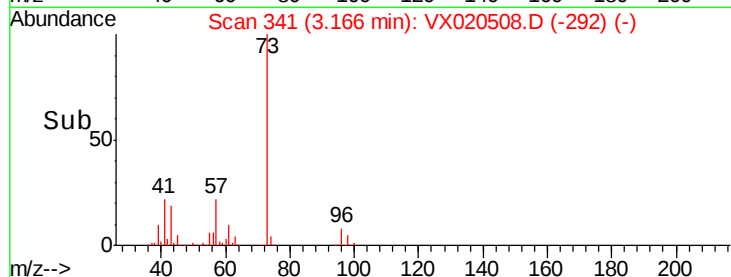
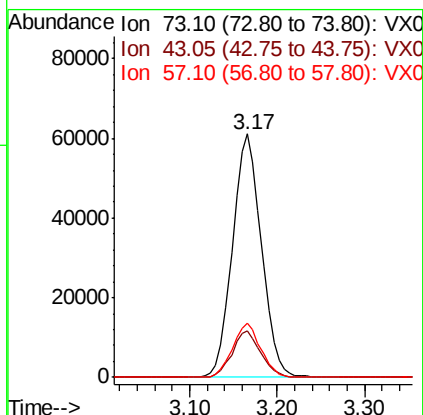
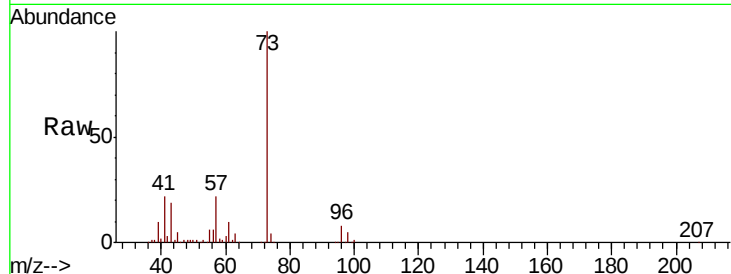


#17

Methyl tert-butyl Ether
 Concen: 5.057 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTD005309

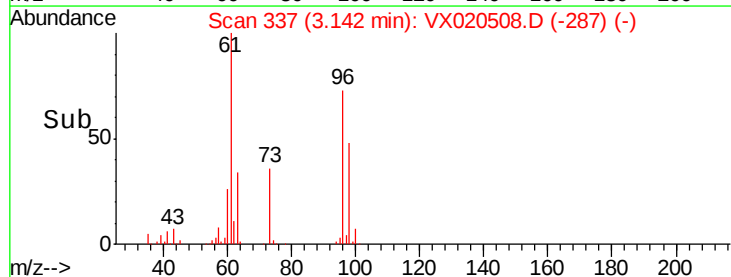
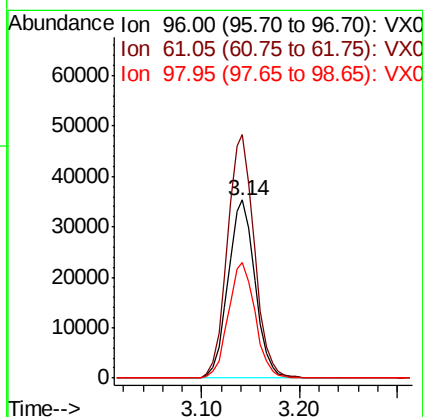
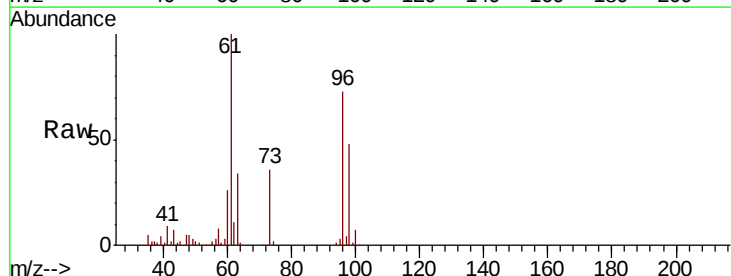
Tot Ion	73	Resp	140273
Ion Ratio	Lower	Upper	
73	100		
43	18.9	15.1	22.7
57	21.8	17.4	26.2

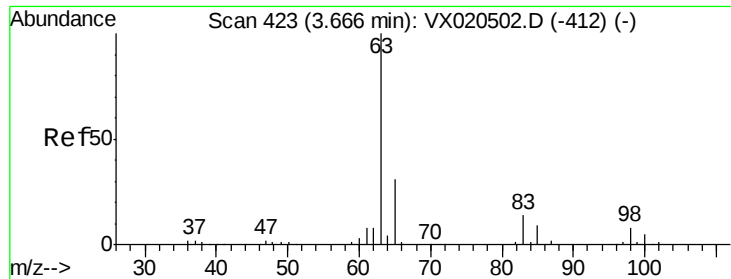


#18

trans-1,2-Dichloroethene
 Concen: 4.992 ug/L
 RT: 3.14 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion	96	Resp	67485
Ion Ratio	Lower	Upper	
96	100		
61	136.9	95.4	177.2
98	65.3	44.2	82.2

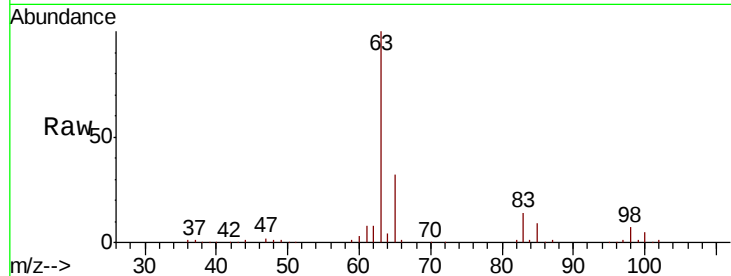




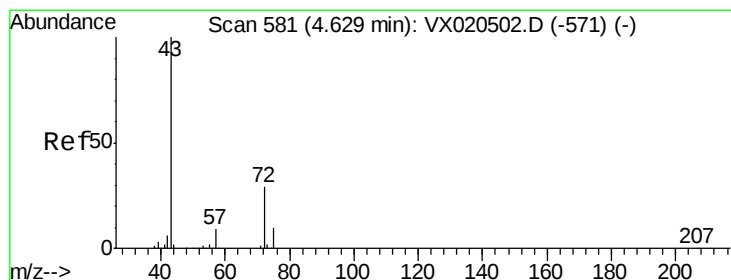
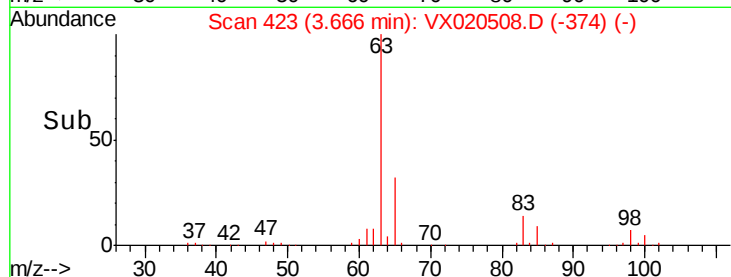
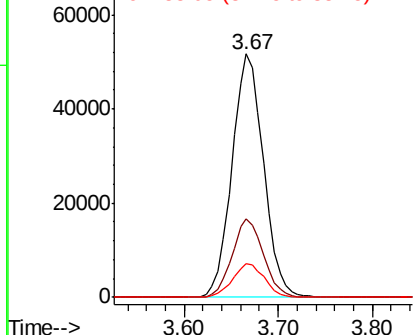
#19
 1,1-Dichloroethane
 Concen: 5.006 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

Tot Ion: 63 Resp: 120288
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.8 40.6
 83 13.7 9.6 17.8

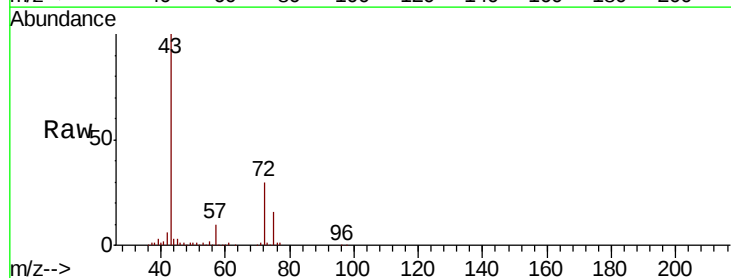


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

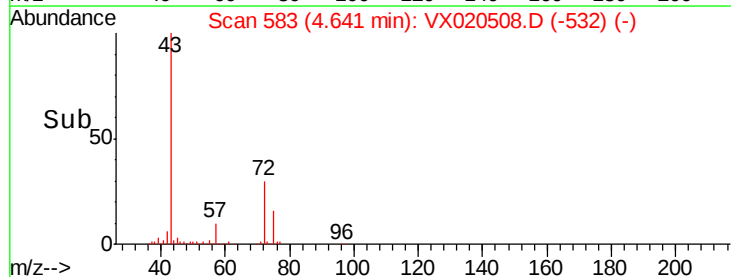
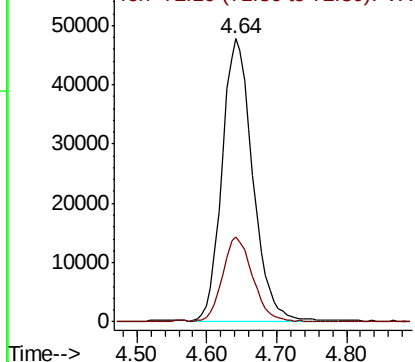


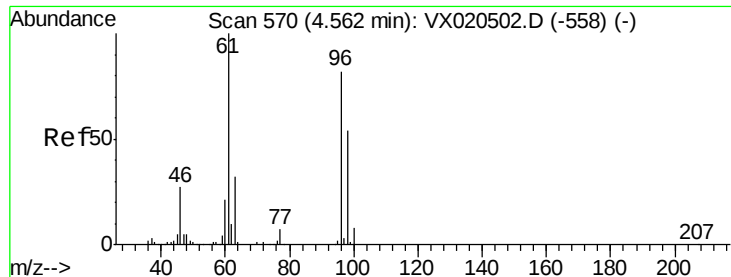
#21
 2-Butanone
 Concen: 50.863 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion: 43 Resp: 144501
 Ion Ratio Lower Upper
 43 100
 72 30.1 14.8 44.4



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



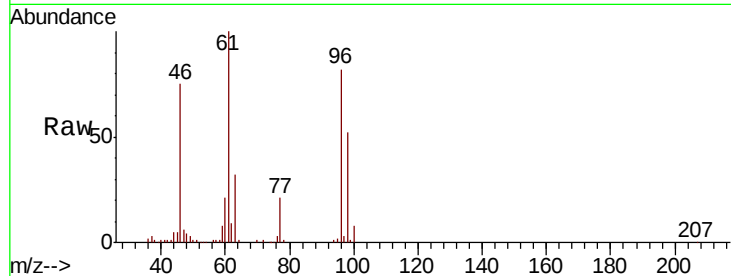


#22

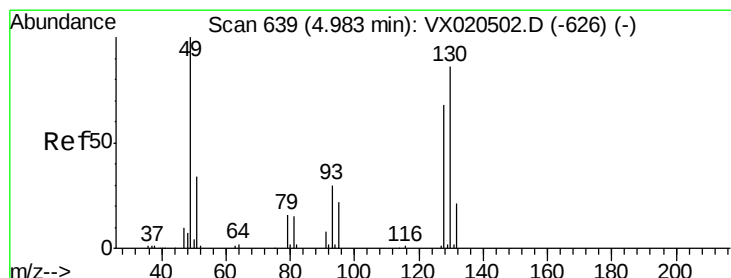
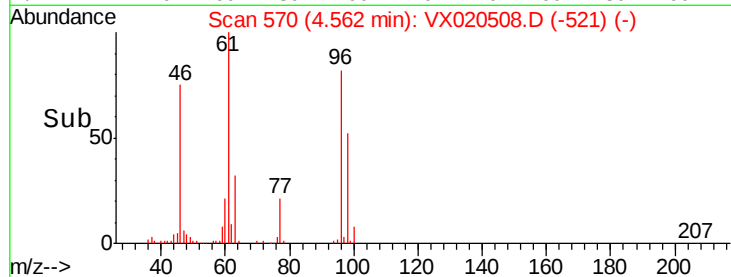
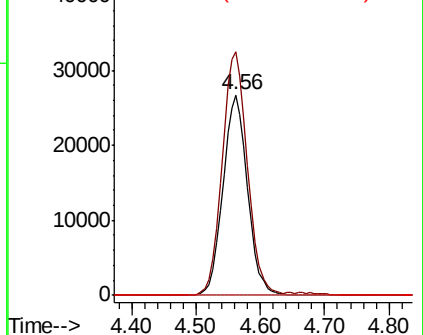
cis-1,2-Dichloroethene
Concen: 5.078 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

Tot Ion: 96 Resp: 71792
Ion Ratio Lower Upper
96 100
61 121.4 85.9 159.5
68 0.0 0.0 0.0



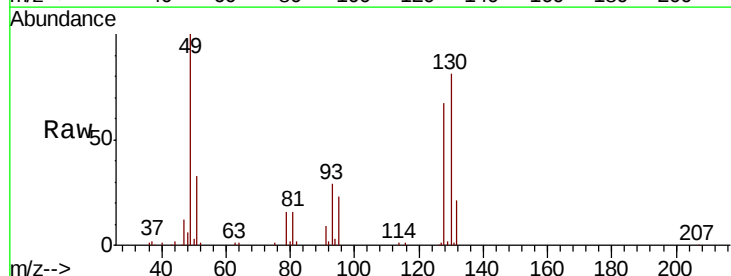
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



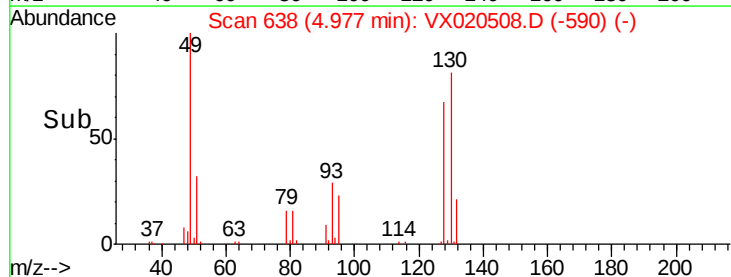
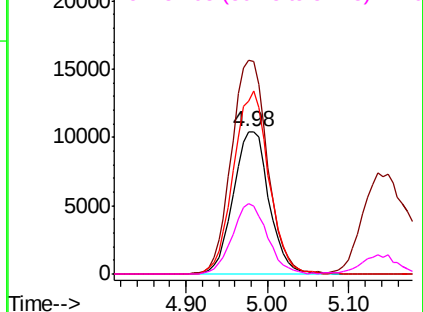
#23

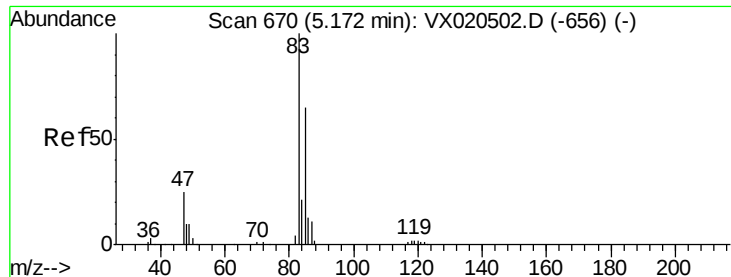
Bromochloromethane
Concen: 5.027 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Tgt Ion: 128 Resp: 31547
Ion Ratio Lower Upper
128 100
49 149.9 103.2 191.6
130 121.3 89.1 165.5
51 49.1 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: 5.021 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

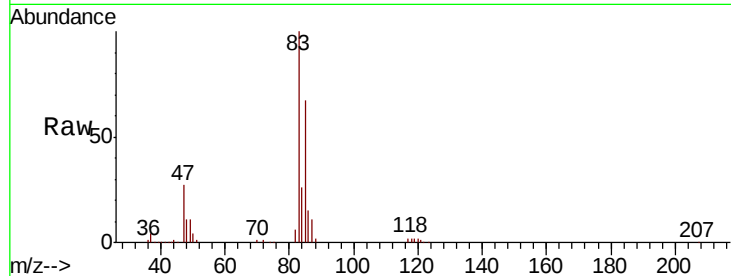
VSTD005309

Tot Ion: 83 Resp: 127155

Ion Ratio Lower Upper

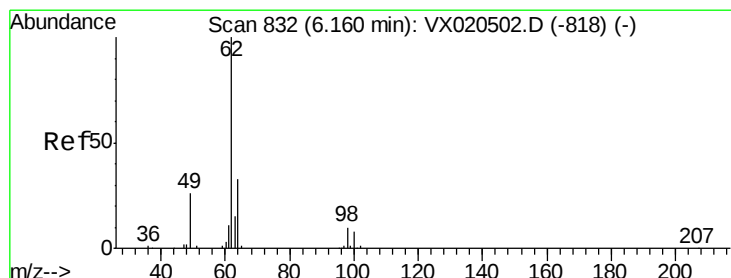
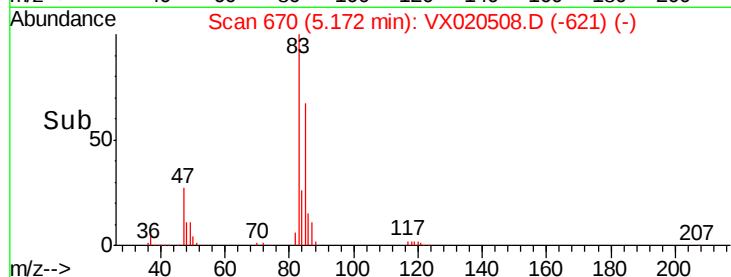
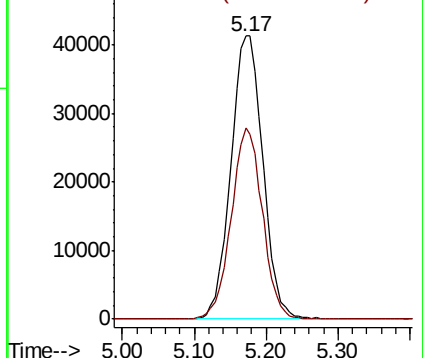
83 100

85 67.5 45.6 84.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 5.145 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX020508.D

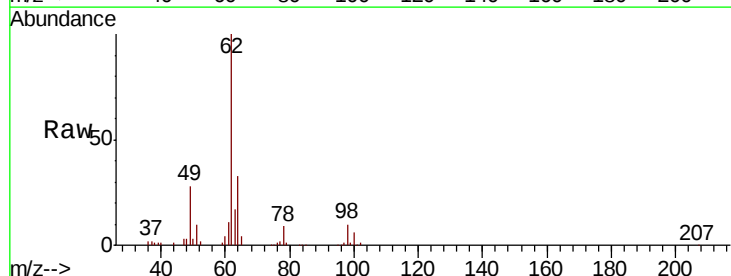
Acq: 05 Jan 2021 20:04

Tgt Ion: 62 Resp: 74750

Ion Ratio Lower Upper

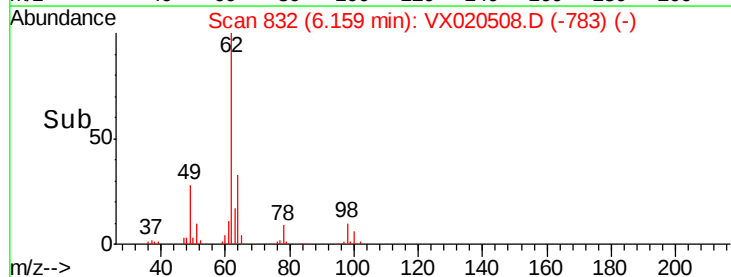
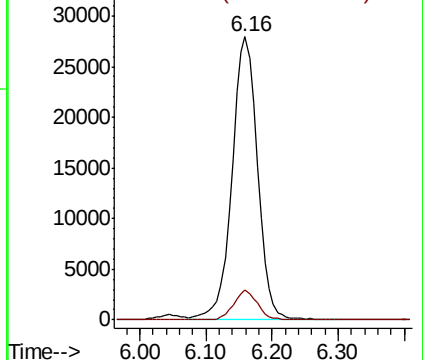
62 100

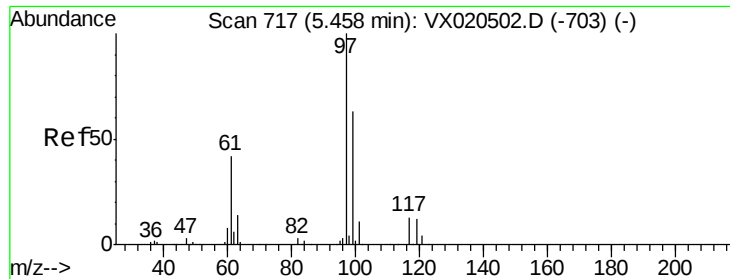
98 10.4 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

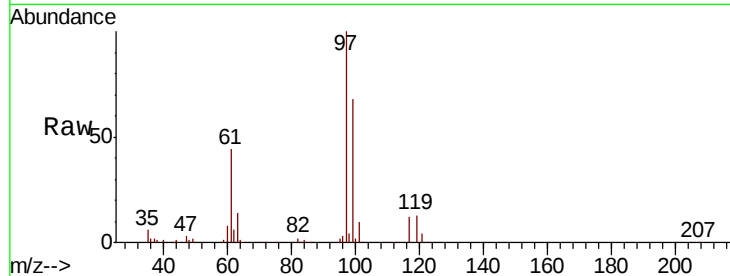




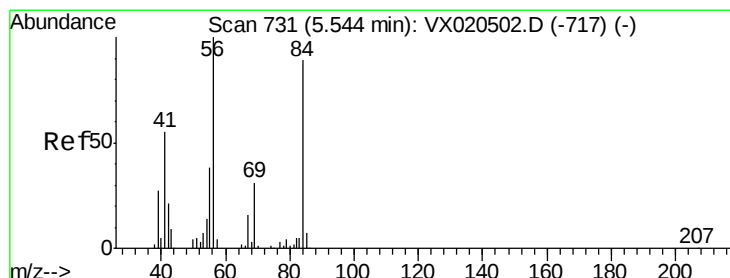
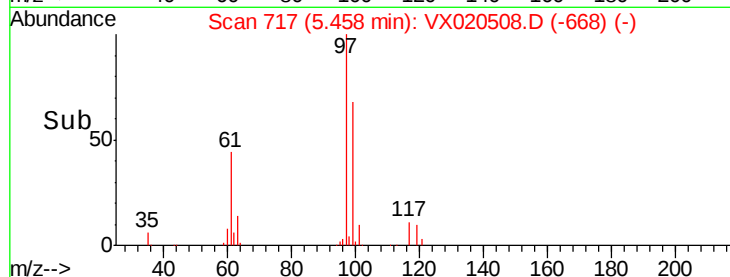
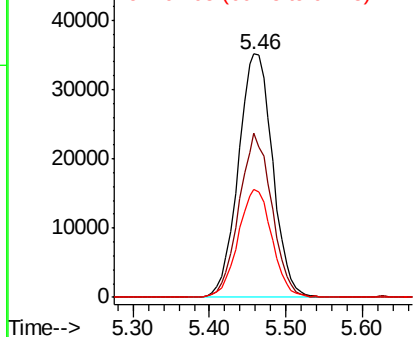
#29
 1,1,1-Trichloroethane
 Concen: 4.994 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	44.0	35.3	52.9

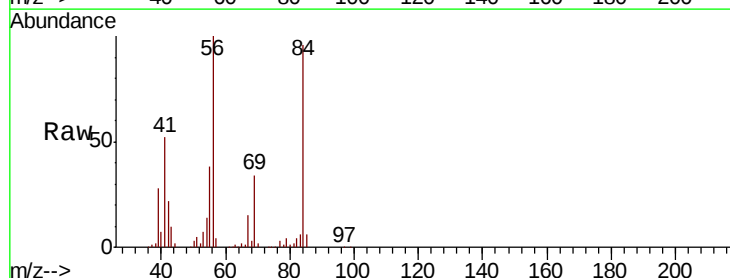


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

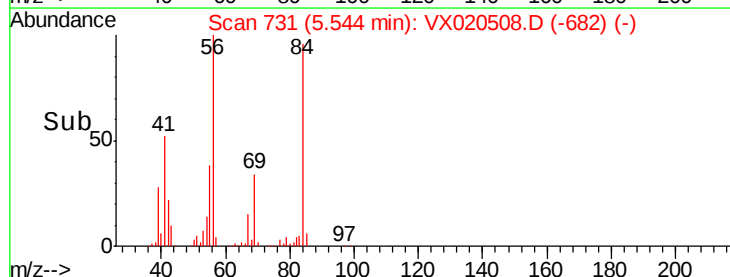
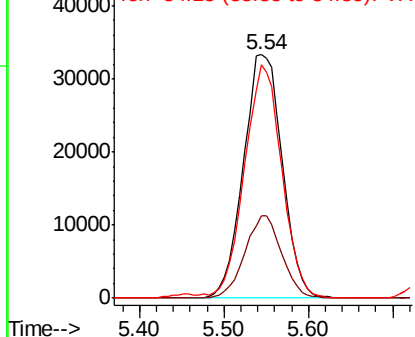


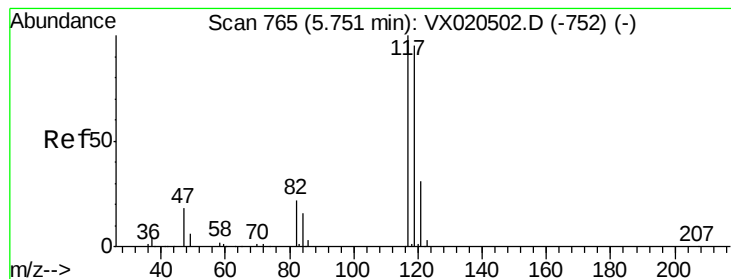
#30
 Cyclohexane
 Concen: 5.050 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.8	38.6
84	92.3	72.4	108.6



Abundance Ion 56.10 (55.80 to 56.80): VX0
 Ion 69.15 (68.85 to 69.85): VX0
 Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 4.928 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

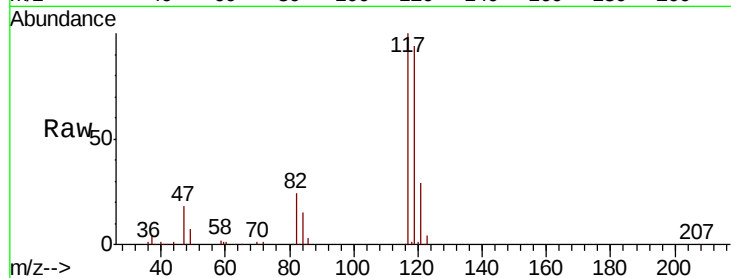
VSTD005309

Tot Ion:117 Resp: 92580

Ion Ratio Lower Upper

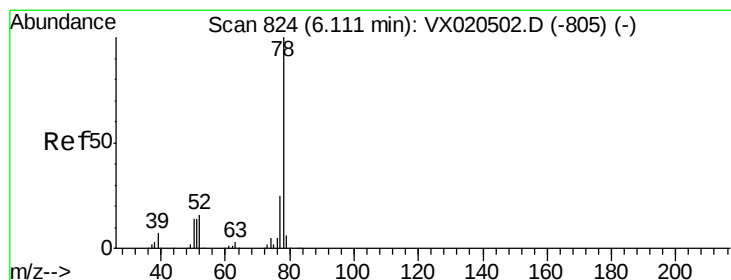
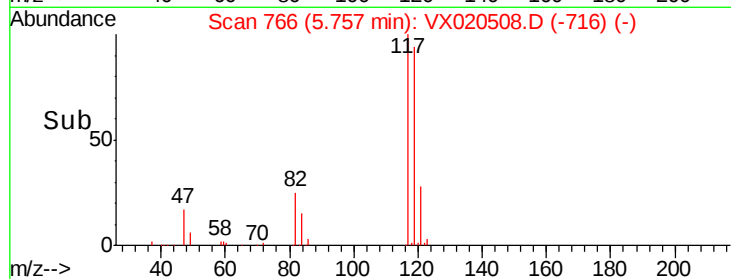
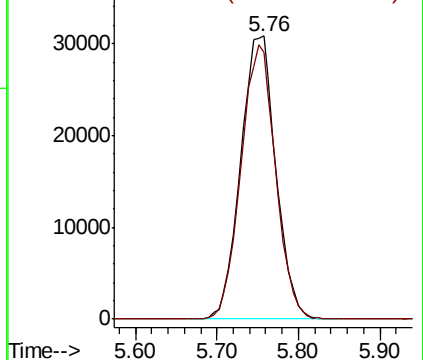
117 100

119 94.9 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: 5.009 ug/L

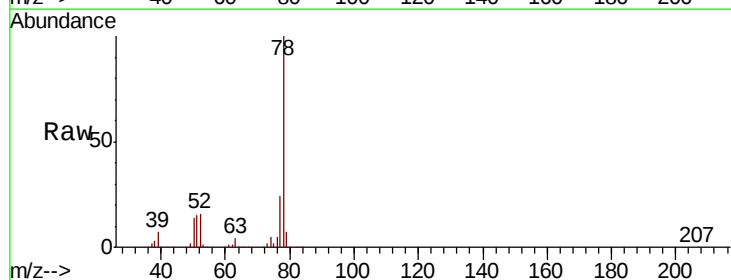
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

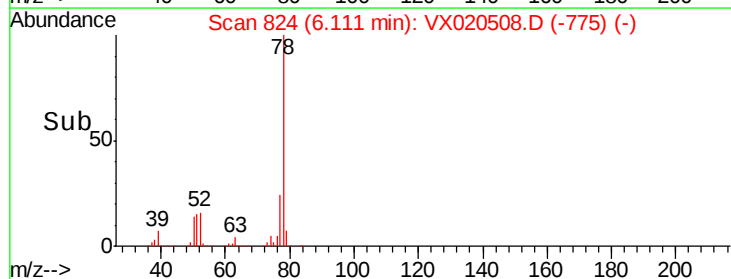
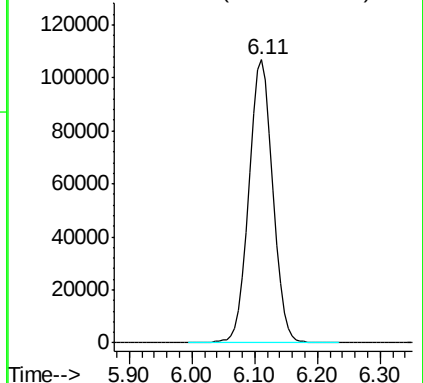
Lab File: VX020508.D

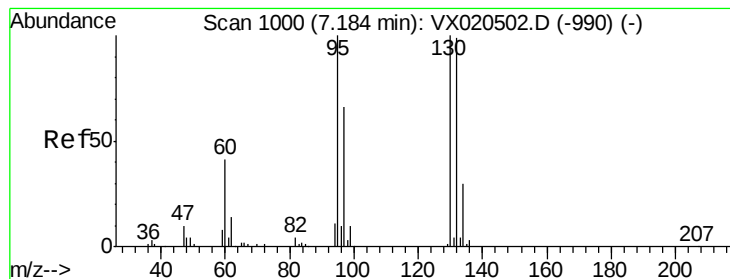
Acq: 05 Jan 2021 20:04

Tgt Ion: 78 Resp: 282576



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 4.895 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampled :

VSTD005309

Tot Ion: 95 Resp: 71507

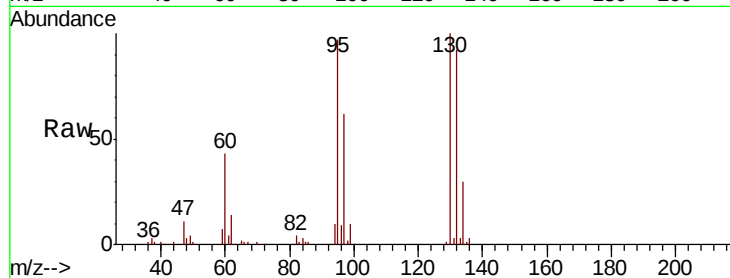
Ion Ratio Lower Upper

95 100

97 64.2 46.0 85.4

132 94.6 69.0 128.1

130 103.3 69.7 129.4

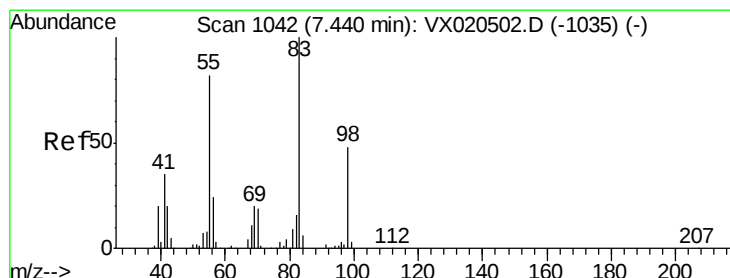
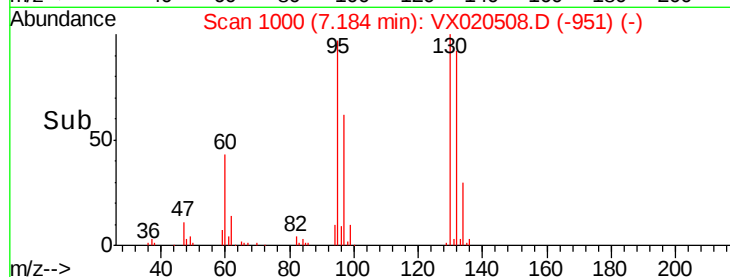
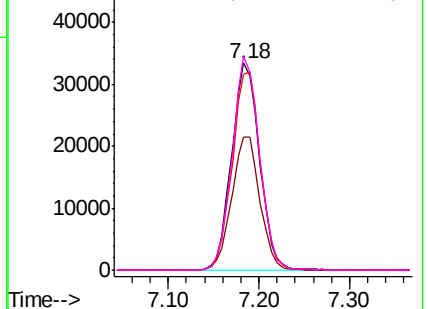


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 4.951 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

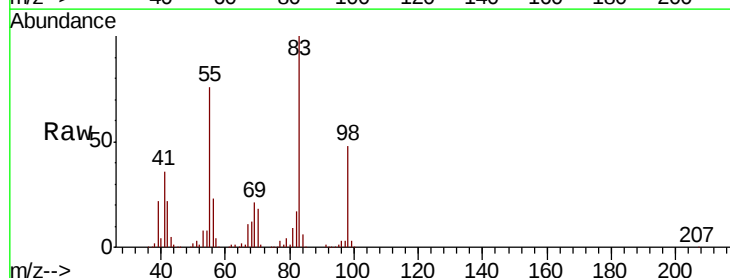
Tgt Ion: 83 Resp: 109160

Ion Ratio Lower Upper

83 100

55 77.5 63.4 95.0

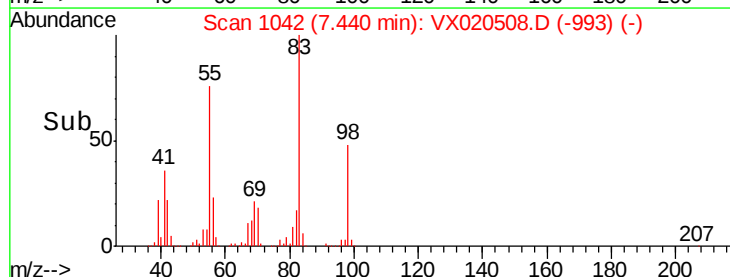
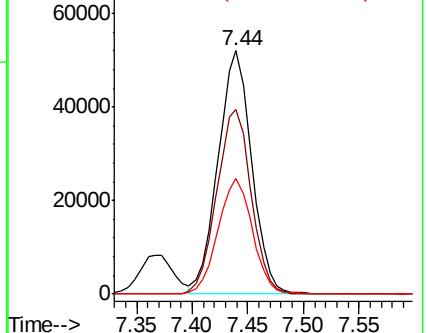
98 48.6 39.2 58.8

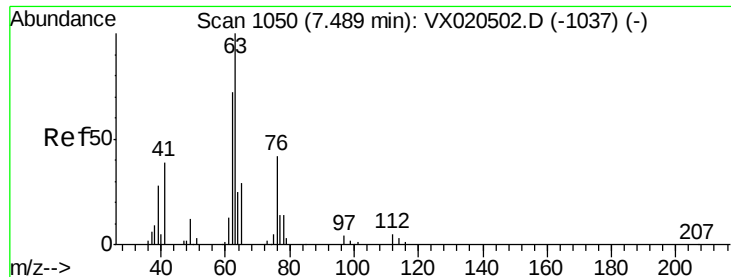


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 4.928 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

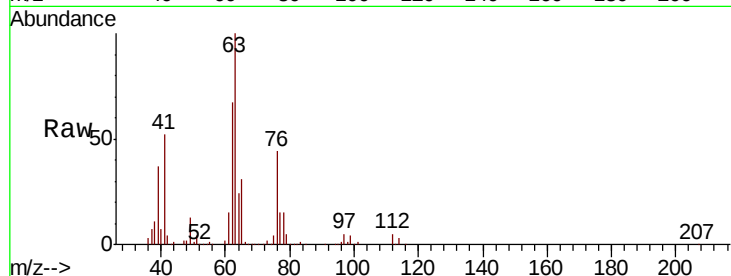
VSTD005309

Tot Ion: 63 Resp: 68593

Ion Ratio Lower Upper

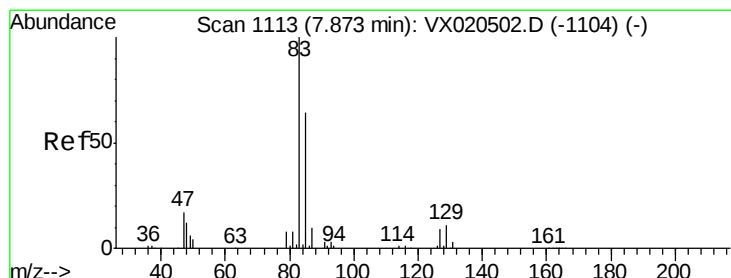
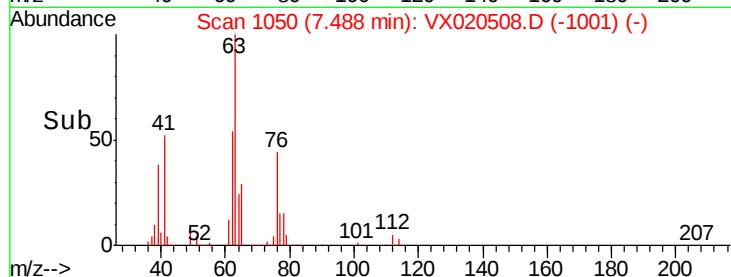
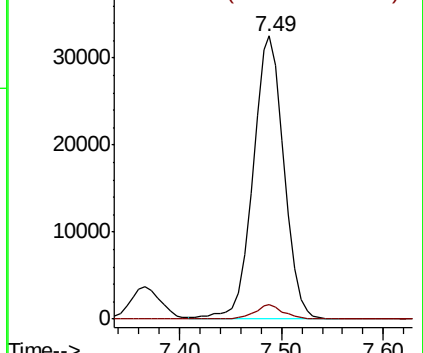
63 100

112 4.7 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.926 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

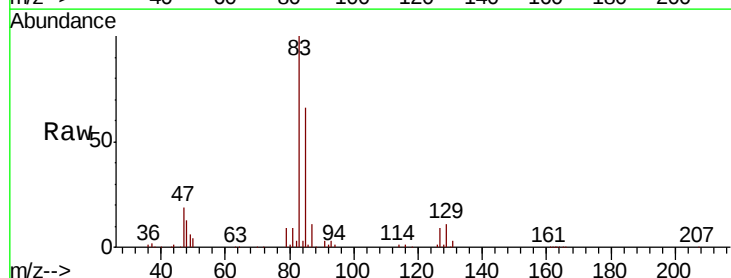
Tgt Ion: 83 Resp: 83776

Ion Ratio Lower Upper

83 100

85 65.8 44.6 82.8

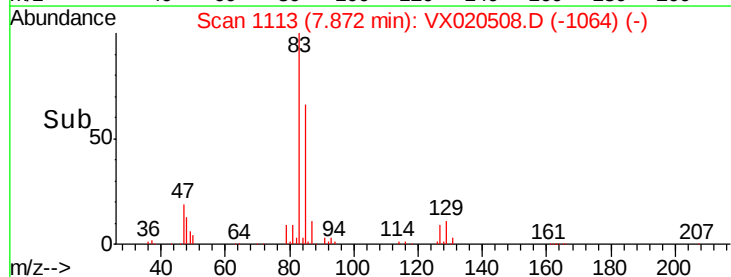
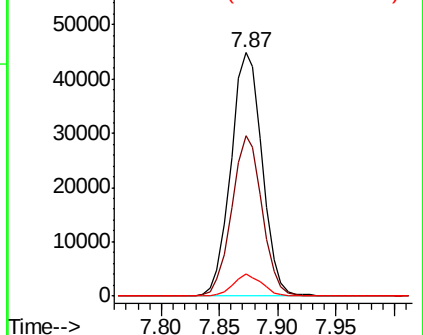
127 9.0 7.0 10.4

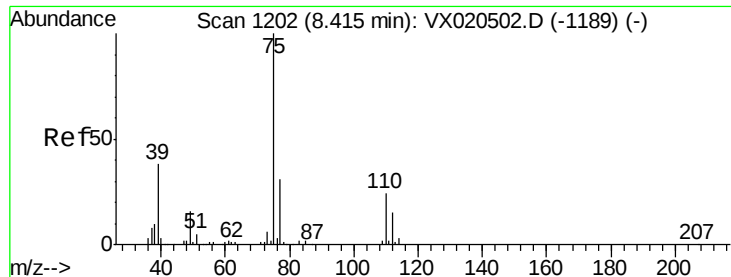


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V



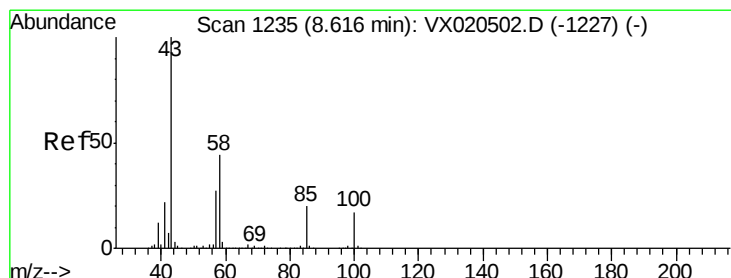
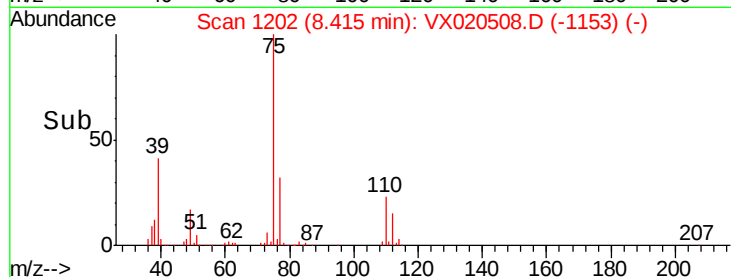
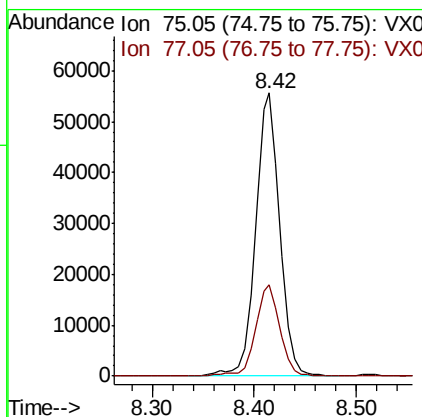
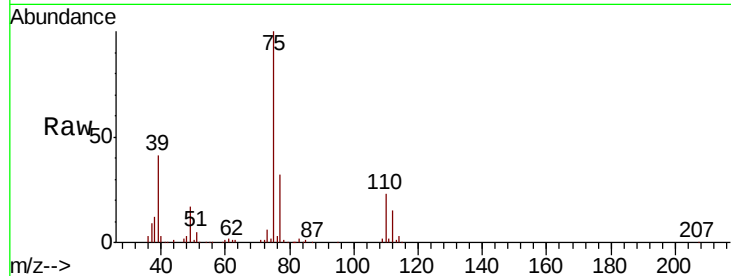


#39

cis-1,3-Dichloropropene
 Concen: 4.861 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

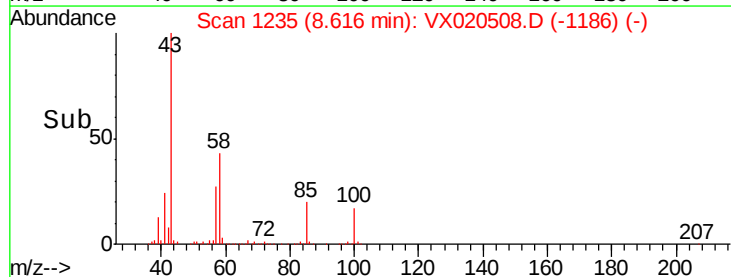
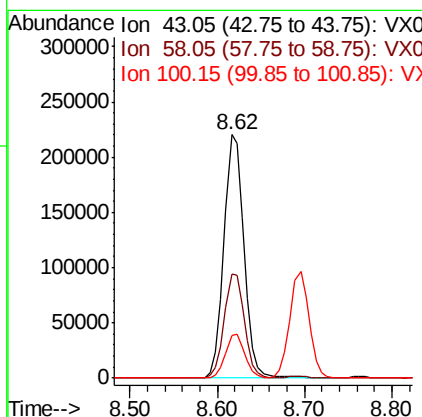
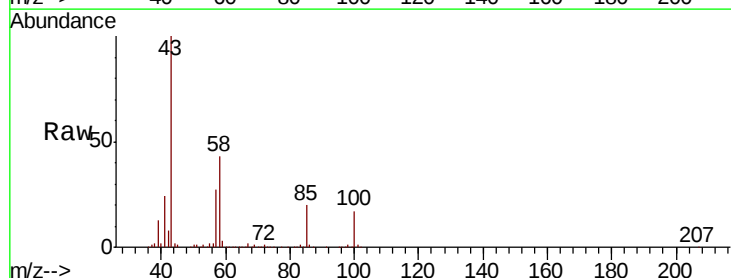
Tot Ion: 75 Resp: 91703
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.0

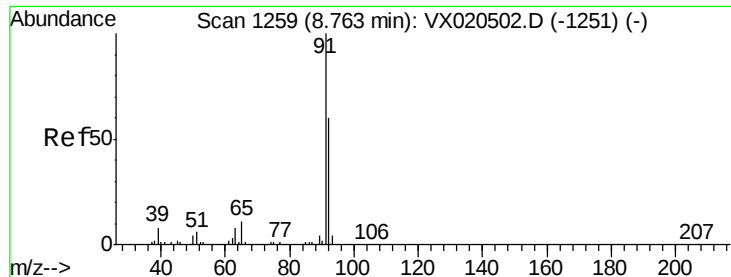


#40

4-Methyl-2-pentanone
 Concen: 51.378 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion: 43 Resp: 350072
 Ion Ratio Lower Upper
 43 100
 58 43.1 35.0 52.4
 100 17.7 14.3 21.5





#42

Toluene

Concen: 5.060 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

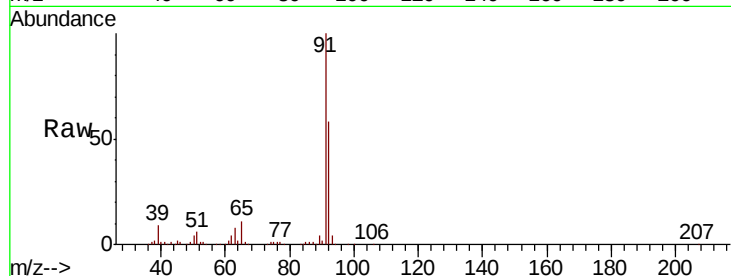
VSTD005309

Tot Ion: 91 Resp: 297034

Ion Ratio Lower Upper

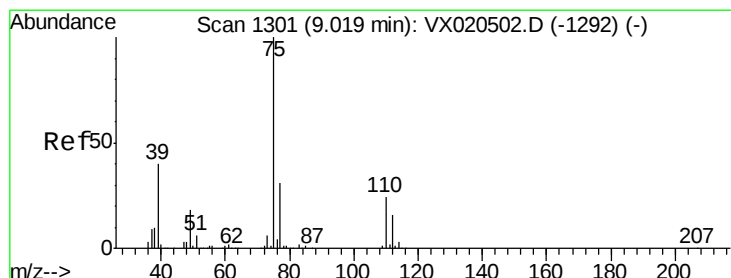
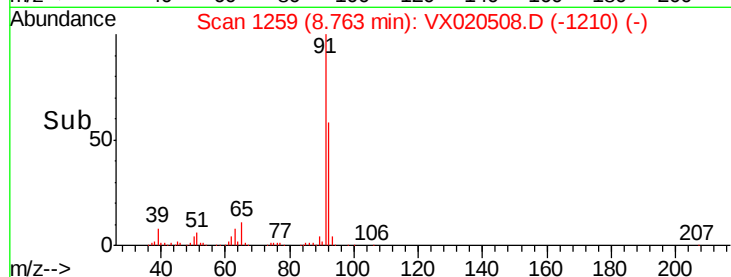
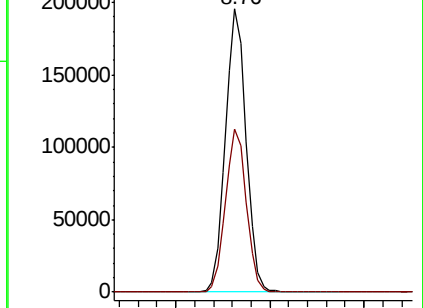
91 100

92 57.7 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#44

trans-1,3-Dichloropropene

Concen: 5.002 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX020508.D

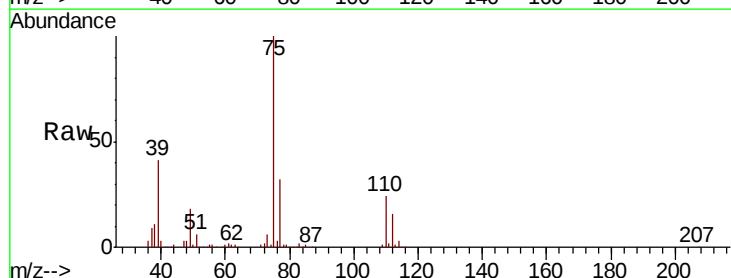
Acq: 05 Jan 2021 20:04

Tgt Ion: 75 Resp: 79311

Ion Ratio Lower Upper

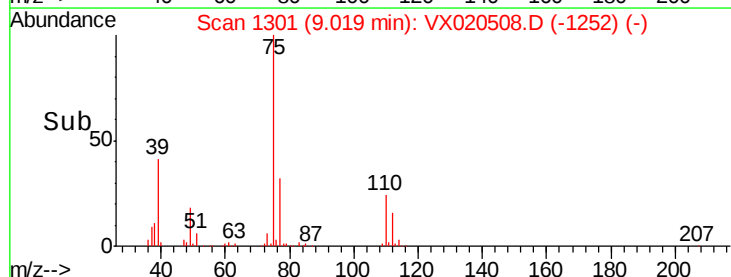
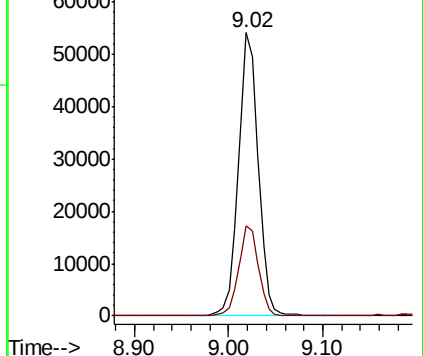
75 100

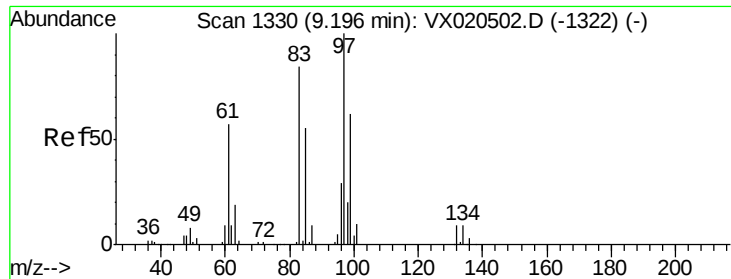
77 31.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

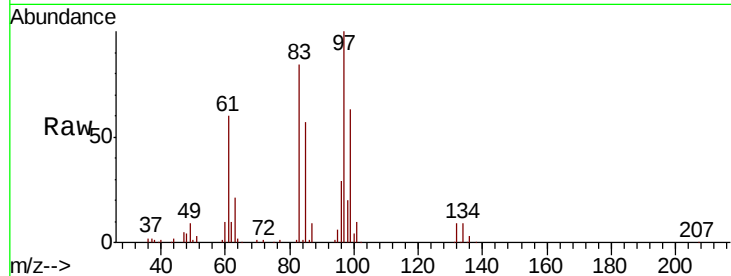




#45
 1,1,2-Trichloroethane
 Concen: 5.025 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTD005309

Tot Ion:	97	Resp:	49349
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.4	80.6
83	83.8	58.6	108.8
85	56.8	38.5	71.5



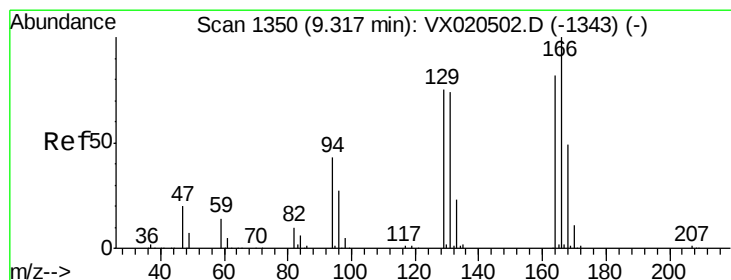
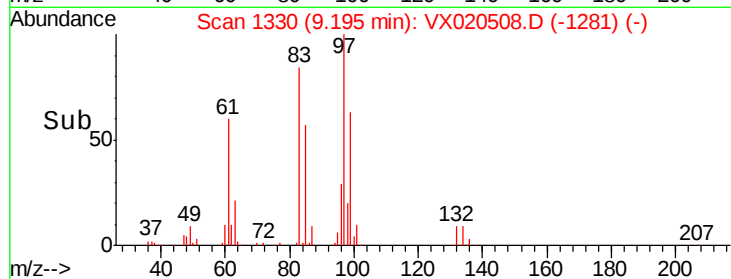
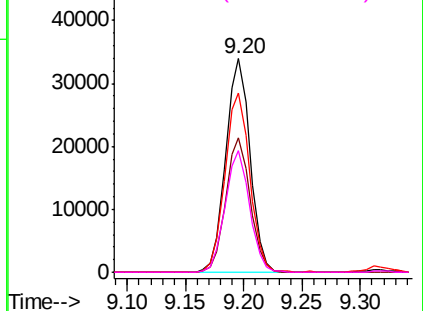
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

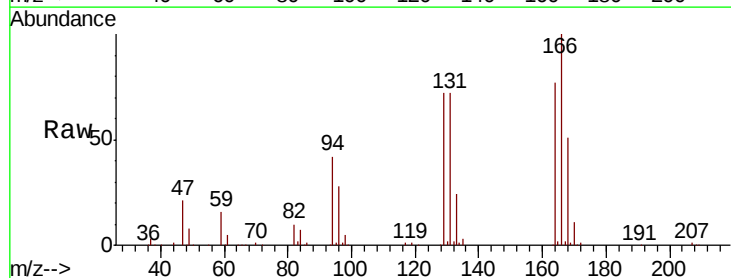
Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#47
 Tetrachloroethene
 Concen: 4.859 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion:	164	Resp:	57576
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.5	119.7
131	92.8	63.8	118.6
166	129.7	85.8	159.4



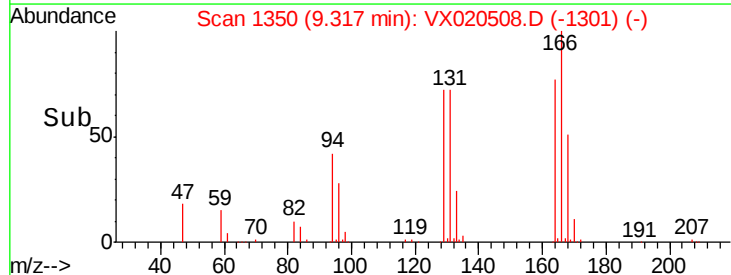
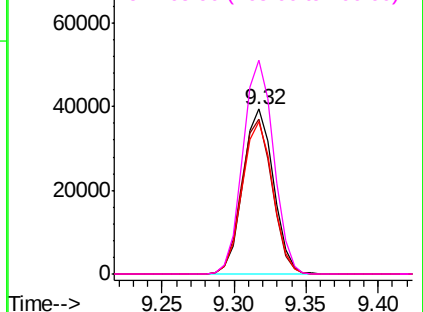
Abundance

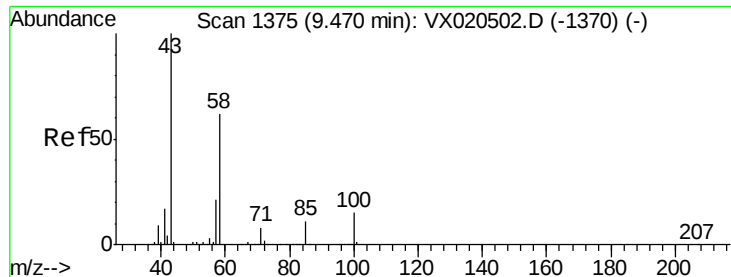
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

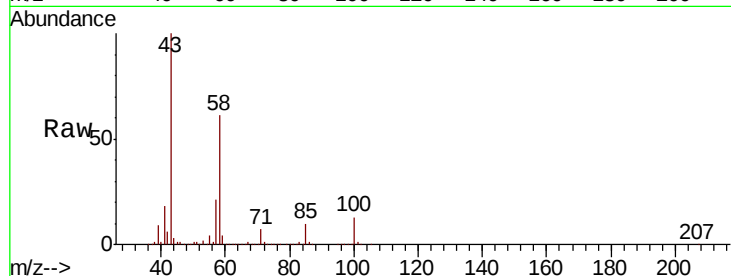




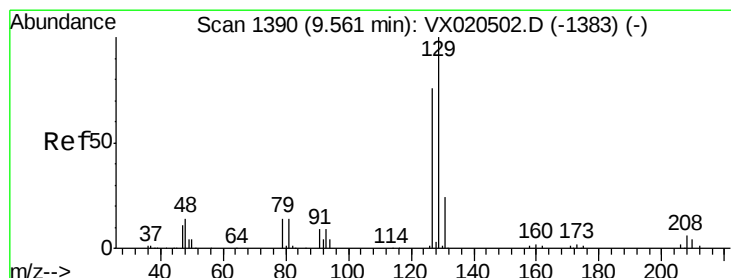
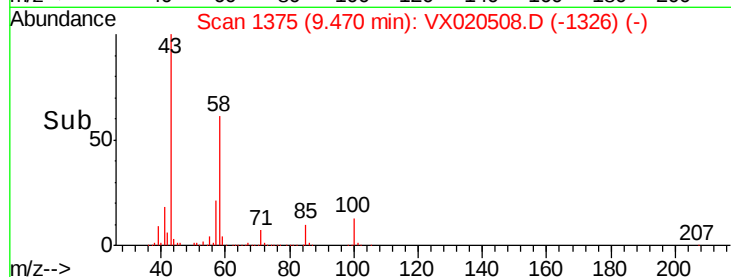
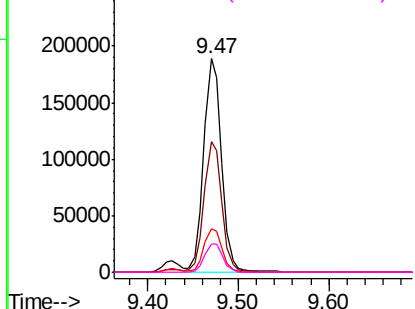
#48
2-Hexanone
Concen: 55.458 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

Tot Ion:	43	Resp:	260601
Ion	Ratio	Lower	Upper
43	100		
58	61.5	48.8	73.2
57	20.8	16.6	25.0
100	14.1	11.4	17.2

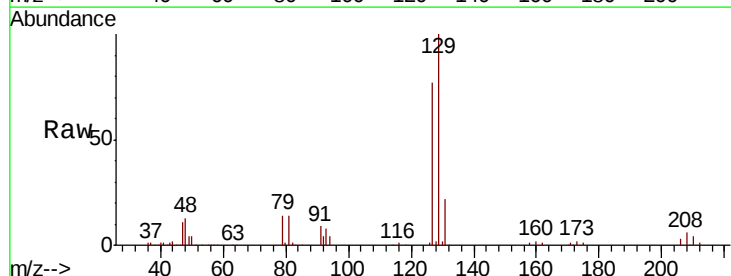


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

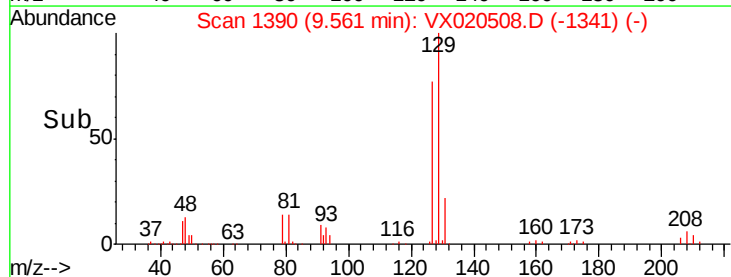
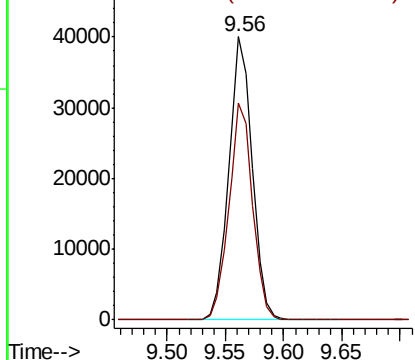


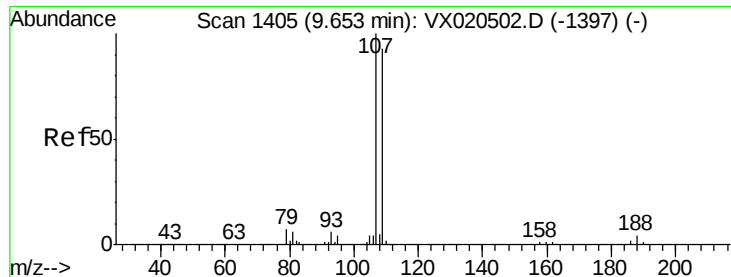
#49
Dibromochloromethane
Concen: 5.258 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Tgt Ion:	129	Resp:	56104
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

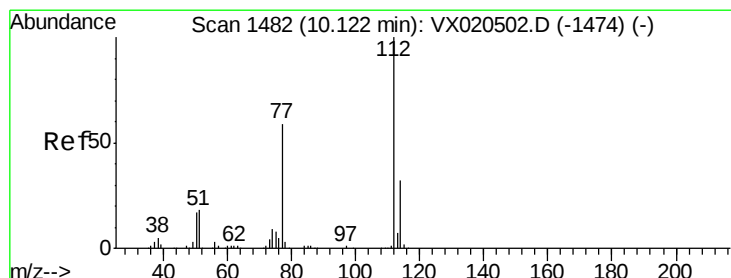
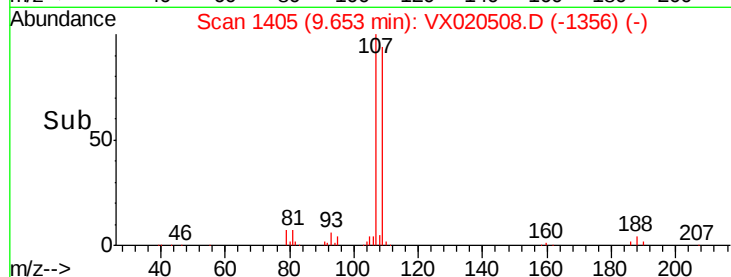
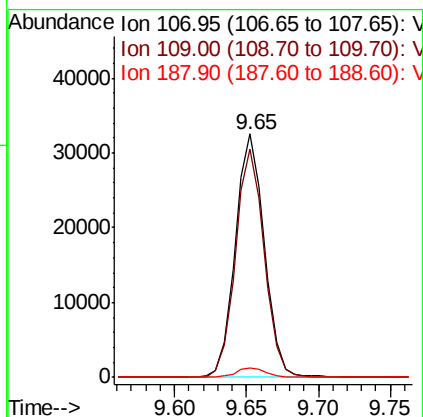
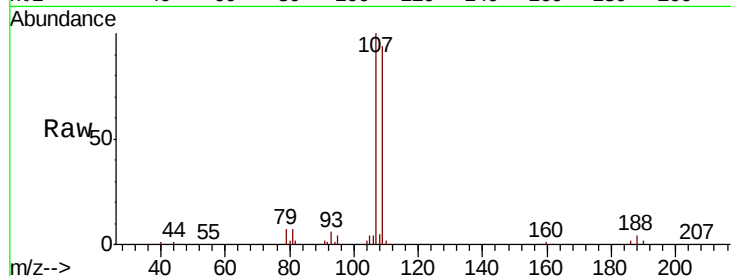




#50
 1,2-Dibromoethane
 Concen: 5.176 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

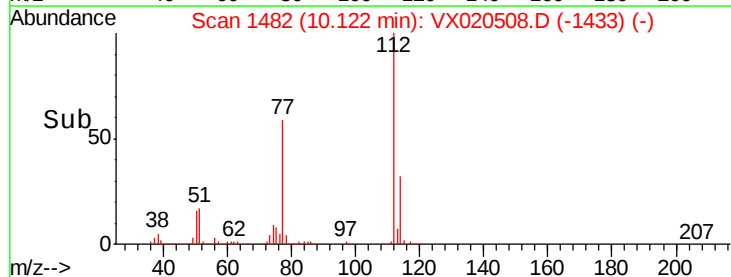
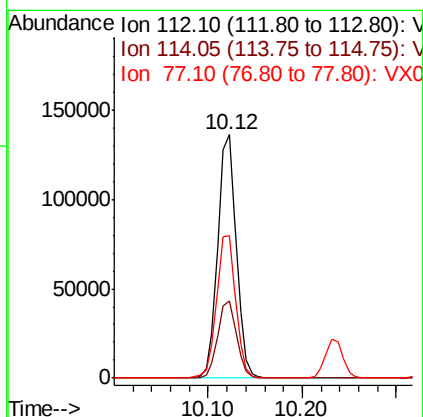
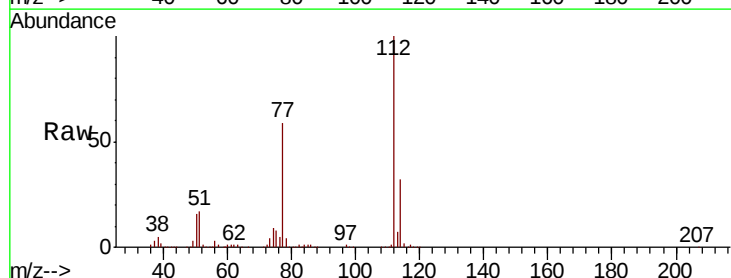
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

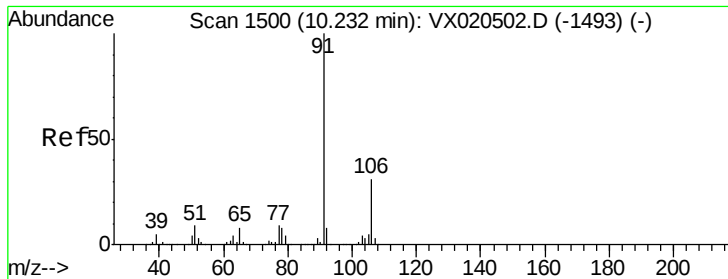
Tot Ion:107 Resp: 45592
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.0 120.8
 188 3.9 3.4 5.0



#51
 Chlorobenzene
 Concen: 5.076 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion:112 Resp: 186691
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.1 41.1
 77 58.6 47.0 70.6





#52

Ethylbenzene

Concen: 5.309 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampled :

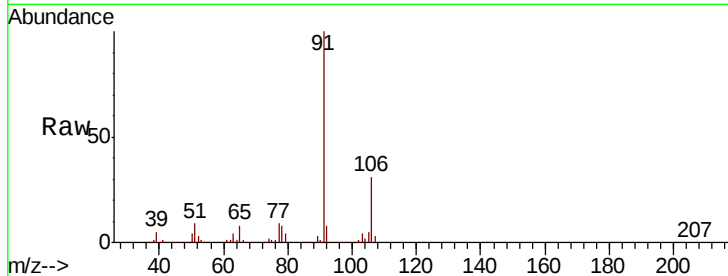
VSTD005309

Tot Ion: 91 Resp: 324263

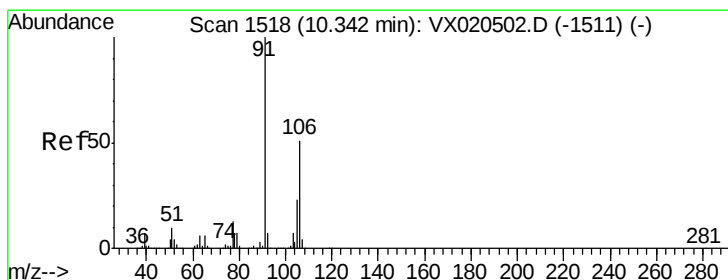
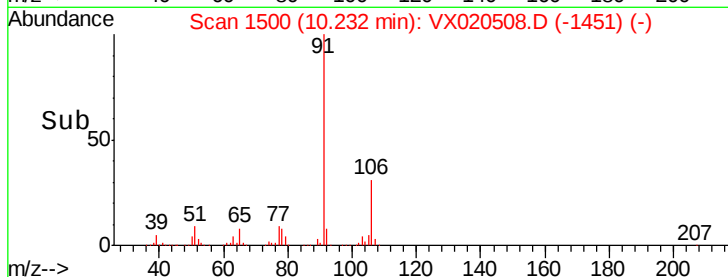
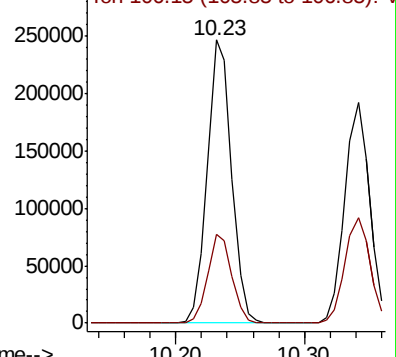
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VX0



#53

m,p-xylene

Concen: 5.350 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020508.D

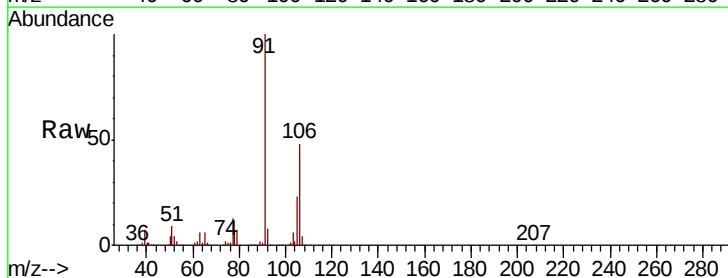
Acq: 05 Jan 2021 20:04

Tgt Ion: 106 Resp: 124227

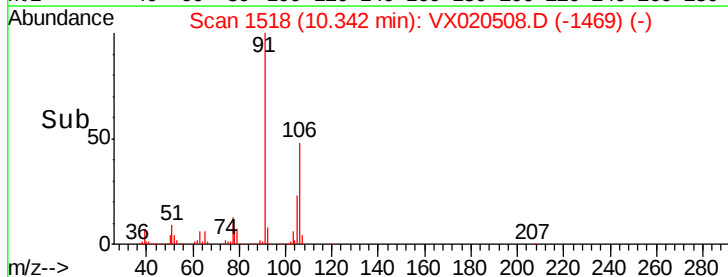
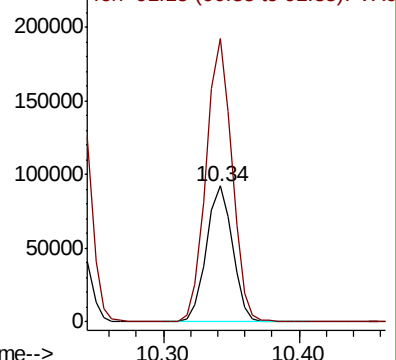
Ion Ratio Lower Upper

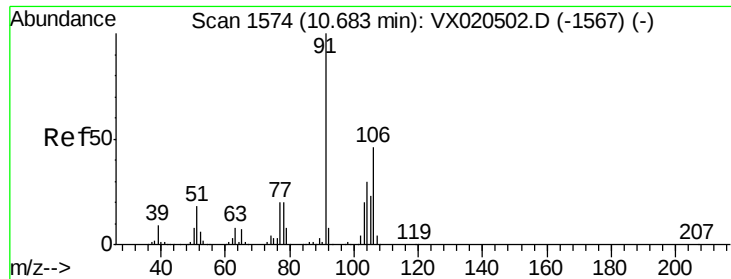
106 100

91 208.1 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): V





#54

o-xylene

Concen: 5.397 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampled :

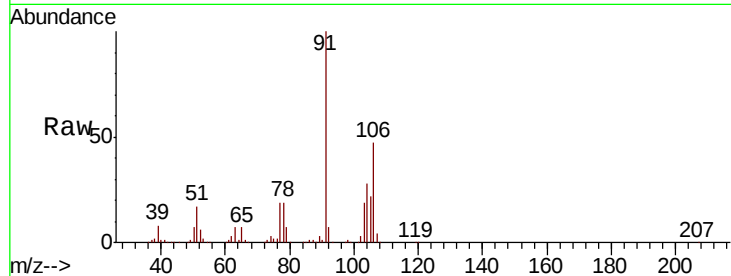
VSTD005309

Tot Ion:106 Resp: 119381

Ion Ratio Lower Upper

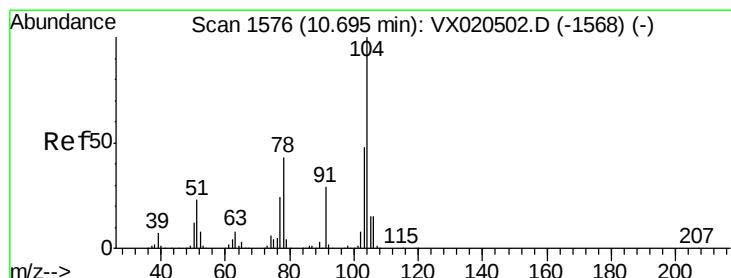
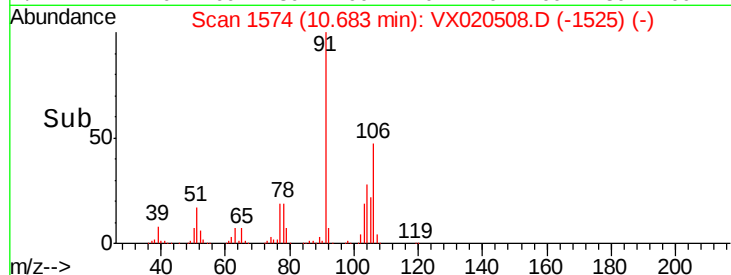
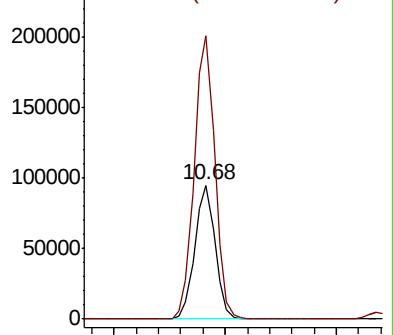
106 100

91 211.8 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 5.406 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX020508.D

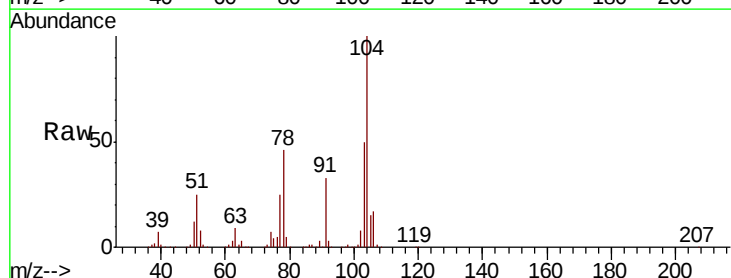
Acq: 05 Jan 2021 20:04

Tgt Ion:104 Resp: 200861

Ion Ratio Lower Upper

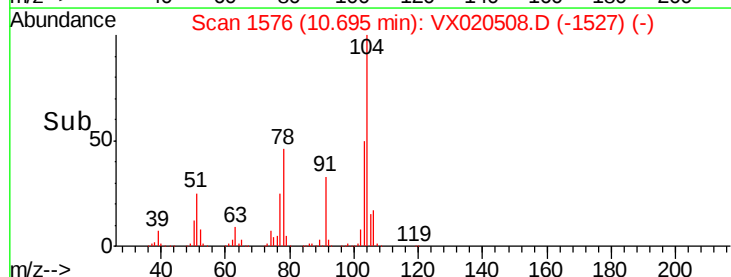
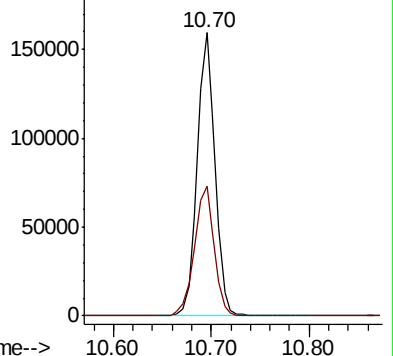
104 100

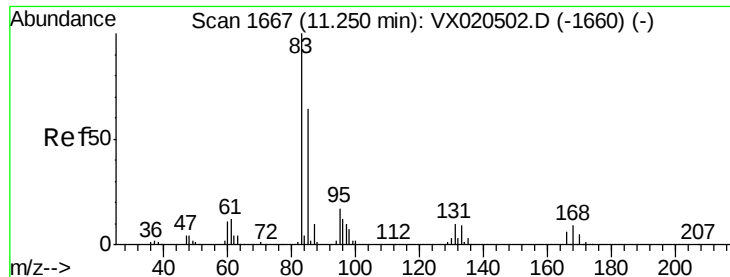
78 45.7 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.904 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampled :

VSTD005309

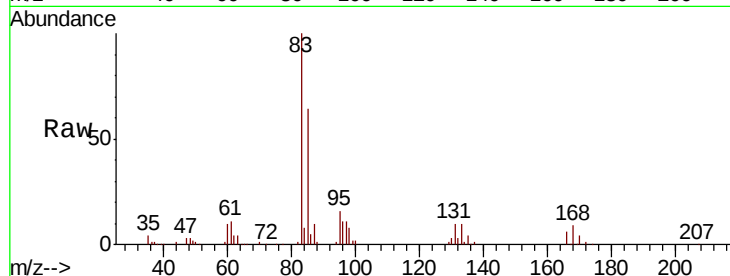
Tot Ion: 83 Resp: 53697

Ion Ratio Lower Upper

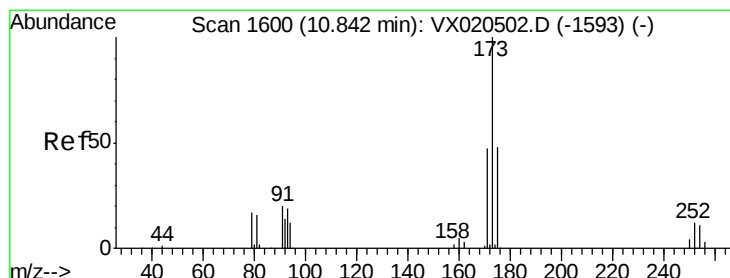
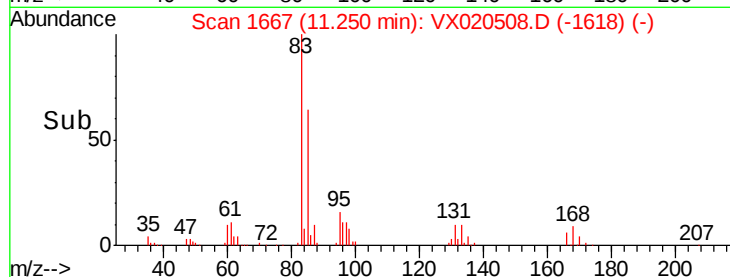
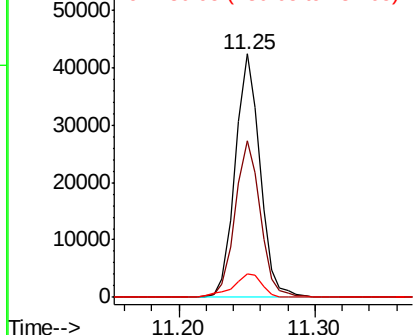
83 100

85 64.3 44.6 82.8

131 9.6 8.2 12.2



Abundance Ion 82.95 (82.65 to 83.65): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 130.95 (130.65 to 131.65): V



#59

Bromoform

Concen: 4.930 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

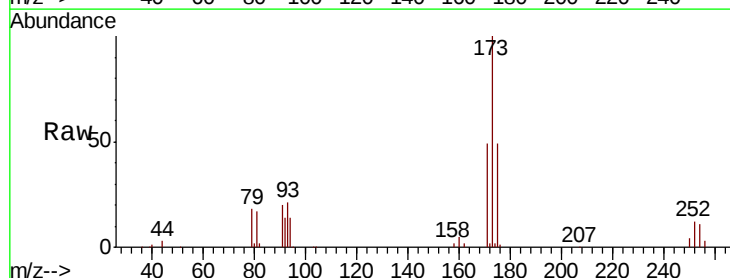
Tgt Ion: 173 Resp: 29295

Ion Ratio Lower Upper

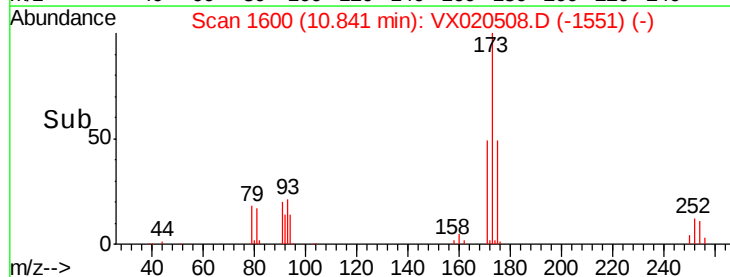
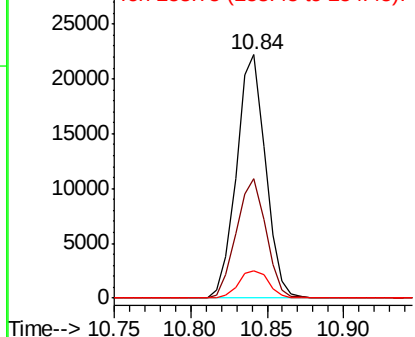
173 100

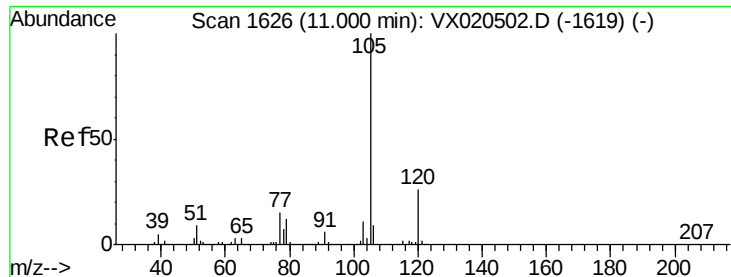
175 50.1 38.0 57.0

254 11.9 8.8 13.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 5.243 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampleId :

VSTD005309

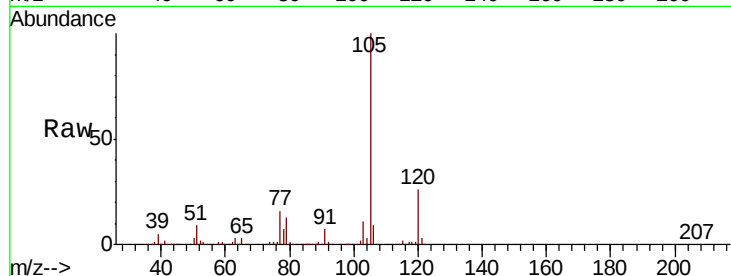
Tot Ion:105 Resp: 312397

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

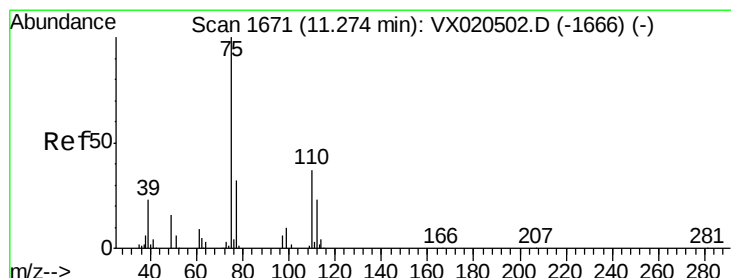
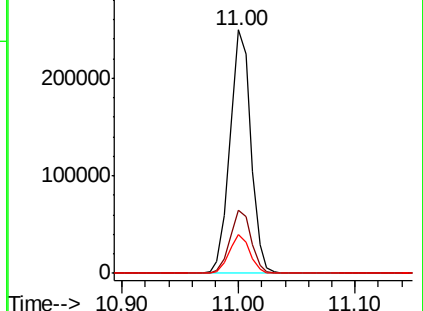
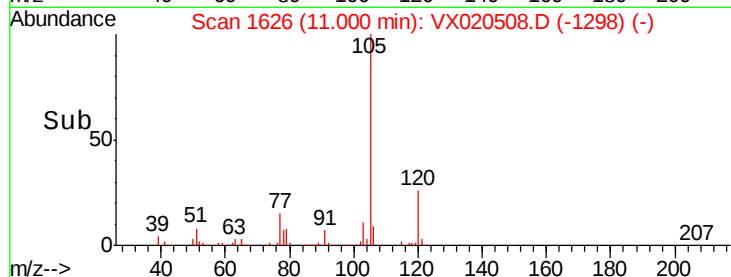
77 15.6 12.4 18.6



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: 4.781 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

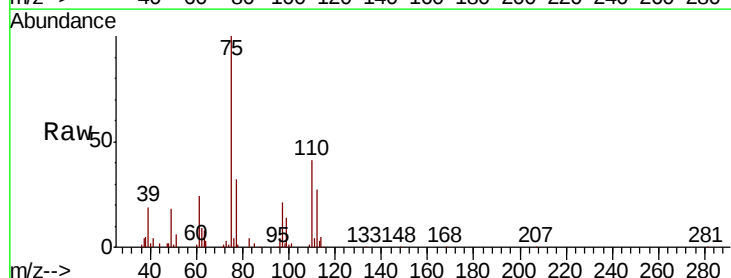
Tgt Ion: 75 Resp: 39699

Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5

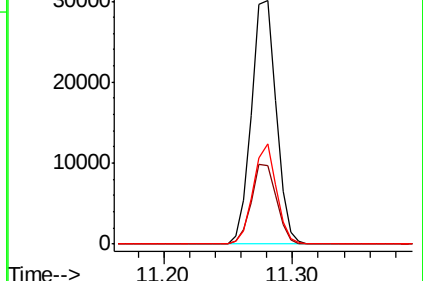
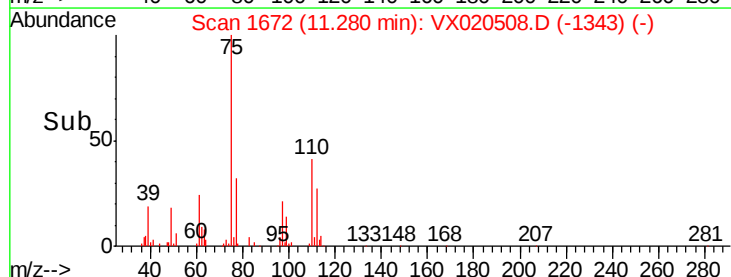
110 38.3 32.1 48.1

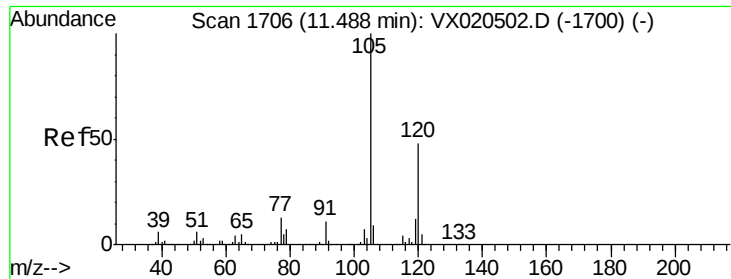


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.249 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampled :

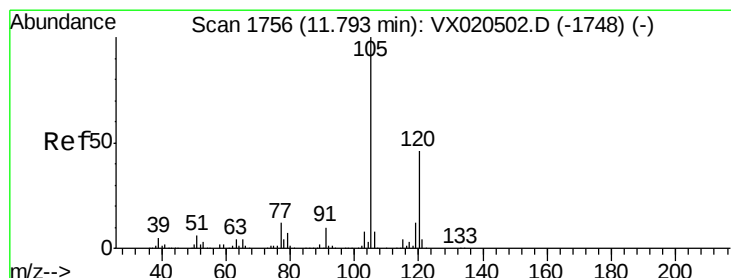
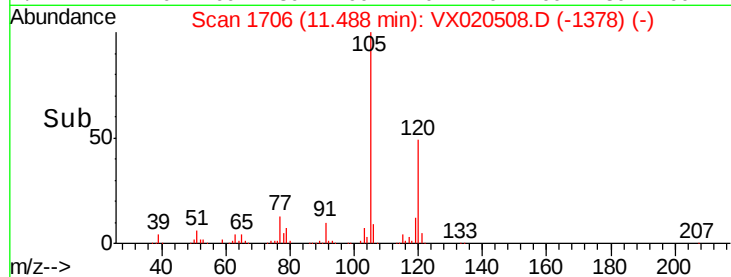
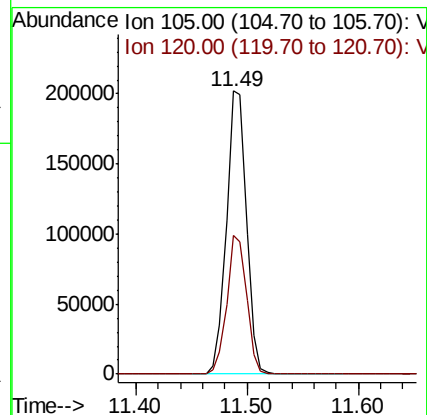
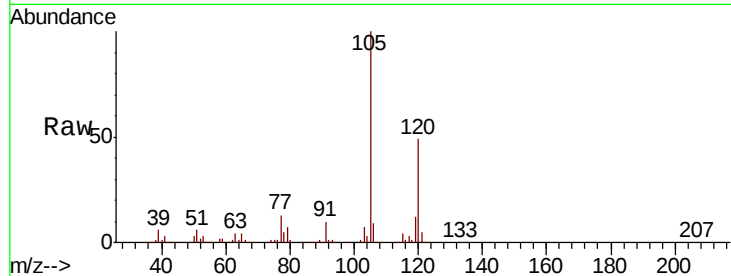
VSTD005309

Tot Ion:105 Resp: 252016

Ion Ratio Lower Upper

105 100

120 48.3 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 5.397 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX020508.D

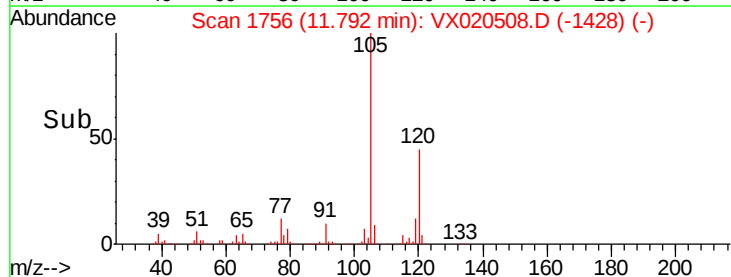
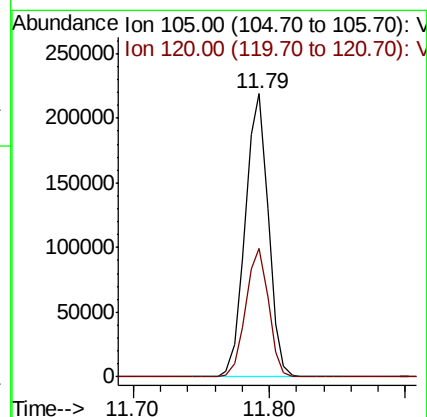
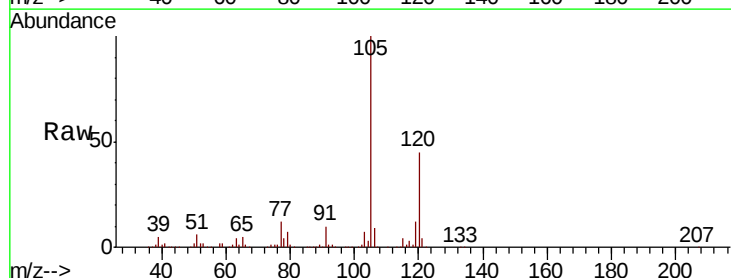
Acq: 05 Jan 2021 20:04

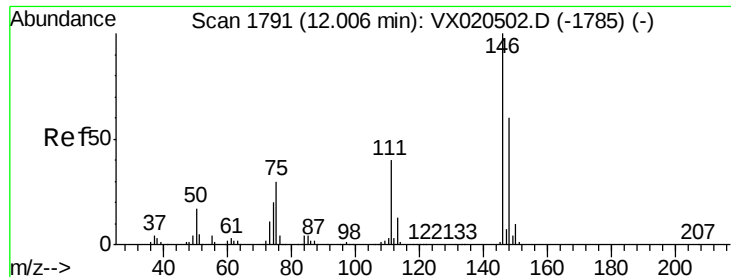
Tgt Ion:105 Resp: 259189

Ion Ratio Lower Upper

105 100

120 45.0 36.5 54.7

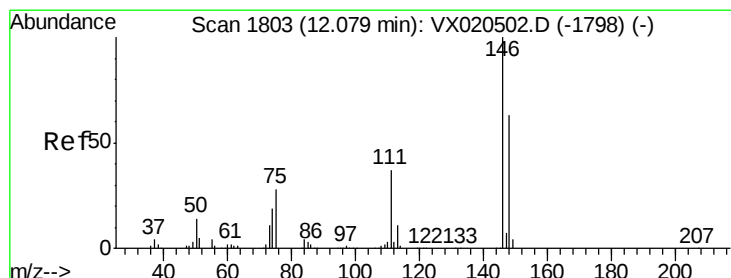
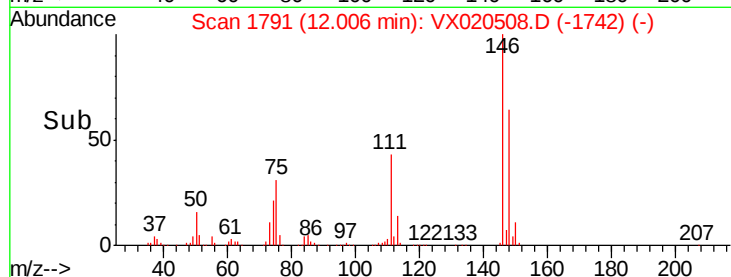
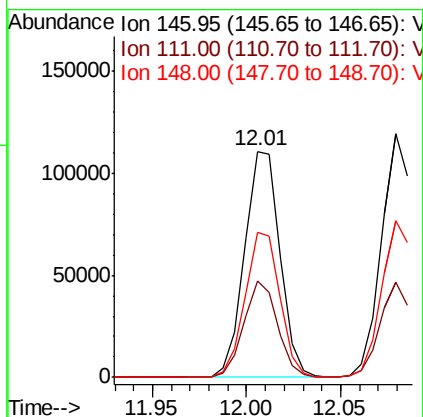
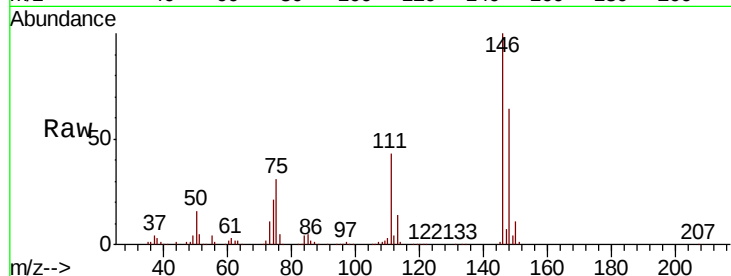




#64
 1,3-Dichlorobenzene
 Concen: 5.022 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

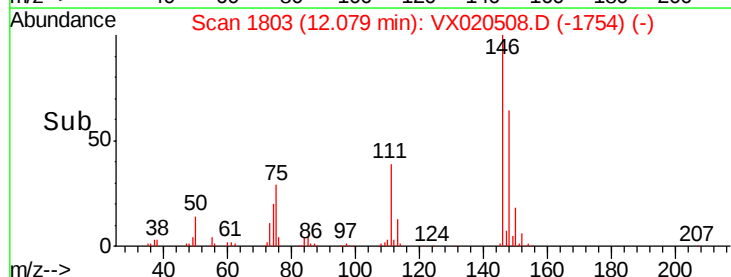
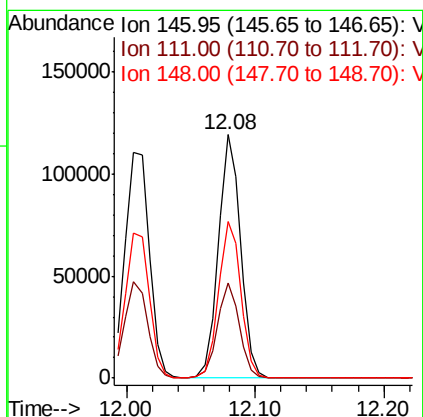
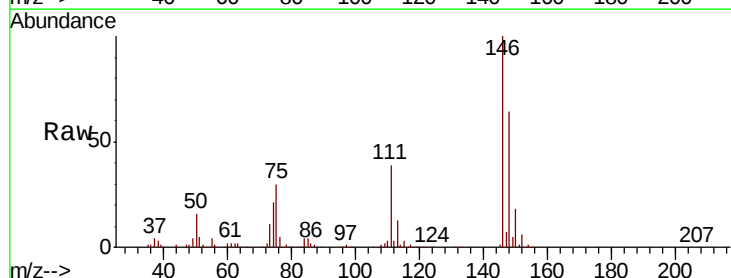
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005309

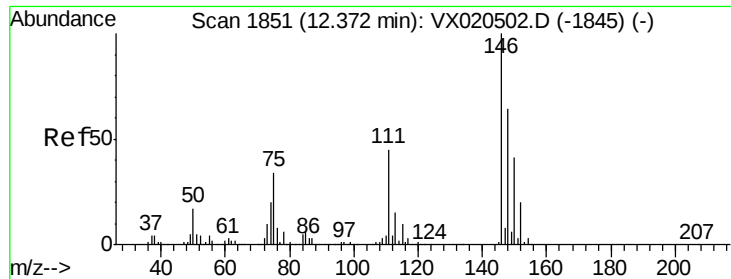
Tot Ion:146 Resp: 144598
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.2 52.4
 148 64.1 41.7 77.5



#65
 1,4-Dichlorobenzene
 Concen: 4.991 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion:146 Resp: 145178
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.2 48.8
 148 64.3 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.033 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

Instrument :

MSVOA_X

ClientSampled :

VSTD005309

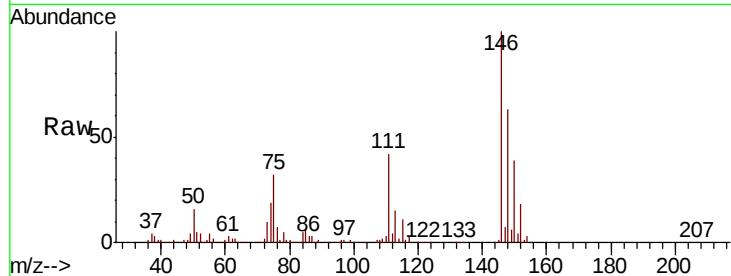
Tot Ion:146 Resp: 135021

Ion Ratio Lower Upper

146 100

111 41.6 36.3 54.5

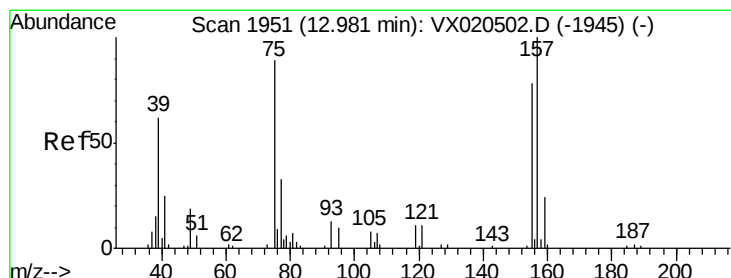
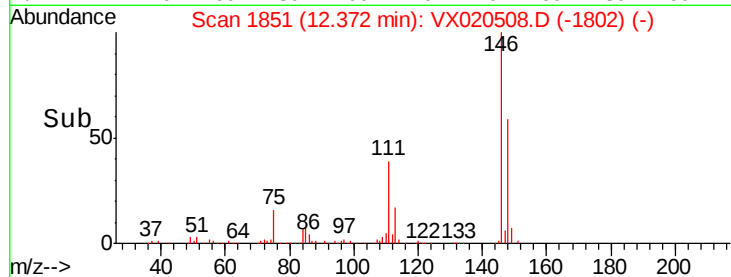
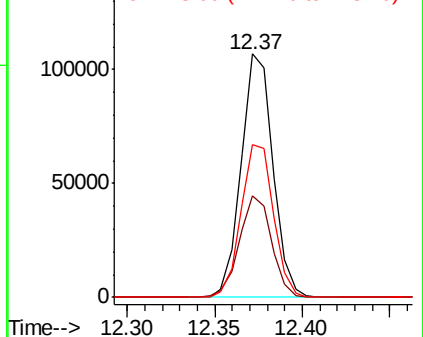
148 62.8 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 4.742 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX020508.D

Acq: 05 Jan 2021 20:04

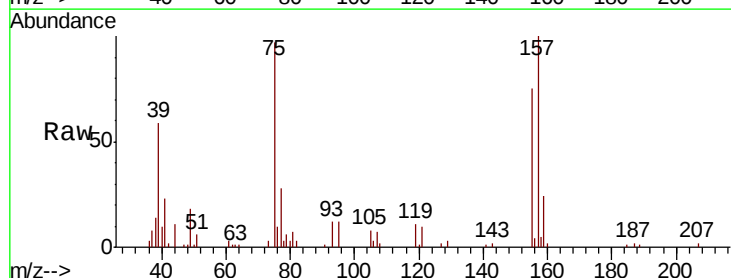
Tgt Ion: 75 Resp: 8452

Ion Ratio Lower Upper

75 100

155 77.4 69.8 104.8

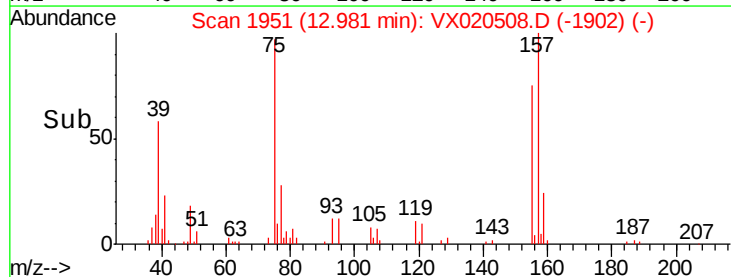
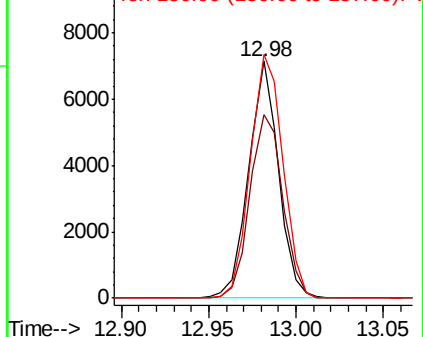
157 102.7 90.0 135.0

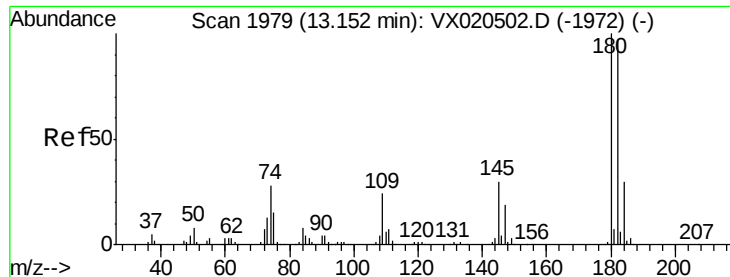


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

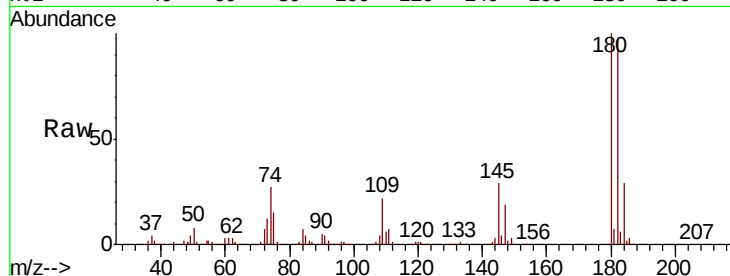




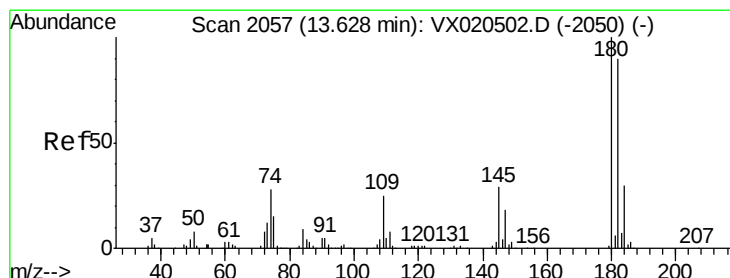
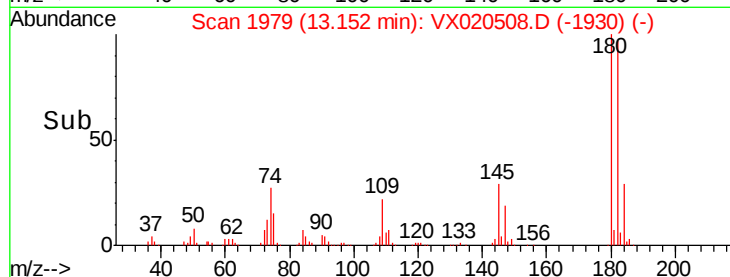
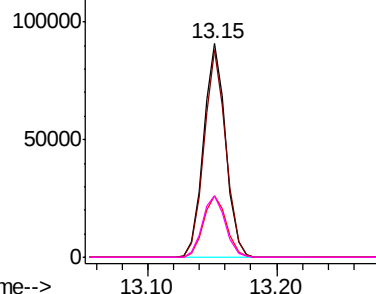
#69
 1,3,5-Trichlorobenzene
 Concen: 4.965 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005309

Tot Ion:180	Resp:	108662
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.0 115.4
184	29.7	24.6 36.8
145	29.9	23.6 35.4

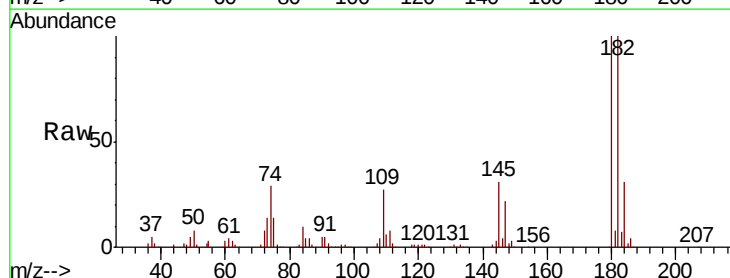


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

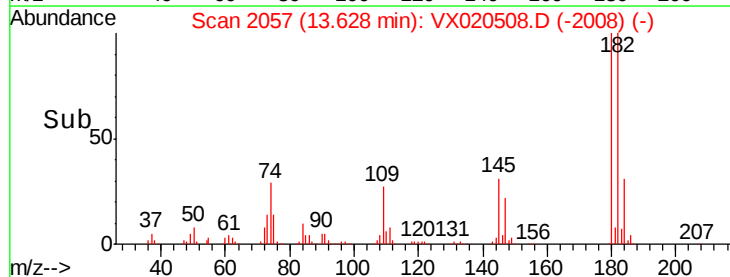
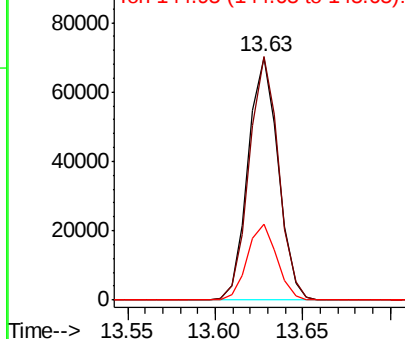


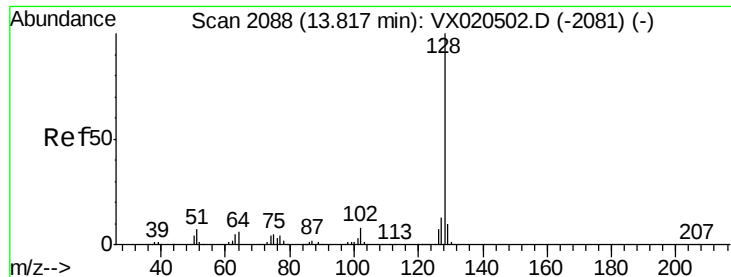
#70
 1,2,4-trichlorobenzene
 Concen: 4.813 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020508.D
 Acq: 05 Jan 2021 20:04

Tgt Ion:180	Resp:	83968
Ion Ratio	Lower	Upper
180	100	
182	97.9	74.3 111.5
145	30.7	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

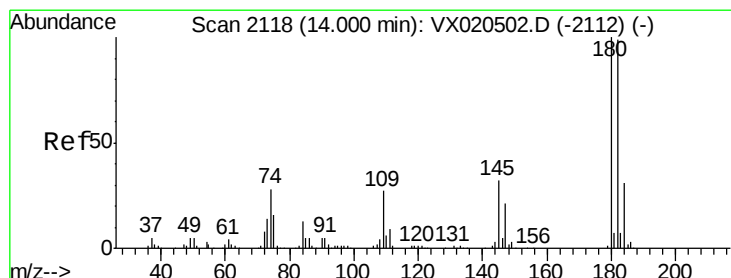
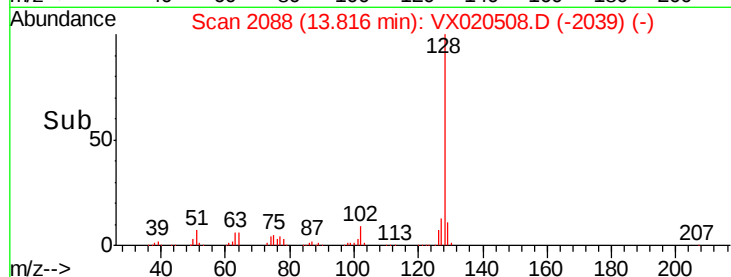
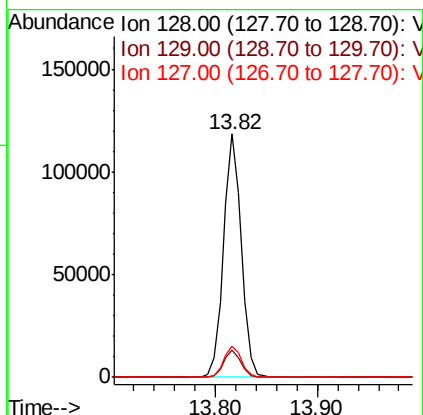
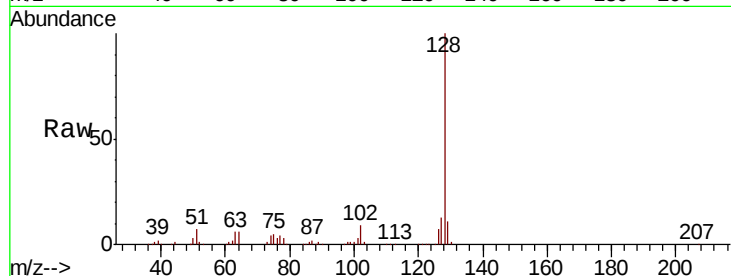




#71
Naphthalene
Concen: 4.997 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Instrument :
MSVOA_X
ClientSampleId :
VSTD005309

Tot Ion:128 Resp: 143099
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.7 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 5.049 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX020508.D
Acq: 05 Jan 2021 20:04

Tgt Ion:180 Resp: 81520
Ion Ratio Lower Upper
180 100
182 93.7 79.3 118.9
145 31.1 26.5 39.7

