

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010521\
 Data File : VX020500.D
 Acq On : 05 Jan 2021 15:40
 Operator : JC/MD
 Sample : VSTD0.562
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

Quant Time: Jan 06 04:38:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 04:37:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	145543	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	144907	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	68888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	6145	0.63	ug/L	0.00
7) Chloroethane-d5	1.69	69	5324	0.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	10793	0.56	ug/L	0.00
20) 2-Butanone-d5	4.54	46	12123	5.70	ug/L	0.01
24) Chloroform-d	5.14	84	11385	0.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	5666	0.55	ug/L	0.00
32) Benzene-d6	6.04	84	22619	0.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	7291	0.62	ug/L	0.00
41) Toluene-d8	8.70	98	18955	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	2170	0.45	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	8873	4.14	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	5017	0.57	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	7024	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	7960	0.624	ug/L 100
3) Chloromethane	1.31	50	7104	0.649	ug/L 96
5) Vinyl chloride	1.39	62	7187	0.586	ug/L 99
6) Bromomethane	1.64	94	3536	0.461	ug/L 98
8) Chloroethane	1.71	64	4447	0.600	ug/L 93
9) Trichlorofluoromethane	1.92	101	9033	0.520	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	5085	0.516	ug/L 97
12) 1,1-Dichloroethene	2.36	96	4991	0.520	ug/L 93
13) Acetone	2.43	43	6792	5.510	ug/L 92
14) Carbon disulfide	2.55	76	18179	0.599	ug/L 97
15) Methyl Acetate	2.75	43	2276	0.695	ug/L 97
16) Methylene chloride	2.83	84	8845	0.765	ug/L 96
17) Methyl tert-butyl Ether	3.16	73	11239	0.498	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	5964	0.586	ug/L 91
19) 1,1-Dichloroethane	3.67	63	10416	0.593	ug/L 96
21) 2-Butanone	4.64	43	11608	5.434	ug/L 98
22) cis-1,2-Dichloroethene	4.56	96	5702	0.525	ug/L 99
23) Bromochloromethane	4.98	128	2636	0.581	ug/L 91
25) Chloroform	5.17	83	10873	0.592	ug/L 99
27) 1,2-Dichloroethane	6.15	62	6013	0.532	ug/L 99
29) 1,1,1-Trichloroethane	5.46	97	8839	0.489	ug/L 97
30) Cyclohexane	5.54	56	7612	0.426	ug/L 98
31) Carbon tetrachloride	5.75	117	7583	0.489	ug/L 98
33) Benzene	6.11	78	22496	0.503	ug/L 100
34) Trichloroethene	7.18	95	6070	0.508	ug/L 90
35) Methylcyclohexane	7.43	83	8063	0.420	ug/L 98
37) 1,2-Dichloropropane	7.49	63	5751	0.545	ug/L 98
38) Bromodichloromethane	7.87	83	6812	0.503	ug/L 95
39) cis-1,3-Dichloropropene	8.41	75	6929	0.441	ug/L 99
40) 4-Methyl-2-pentanone	8.62	43	23469	4.227	ug/L 97

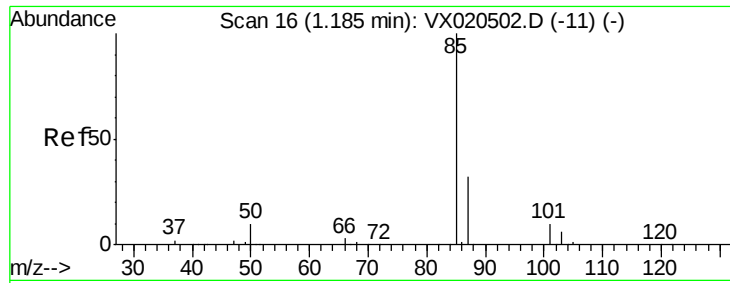
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010521\
 Data File : VX020500.D
 Acq On : 05 Jan 2021 15:40
 Operator : JC/MD
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 04:37:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	21474	0.449	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	5501	0.416	ug/L	94
45) 1,1,2-Trichloroethane	9.20	97	4121	0.541	ug/L	93
47) Tetrachloroethene	9.32	164	4832	0.518	ug/L	96
48) 2-Hexanone	9.47	43	16633	4.247	ug/L	94
49) Dibromochloromethane	9.56	129	4067	0.462	ug/L	92
50) 1,2-Dibromoethane	9.65	107	3546	0.501	ug/L #	94
51) Chlorobenzene	10.12	112	15152	0.505	ug/L	99
52) Ethylbenzene	10.23	91	22427	0.427	ug/L	99
53) m,p-xylene	10.34	106	8091	0.400	ug/L	97
54) o-xylene	10.68	106	7599	0.395	ug/L	96
55) Styrene	10.70	104	12195	0.383	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	4459	0.515	ug/L	99
59) Bromoform	10.84	173	2187	0.484	ug/L	99
60) Isopropylbenzene	11.00	105	19631	0.393	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	3281	0.532	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	14977	0.361	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	14860	0.353	ug/L	97
64) 1,3-Dichlorobenzene	12.01	146	10907	0.486	ug/L	95
65) 1,4-Dichlorobenzene	12.08	146	11269	0.499	ug/L	96
67) 1,2-Dichlorobenzene	12.37	146	10405	0.503	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.98	75	737	0.531	ug/L	88
69) 1,3,5-Trichlorobenzene	13.15	180	8051	0.489	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	5994	0.420	ug/L	97
71) Naphthalene	13.82	128	8288	0.332	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	5593	0.441	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.624 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

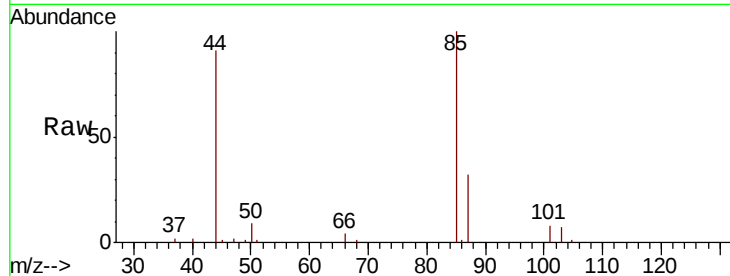
VSTD0.5302

Tot Ion: 85 Resp: 7960

Ion Ratio Lower Upper

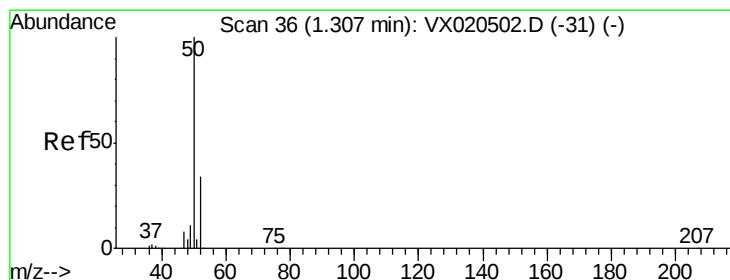
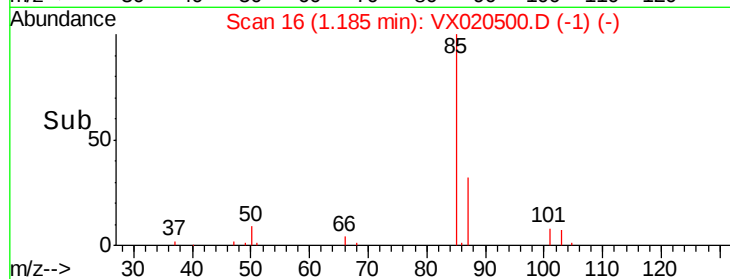
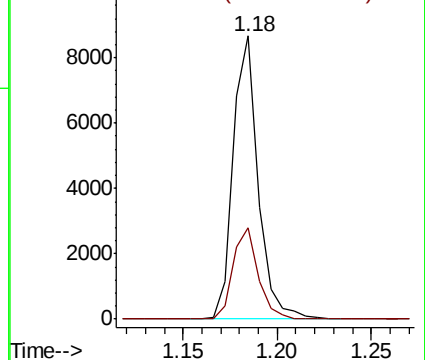
85 100

87 32.2 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: 0.649 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX020500.D

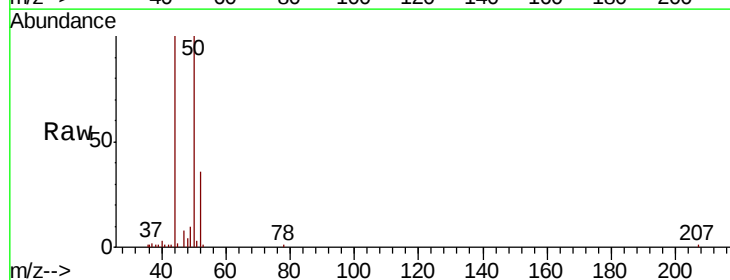
Acq: 05 Jan 2021 15:40

Tgt Ion: 50 Resp: 7104

Ion Ratio Lower Upper

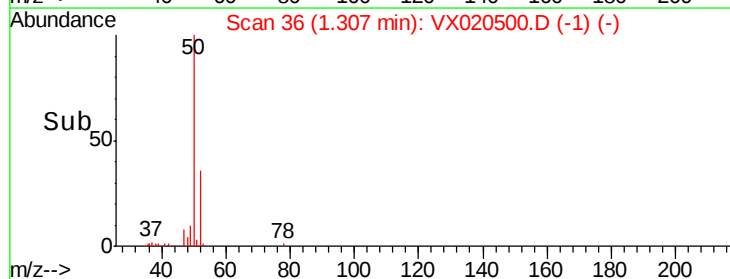
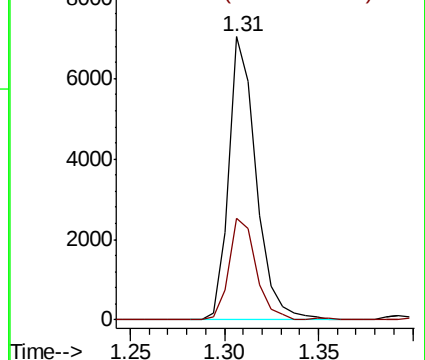
50 100

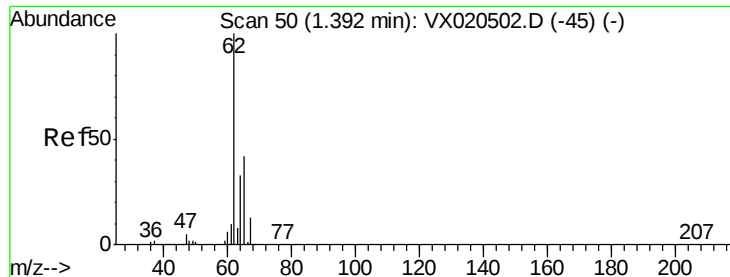
52 35.9 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 0.586 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

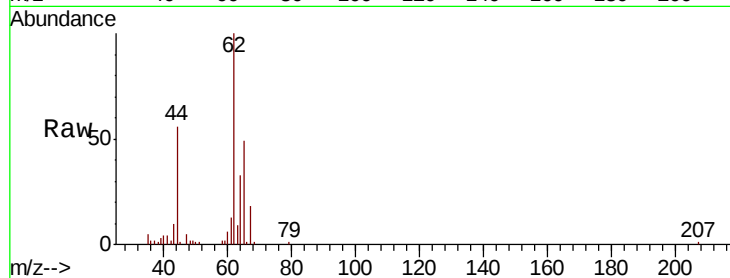
VSTD0.5302

Tot Ion: 62 Resp: 7187

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0

8000

6000

4000

2000

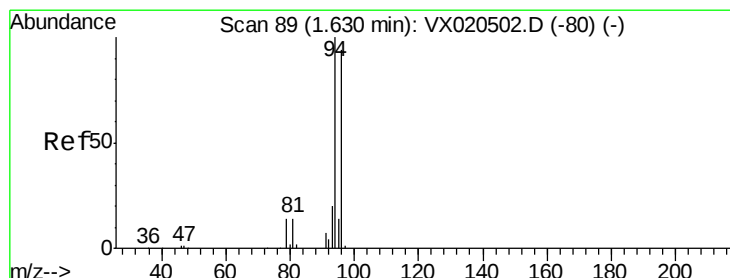
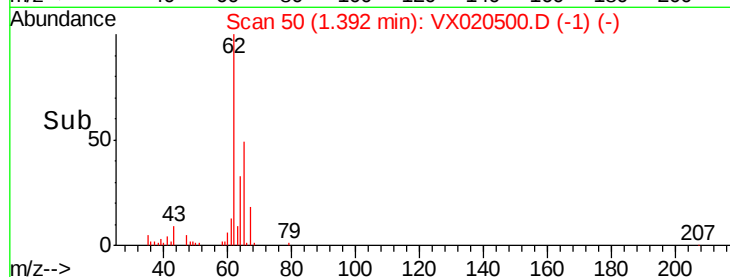
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 0.461 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020500.D

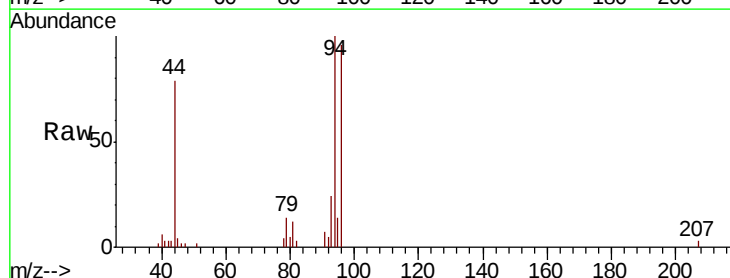
Acq: 05 Jan 2021 15:40

Tgt Ion: 94 Resp: 3536

Ion Ratio Lower Upper

94 100

96 96.1 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

3000

2000

1000

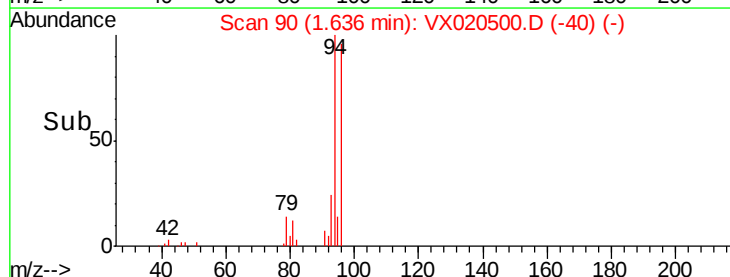
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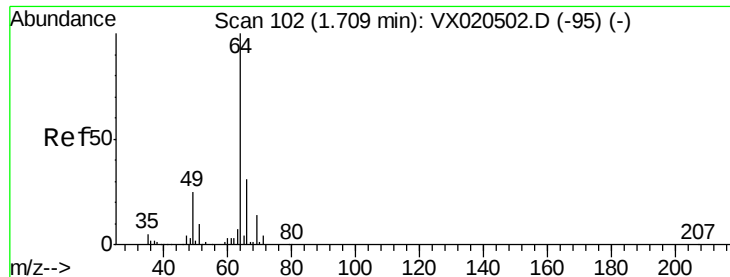
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 0.600 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

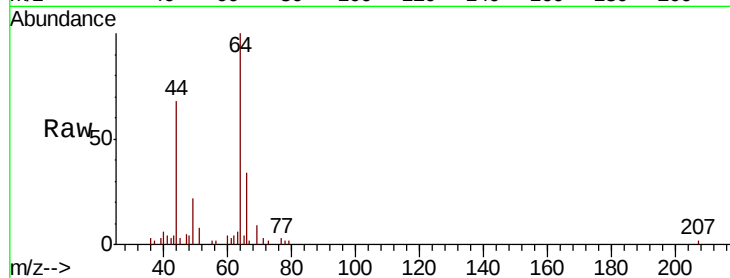
VSTD0.5302

Tot Ion: 64 Resp: 4447

Ion Ratio Lower Upper

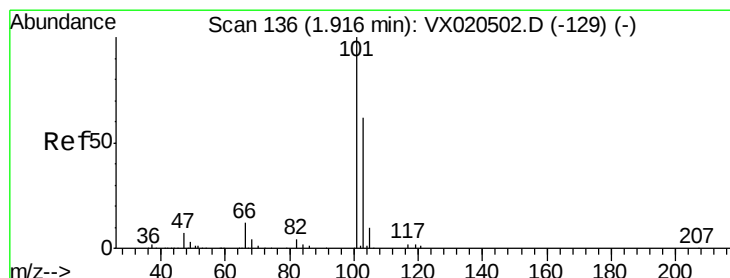
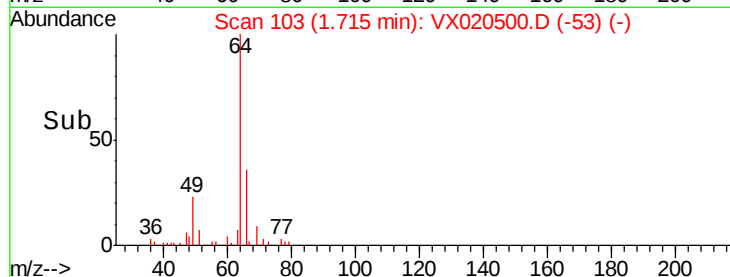
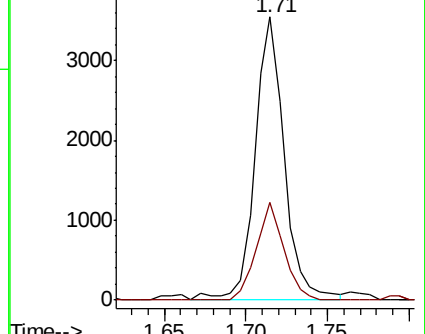
64 100

66 34.3 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: 0.520 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020500.D

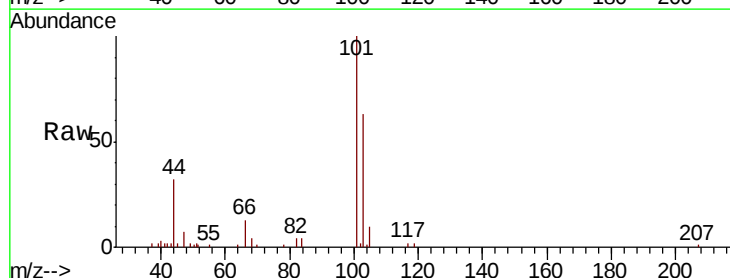
Acq: 05 Jan 2021 15:40

Tgt Ion: 101 Resp: 9033

Ion Ratio Lower Upper

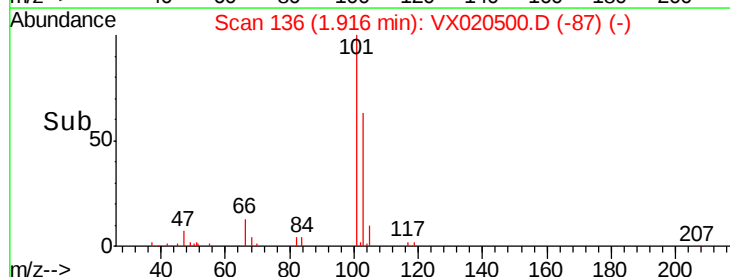
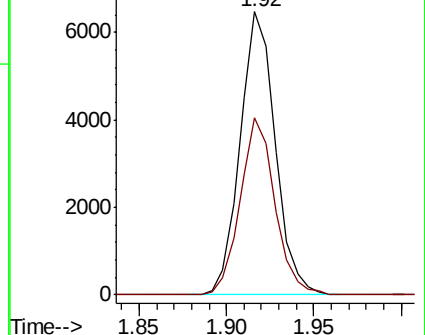
101 100

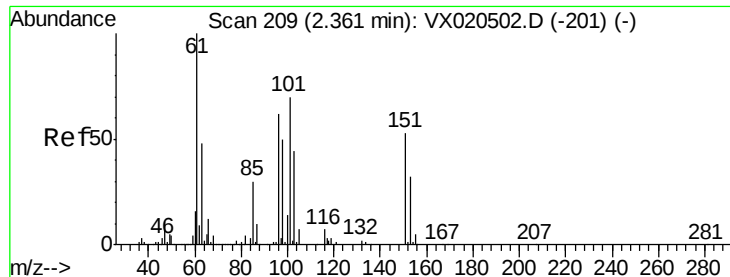
103 61.9 51.0 76.6



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: 0.516 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5302

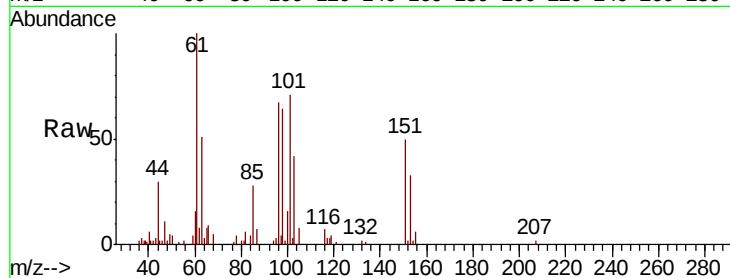
Tot Ion:101 Resp: 5085

Ion Ratio Lower Upper

101 100

85 43.1 34.9 52.3

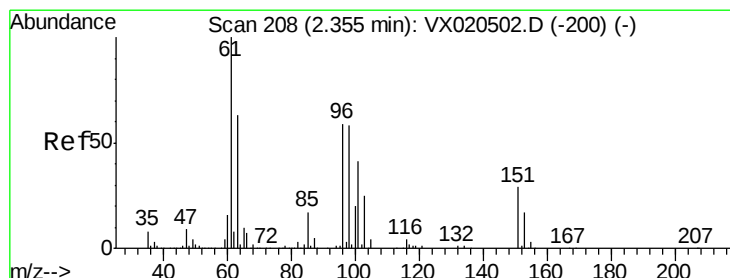
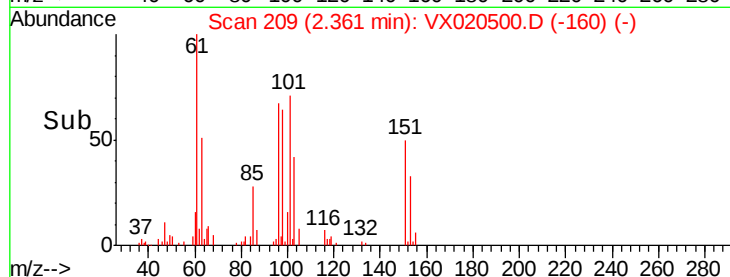
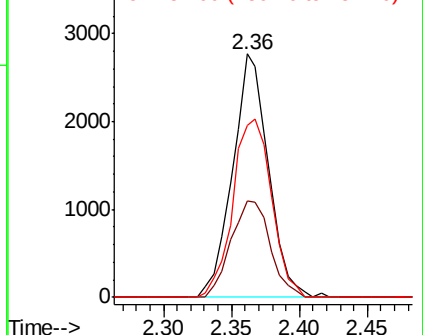
151 79.3 61.0 91.6



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: 0.520 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

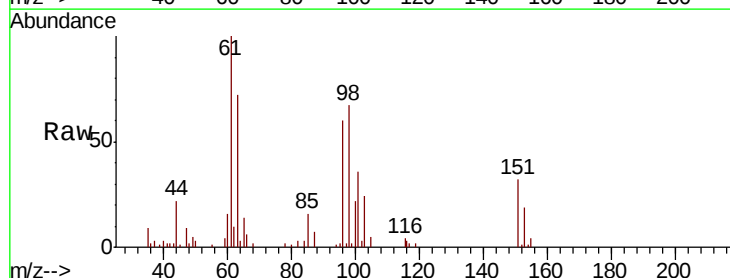
Tgt Ion: 96 Resp: 4991

Ion Ratio Lower Upper

96 100

61 166.3 118.2 219.6

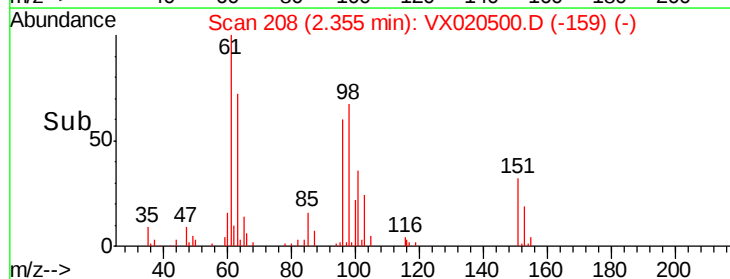
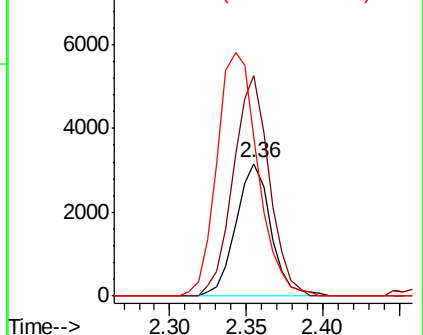
63 120.5 74.2 137.8

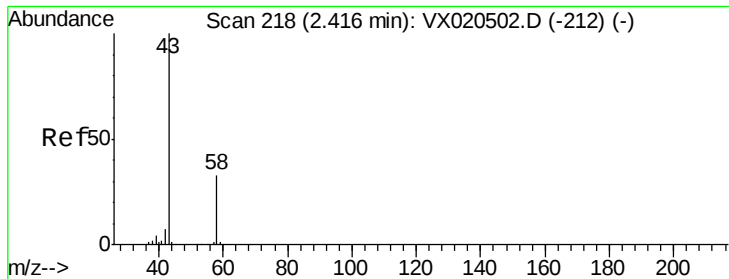


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0

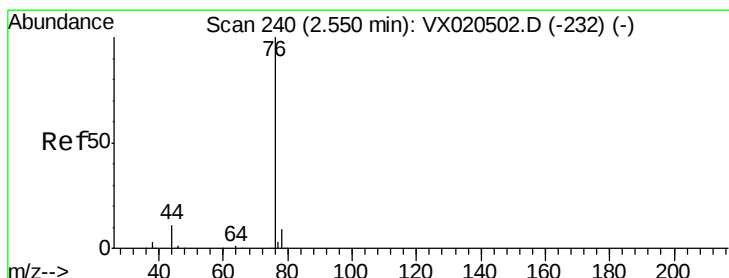
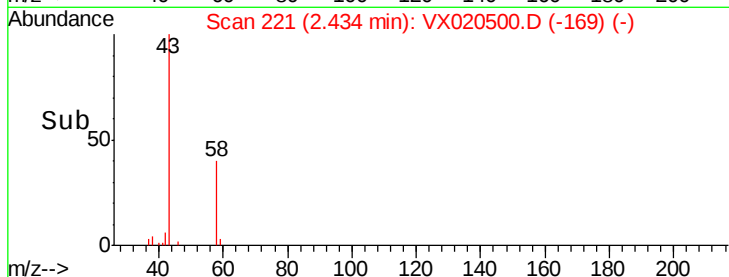
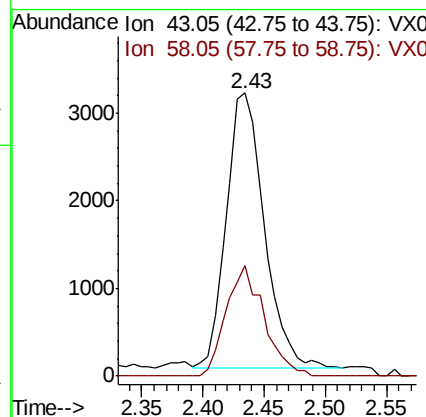
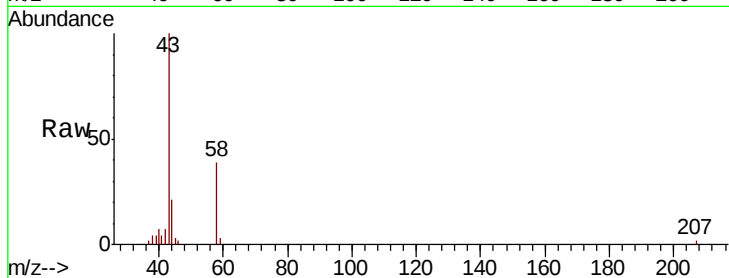




#13
Acetone
Concen: 5.510 ug/L
RT: 2.43 min Scan# 221
Delta R.T. 0.02 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

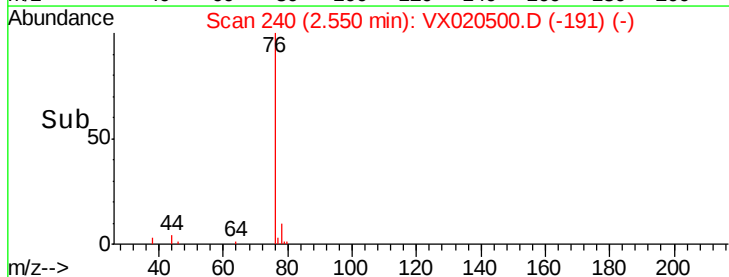
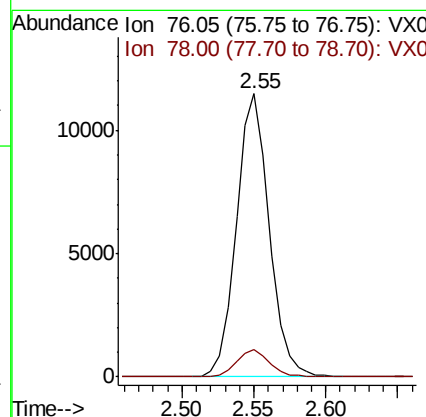
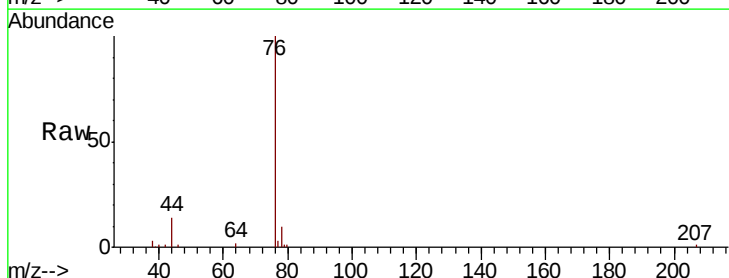
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5302

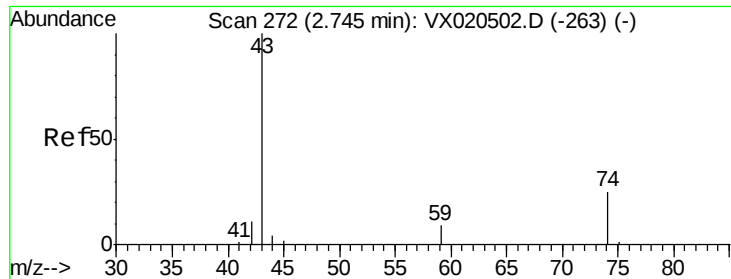
Tot Ion: 43 Resp: 6792
Ion Ratio Lower Upper
43 100
58 40.0 0.0 70.4



#14
Carbon disulfide
Concen: 0.599 ug/L
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Tgt Ion: 76 Resp: 18179
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6

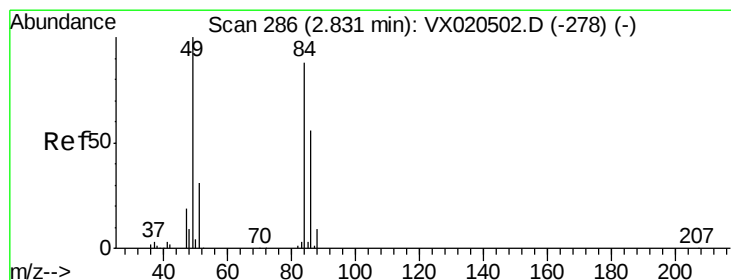
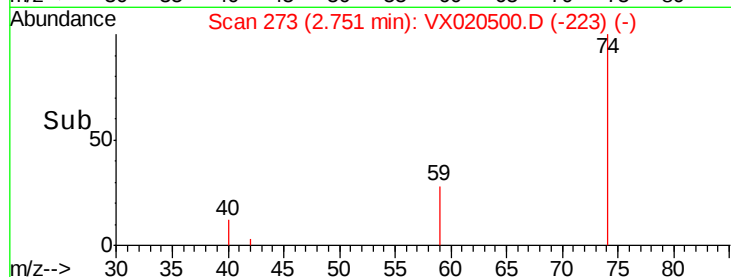
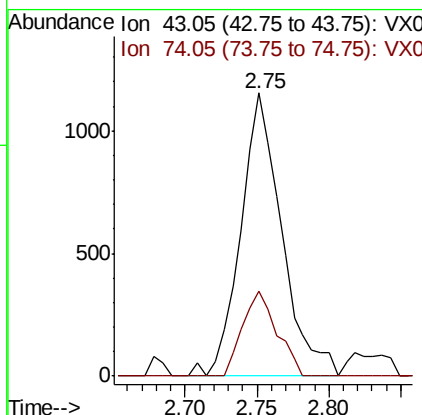
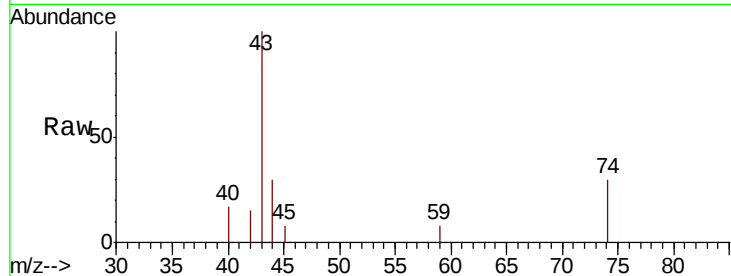




#15
Methyl Acetate
Concen: 0.695 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

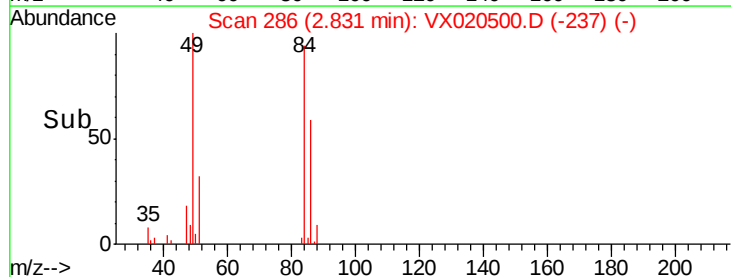
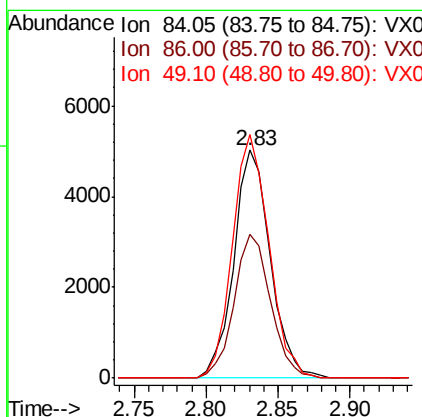
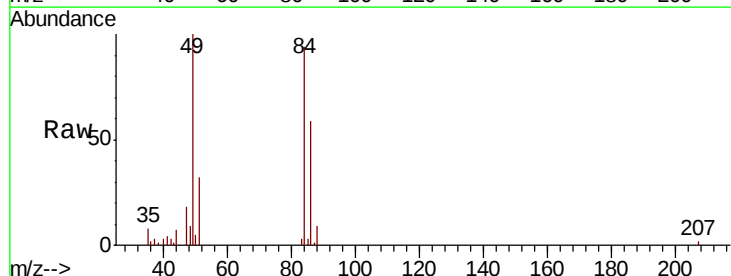
Instrument :
MSVOA_X
ClientSampled :
VSTD0.5302

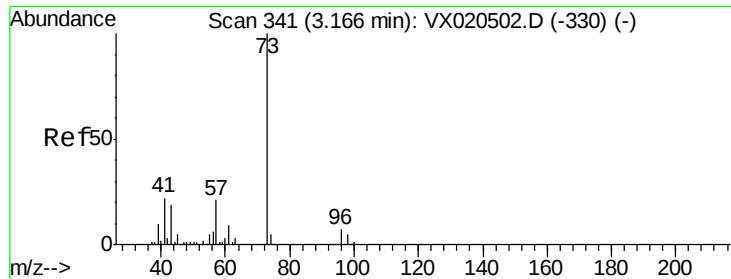
Tot Ion: 43 Resp: 2276
Ion Ratio Lower Upper
43 100
74 25.0 21.1 31.7



#16
Methylene chloride
Concen: 0.765 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Tgt Ion: 84 Resp: 8845
Ion Ratio Lower Upper
84 100
86 63.3 44.6 82.8
49 106.8 79.5 147.6

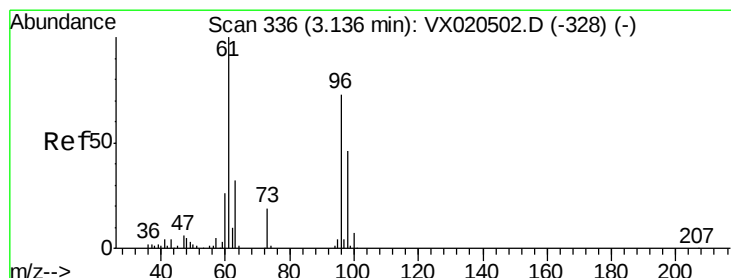
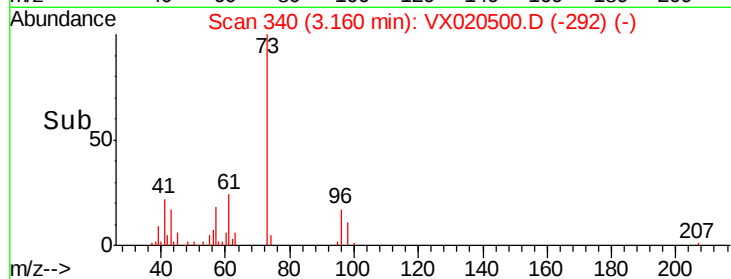
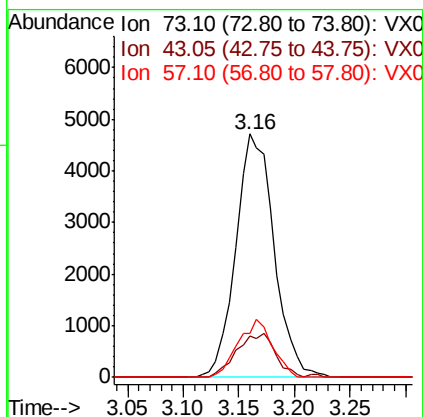
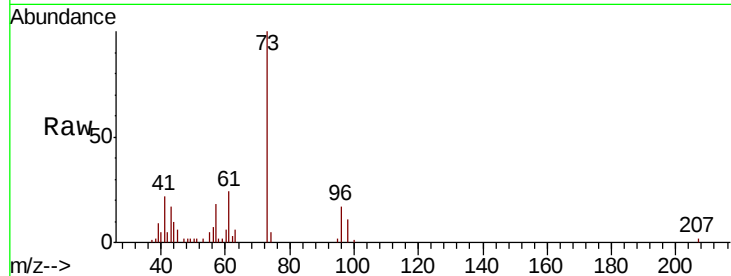




#17
Methvl tert-butvl Ether
Concen: 0.498 ug/L
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

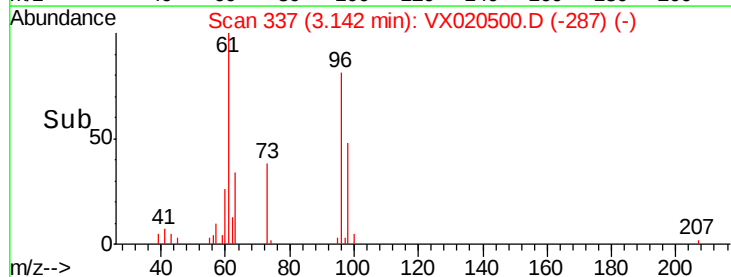
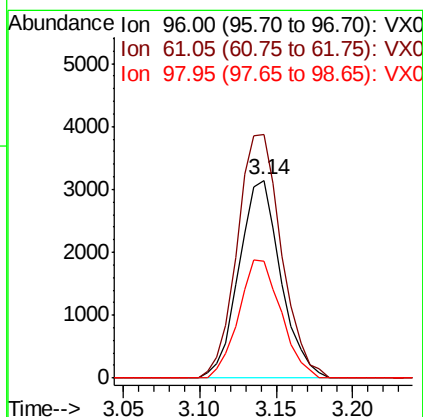
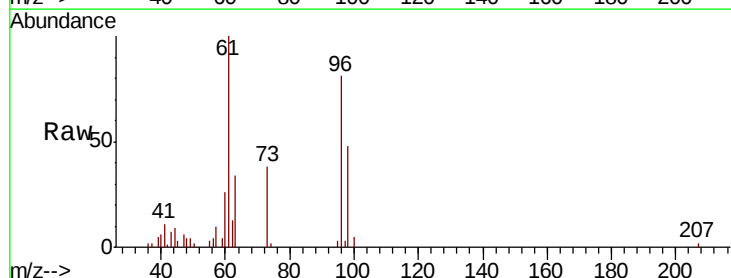
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5302

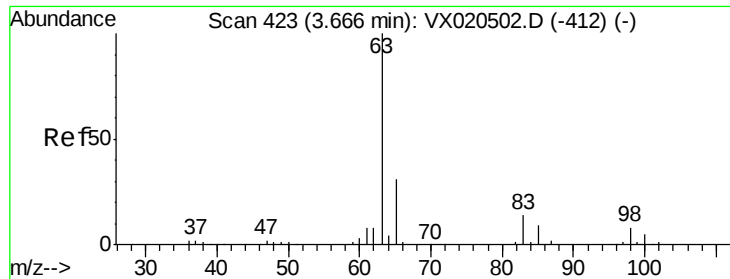
Tot Ion: 73 Resp: 11239
Ion Ratio Lower Upper
73 100
43 18.2 15.1 22.7
57 21.2 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.586 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Tgt Ion: 96 Resp: 5964
Ion Ratio Lower Upper
96 100
61 122.9 95.4 177.2
98 59.1 44.2 82.2

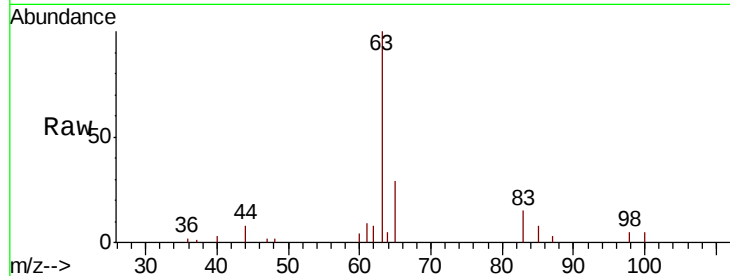




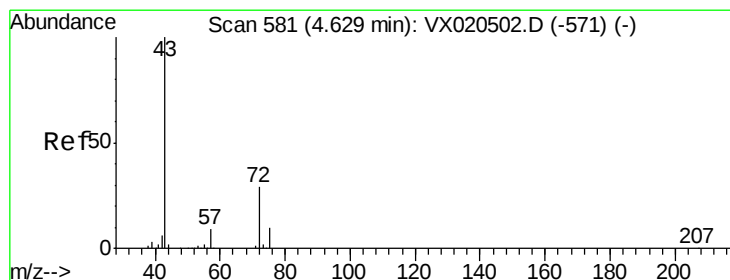
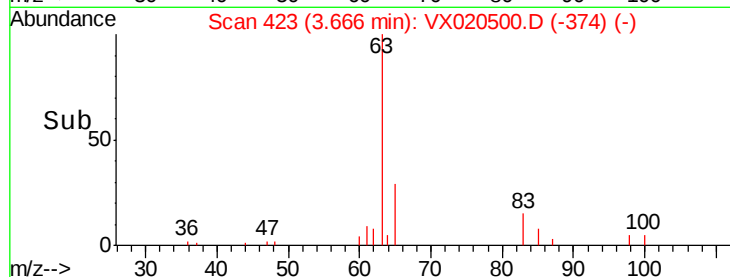
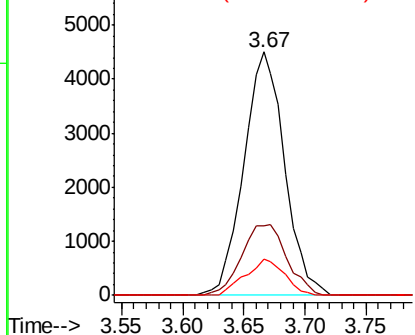
#19
 1,1-Dichloroethane
 Concen: 0.593 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

Tot Ion: 63 Resp: 10416
 Ion Ratio Lower Upper
 63 100
 65 28.7 21.8 40.6
 83 14.9 9.6 17.8

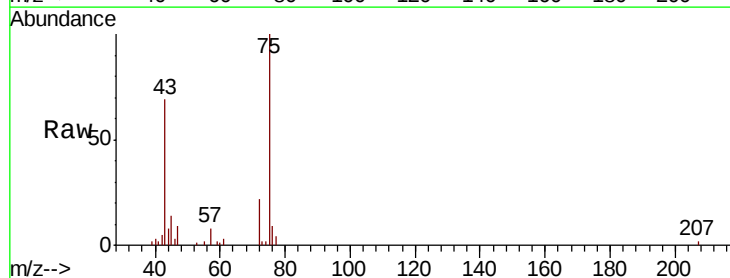


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

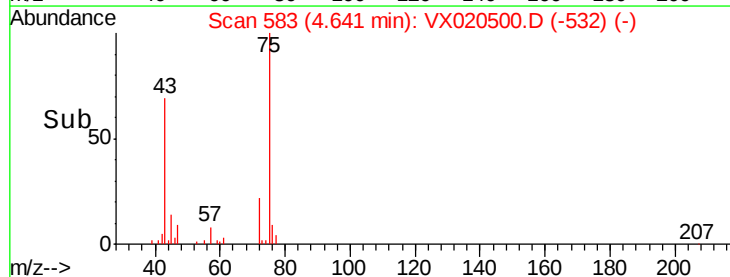
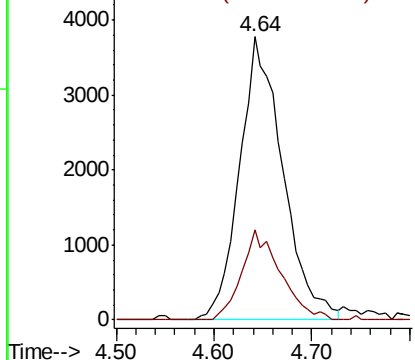


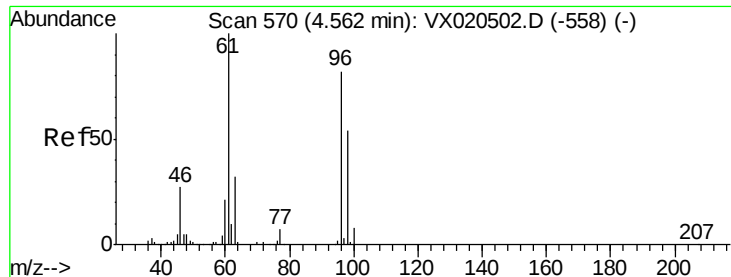
#21
 2-Butanone
 Concen: 5.434 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Tgt Ion: 43 Resp: 11608
 Ion Ratio Lower Upper
 43 100
 72 28.6 14.8 44.4



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



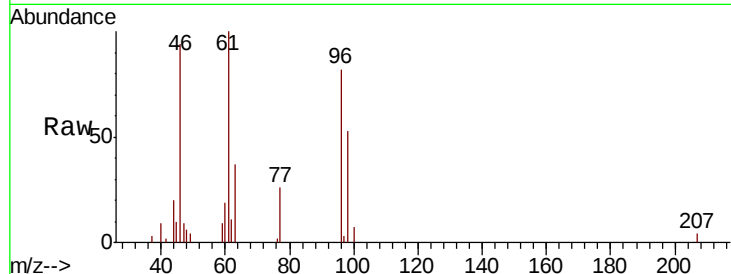


#22

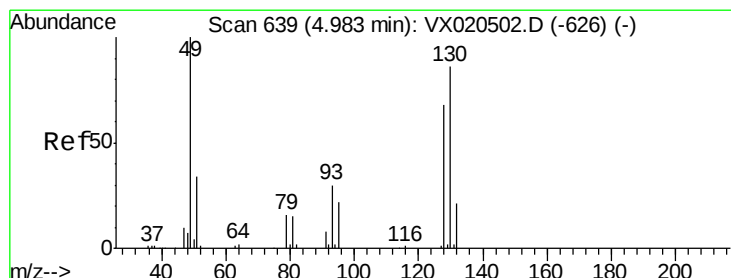
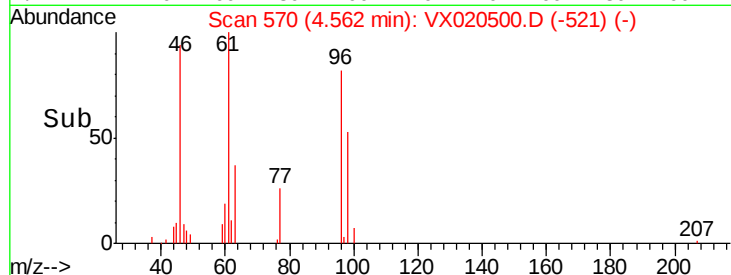
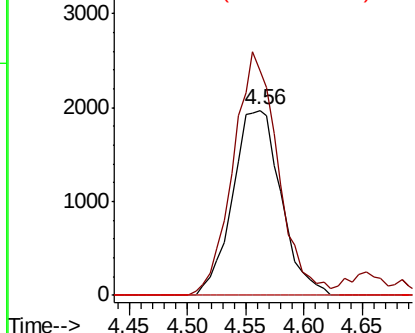
cis-1,2-Dichloroethene
 Concen: 0.525 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

Tot Ion: 96 Resp: 5702
 Ion Ratio Lower Upper
 96 100
 61 121.7 85.9 159.5
 68 0.0 0.0 0.0



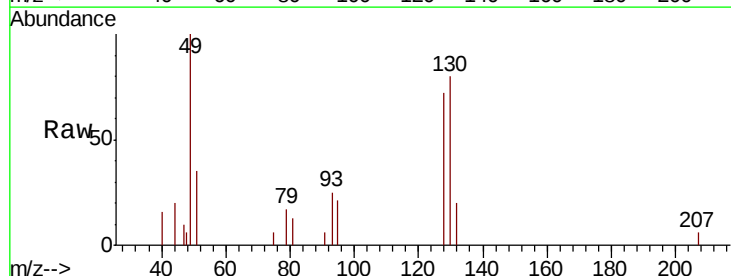
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



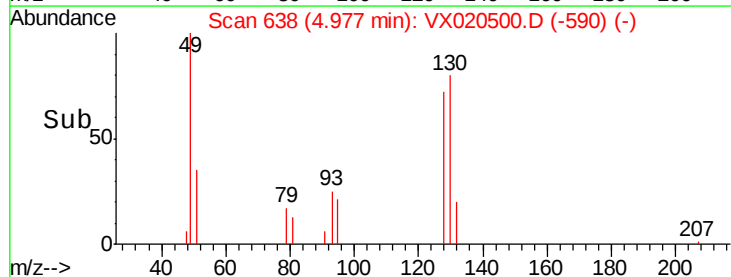
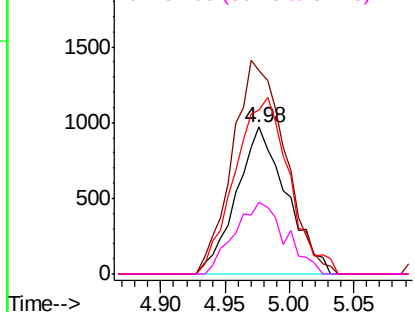
#23

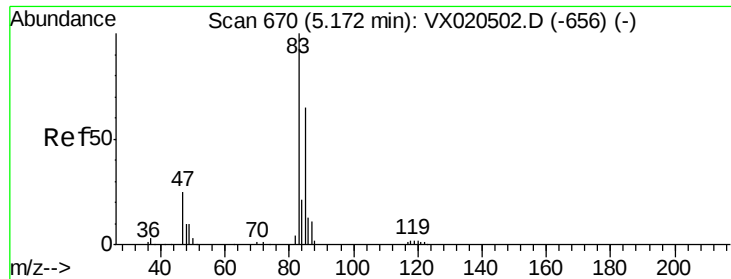
Bromochloromethane
 Concen: 0.581 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Tgt Ion:128 Resp: 2636
 Ion Ratio Lower Upper
 128 100
 49 138.4 103.2 191.6
 130 111.1 89.1 165.5
 51 48.5 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: 0.592 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

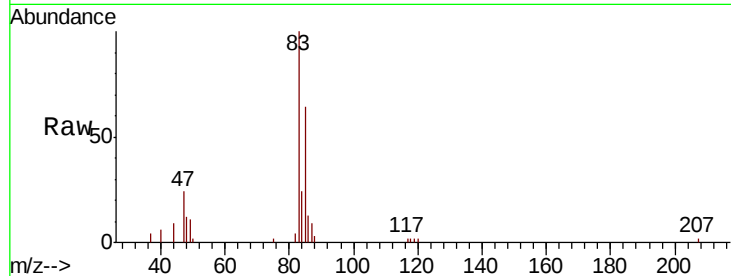
VSTD0.5302

Tot Ion: 83 Resp: 10873

Ion Ratio Lower Upper

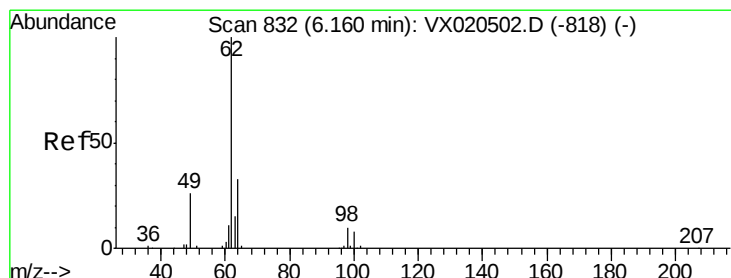
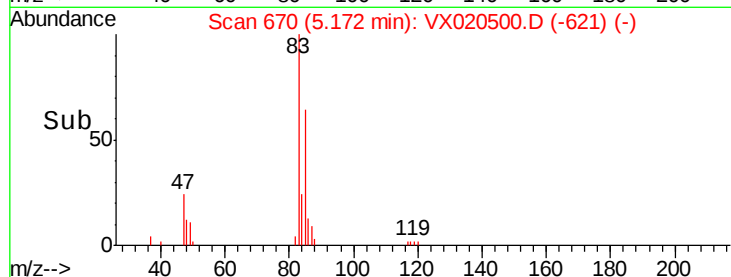
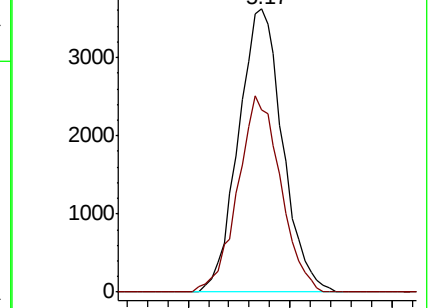
83 100

85 64.4 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: 0.532 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX020500.D

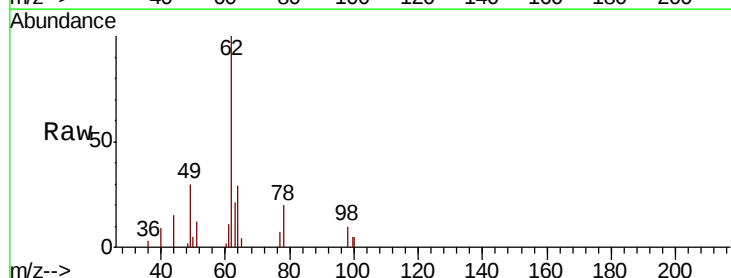
Acq: 05 Jan 2021 15:40

Tgt Ion: 62 Resp: 6013

Ion Ratio Lower Upper

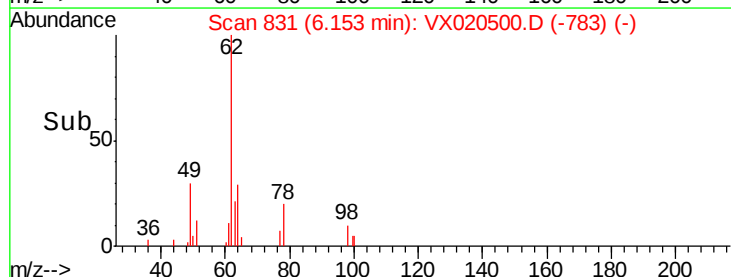
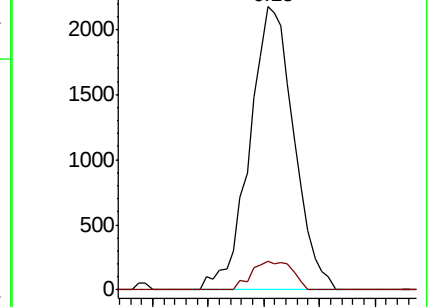
62 100

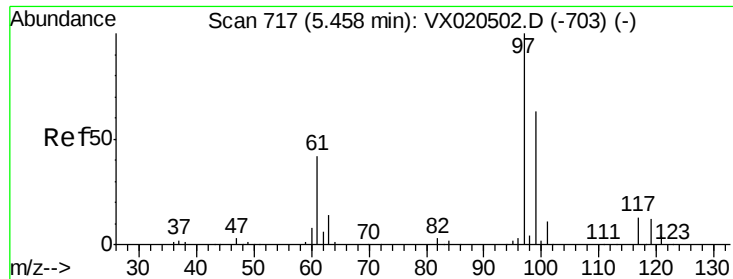
98 10.2 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

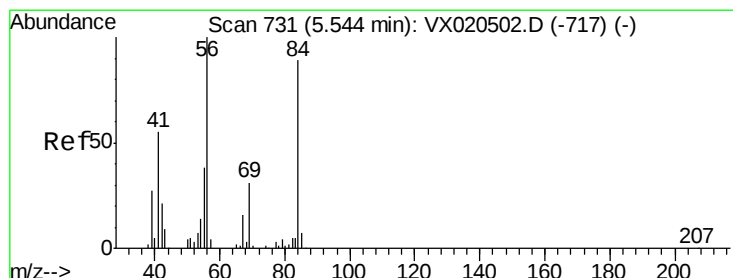
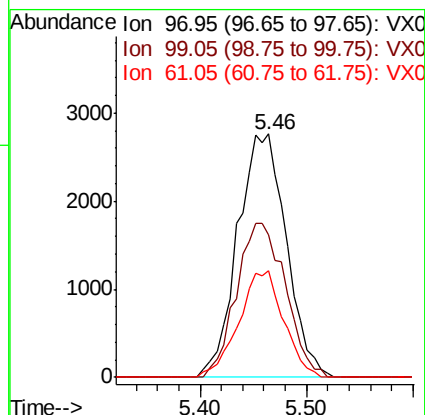
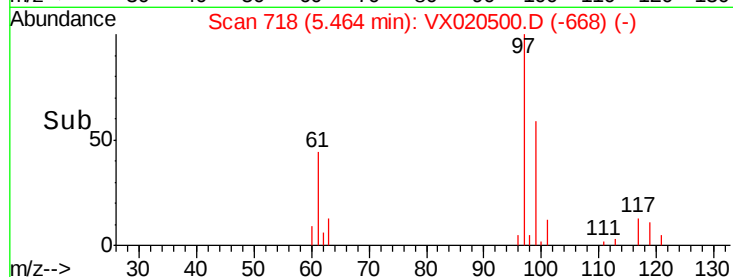
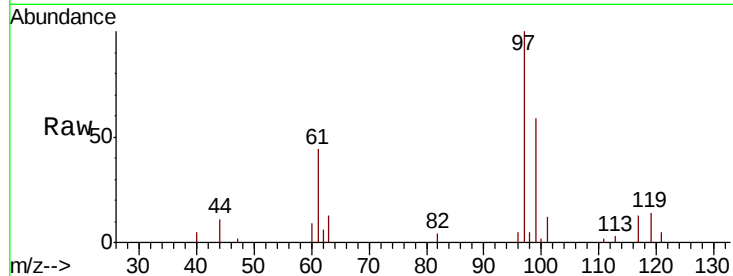




#29
 1,1,1-Trichloroethane
 Concen: 0.489 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

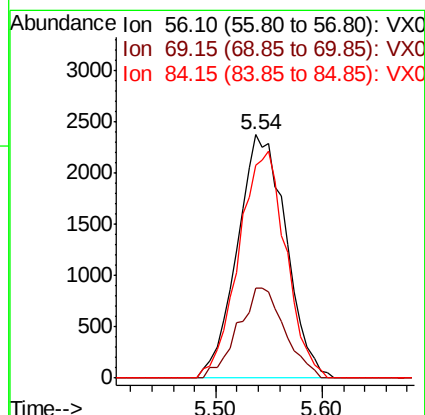
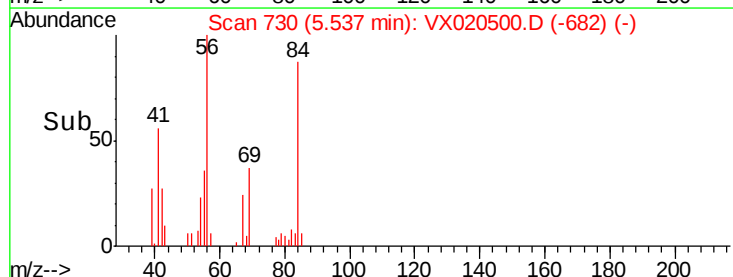
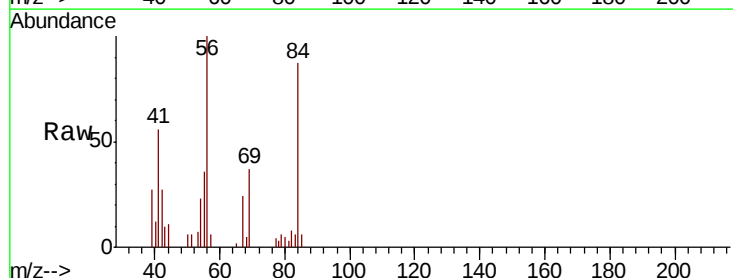
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

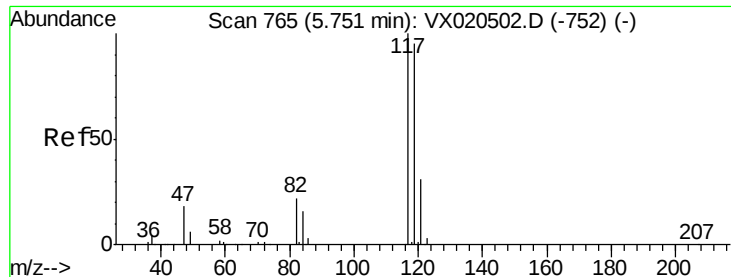
Tot Ion: 97 Resp: 8839
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.2 76.8
 61 40.3 35.3 52.9



#30
 Cyclohexane
 Concen: 0.426 ug/L
 RT: 5.54 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Tgt Ion: 56 Resp: 7612
 Ion Ratio Lower Upper
 56 100
 69 35.4 25.8 38.6
 84 90.1 72.4 108.6





#31

Carbon tetrachloride

Concen: 0.489 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

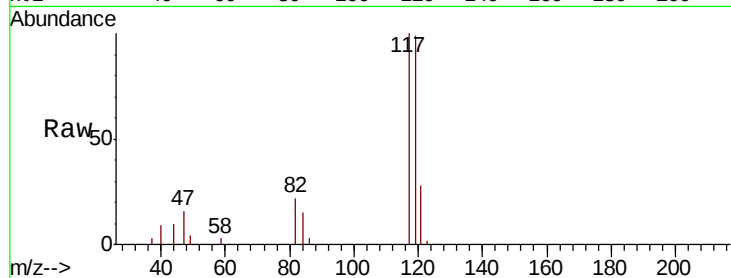
VSTD0.5302

Tot Ion:117 Resp: 7583

Ion Ratio Lower Upper

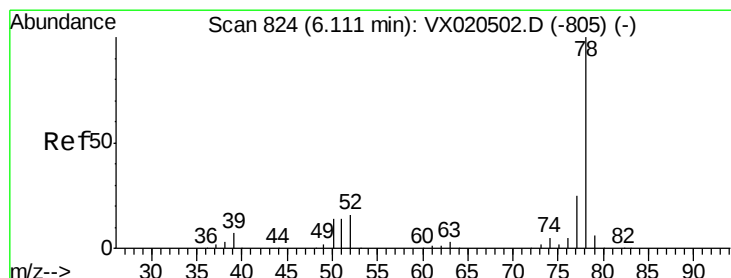
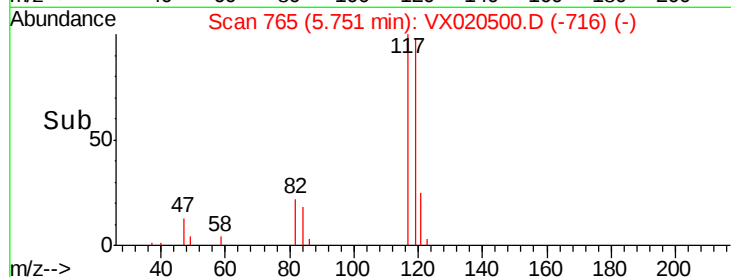
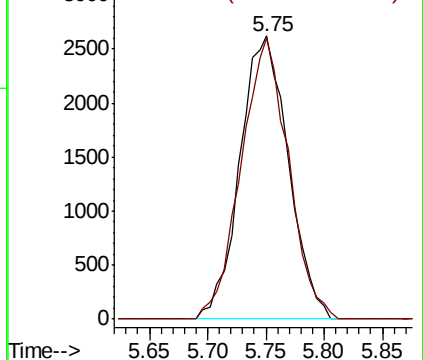
117 100

119 97.4 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: 0.503 ug/L

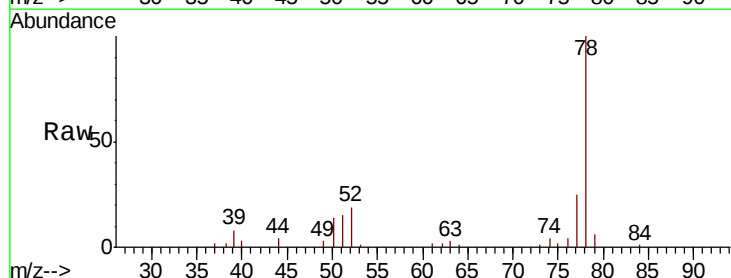
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

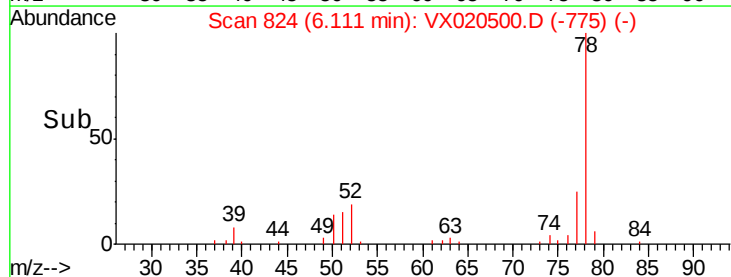
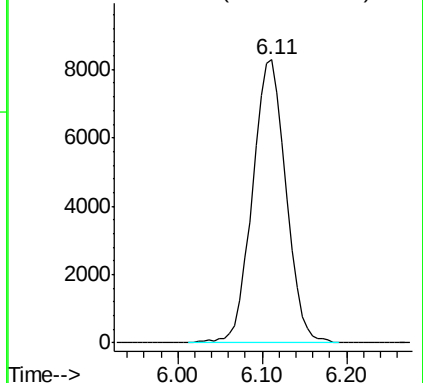
Lab File: VX020500.D

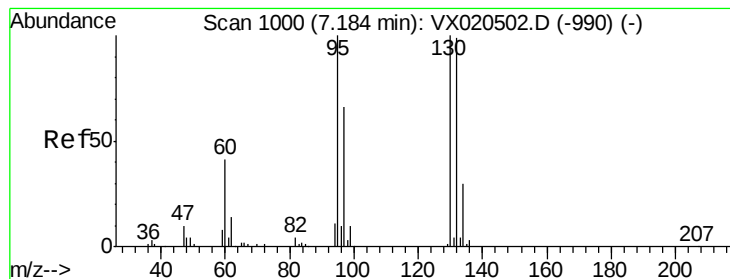
Acq: 05 Jan 2021 15:40

Tgt Ion: 78 Resp: 22496



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 0.508 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5302

Tot Ion: 95 Resp: 6070

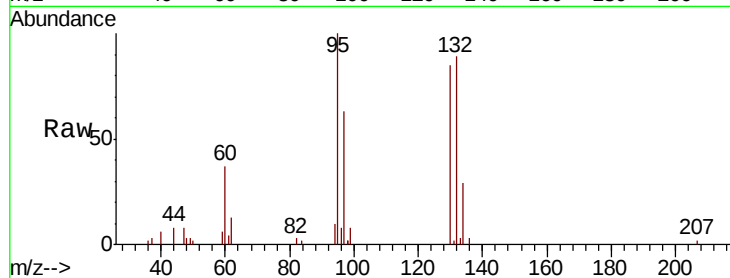
Ion Ratio Lower Upper

95 100

97 62.7 46.0 85.4

132 89.4 69.0 128.1

130 85.1 69.7 129.4



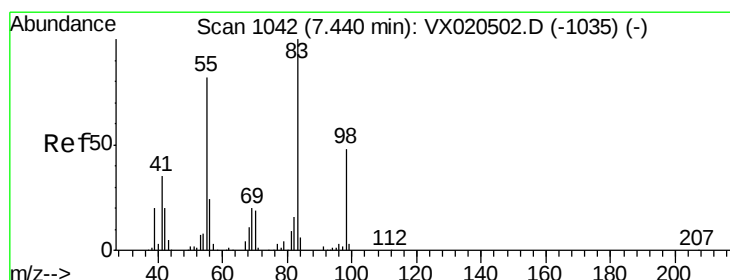
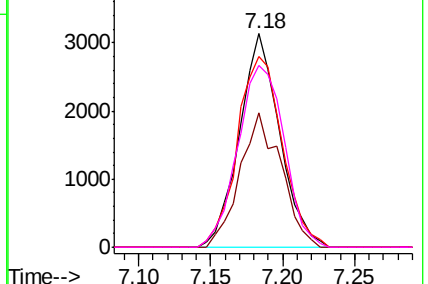
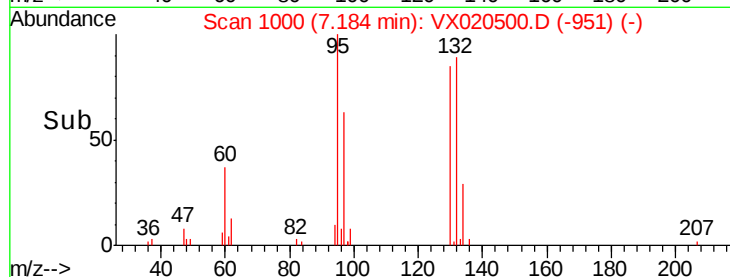
Abundance

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: 0.420 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

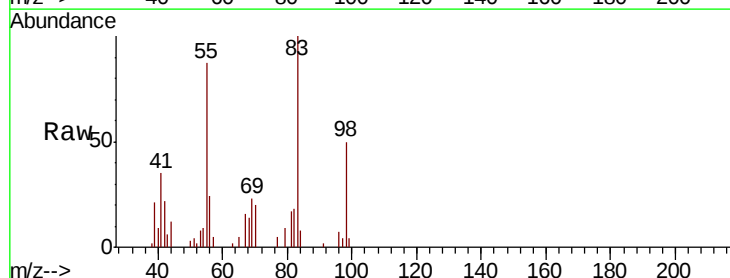
Tgt Ion: 83 Resp: 8063

Ion Ratio Lower Upper

83 100

55 81.8 63.4 95.0

98 49.0 39.2 58.8

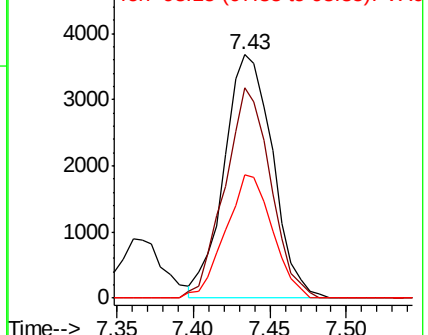
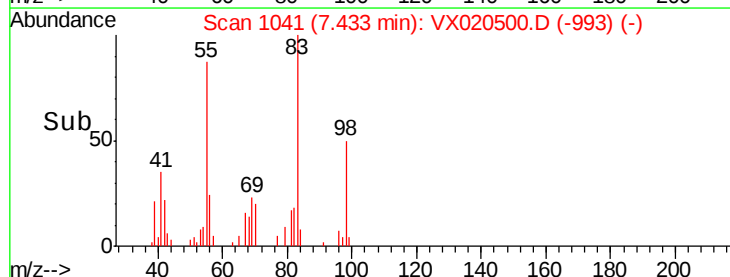


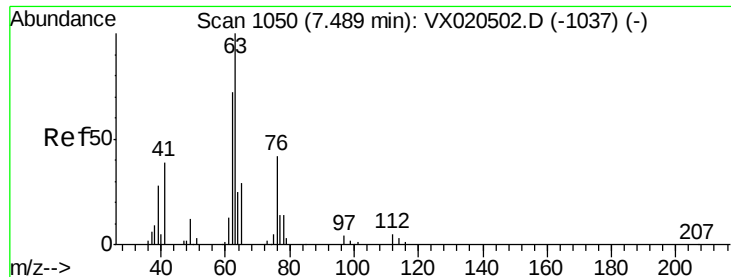
Abundance

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: 0.545 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

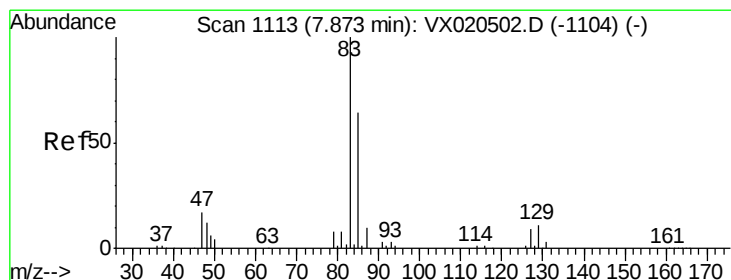
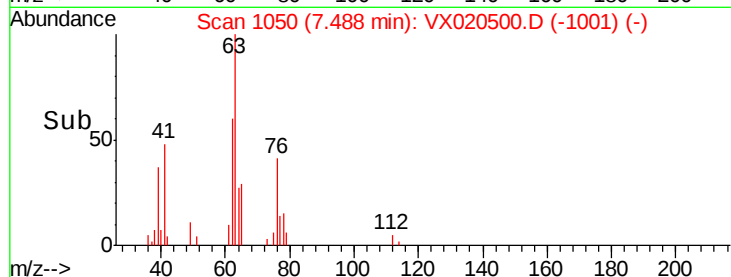
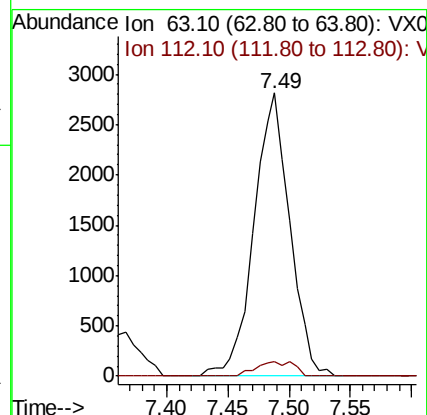
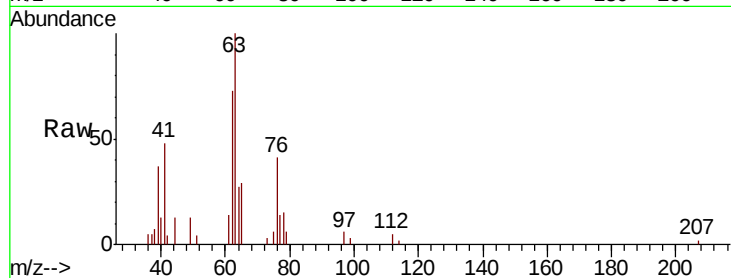
VSTD0.5302

Tot Ion: 63 Resp: 5751

Ion Ratio Lower Upper

63 100

112 5.5 3.9 5.9



#38

Bromodichloromethane

Concen: 0.503 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

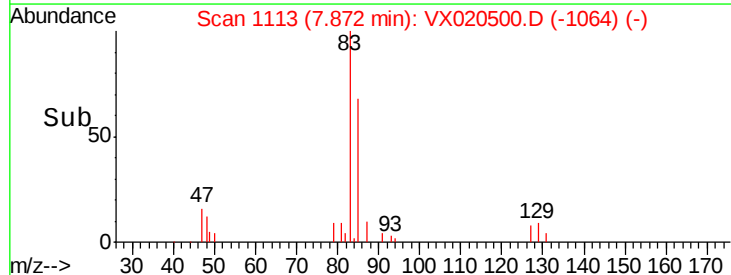
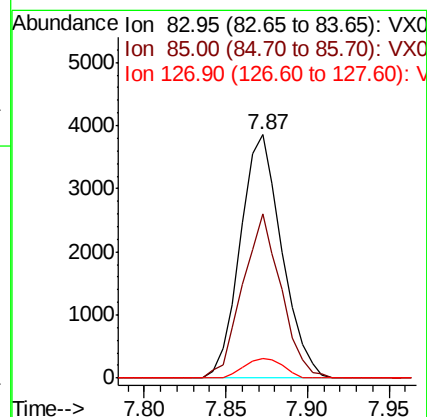
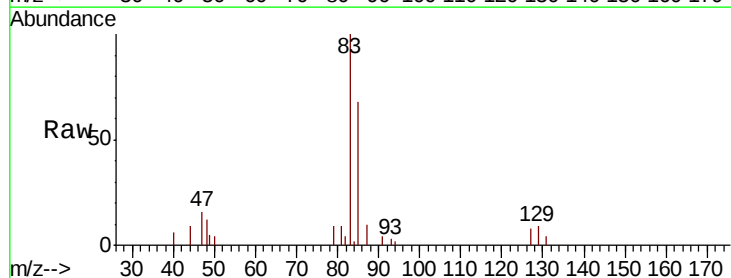
Tgt Ion: 83 Resp: 6812

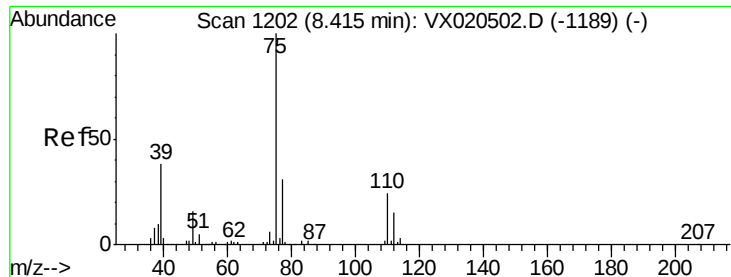
Ion Ratio Lower Upper

83 100

85 67.7 44.6 82.8

127 8.0 7.0 10.4

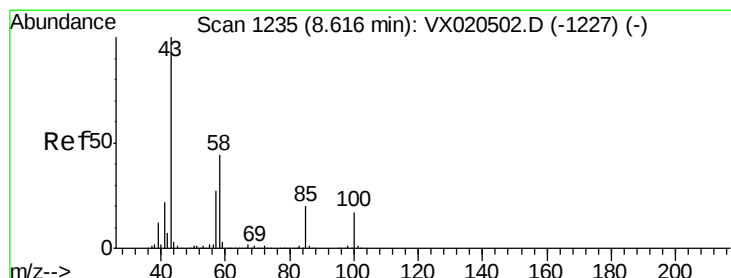
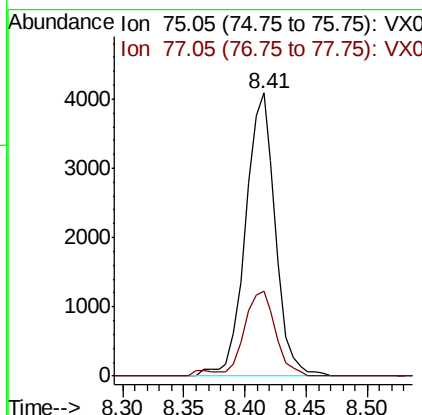
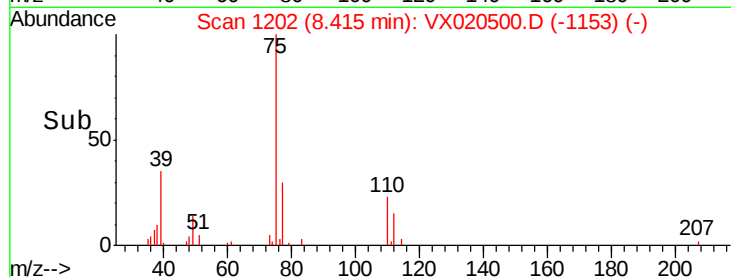
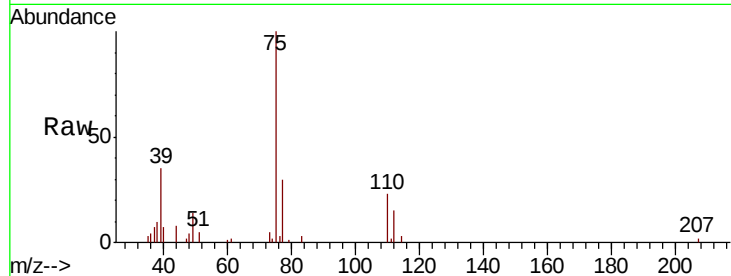




#39
 cis-1,3-Dichloropropene
 Concen: 0.441 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

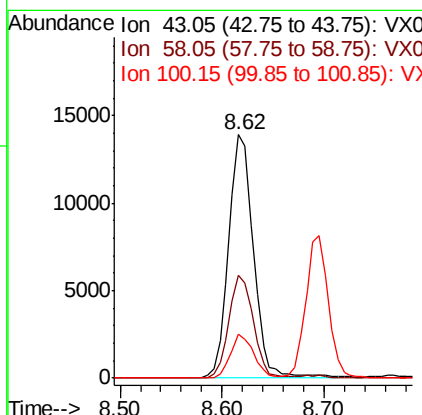
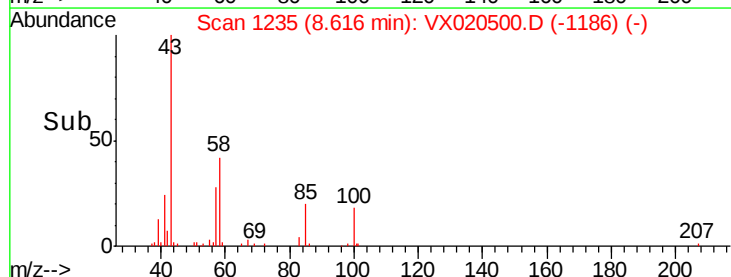
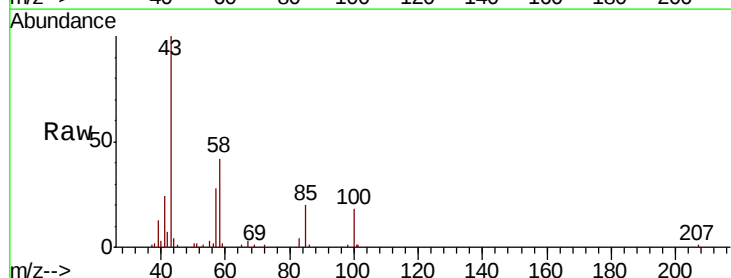
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

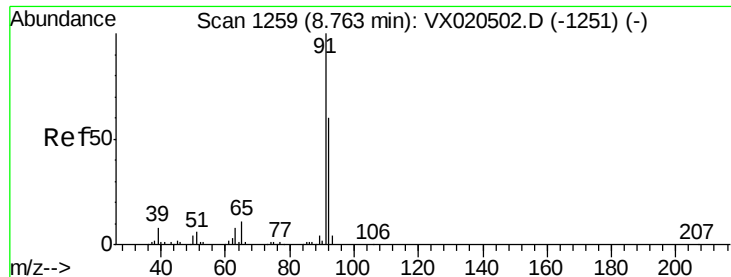
Tot Ion: 75 Resp: 6929
 Ion Ratio Lower Upper
 75 100
 77 30.1 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 4.227 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Tgt Ion: 43 Resp: 23469
 Ion Ratio Lower Upper
 43 100
 58 41.2 35.0 52.4
 100 16.8 14.3 21.5





#42

Toluene

Concen: 0.449 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

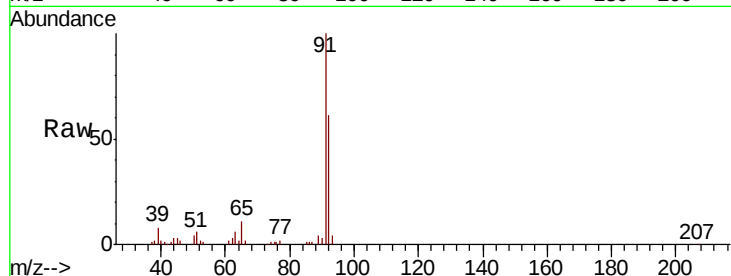
VSTD0.5302

Tot Ion: 91 Resp: 21474

Ion Ratio Lower Upper

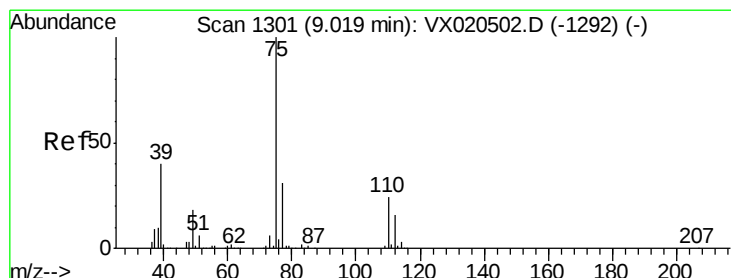
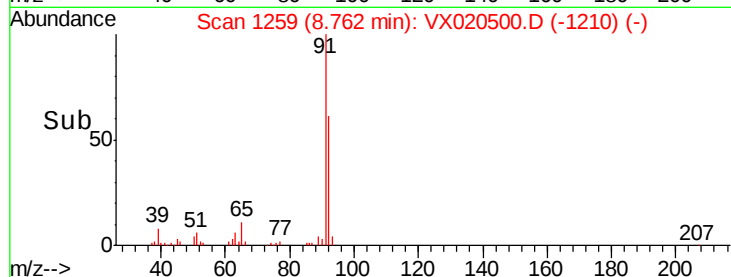
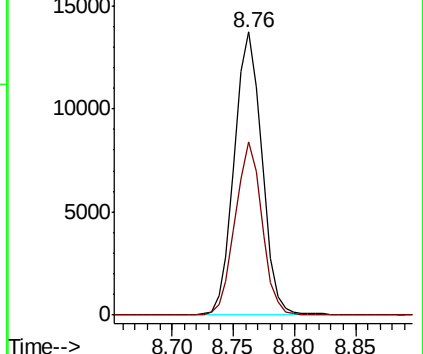
91 100

92 61.0 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: 0.416 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX020500.D

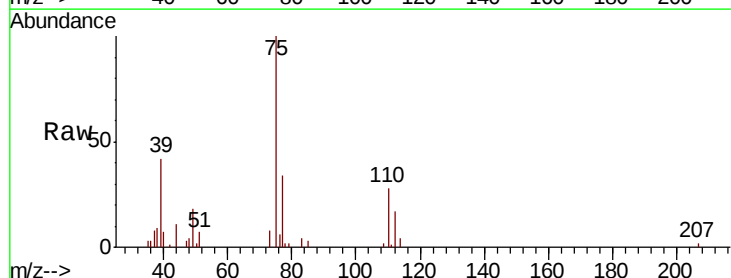
Acq: 05 Jan 2021 15:40

Tgt Ion: 75 Resp: 5501

Ion Ratio Lower Upper

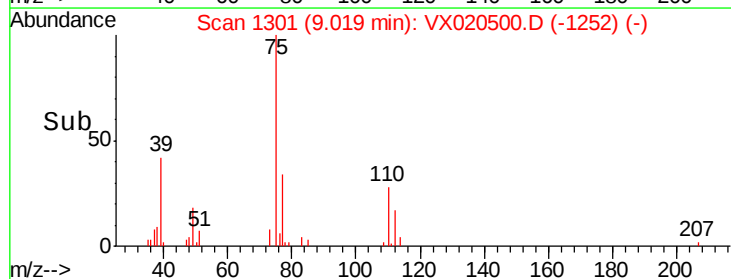
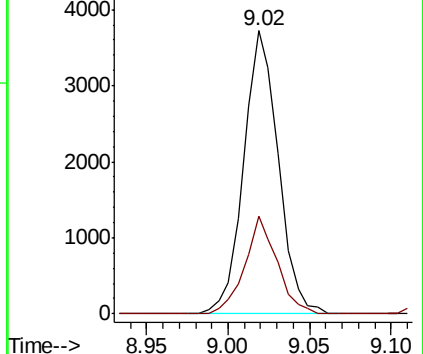
75 100

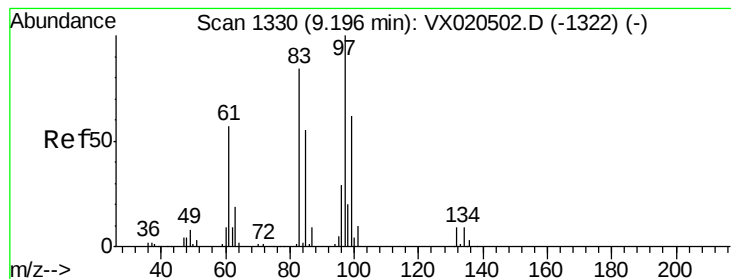
77 34.4 21.7 40.3



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: 0.541 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5302

Tot Ion: 97 Resp: 4121

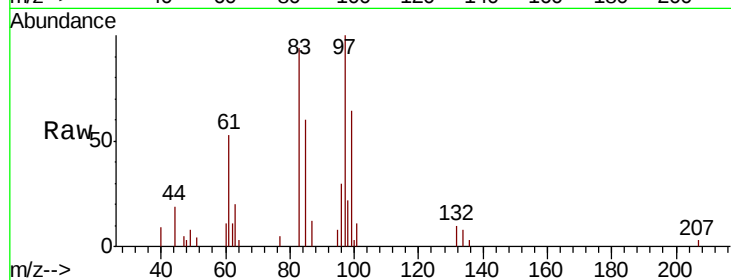
Ion Ratio Lower Upper

97 100

99 64.0 43.4 80.6

83 94.1 58.6 108.8

85 60.0 38.5 71.5



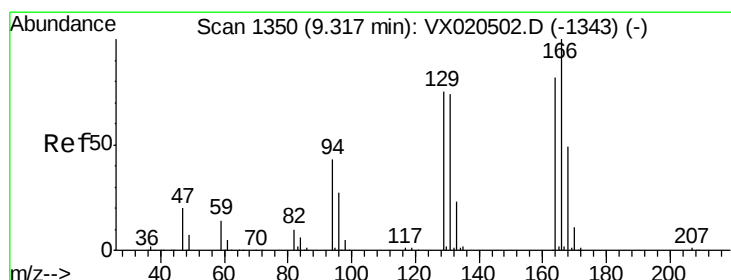
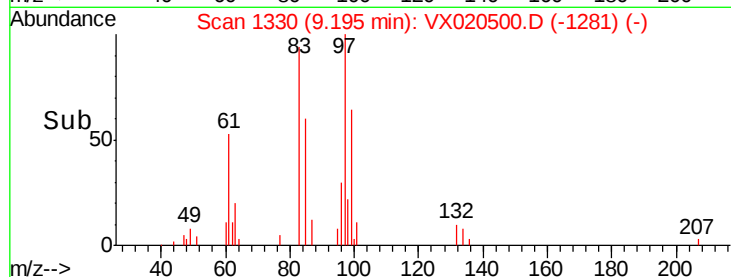
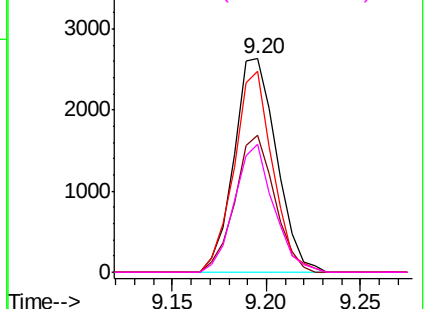
Abundance

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: 0.518 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Tgt Ion: 164 Resp: 4832

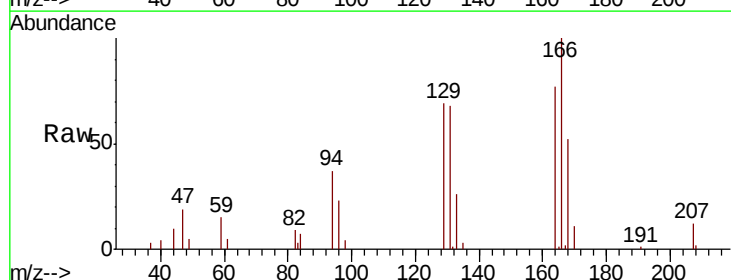
Ion Ratio Lower Upper

164 100

129 90.6 64.5 119.7

131 88.9 63.8 118.6

166 130.6 85.8 159.4



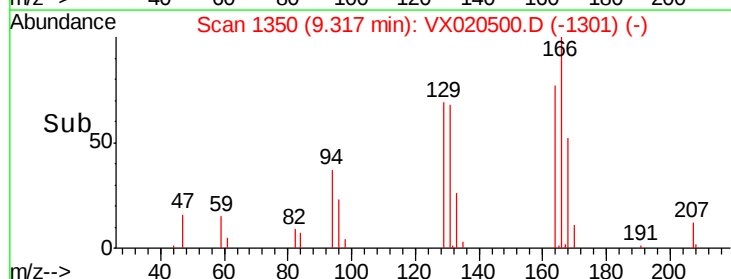
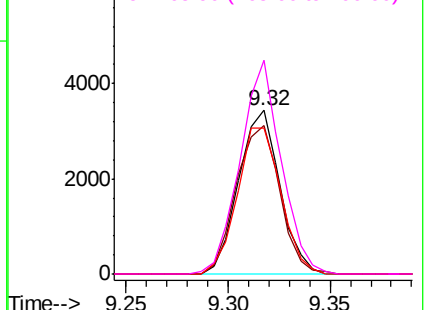
Abundance

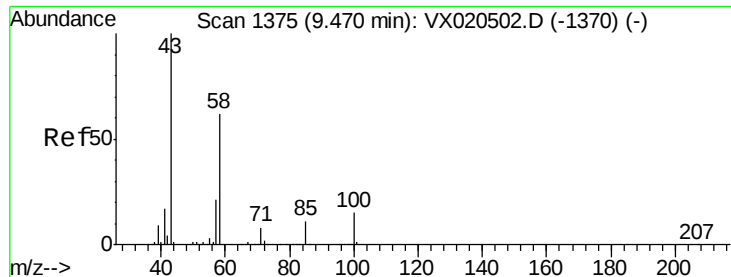
Ion 163.90 (163.60 to 164.60): V

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

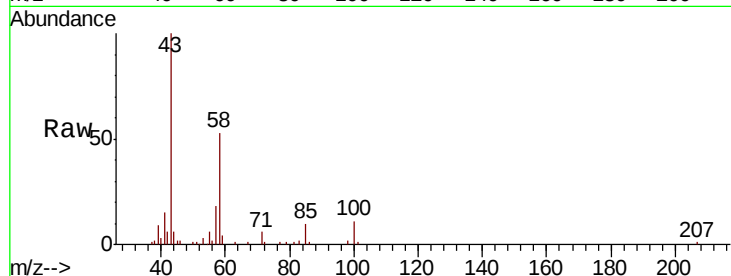




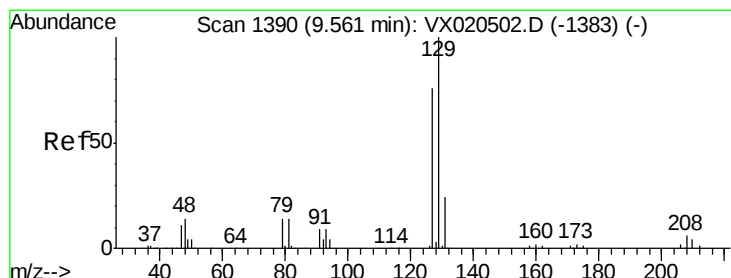
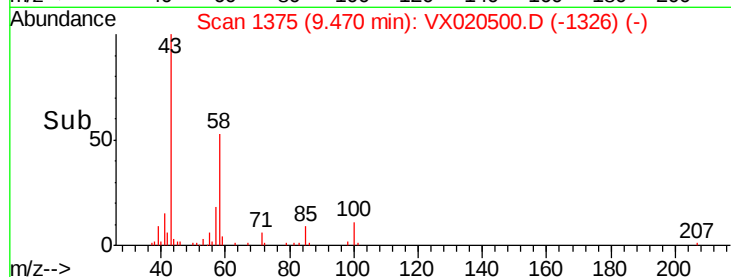
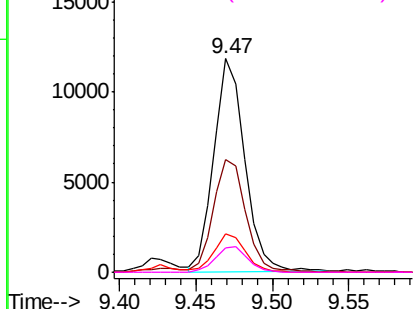
#48
2-Hexanone
Concen: 4.247 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5302

Tot Ion:	43	Resp:	16633
Ion	Ratio	Lower	Upper
43	100		
58	55.9	48.8	73.2
57	18.8	16.6	25.0
100	12.7	11.4	17.2

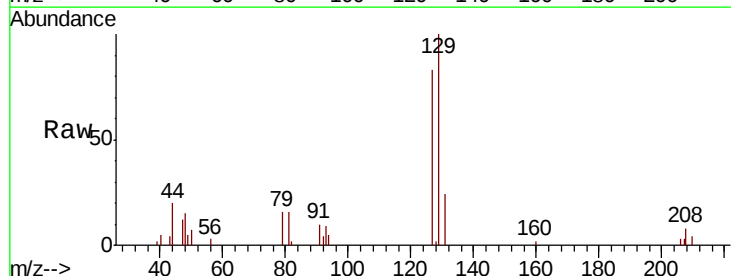


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

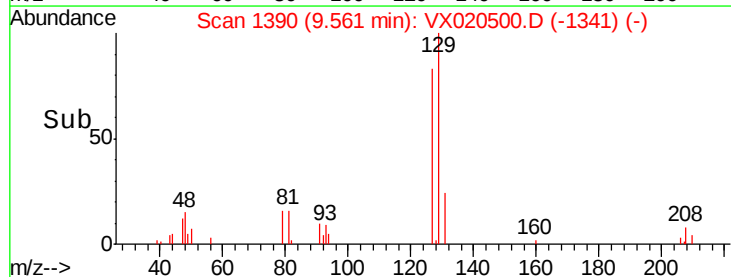
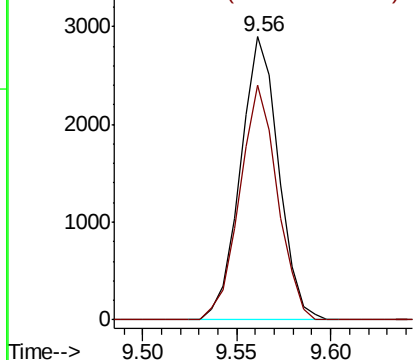


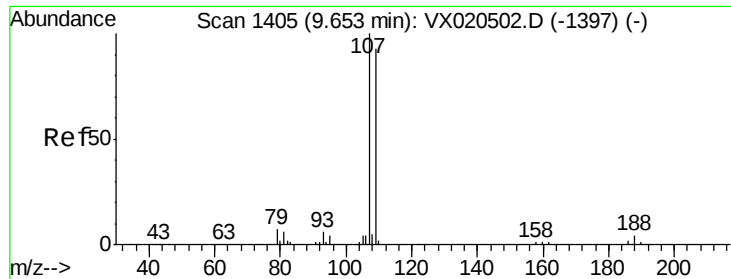
#49
Dibromochloromethane
Concen: 0.462 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Tgt Ion:	129	Resp:	4067
Ion	Ratio	Lower	Upper
129	100		
127	82.7	53.0	98.4



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

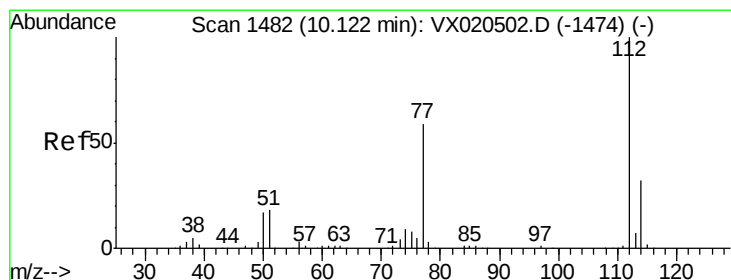
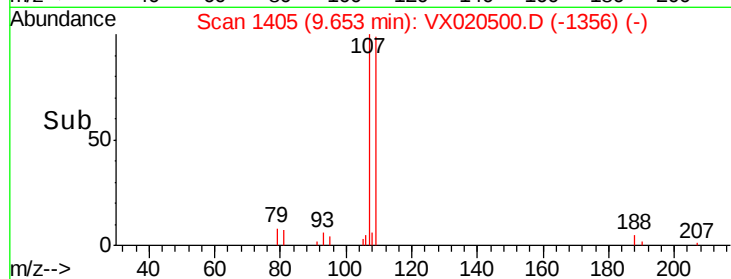
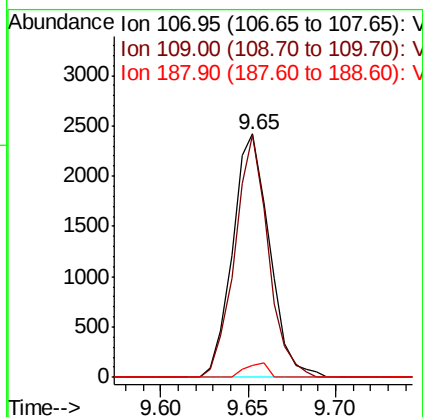
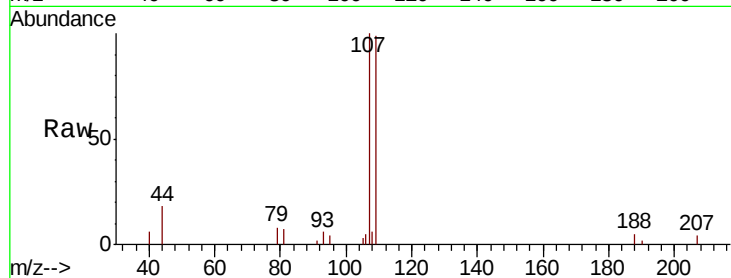




#50
1,2-Dibromoethane
Concen: 0.501 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

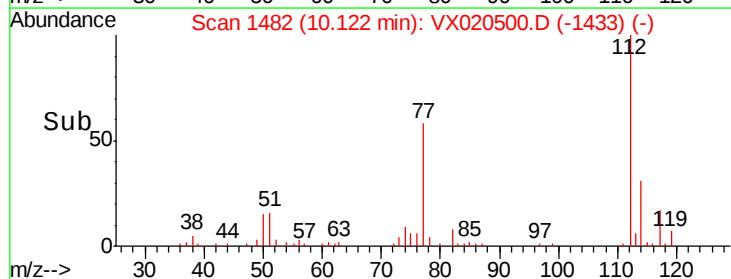
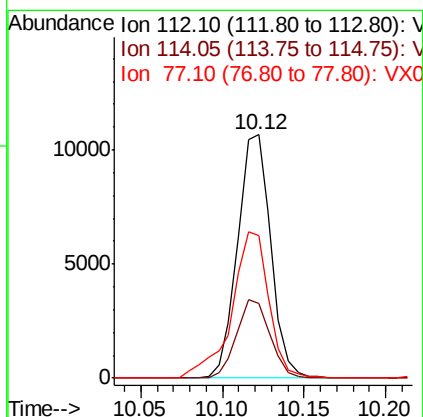
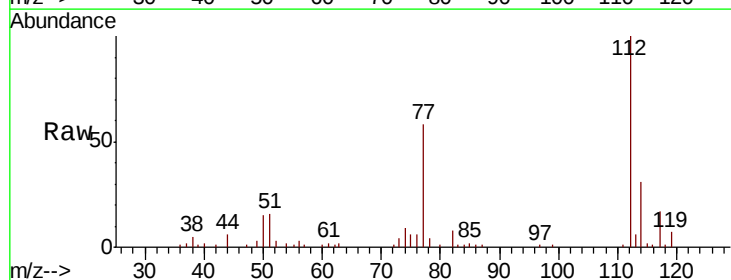
Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5302

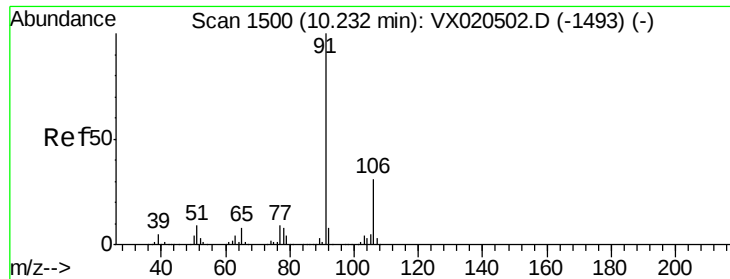
Tot Ion:107 Resp: 3546
Ion Ratio Lower Upper
107 100
109 99.3 65.0 120.8
188 5.1 3.4 5.0#



#51
Chlorobenzene
Concen: 0.505 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Tgt Ion:112 Resp: 15152
Ion Ratio Lower Upper
112 100
114 30.6 22.1 41.1
77 58.4 47.0 70.6





#52

Ethylbenzene

Concen: 0.427 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

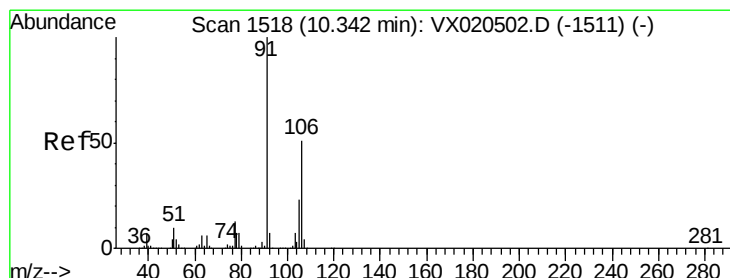
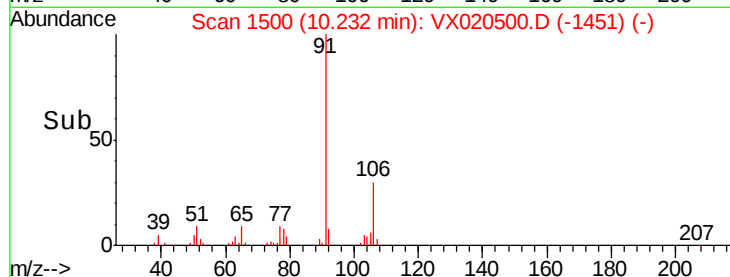
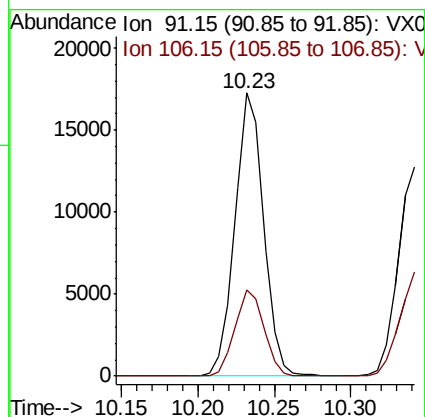
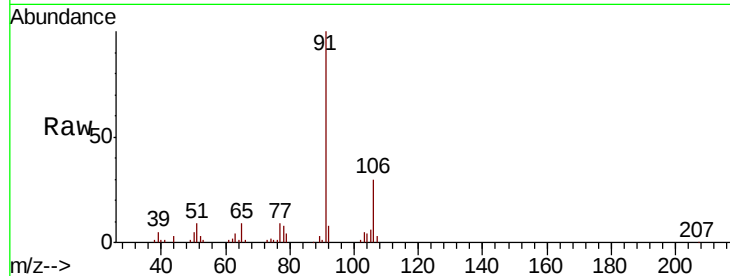
VSTD0.5302

Tot Ion: 91 Resp: 22427

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



#53

m,p-xylene

Concen: 0.400 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020500.D

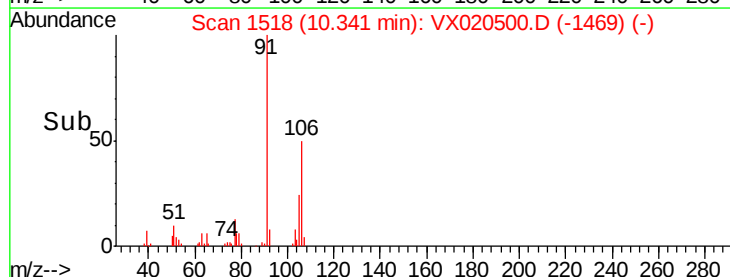
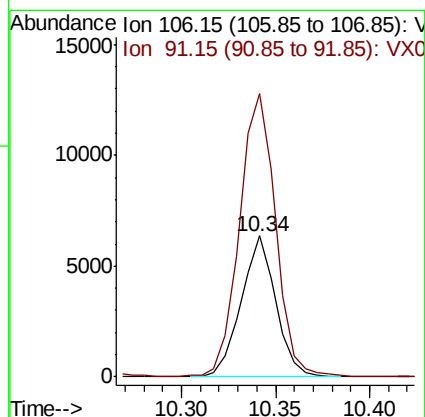
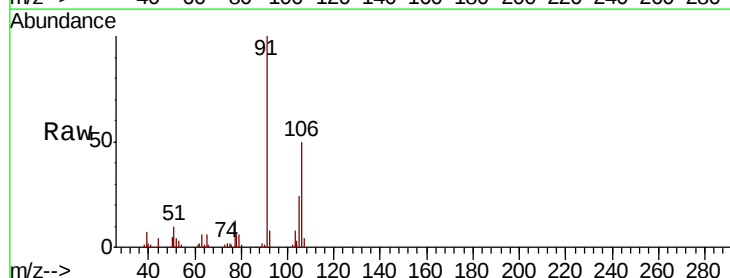
Acq: 05 Jan 2021 15:40

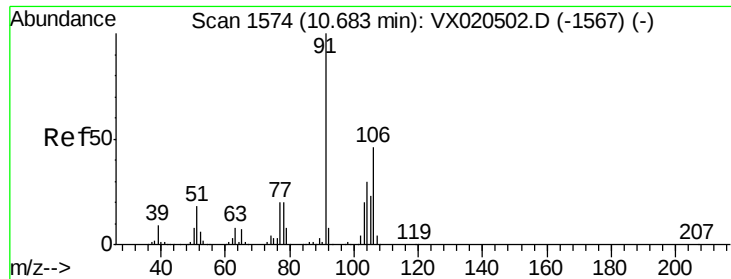
Tgt Ion: 106 Resp: 8091

Ion Ratio Lower Upper

106 100

91 201.0 137.4 255.2





#54

o-xylene

Concen: 0.395 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

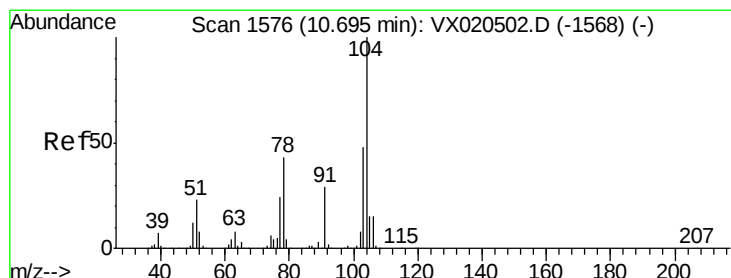
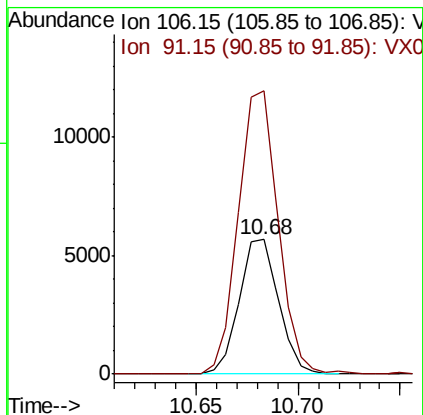
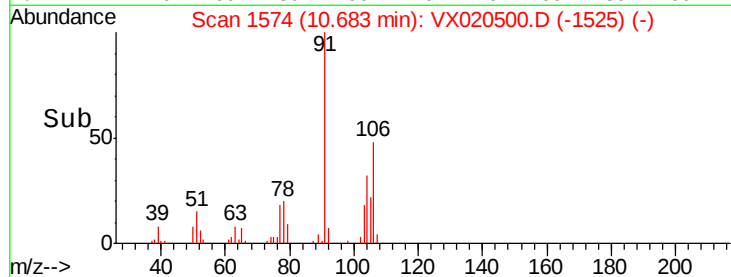
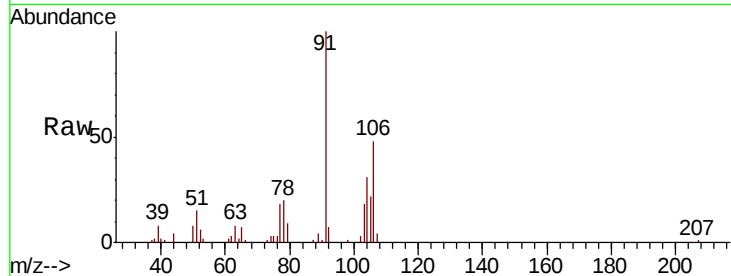
VSTD0.5302

Tot Ion:106 Resp: 7599

Ion Ratio Lower Upper

106 100

91 210.2 151.1 280.7



#55

Styrene

Concen: 0.383 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX020500.D

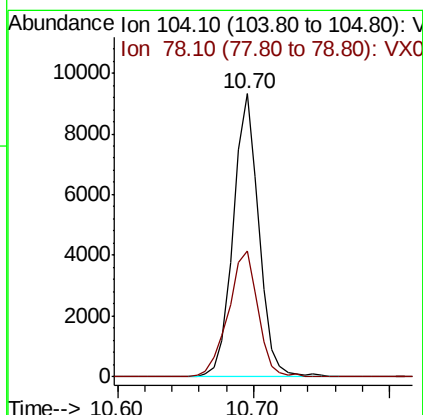
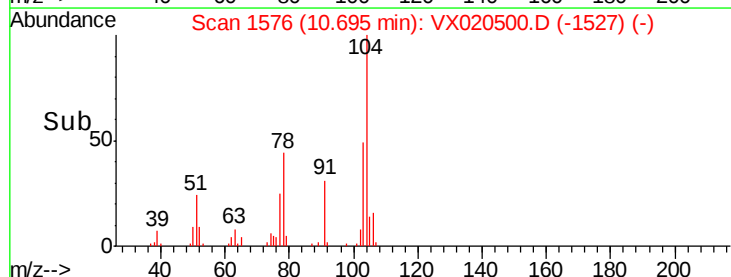
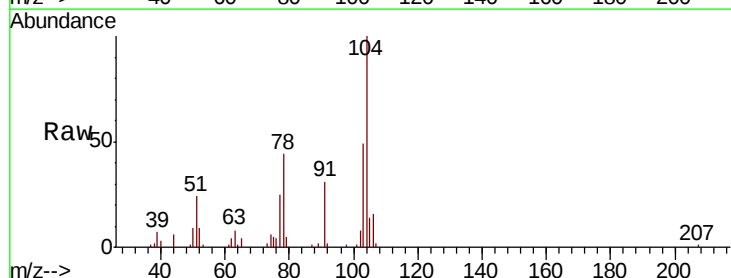
Acq: 05 Jan 2021 15:40

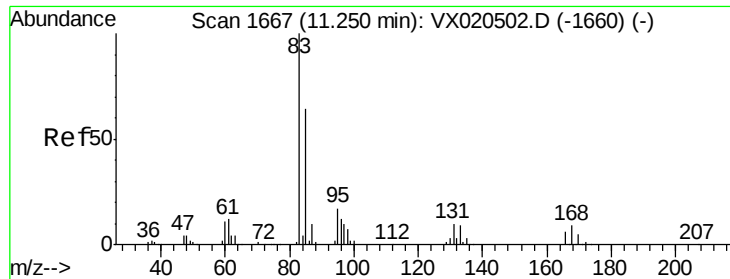
Tgt Ion:104 Resp: 12195

Ion Ratio Lower Upper

104 100

78 44.4 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.515 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5302

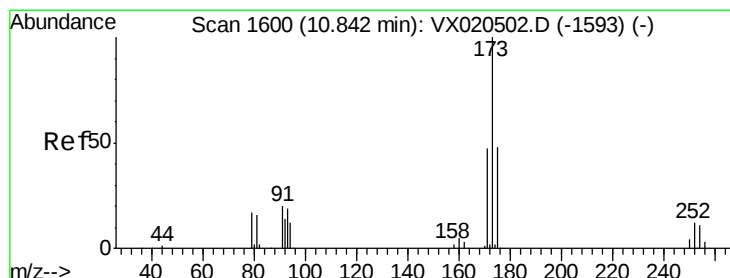
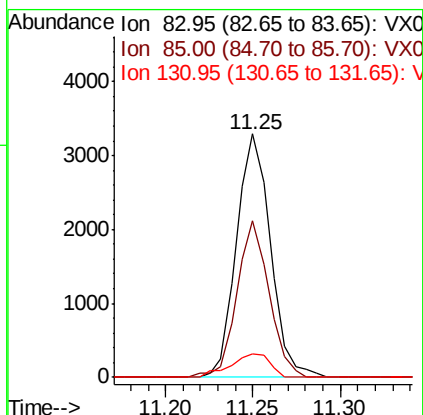
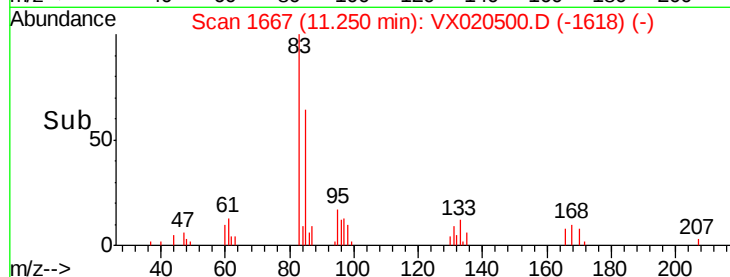
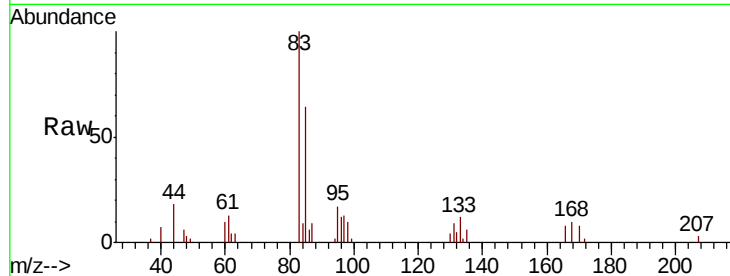
Tot Ion: 83 Resp: 4459

Ion Ratio Lower Upper

83 100

85 64.3 44.6 82.8

131 9.4 8.2 12.2



#59

Bromoform

Concen: 0.484 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

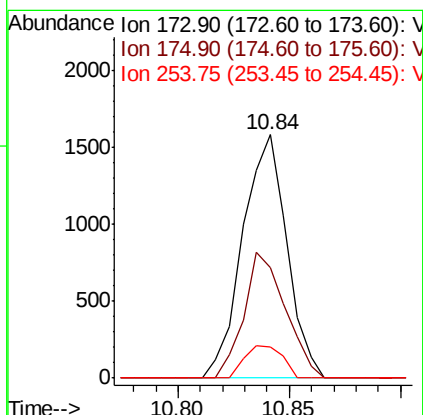
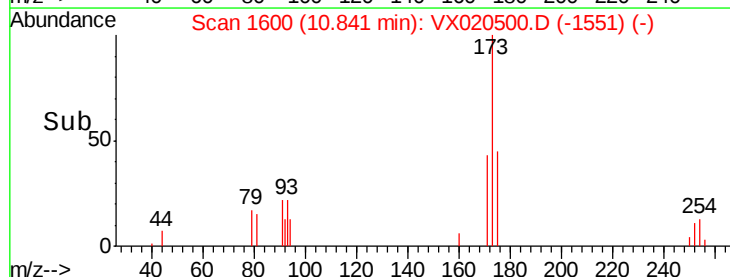
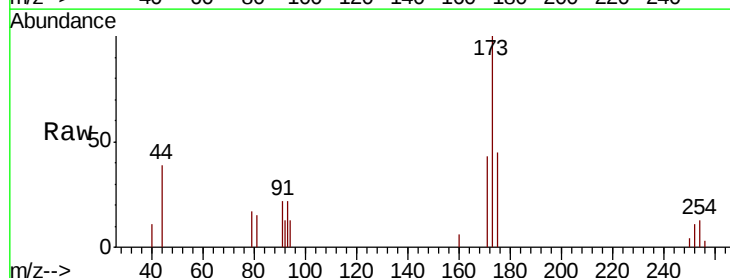
Tgt Ion: 173 Resp: 2187

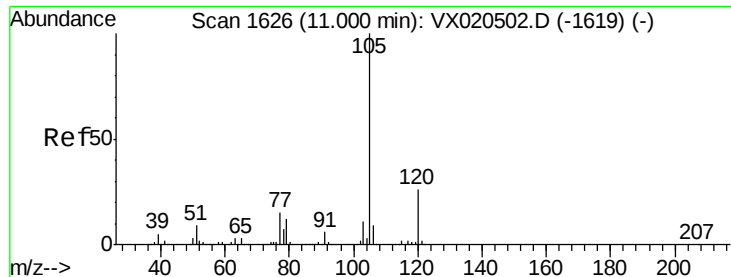
Ion Ratio Lower Upper

173 100

175 48.4 38.0 57.0

254 11.4 8.8 13.2





#60

Isopropylbenzene

Concen: 0.393 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5302

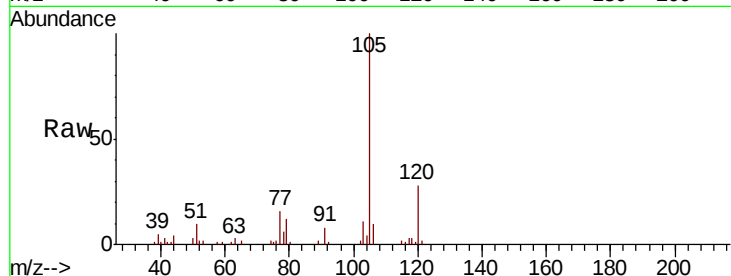
Tot Ion:105 Resp: 19631

Ion Ratio Lower Upper

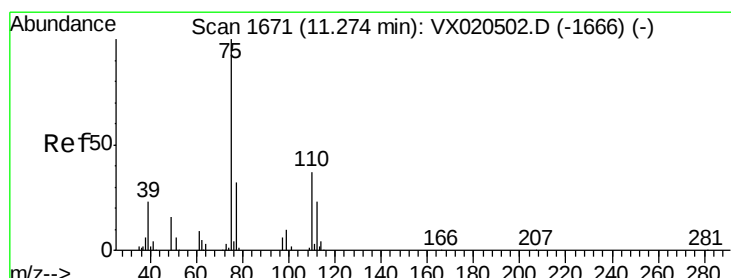
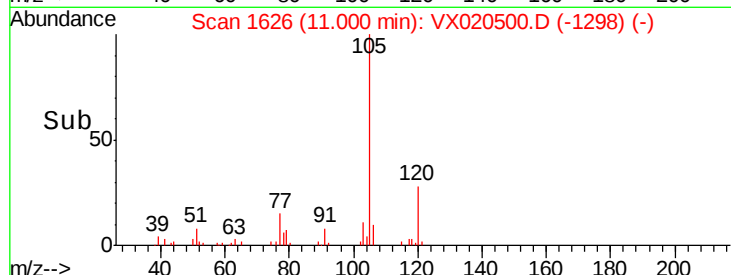
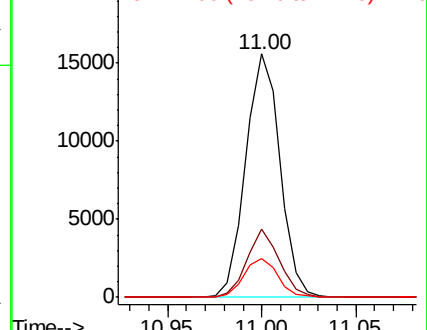
105 100

120 26.6 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: 0.532 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

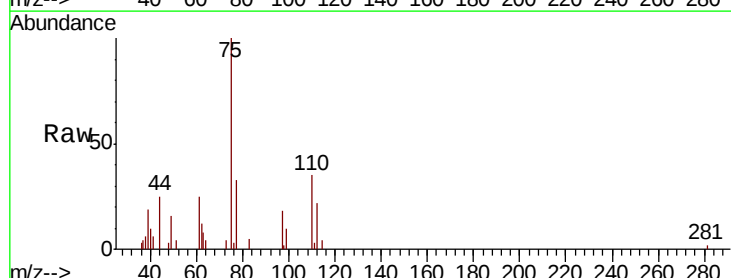
Tgt Ion: 75 Resp: 3281

Ion Ratio Lower Upper

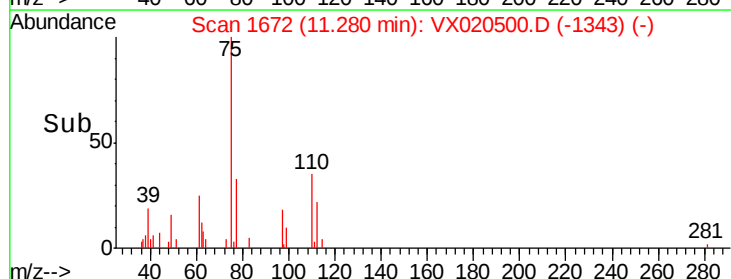
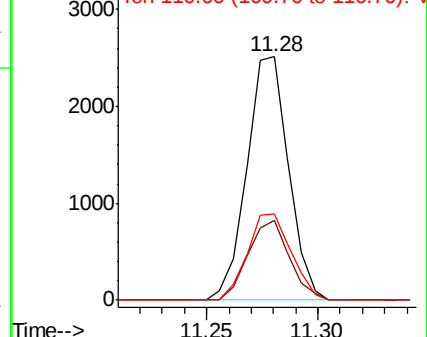
75 100

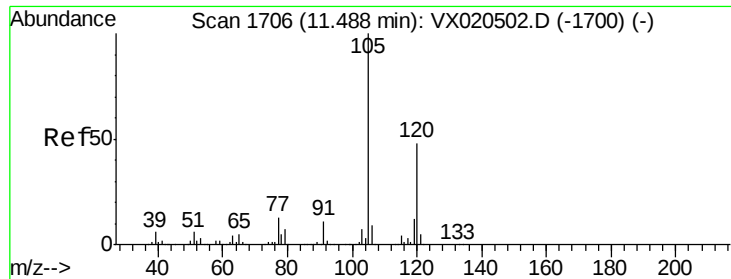
77 32.5 26.3 39.5

110 37.2 32.1 48.1



Abundance Ion 75.00 (74.70 to 75.70): VX
Ion 77.00 (76.70 to 77.70): VX
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.361 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampled :

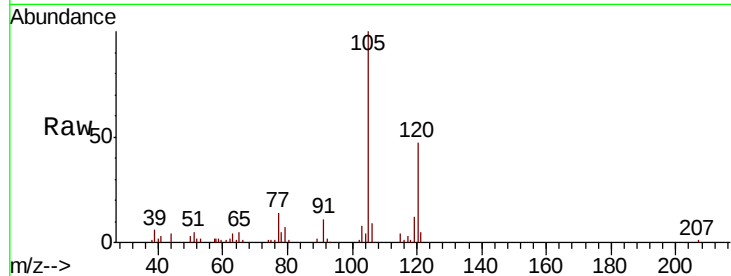
VSTD0.5302

Tot Ion:105 Resp: 14977

Ion Ratio Lower Upper

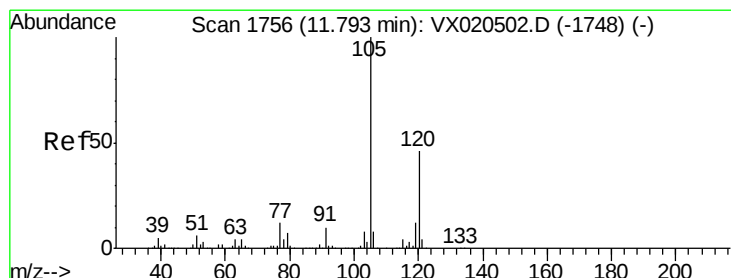
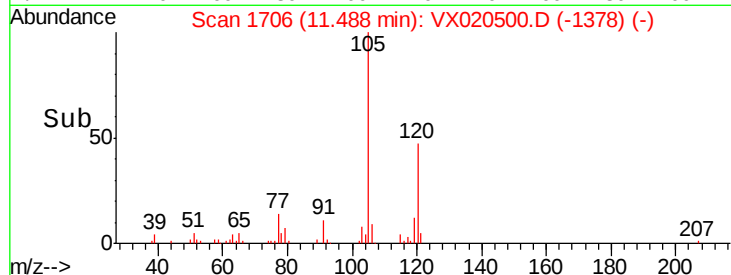
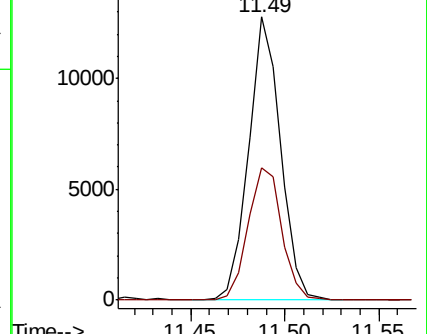
105 100

120 49.5 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.353 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX020500.D

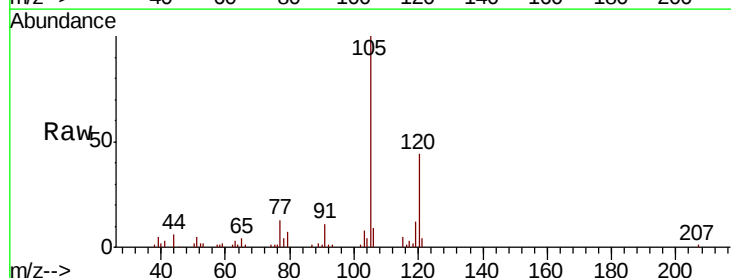
Acq: 05 Jan 2021 15:40

Tgt Ion:105 Resp: 14860

Ion Ratio Lower Upper

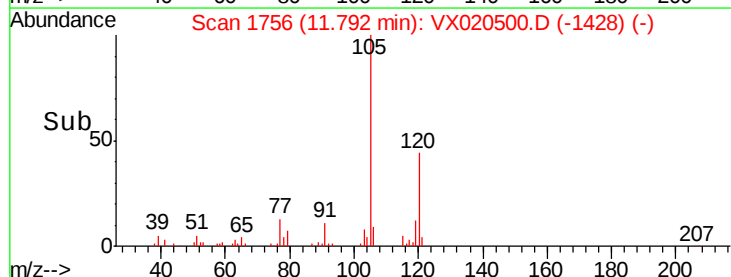
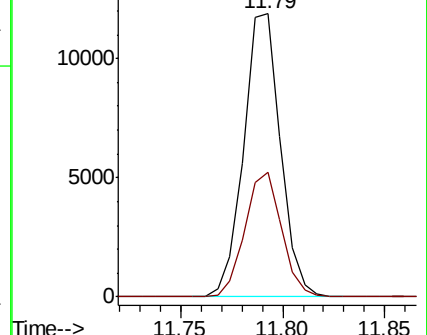
105 100

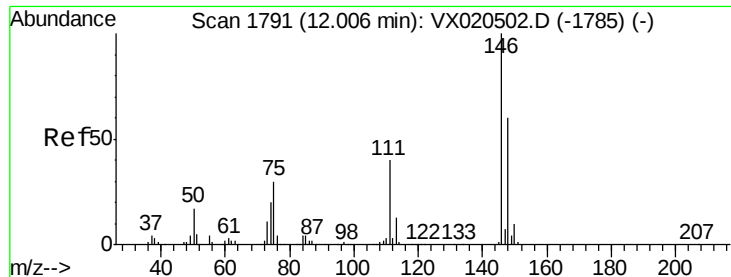
120 43.9 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 0.486 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD0.5302

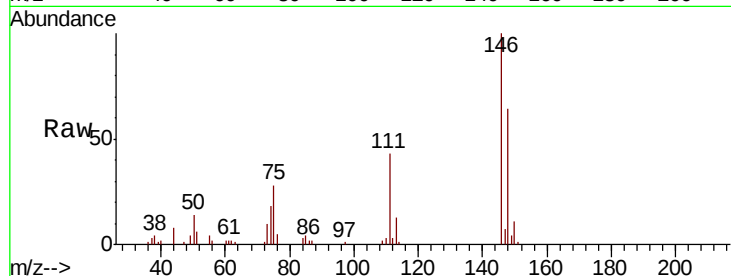
Tot Ion:146 Resp: 10907

Ion Ratio Lower Upper

146 100

111 42.8 28.2 52.4

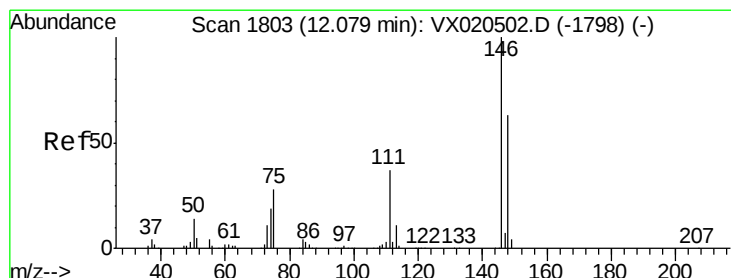
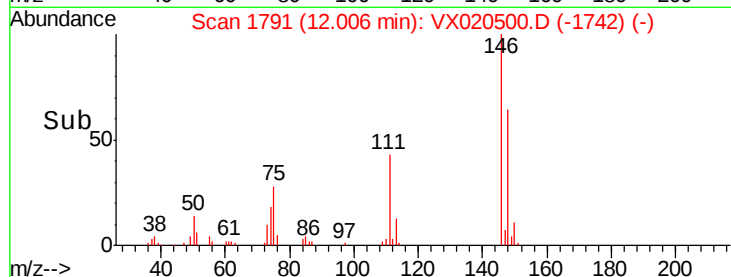
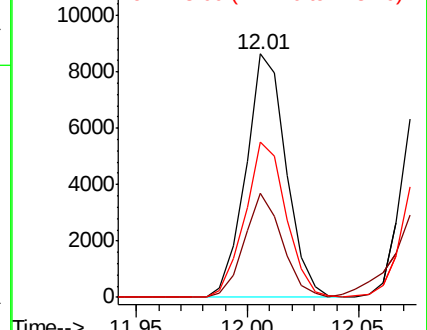
148 63.6 41.7 77.5



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



#65

1,4-Dichlorobenzene

Concen: 0.499 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX020500.D

Acq: 05 Jan 2021 15:40

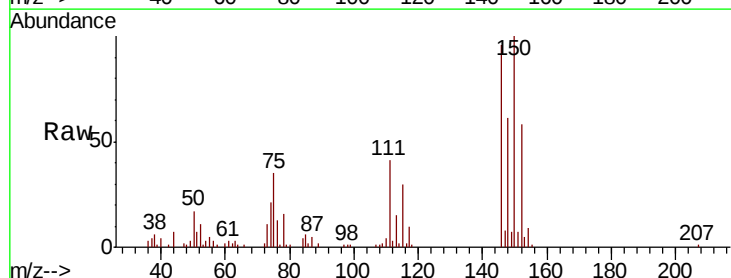
Tgt Ion:146 Resp: 11269

Ion Ratio Lower Upper

146 100

111 42.4 26.2 48.8

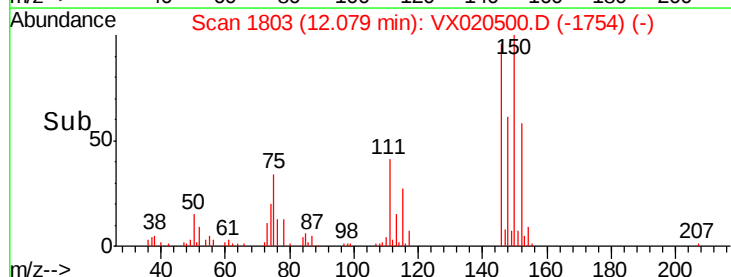
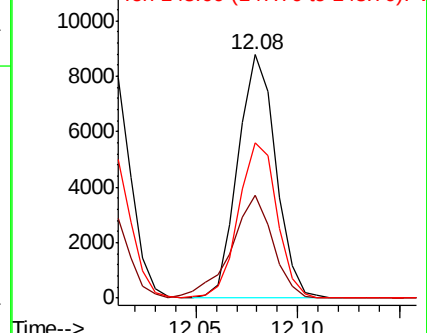
148 63.8 44.1 81.9

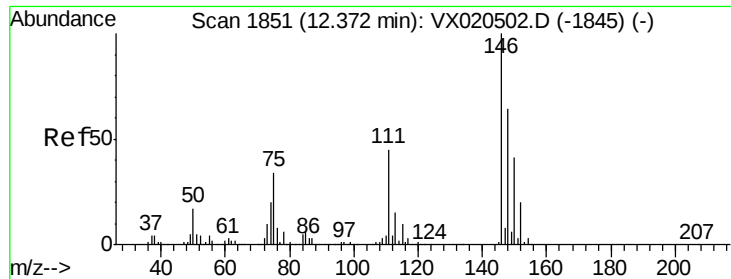


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

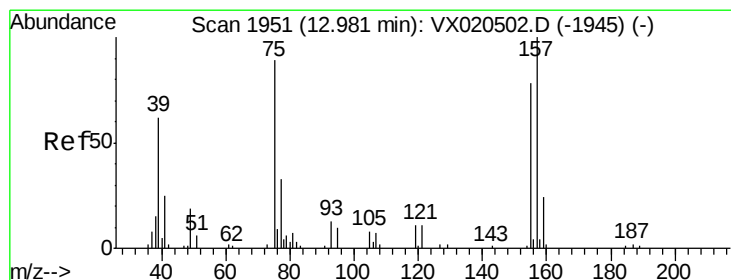
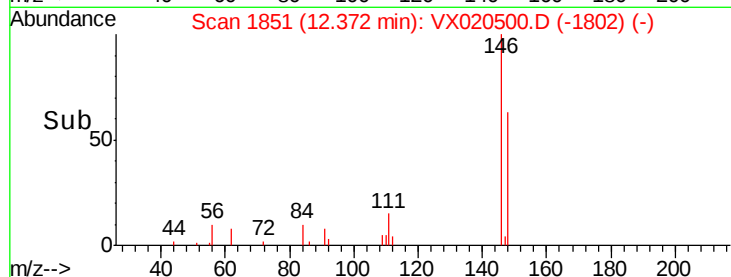
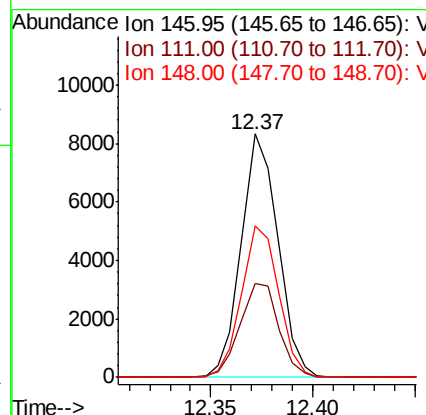
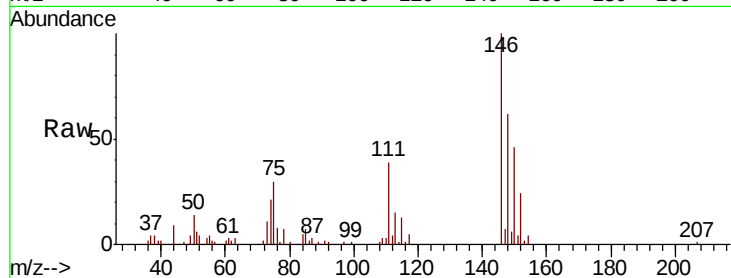




#67
 1,2-Dichlorobenzene
 Concen: 0.503 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

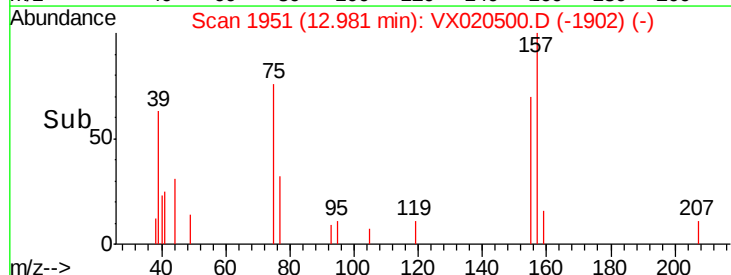
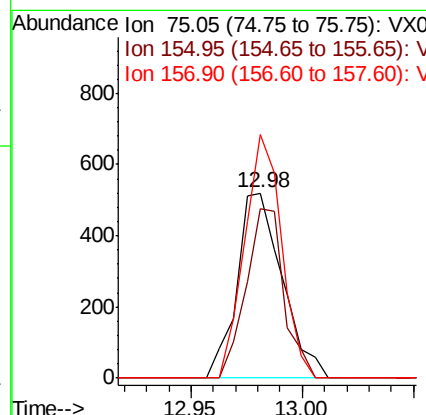
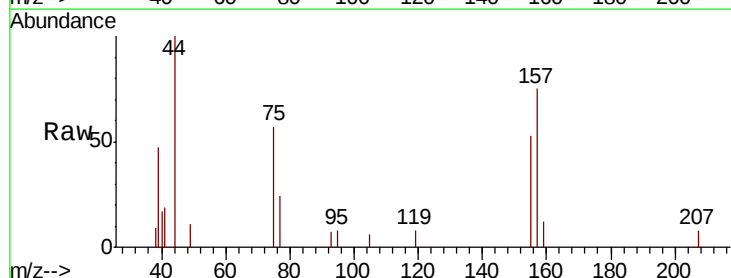
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

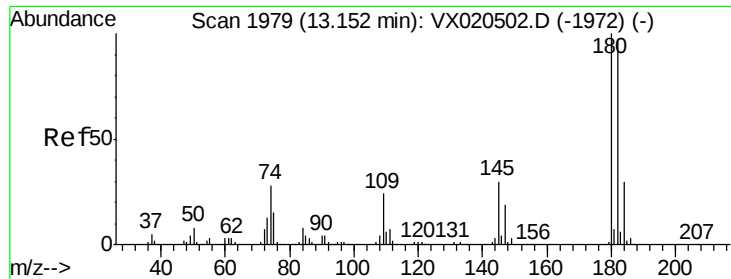
Tot Ion:146 Resp: 10405
 Ion Ratio Lower Upper
 146 100
 111 38.8 36.3 54.5
 148 62.4 51.5 77.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.531 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Tgt Ion: 75 Resp: 737
 Ion Ratio Lower Upper
 75 100
 155 91.7 69.8 104.8
 157 131.8 90.0 135.0

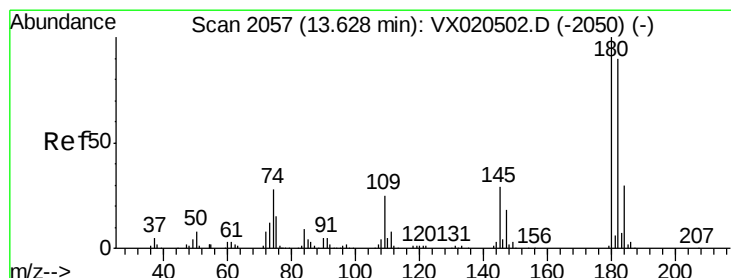
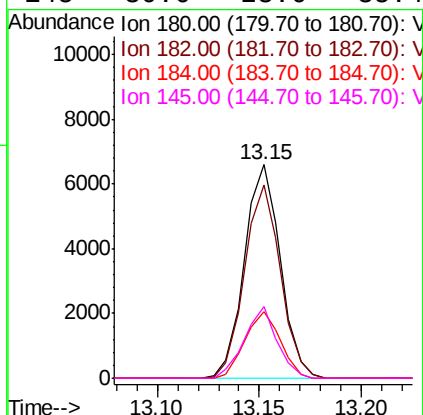
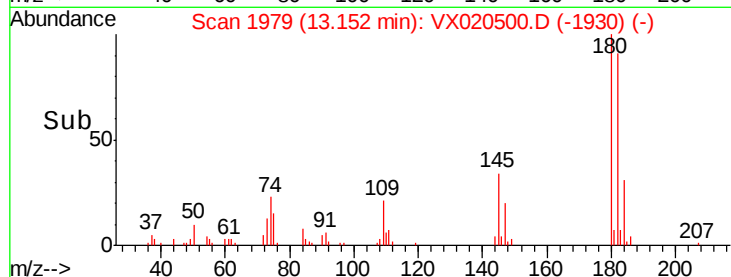
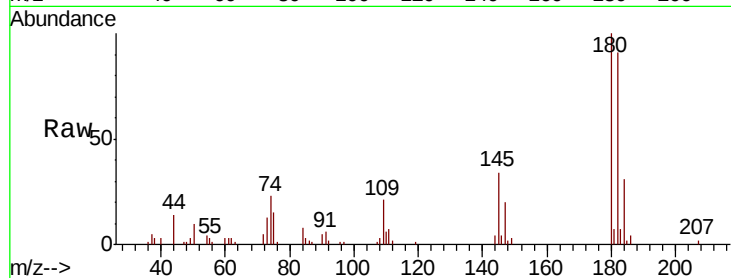




#69
 1,3,5-Trichlorobenzene
 Concen: 0.489 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

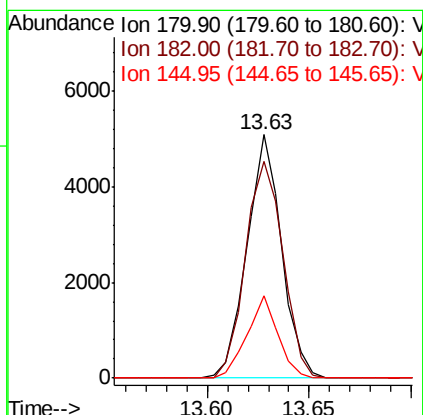
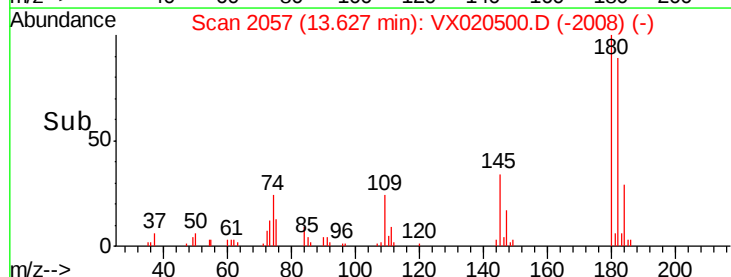
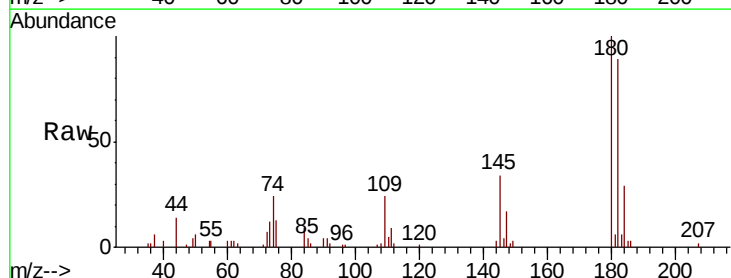
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD0.5302

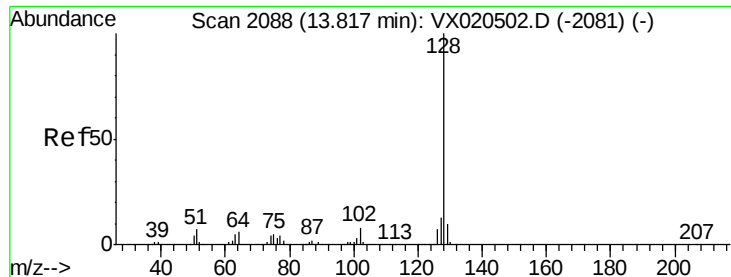
Tot Ion:180	Resp:	8051
Ion	Ratio	Lower Upper
180	100	
182	91.1	77.0 115.4
184	30.8	24.6 36.8
145	30.6	23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.420 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020500.D
 Acq: 05 Jan 2021 15:40

Tgt Ion:180	Resp:	5994
Ion	Ratio	Lower Upper
180	100	
182	96.5	74.3 111.5
145	30.5	24.1 36.1

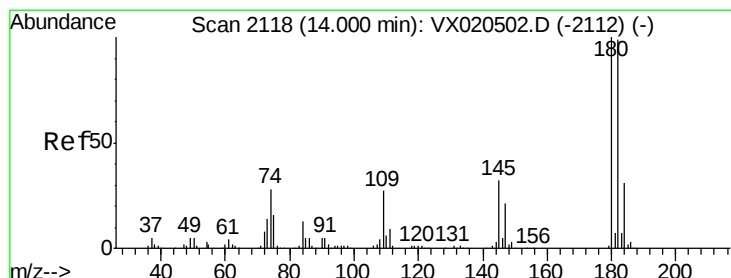
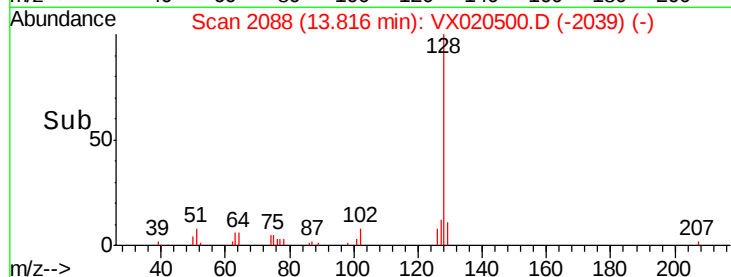
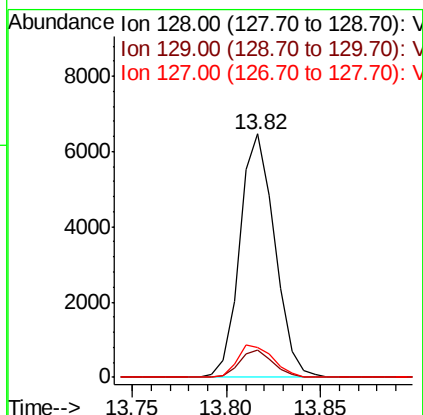
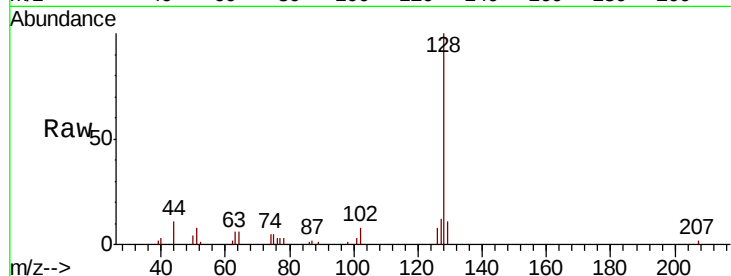




#71
Naphthalene
Concen: 0.332 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD0.5302

Tot Ion:128 Resp: 8288
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.7 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 0.441 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX020500.D
Acq: 05 Jan 2021 15:40

Tgt Ion:180 Resp: 5593
Ion Ratio Lower Upper
180 100
182 92.3 79.3 118.9
145 31.3 26.5 39.7

