

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO010621\
 Data File : VX020510.D
 Acq On : 06 Jan 2021 09:31
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 01:44:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 16:05:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	164007	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	165475	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	82673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66464	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.69	69	61098	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.34	63	135393	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	4.53	46	140332	49.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.16%
24) Chloroform-d	5.13	84	130926	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	6.03	65	64621	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	6.04	84	269258	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	7.37	67	77366	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	8.69	98	235537	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.99	79	28999	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	9.42	63	132647	52.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.36%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	53834	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
66) 1,2-Dichlorobenzene-d4	12.36	152	79810	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	101924	5.734	ug/L 99
3) Chloromethane	1.31	50	87641	5.654	ug/L 99
5) Vinyl chloride	1.39	62	97411	5.786	ug/L 100
6) Bromomethane	1.63	94	55141	6.070	ug/L 99
8) Chloroethane	1.71	64	58783	5.885	ug/L 99
9) Trichlorofluoromethane	1.92	101	125990	5.834	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	72493	5.837	ug/L 98
12) 1,1-Dichloroethene	2.36	96	68480	5.660	ug/L 97
13) Acetone	2.42	43	97922	59.136	ug/L 99
14) Carbon disulfide	2.55	76	229072	5.591	ug/L 99
15) Methyl Acetate	2.75	43	24631	5.269	ug/L 99
16) Methylene chloride	2.83	84	76934	5.118	ug/L 96
17) Methyl tert-butyl Ether	3.16	73	148373	5.378	ug/L 100
18) trans-1,2-Dichloroethene	3.14	96	72945	5.425	ug/L 98
19) 1,1-Dichloroethane	3.67	63	131350	5.496	ug/L 98
21) 2-Butanone	4.63	43	152700	54.038	ug/L 99
22) cis-1,2-Dichloroethene	4.56	96	76345	5.429	ug/L 98

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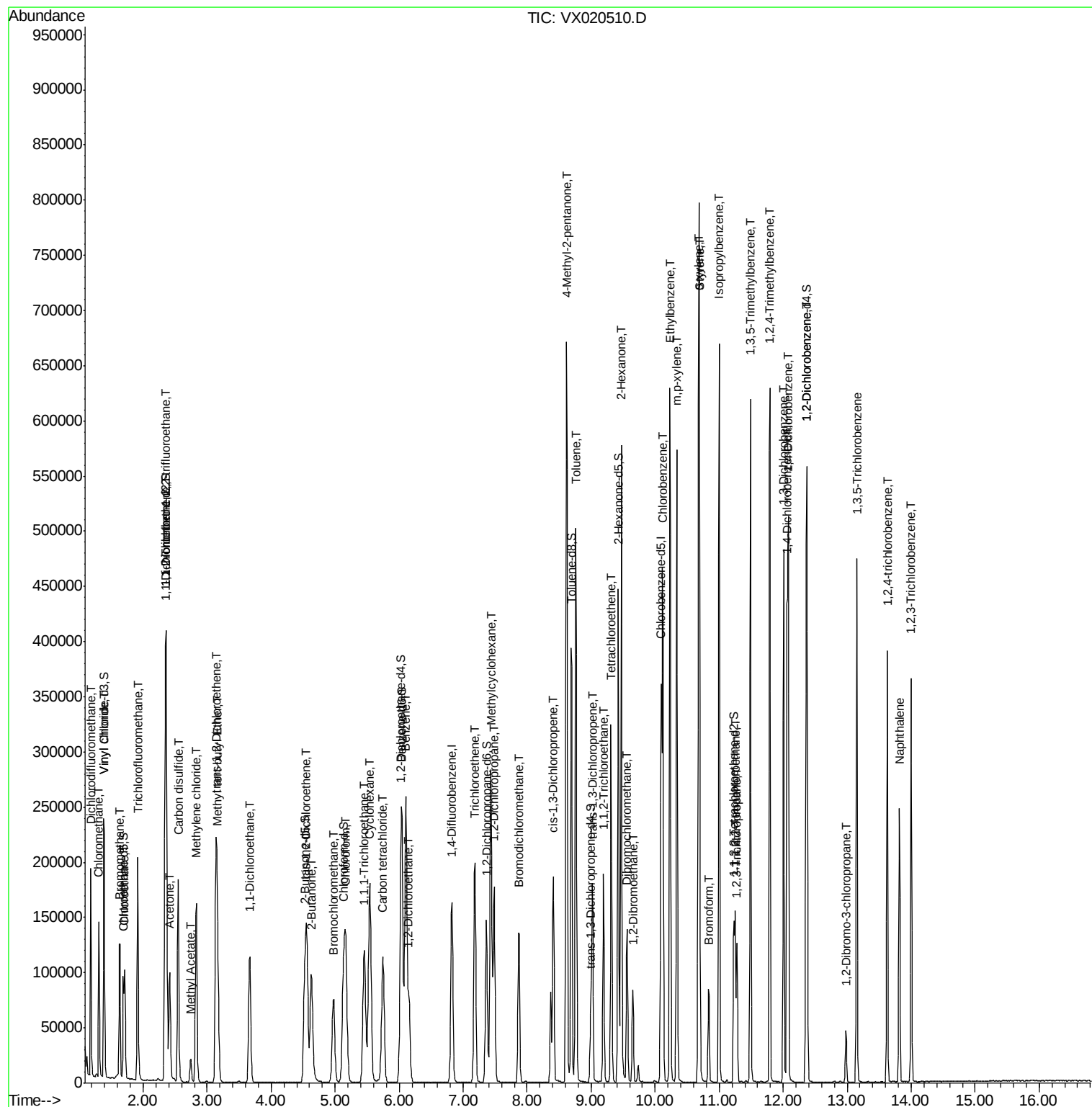
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.97	128	34049	5.455	ug/L	95
25) Chloroform	5.17	83	135538	5.381	ug/L	96
27) 1,2-Dichloroethane	6.15	62	81137	5.615	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	119941	5.469	ug/L	100
30) Cyclohexane	5.54	56	116773	5.632	ug/L	99
31) Carbon tetrachloride	5.74	117	105042	5.582	ug/L	98
33) Benzene	6.10	78	317081	5.610	ug/L	100
34) Trichloroethene	7.18	95	77940	5.326	ug/L	97
35) Methylcyclohexane	7.43	83	121292	5.492	ug/L	98
37) 1,2-Dichloropropane	7.48	63	73709	5.287	ug/L	100
38) Bromodichloromethane	7.87	83	92114	5.406	ug/L	100
39) cis-1,3-Dichloropropene	8.41	75	99474	5.263	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	365312	53.521	ug/L	99
42) Toluene	8.76	91	334904	5.696	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	87820	5.529	ug/L	95
45) 1,1,2-Trichloroethane	9.20	97	52575	5.344	ug/L	97
47) Tetrachloroethene	9.31	164	66303	5.586	ug/L	98
48) 2-Hexanone	9.47	43	279677	59.414	ug/L	100
49) Dibromochloromethane	9.56	129	60085	5.621	ug/L	98
50) 1,2-Dibromoethane	9.65	107	47976	5.437	ug/L	97
51) Chlorobenzene	10.12	112	200819	5.451	ug/L	97
52) Ethylbenzene	10.23	91	347192	5.675	ug/L	99
53) m,p-xylene	10.34	106	135242	5.814	ug/L	96
54) o-xylene	10.68	106	121963	5.504	ug/L	100
55) Styrene	10.70	104	213290	5.731	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	57462	5.238	ug/L	97
59) Bromoform	10.84	173	31366	5.495	ug/L	99
60) Isopropylbenzene	11.00	105	329704	5.760	ug/L	99
61) 1,2,3-Trichloropropane	11.27	75	42590	5.340	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	266586	5.780	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	272107	5.898	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	154236	5.576	ug/L	94
65) 1,4-Dichlorobenzene	12.08	146	153317	5.487	ug/L	99
67) 1,2-Dichlorobenzene	12.37	146	138909	5.390	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	9128	5.331	ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	114144	5.430	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	93173	5.559	ug/L	99
71) Naphthalene	13.82	128	149646	5.439	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	85909	5.539	ug/L	94

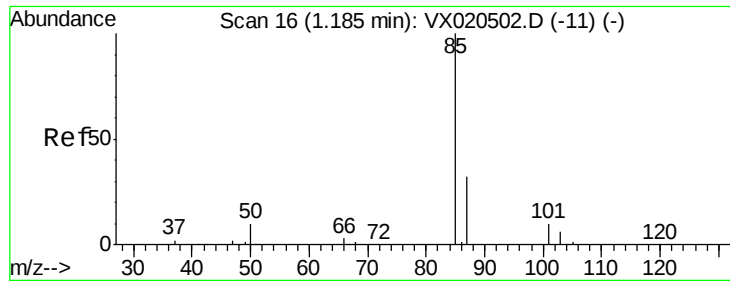
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.734 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

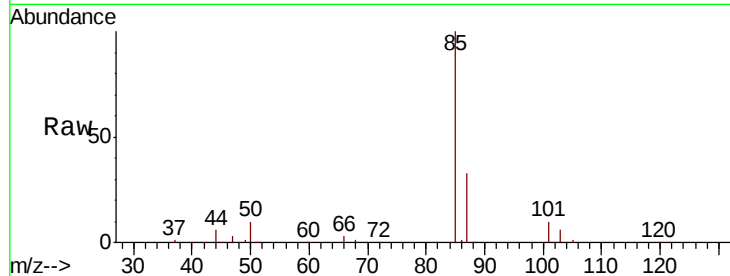
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 85 Resp: 101924

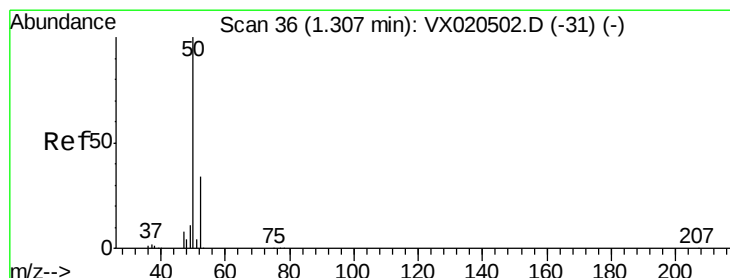
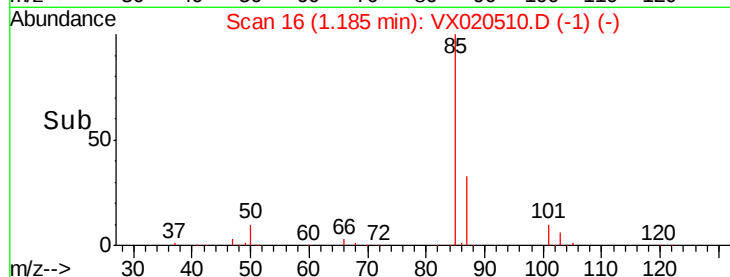
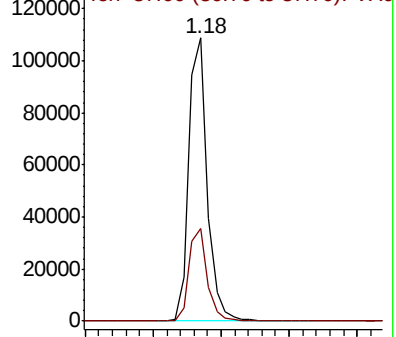
Ion Ratio Lower Upper

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: 5.654 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX020510.D

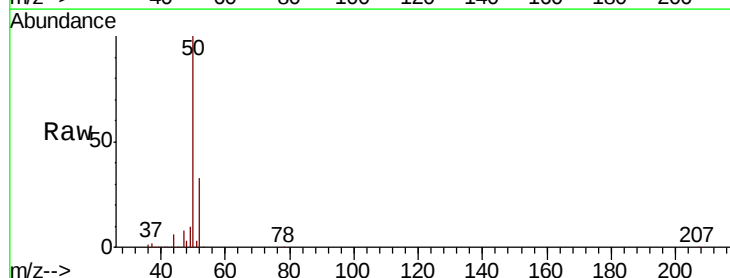
Acq: 06 Jan 2021 09:31

Tgt Ion: 50 Resp: 87641

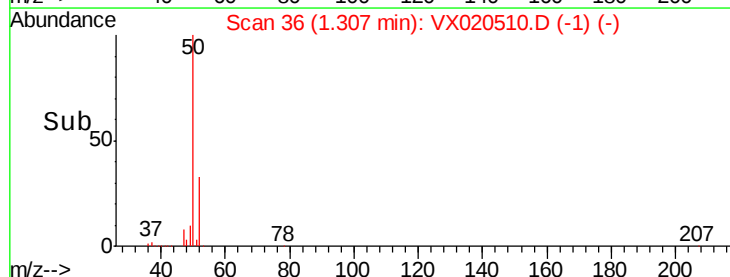
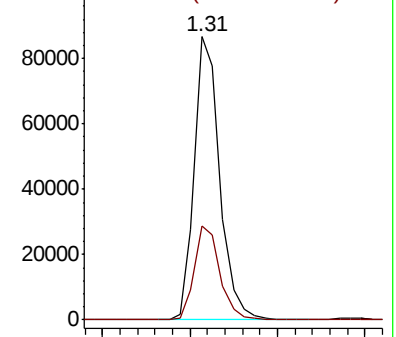
Ion Ratio Lower Upper

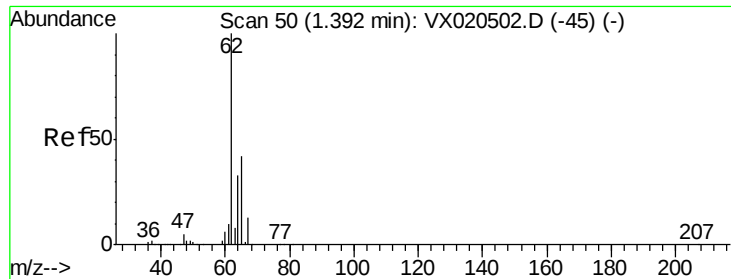
50 100

52 33.1 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: 5.786 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

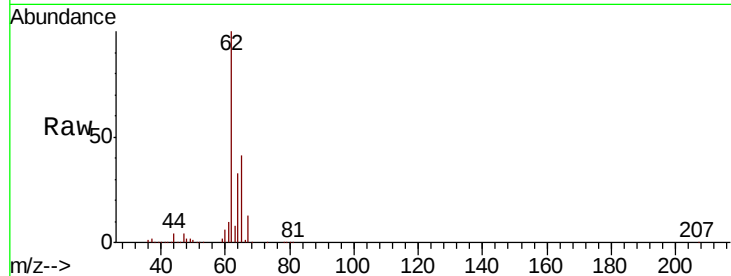
ClientSampled :

Tot Ion: 62 Resp: 97411

Ion Ratio Lower Upper

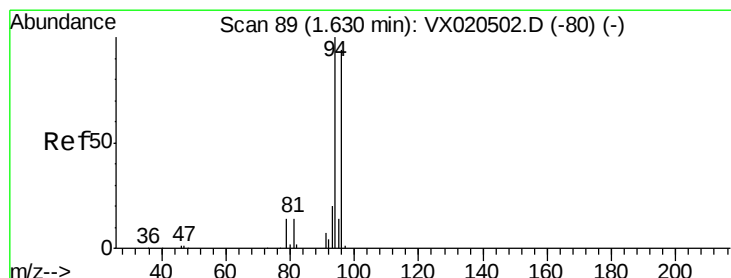
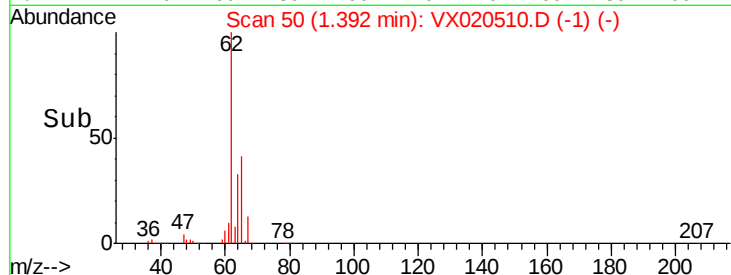
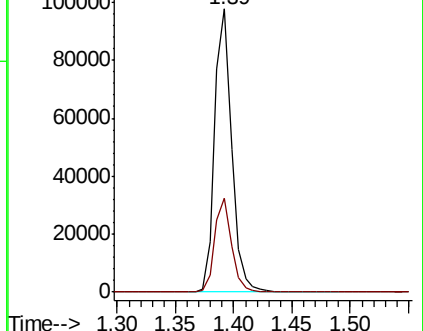
62 100

64 33.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 6.070 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.00 min

Lab File: VX020510.D

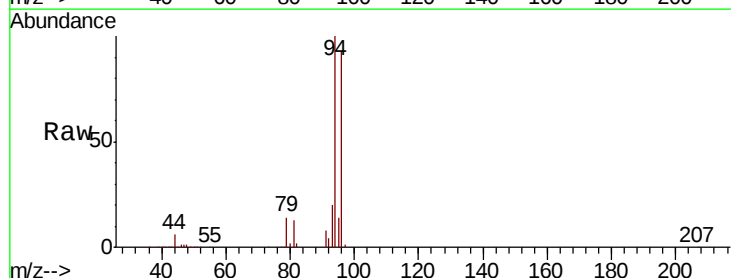
Acq: 06 Jan 2021 09:31

Tgt Ion: 94 Resp: 55141

Ion Ratio Lower Upper

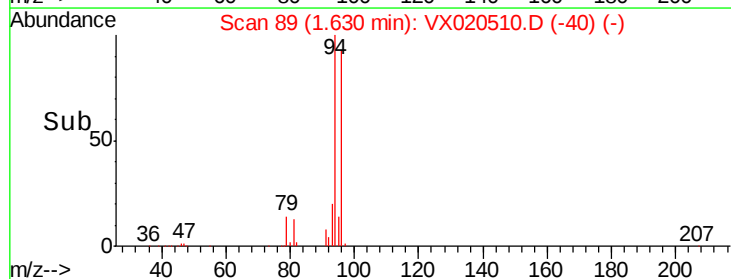
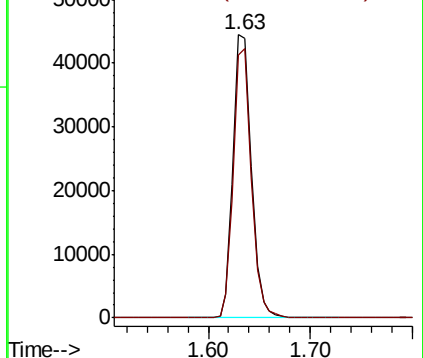
94 100

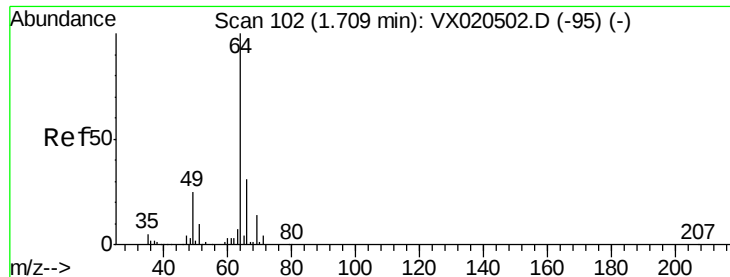
96 92.9 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 5.885 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

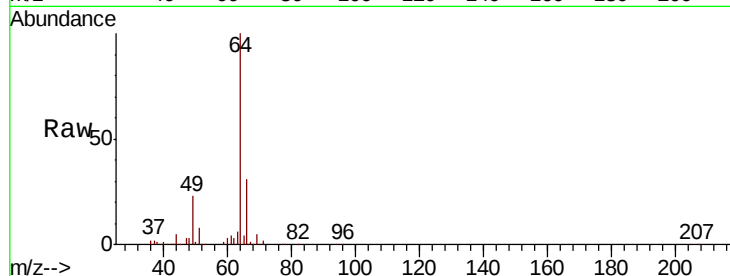
ClientSampleId :

Tot Ion: 64 Resp: 58783

Ion Ratio Lower Upper

64 100

66 31.1 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

1.71

50000

40000

30000

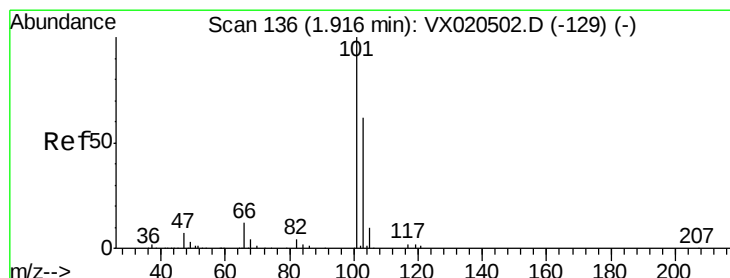
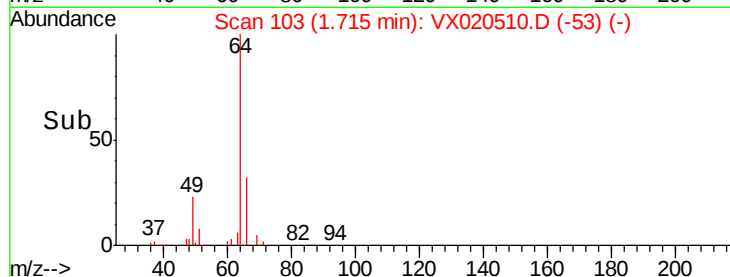
20000

10000

0

Time-->

1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 5.834 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020510.D

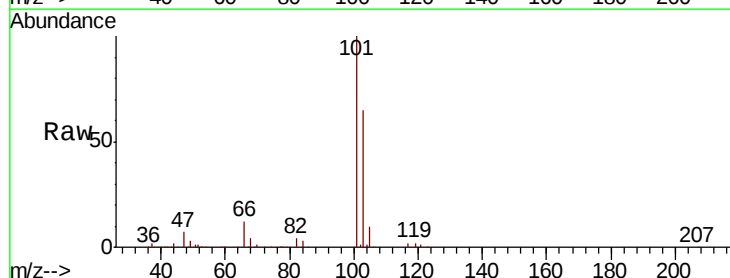
Acq: 06 Jan 2021 09:31

Tgt Ion: 101 Resp: 125990

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.92

100000

80000

60000

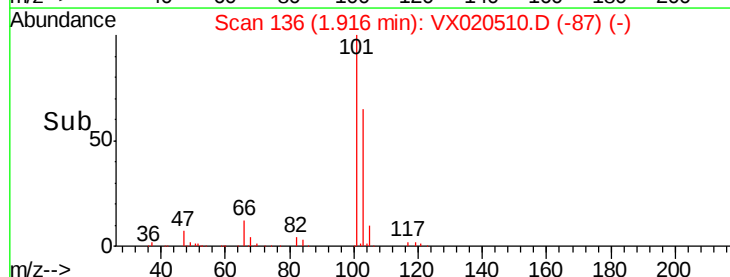
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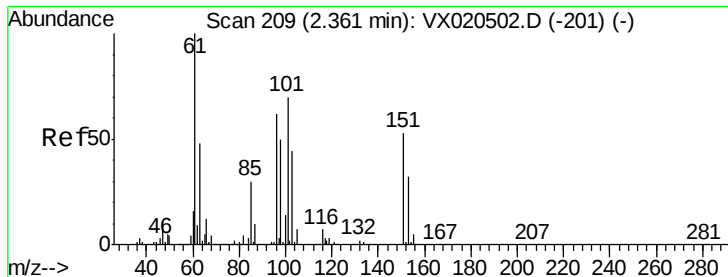
20000

0

Time-->

1.85 1.90 1.95 2.00





#10

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

Concen: 5.837 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

ClientSampleId :

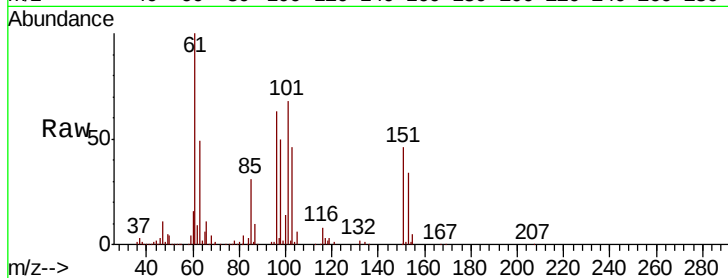
Tot Ion:101 Resp: 72493

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

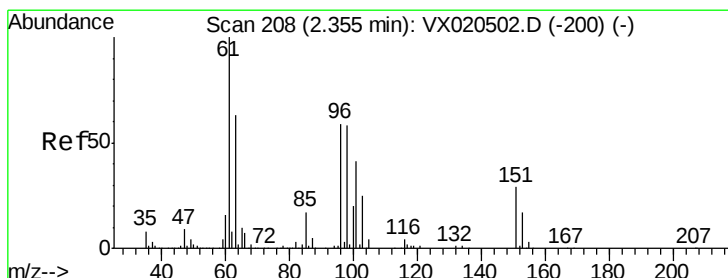
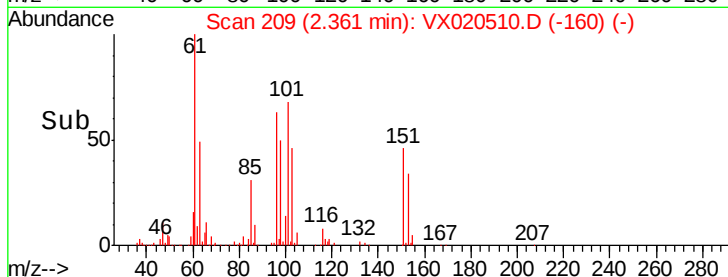
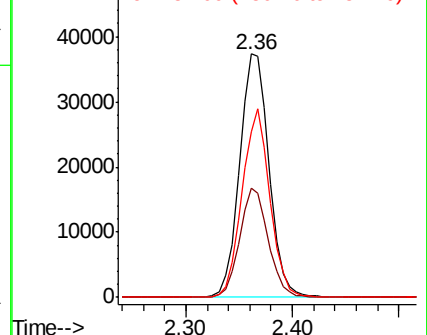
151 73.2 61.0 91.6



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: 5.660 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

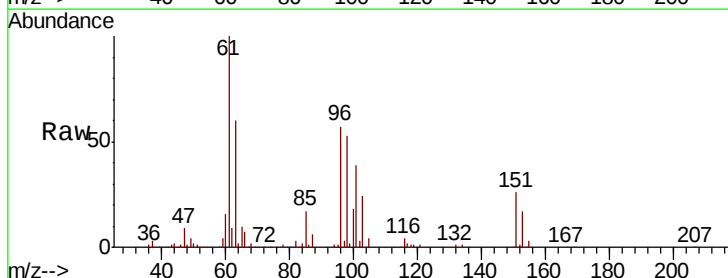
Tgt Ion: 96 Resp: 68480

Ion Ratio Lower Upper

96 100

61 174.5 118.2 219.6

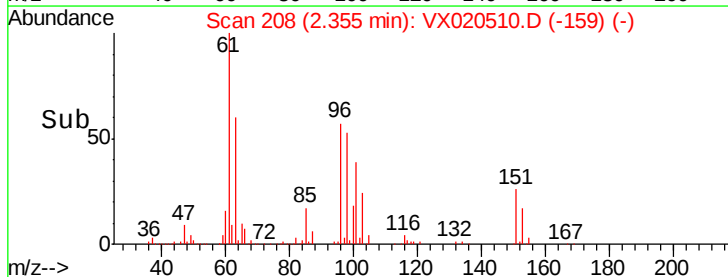
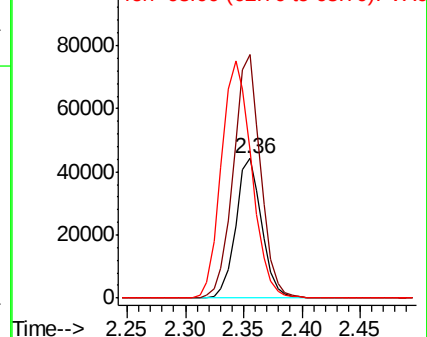
63 105.6 74.2 137.8

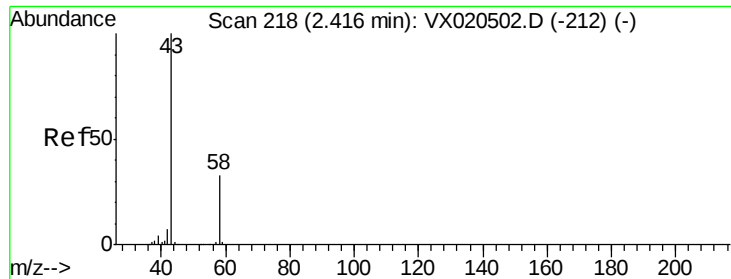


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0

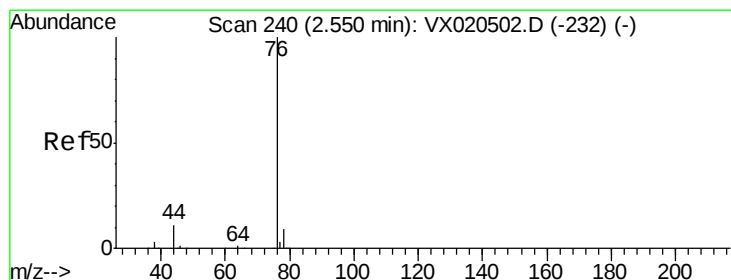
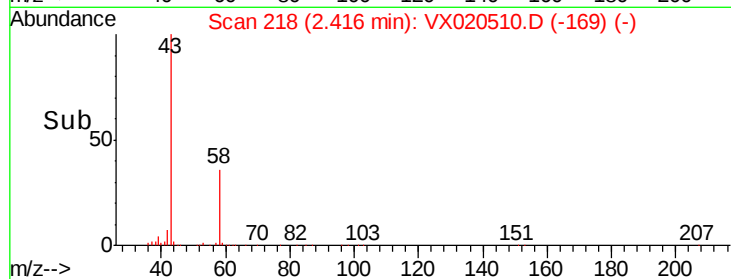
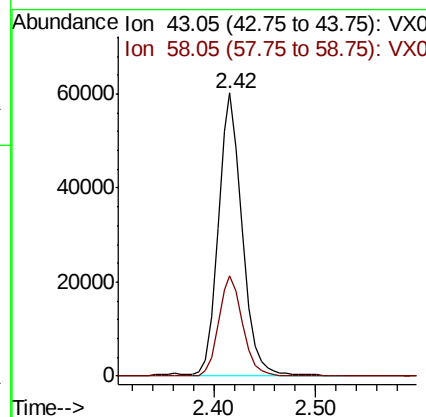
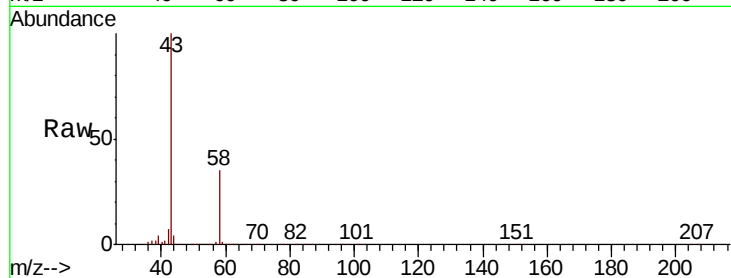




#13
Acetone
Concen: 59.136 ug/L
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX020510.D
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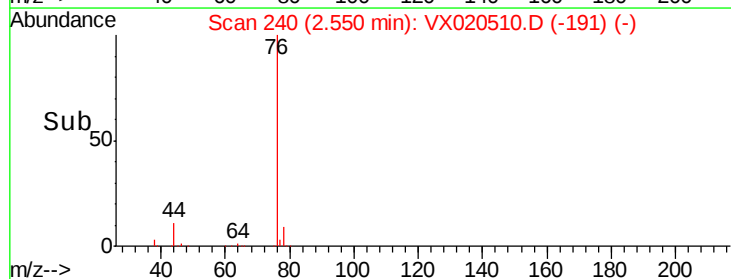
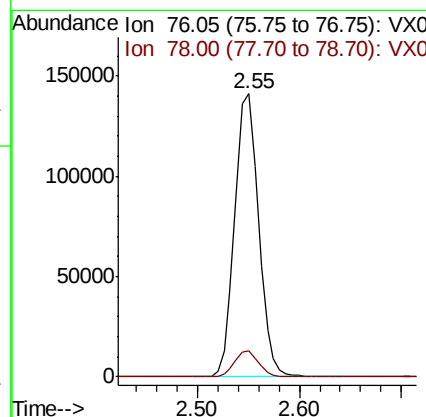
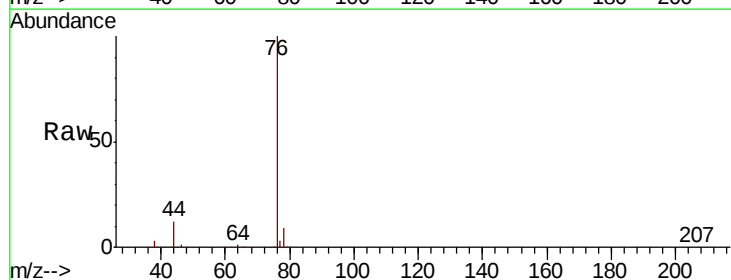
Instrument :
MSVOA_X
ClientSampleId :

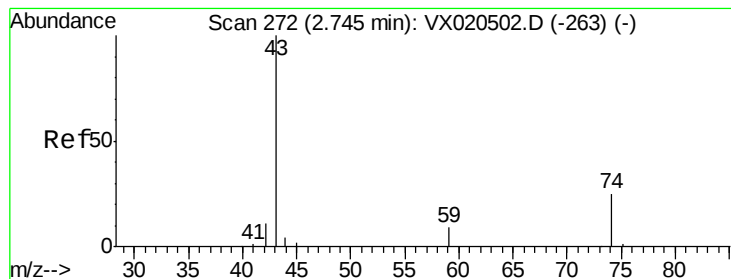
Tot Ion: 43 Resp: 97922
Ion Ratio Lower Upper
43 100
58 36.0 0.0 70.4



#14
Carbon disulfide
Concen: 5.591 ug/L
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

Tgt Ion: 76 Resp: 229072
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6





#15

Methvl Acetate

Concen: 5.269 ug/L

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

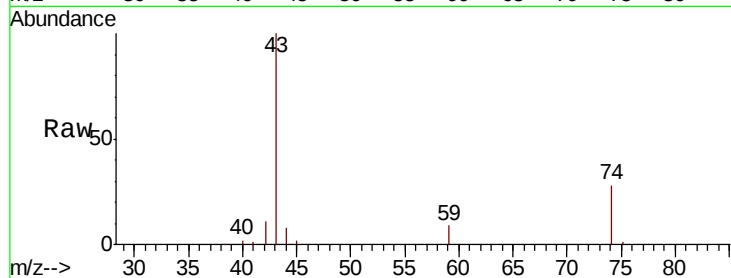
ClientSampled :

Tot Ion: 43 Resp: 24631

Ion Ratio Lower Upper

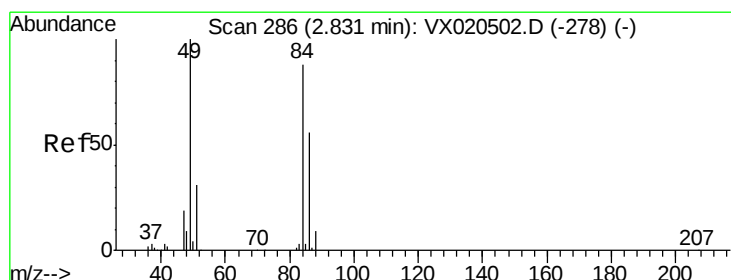
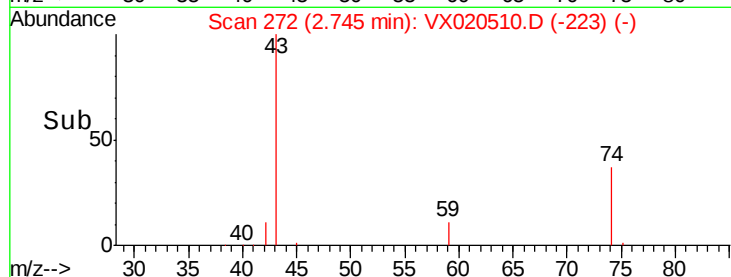
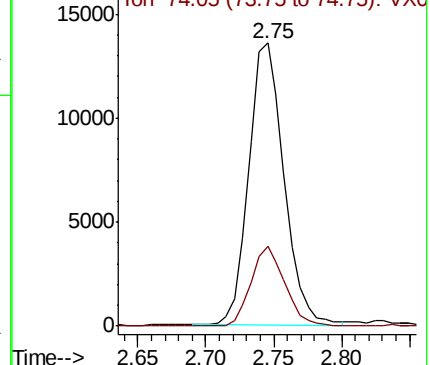
43 100

74 27.1 21.1 31.7



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 5.118 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

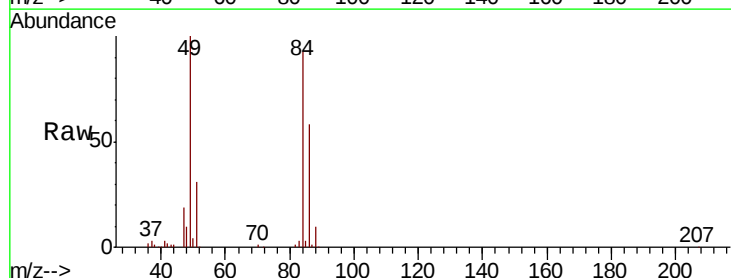
Tgt Ion: 84 Resp: 76934

Ion Ratio Lower Upper

84 100

86 62.4 44.6 82.8

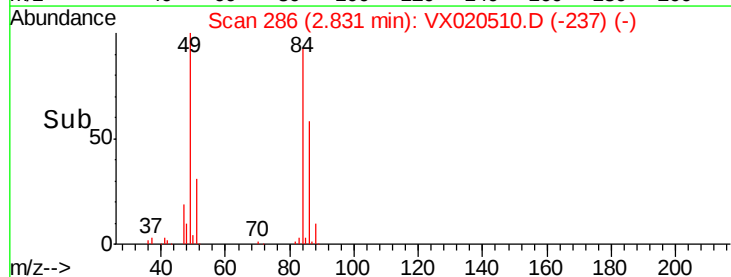
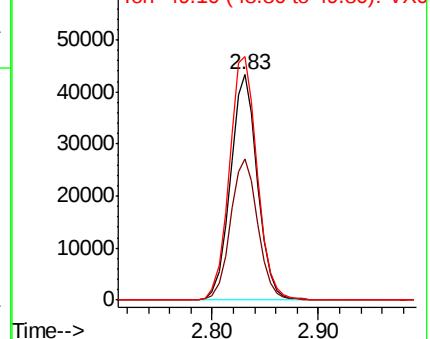
49 108.1 79.5 147.6

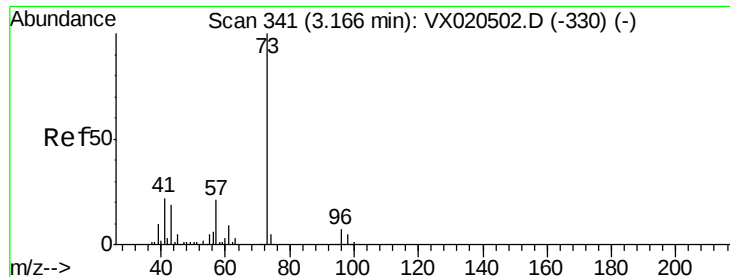


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0



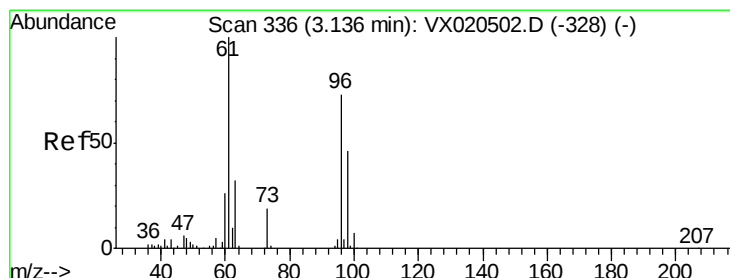
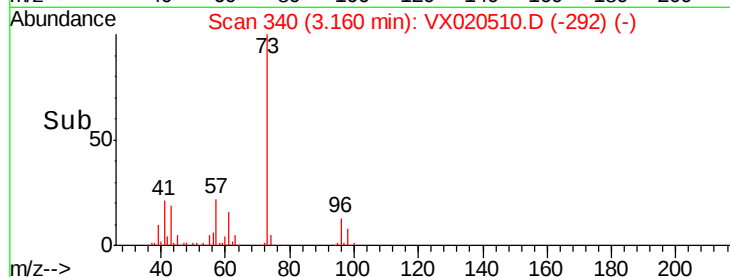
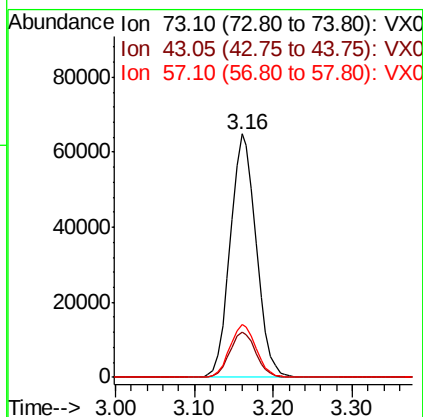
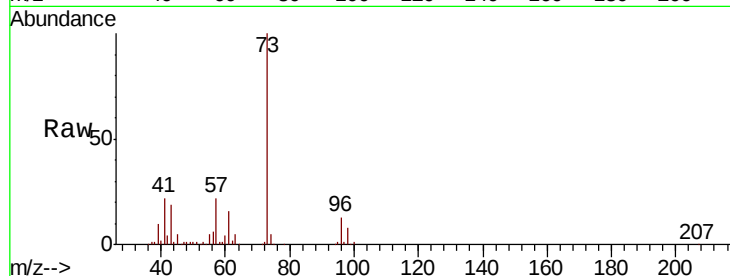


#17

Methyl tert-butyl Ether
 Concen: 5.378 ug/L
 RT: 3.16 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Instrument :
 MSVOA_X
 ClientSampled :

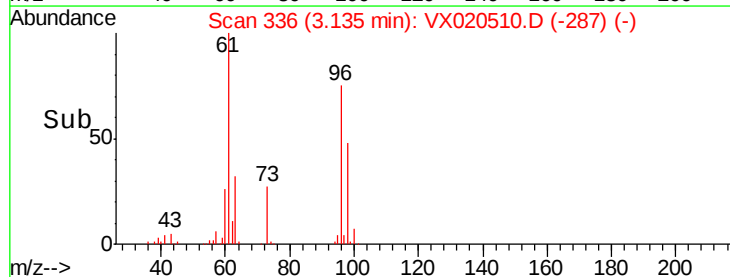
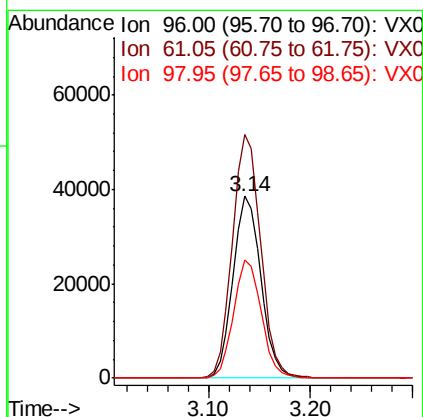
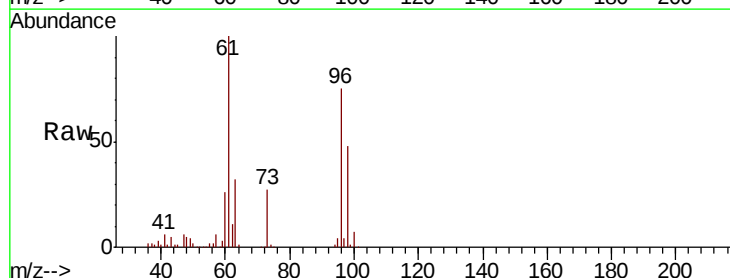
Tot Ion	73	Resp	148373
Ion Ratio	Lower	Upper	
73	100		
43	19.0	15.1	22.7
57	22.0	17.4	26.2

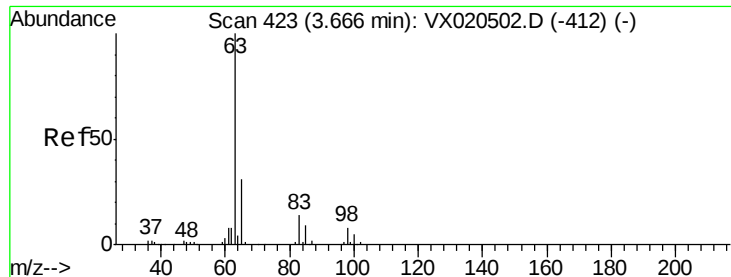


#18

trans-1,2-Dichloroethene
 Concen: 5.425 ug/L
 RT: 3.14 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion	96	Resp	72945
Ion Ratio	Lower	Upper	
96	100		
61	133.9	95.4	177.2
98	64.9	44.2	82.2





#19

1,1-Dichloroethane

Concen: 5.496 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

ClientSampleId :

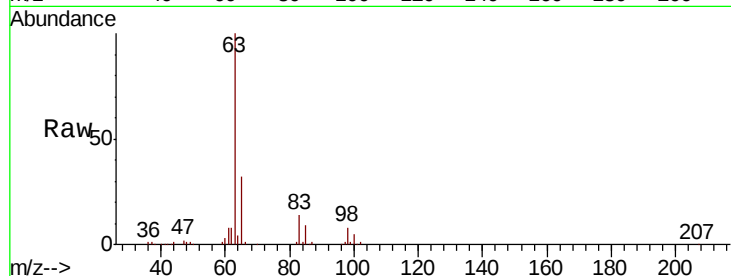
Tot Ion: 63 Resp: 131350

Ion Ratio Lower Upper

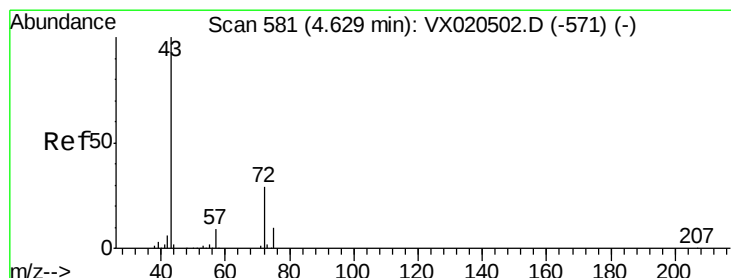
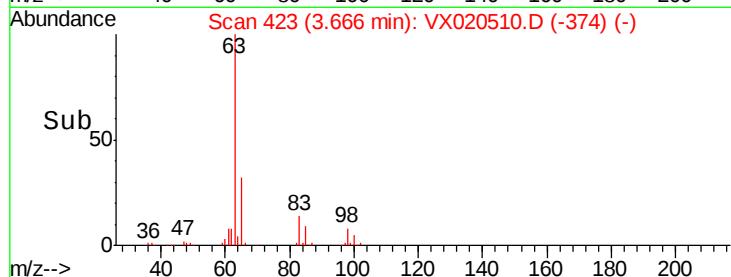
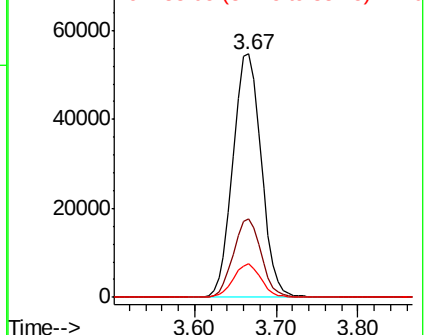
63 100

65 32.5 21.8 40.6

83 14.0 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: 54.038 ug/L

RT: 4.63 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX020510.D

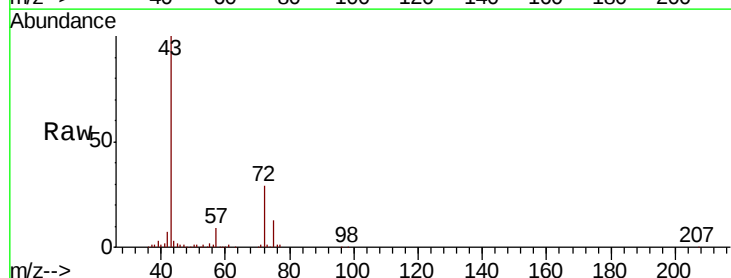
Acq: 06 Jan 2021 09:31

Tgt Ion: 43 Resp: 152700

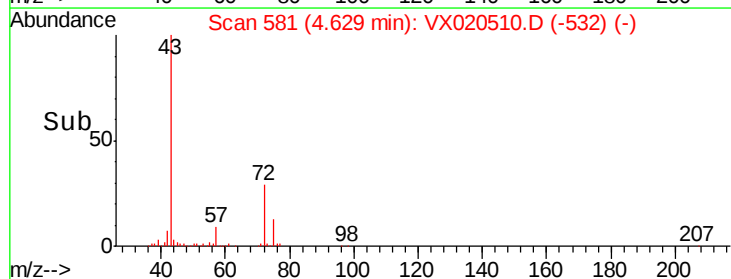
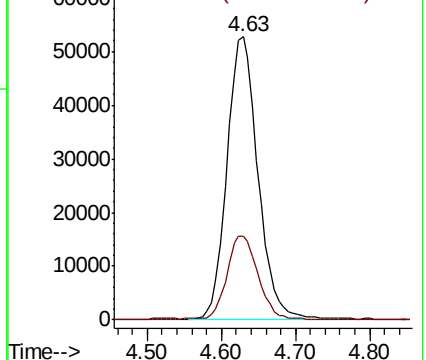
Ion Ratio Lower Upper

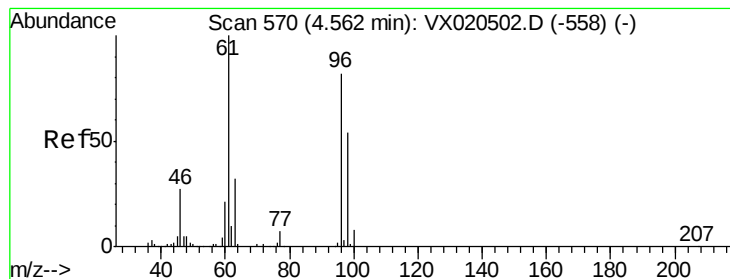
43 100

72 30.0 14.8 44.4



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



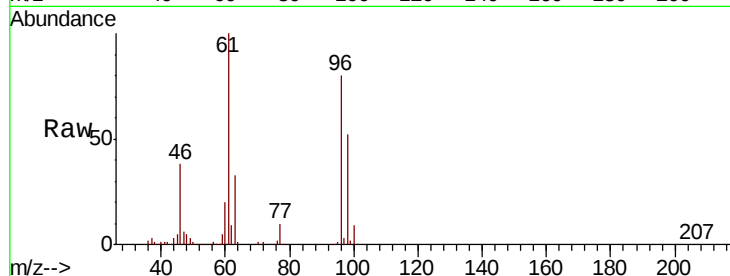


#22

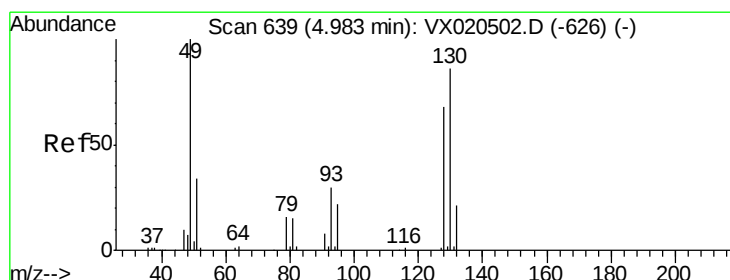
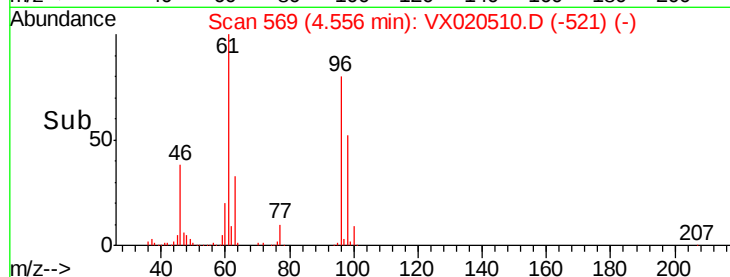
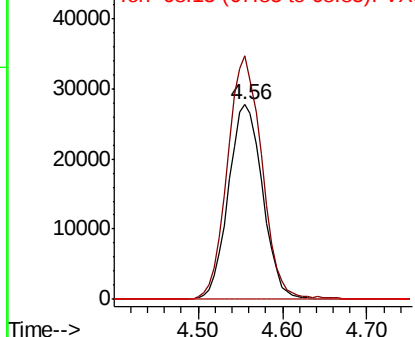
cis-1,2-Dichloroethene
Concen: 5.429 ug/L
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 76345
Ion Ratio Lower Upper
96 100
61 125.2 85.9 159.5
68 0.0 0.0 0.0



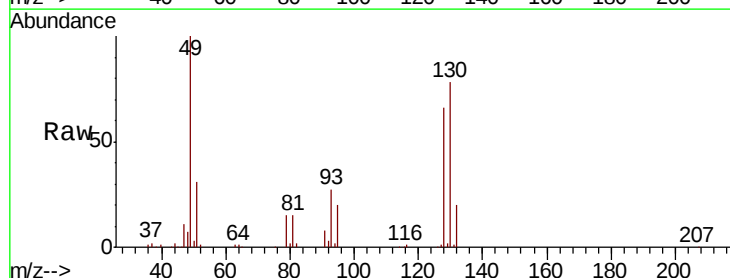
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



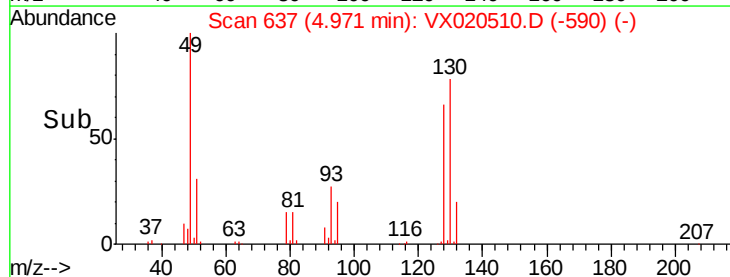
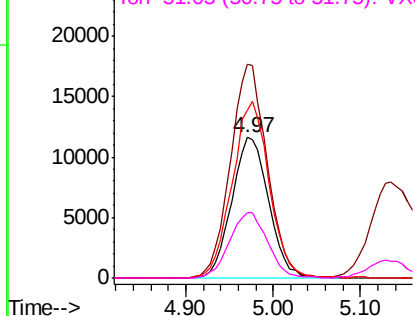
#23

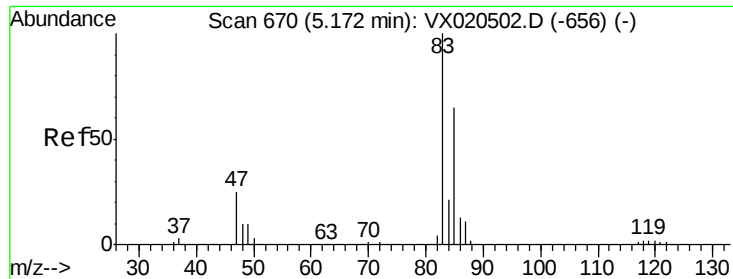
Bromochloromethane
Concen: 5.455 ug/L
RT: 4.97 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

Tgt Ion: 128 Resp: 34049
Ion Ratio Lower Upper
128 100
49 152.1 103.2 191.6
130 119.1 89.1 165.5
51 46.8 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

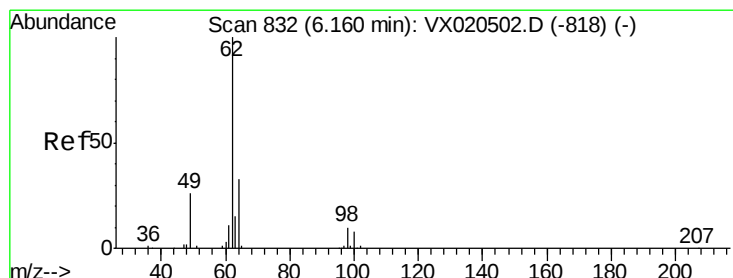
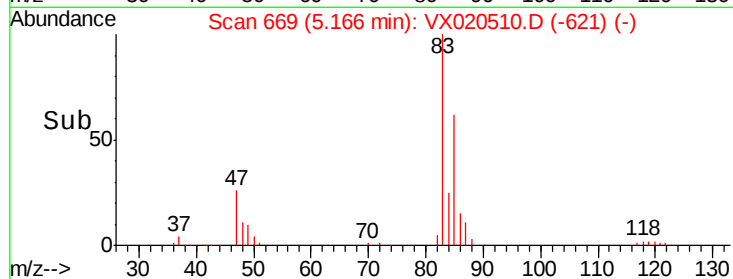
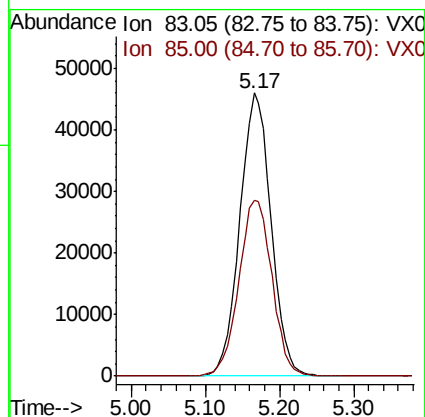
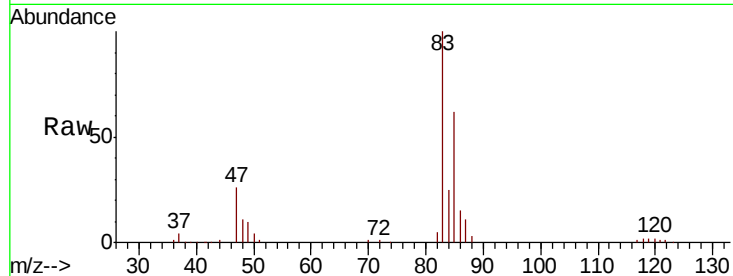




#25
Chloroform
Concen: 5.381 ug/L
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

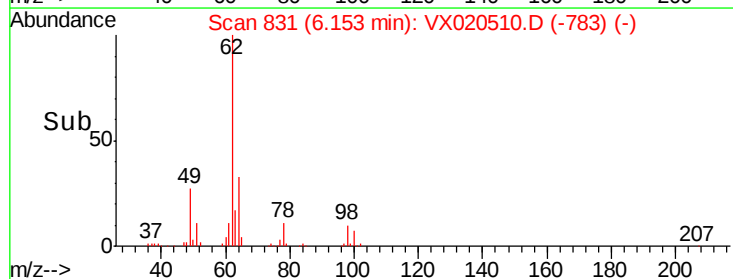
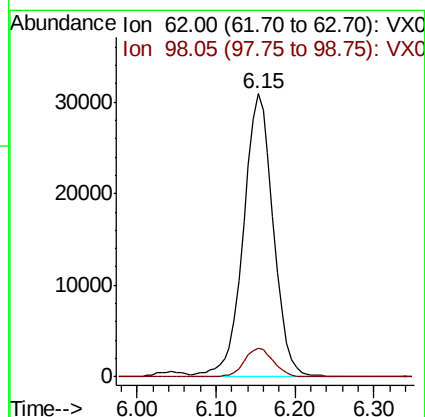
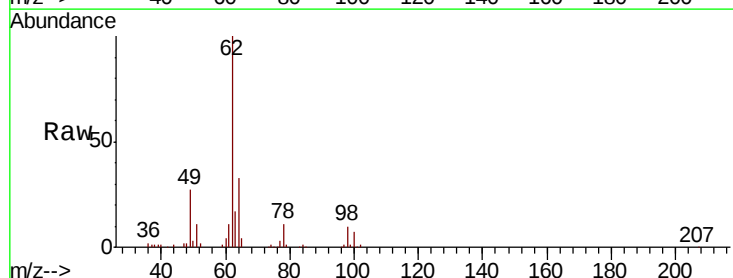
Instrument :
MSVOA_X
ClientSampled :

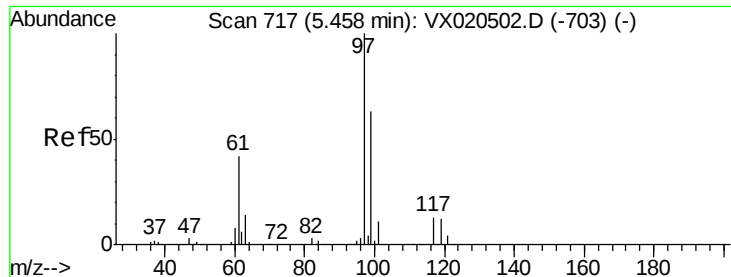
Tot Ion: 83 Resp: 135538
Ion Ratio Lower Upper
83 100
85 62.3 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.615 ug/L
RT: 6.15 min Scan# 831
Delta R.T. -0.01 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

Tgt Ion: 62 Resp: 81137
Ion Ratio Lower Upper
62 100
98 10.2 7.9 11.9

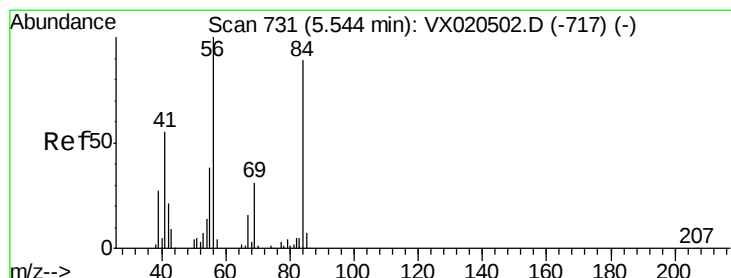
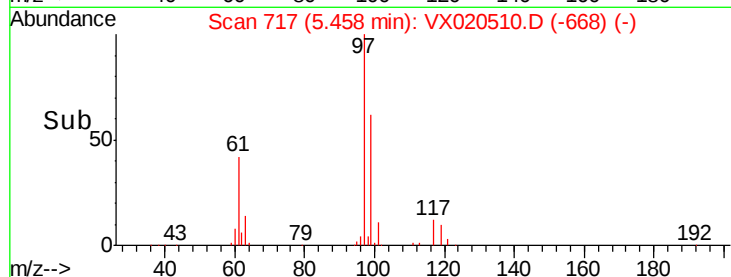
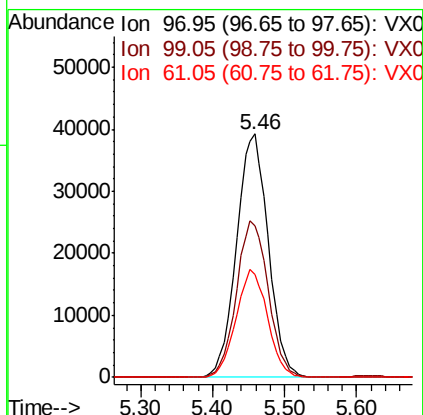
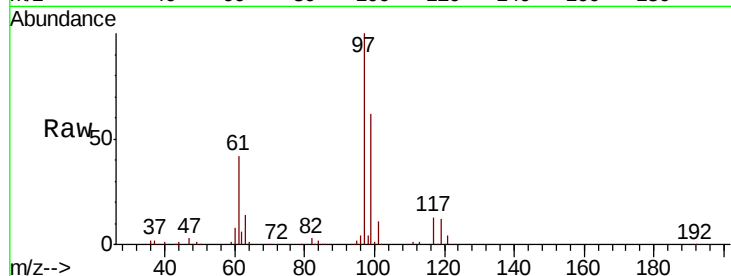




#29
 1,1,1-Trichloroethane
 Concen: 5.469 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

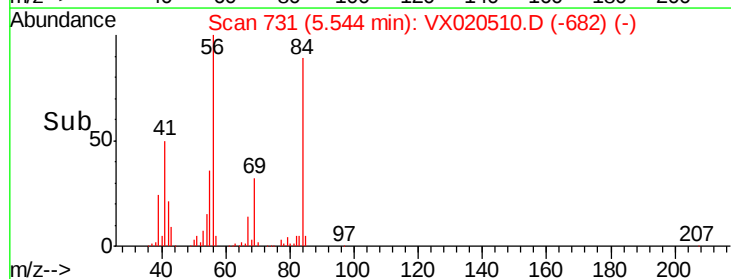
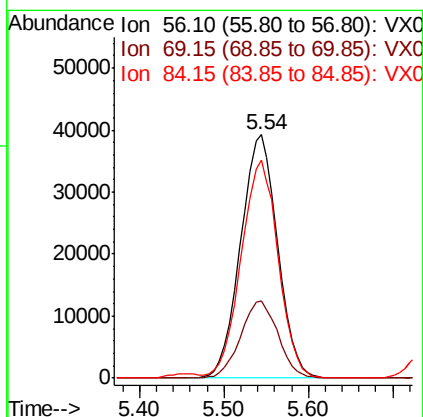
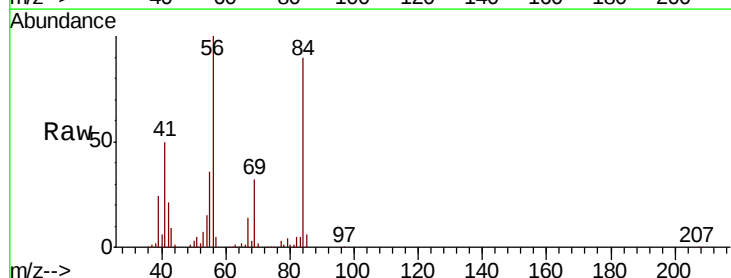
Instrument :
 MSVOA_X
 ClientSampled :

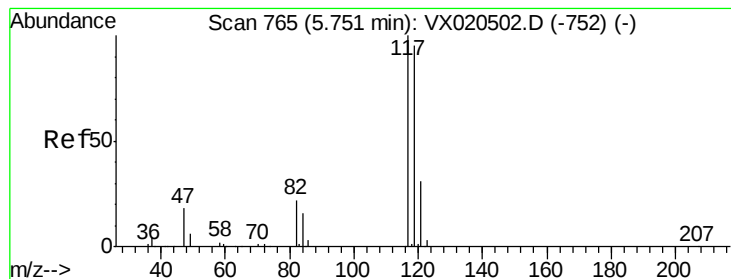
Tot Ion: 97 Resp: 119941
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.2 76.8
 61 44.0 35.3 52.9



#30
 Cyclohexane
 Concen: 5.632 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion: 56 Resp: 116773
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.8 38.6
 84 89.7 72.4 108.6





#31

Carbon tetrachloride

Concen: 5.582 ug/L

RT: 5.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

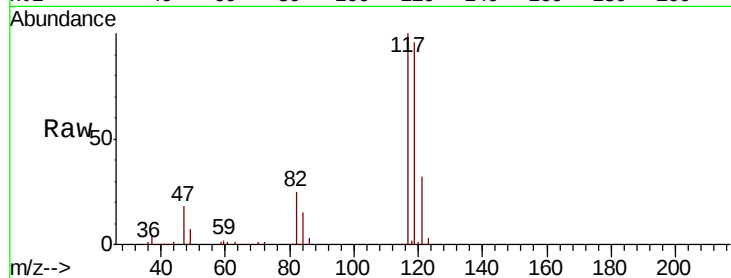
ClientSampleId :

Tot Ion:117 Resp: 105042

Ion Ratio Lower Upper

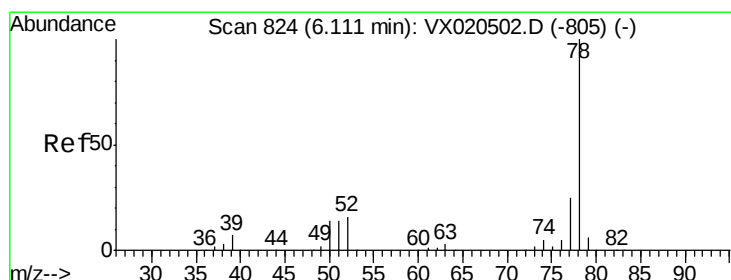
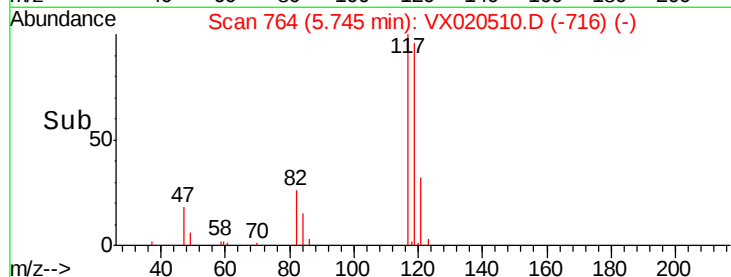
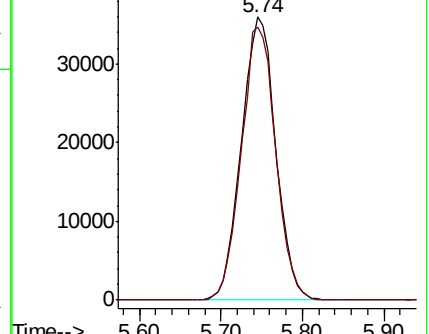
117 100

119 96.8 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: 5.610 ug/L

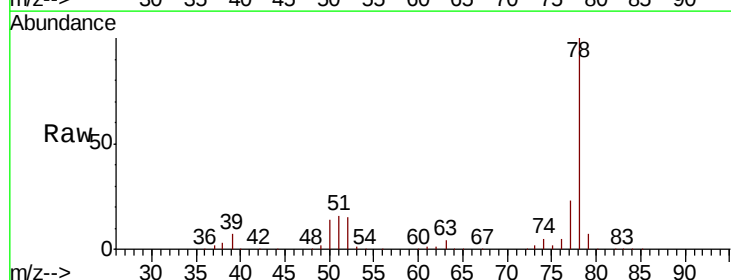
RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

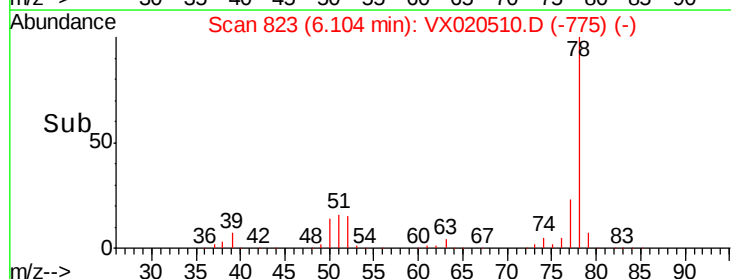
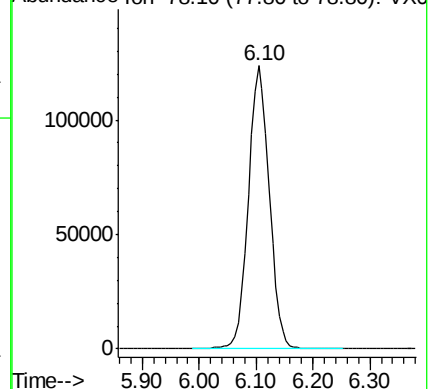
Lab File: VX020510.D

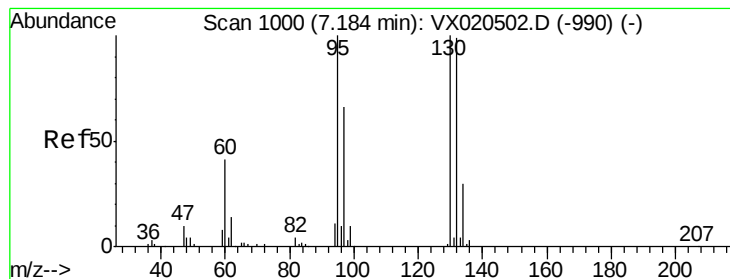
Acq: 06 Jan 2021 09:31

Tgt Ion: 78 Resp: 317081



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 5.326 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 95 Resp: 77940

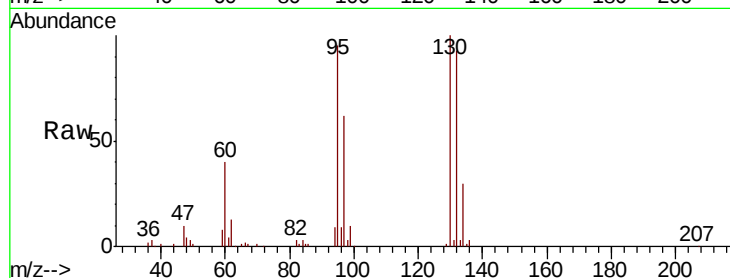
Ion Ratio Lower Upper

95 100

97 65.8 46.0 85.4

132 97.8 69.0 128.1

130 105.4 69.7 129.4

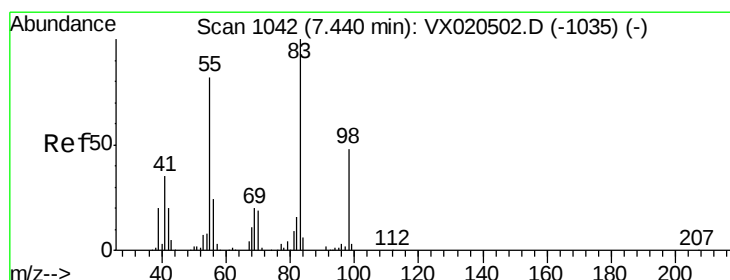
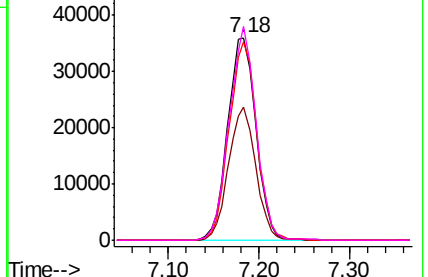
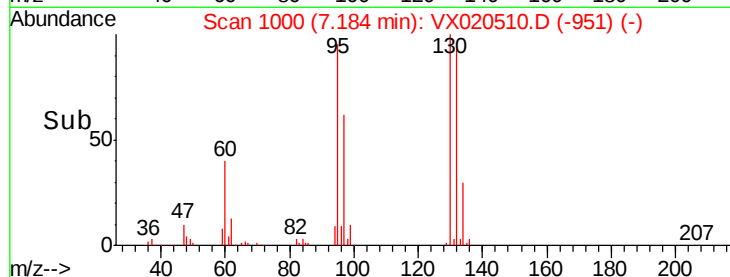


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 5.492 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

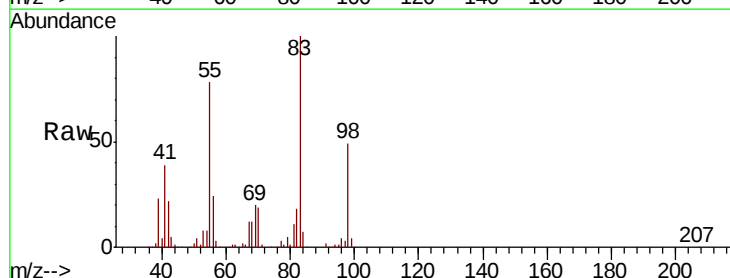
Tgt Ion: 83 Resp: 121292

Ion Ratio Lower Upper

83 100

55 77.0 63.4 95.0

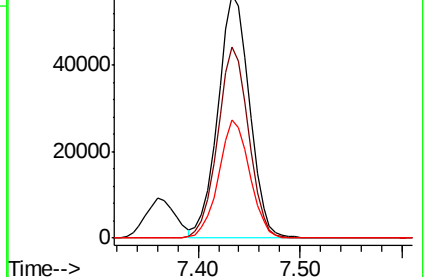
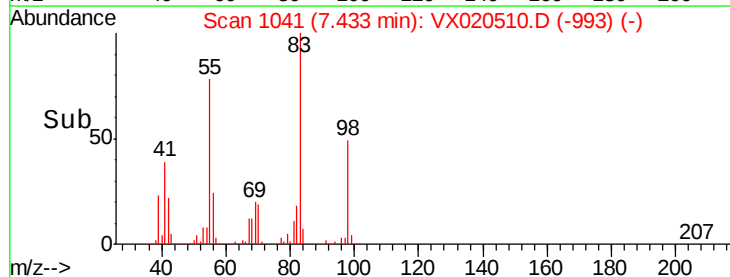
98 47.8 39.2 58.8

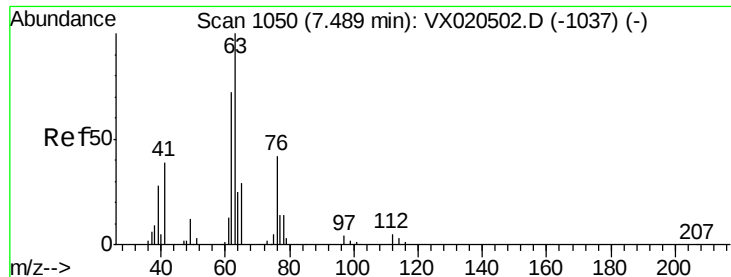


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

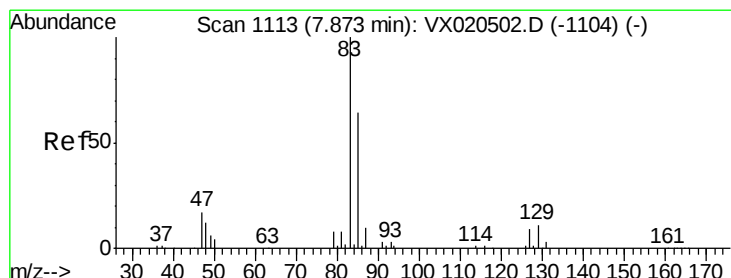
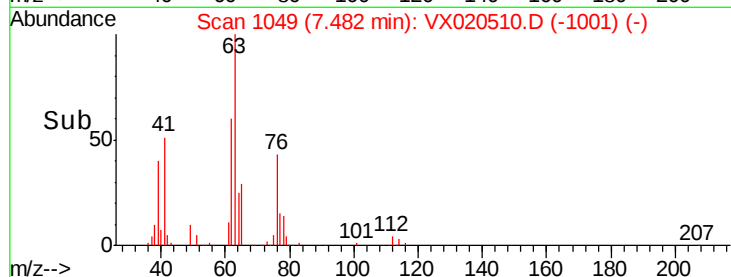
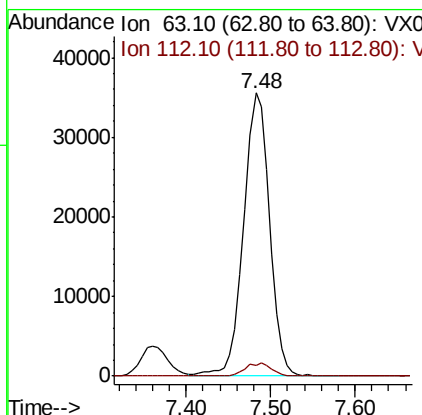
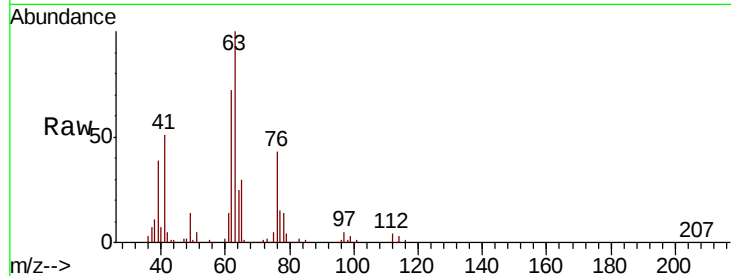




#37
 1,2-Dichloropropane
 Concen: 5.287 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

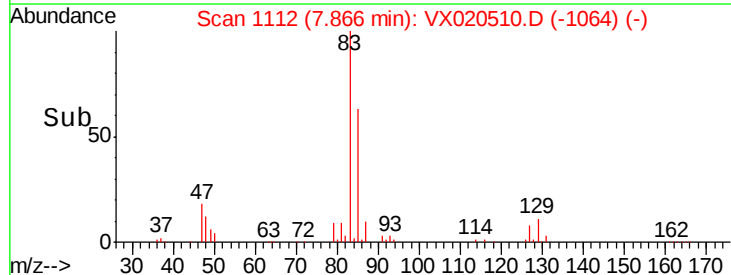
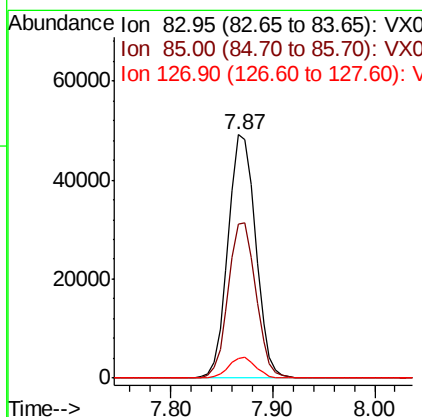
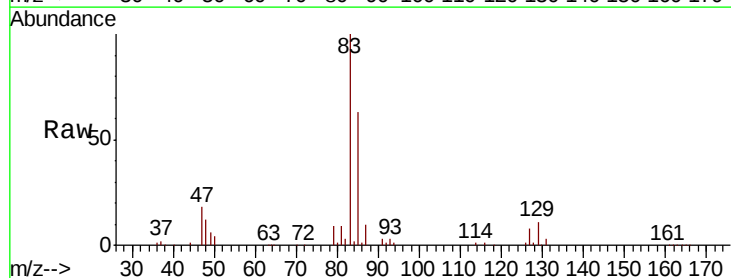
Instrument :
 MSVOA_X
 ClientSampled :

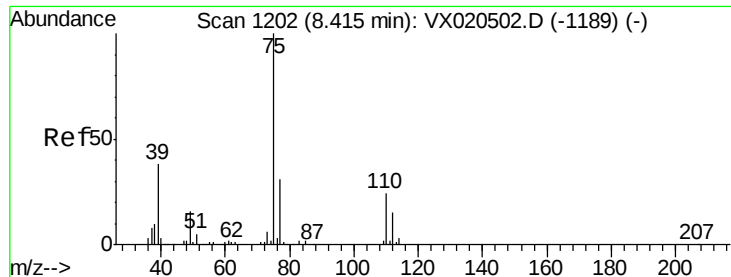
Tot Ion: 63 Resp: 73709
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.406 ug/L
 RT: 7.87 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion: 83 Resp: 92114
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.6 82.8
 127 8.1 7.0 10.4

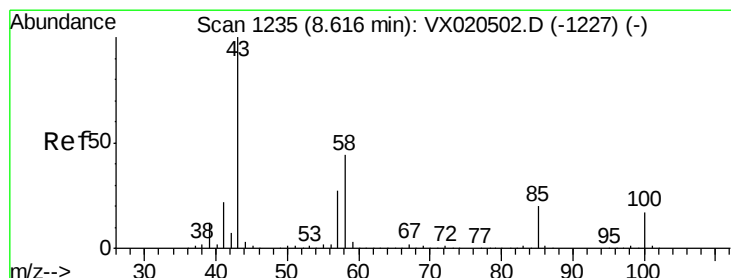
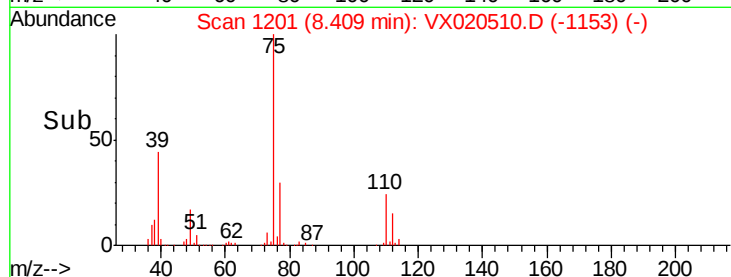
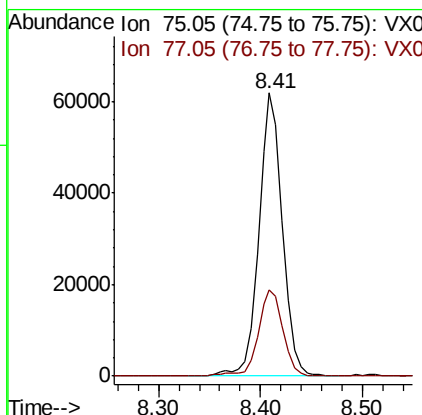
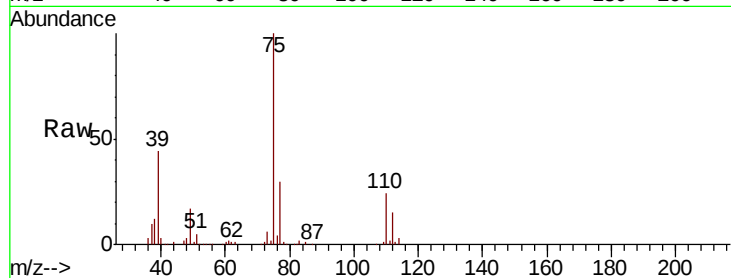




#39
 cis-1,3-Dichloropropene
 Concen: 5.263 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

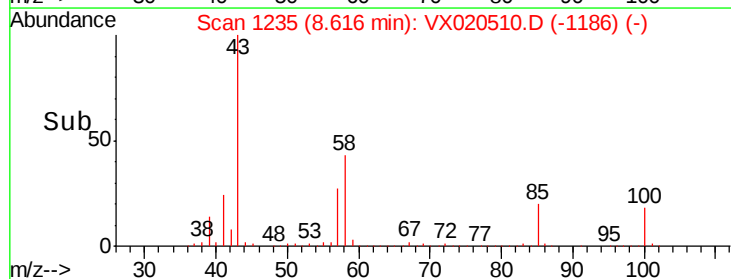
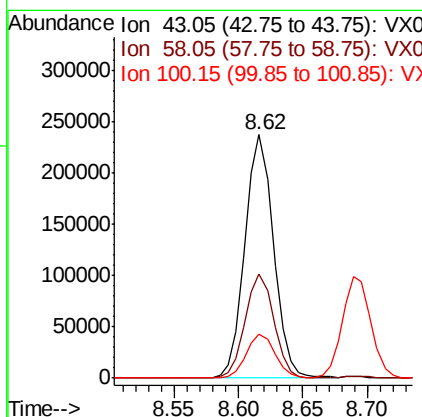
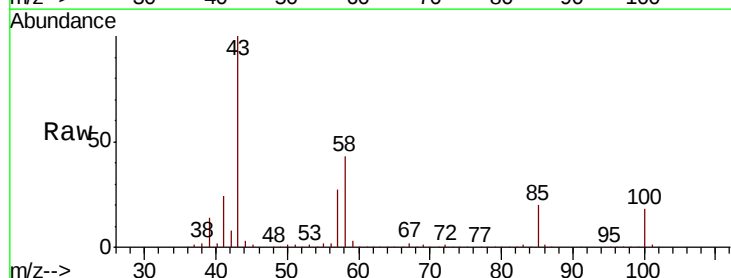
Instrument :
 MSVOA_X
 ClientSampleId :

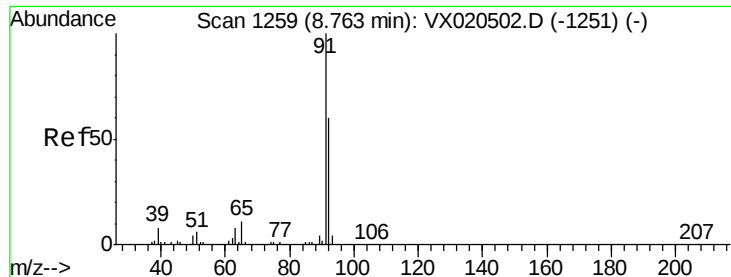
Tot Ion: 75 Resp: 99474
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 53.521 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion: 43 Resp: 365312
 Ion Ratio Lower Upper
 43 100
 58 42.9 35.0 52.4
 100 18.0 14.3 21.5





#42

Toluene

Concen: 5.696 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

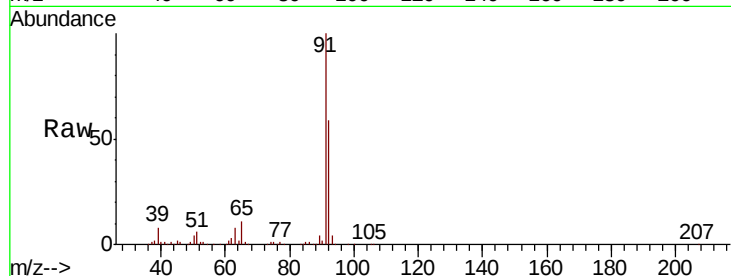
ClientSampleId :

Tot Ion: 91 Resp: 334904

Ion Ratio Lower Upper

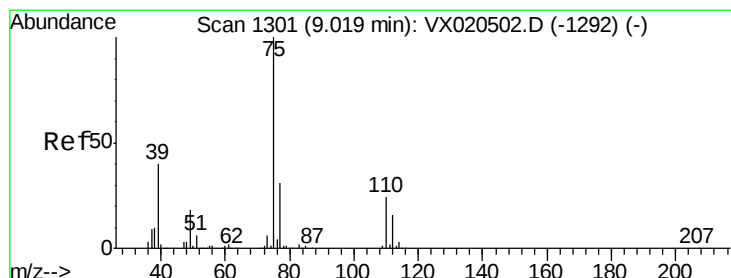
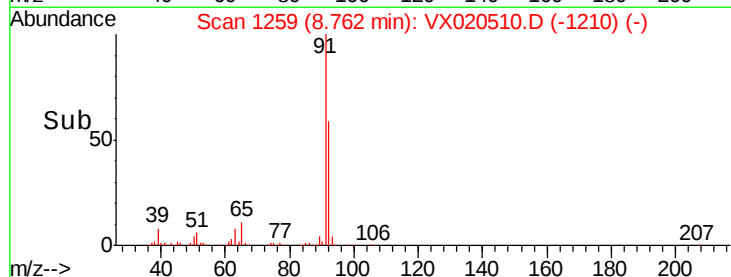
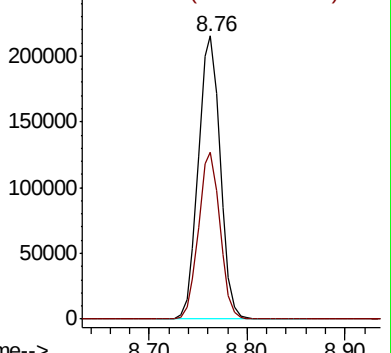
91 100

92 58.8 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: 5.529 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX020510.D

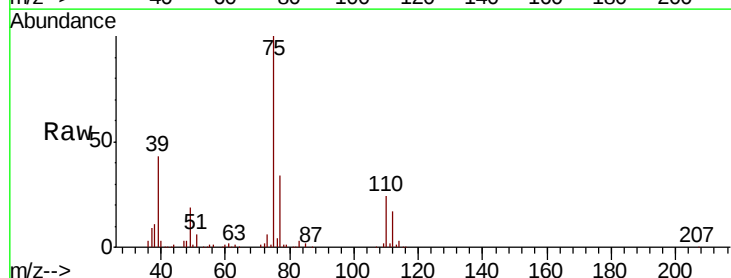
Acq: 06 Jan 2021 09:31

Tgt Ion: 75 Resp: 87820

Ion Ratio Lower Upper

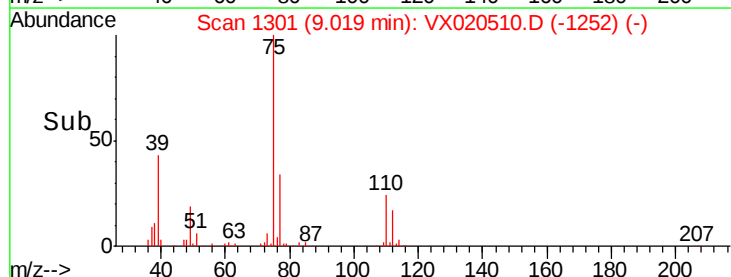
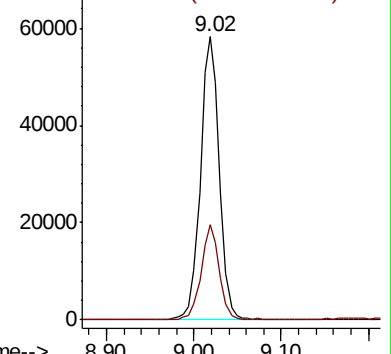
75 100

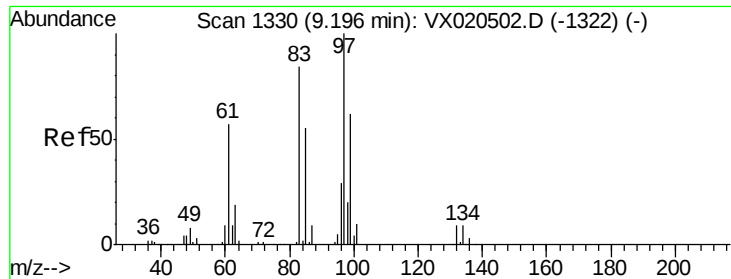
77 33.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

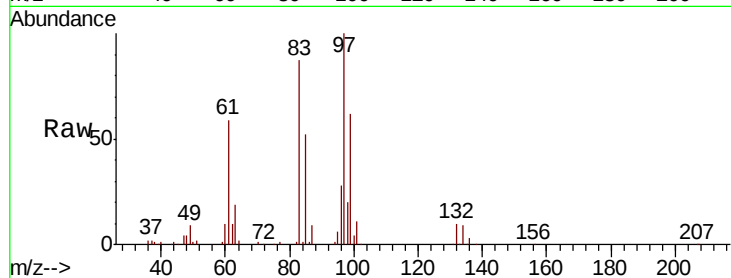




#45
 1,1,2-Trichloroethane
 Concen: 5.344 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:	97	Resp:	52575
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.4	80.6
83	86.5	58.6	108.8
85	52.2	38.5	71.5



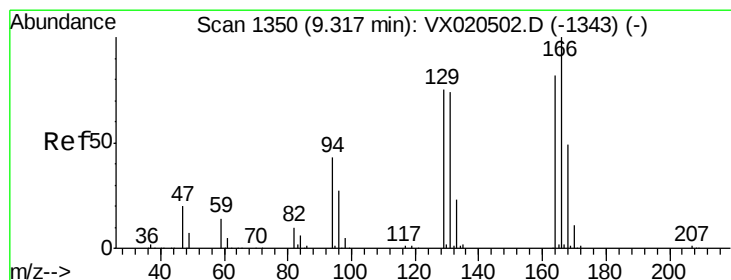
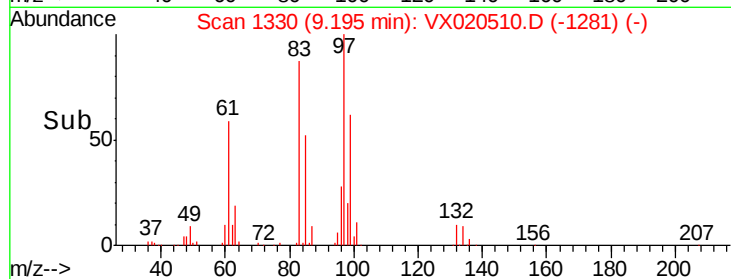
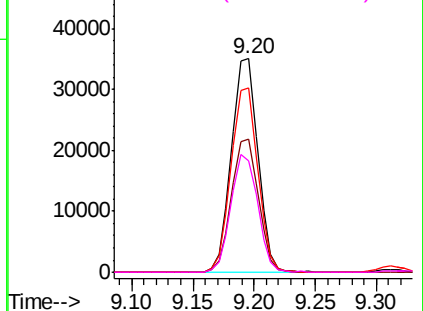
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

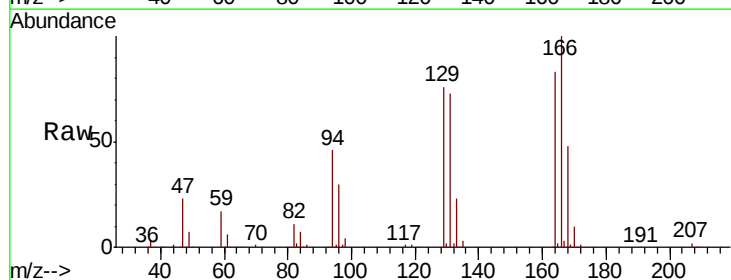
Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#47
 Tetrachloroethene
 Concen: 5.586 ug/L
 RT: 9.31 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion:	164	Resp:	66303
Ion	Ratio	Lower	Upper
164	100		
129	91.4	64.5	119.7
131	88.0	63.8	118.6
166	120.3	85.8	159.4



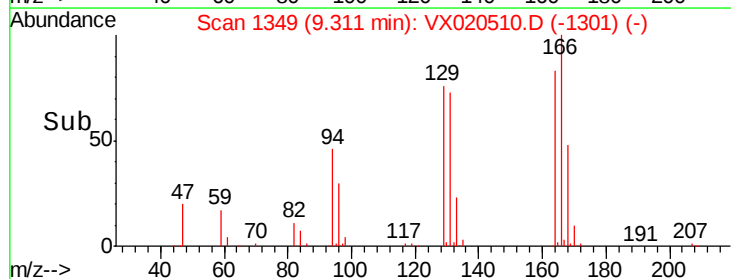
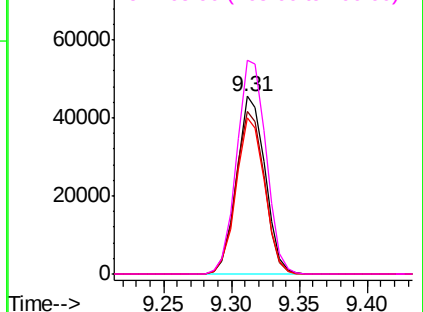
Abundance

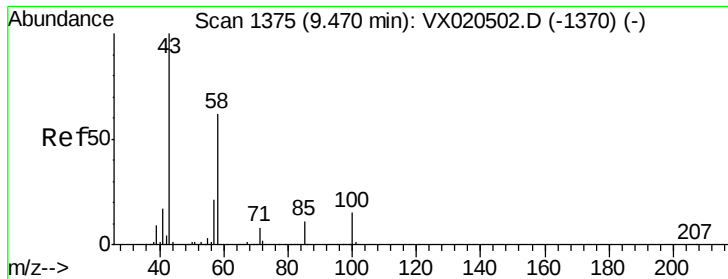
Ion 163.90 (163.60 to 164.60): V

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

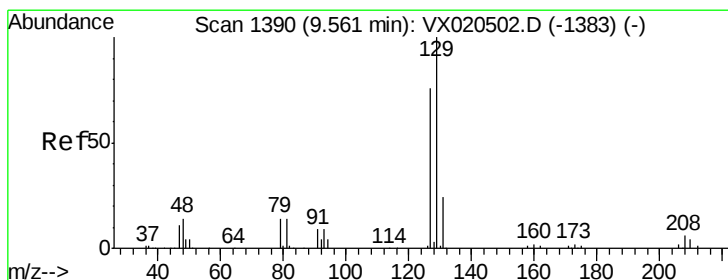
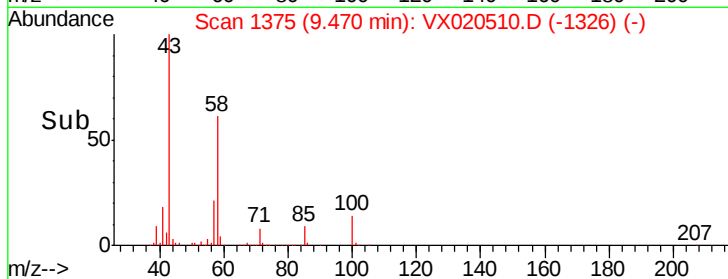
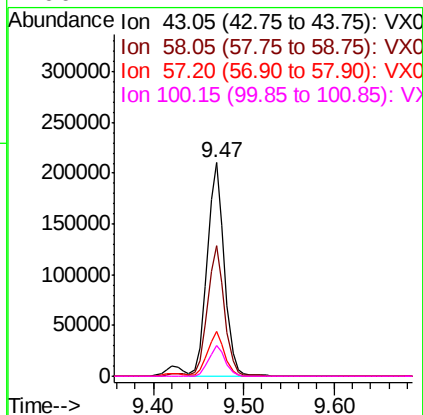
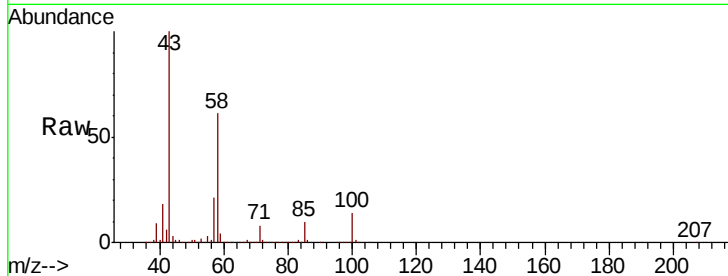




#48
2-Hexanone
Concen: 59.414 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

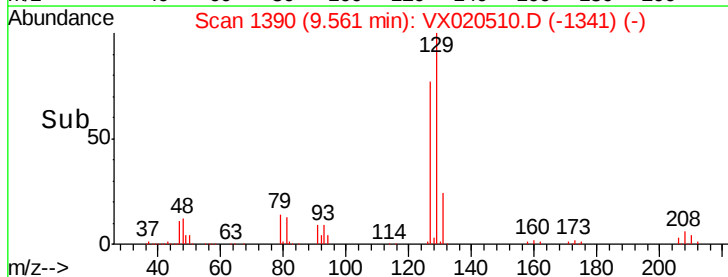
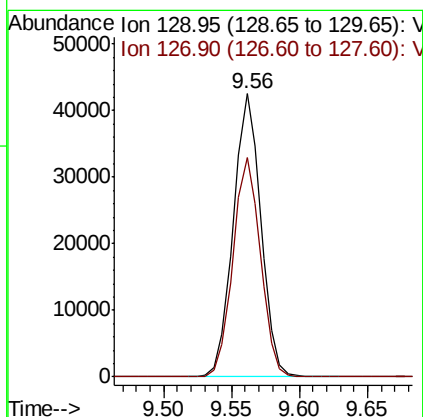
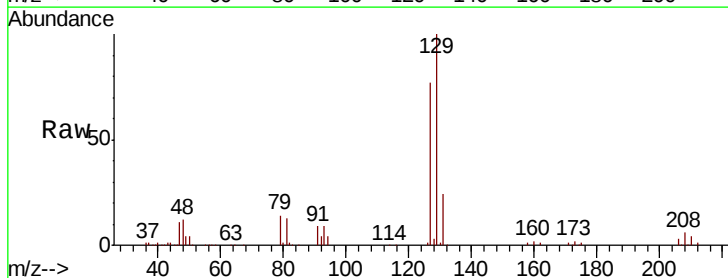
Instrument :
MSVOA_X
ClientSampleId :

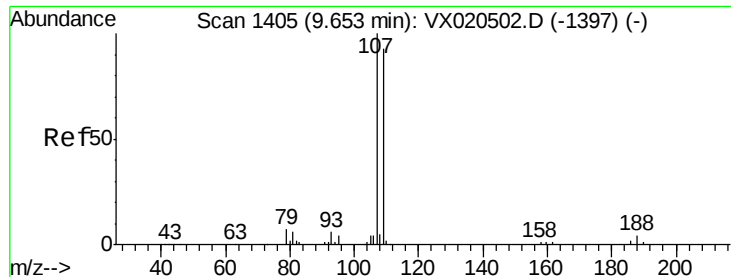
Tot Ion:	43	Resp:	279677
Ion	Ratio	Lower	Upper
43	100		
58	60.5	48.8	73.2
57	20.7	16.6	25.0
100	14.2	11.4	17.2



#49
Dibromochloromethane
Concen: 5.621 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020510.D
Acq: 06 Jan 2021 09:31

Tgt Ion:	129	Resp:	60085
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.0	98.4

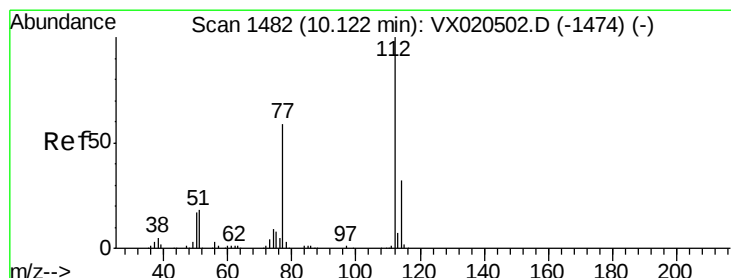
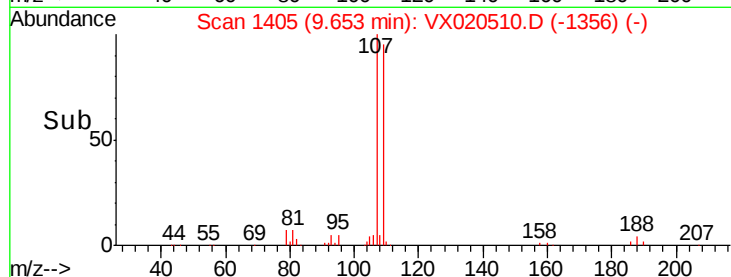
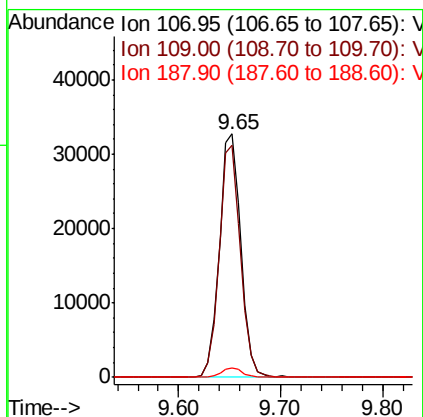
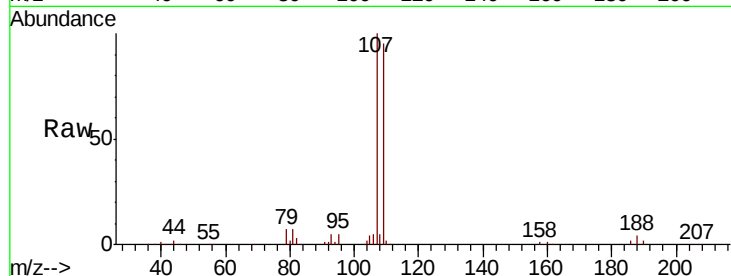




#50
 1,2-Dibromoethane
 Concen: 5.437 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

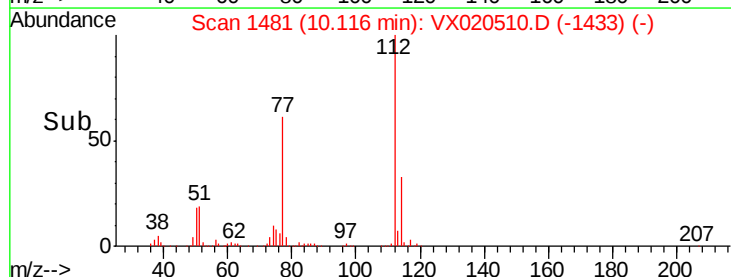
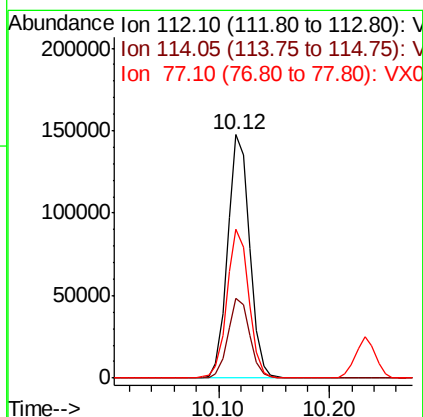
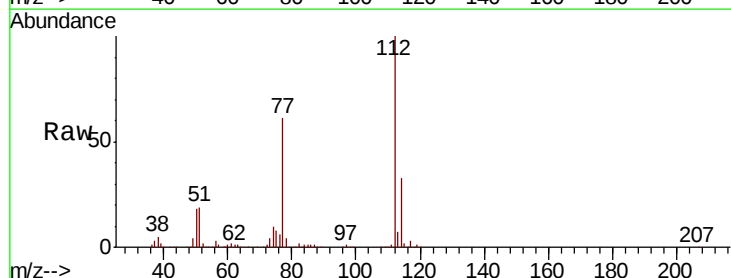
Instrument :
 MSVOA_X
 ClientSampleId :

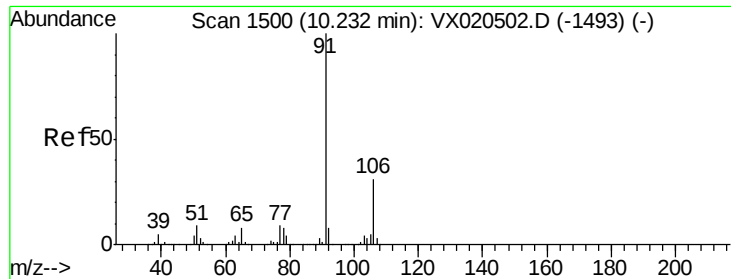
Tot Ion:107 Resp: 47976
 Ion Ratio Lower Upper
 107 100
 109 95.4 65.0 120.8
 188 3.6 3.4 5.0



#51
 Chlorobenzene
 Concen: 5.451 ug/L
 RT: 10.12 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion:112 Resp: 200819
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.1 41.1
 77 61.0 47.0 70.6





#52

Ethylbenzene

Concen: 5.675 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

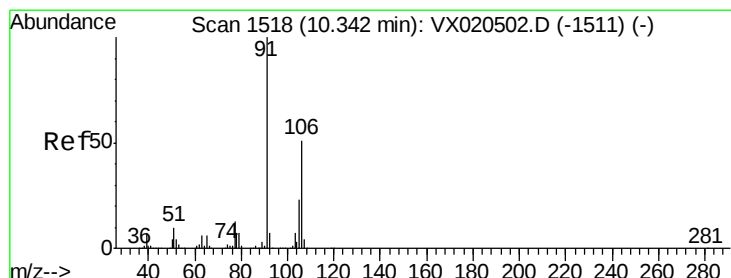
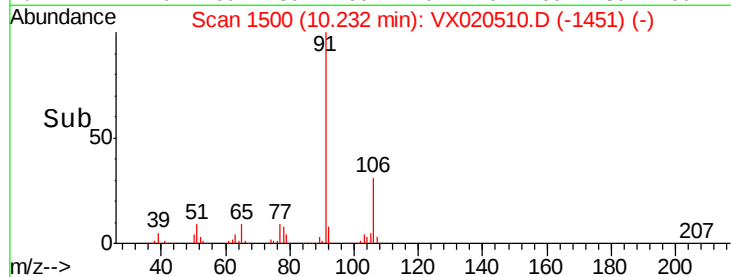
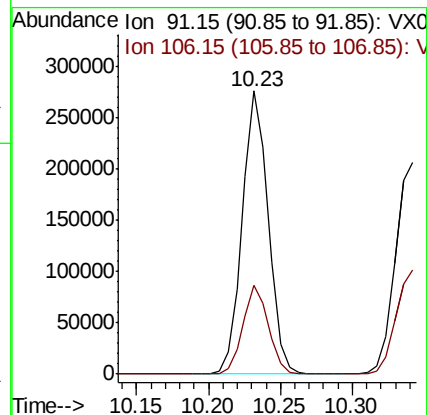
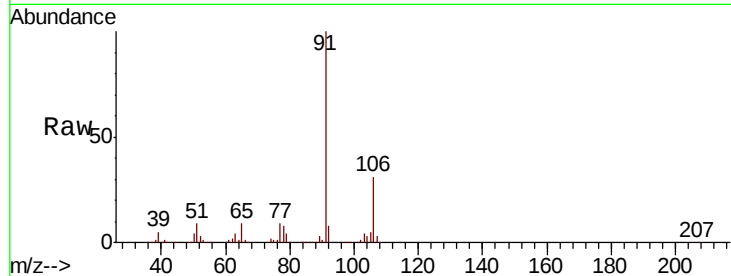
ClientSampleId :

Tot Ion: 91 Resp: 347192

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.0



#53

m,p-xylene

Concen: 5.814 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020510.D

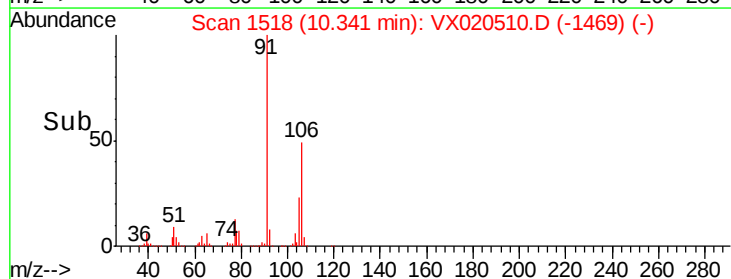
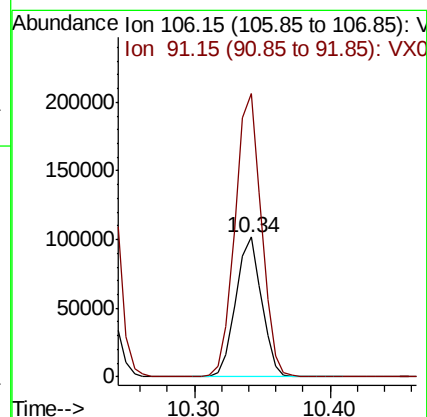
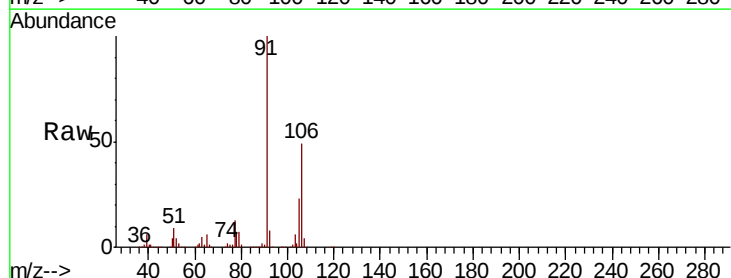
Acq: 06 Jan 2021 09:31

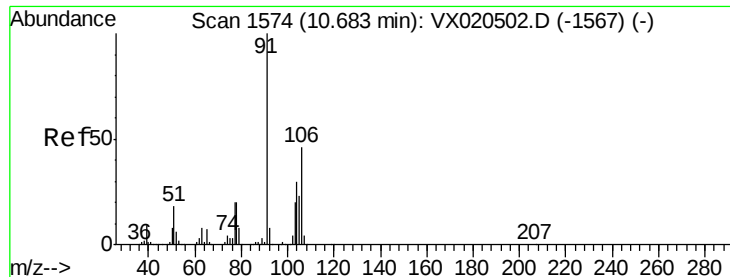
Tgt Ion: 106 Resp: 135242

Ion Ratio Lower Upper

106 100

91 202.5 137.4 255.2





#54

o-xylene

Concen: 5.504 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

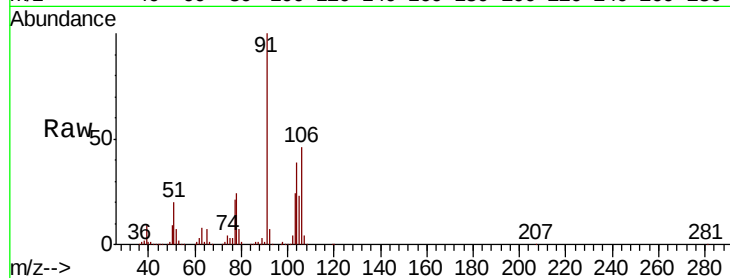
ClientSampled :

Tot Ion:106 Resp: 121963

Ion Ratio Lower Upper

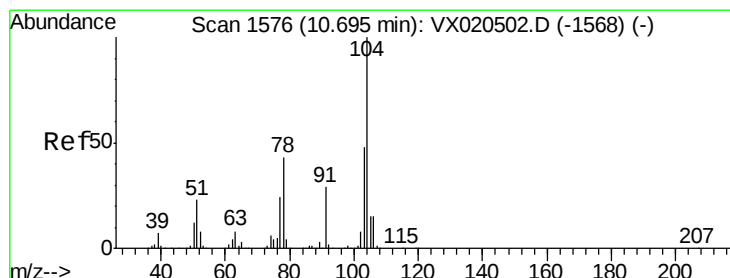
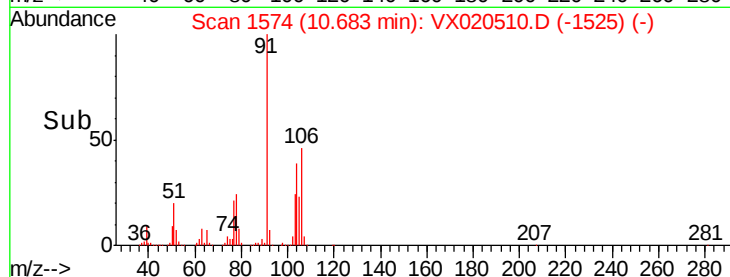
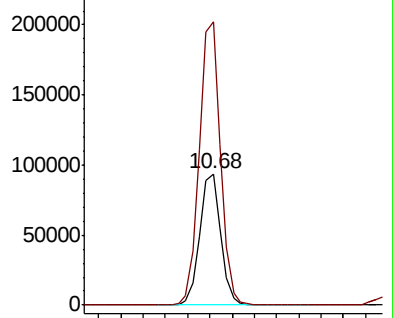
106 100

91 215.4 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 5.731 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX020510.D

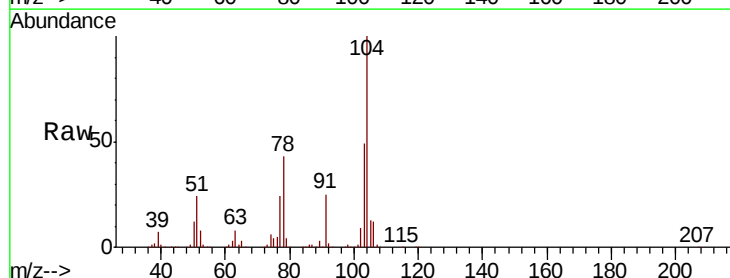
Acq: 06 Jan 2021 09:31

Tgt Ion:104 Resp: 213290

Ion Ratio Lower Upper

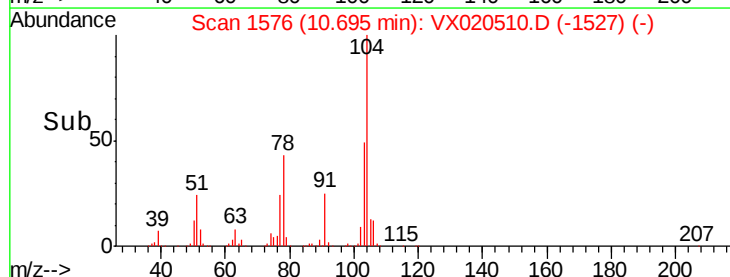
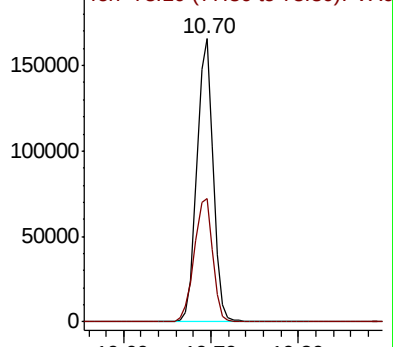
104 100

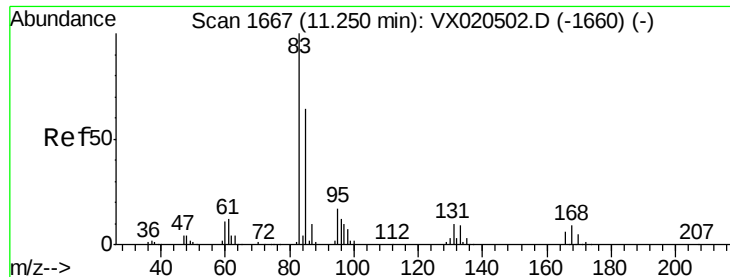
78 43.4 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0

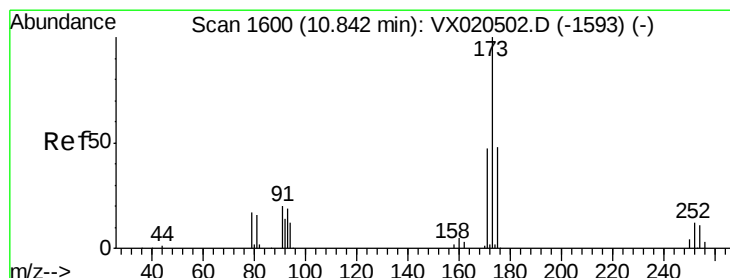
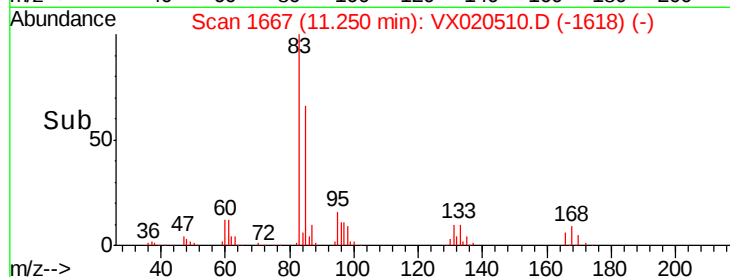
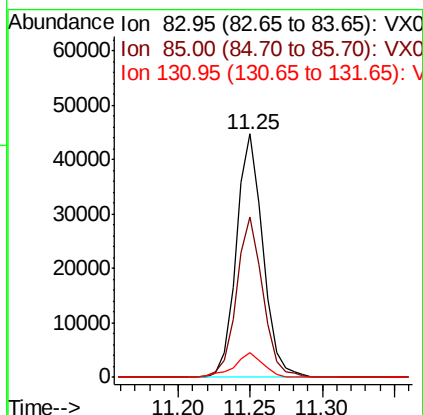
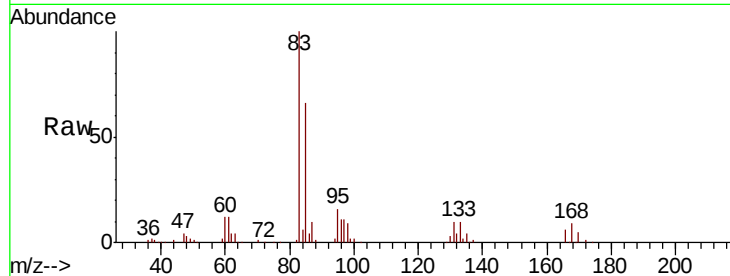




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.238 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

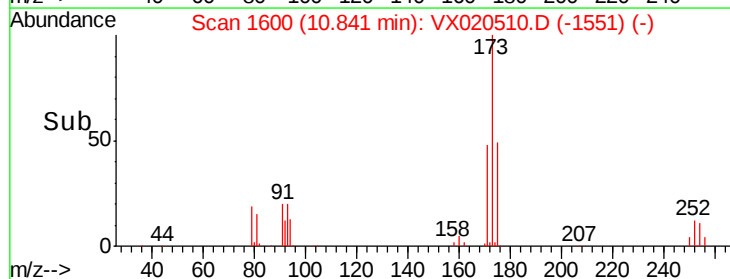
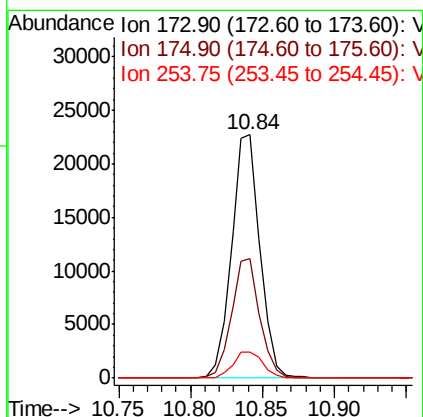
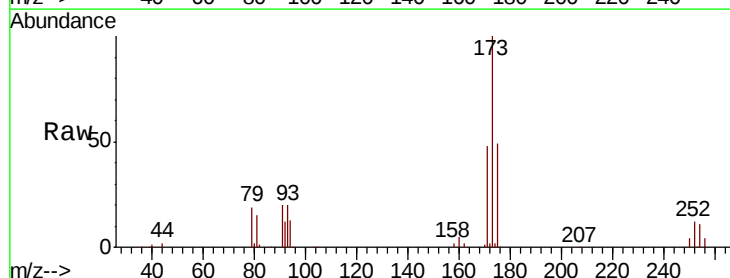
Instrument :
 MSVOA_X
 ClientSampled :

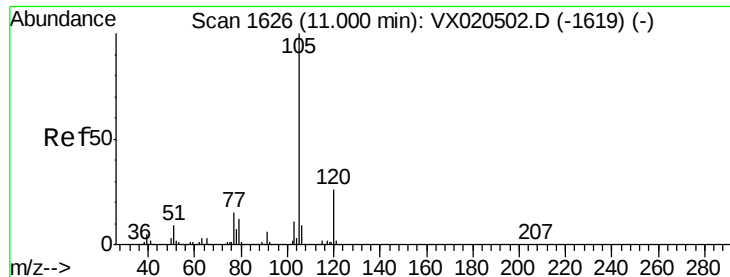
Tot Ion: 83 Resp: 57462
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.6 82.8
 131 10.0 8.2 12.2



#59
 Bromoform
 Concen: 5.495 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion: 173 Resp: 31366
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.0 57.0
 254 11.3 8.8 13.2





#60

Isopropylbenzene

Concen: 5.760 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

ClientSampleId :

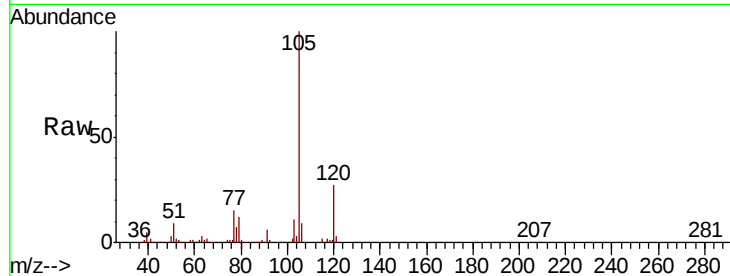
Tot Ion:105 Resp: 329704

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

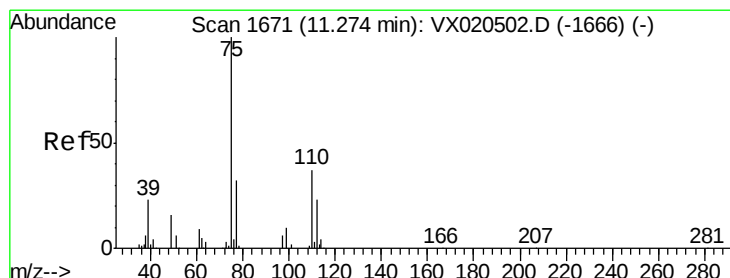
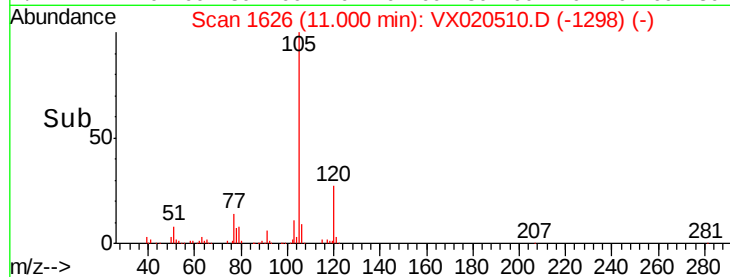
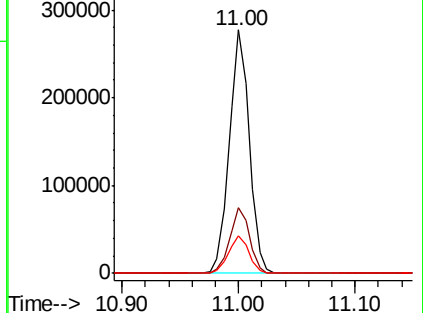
77 15.6 12.4 18.6



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: 5.340 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

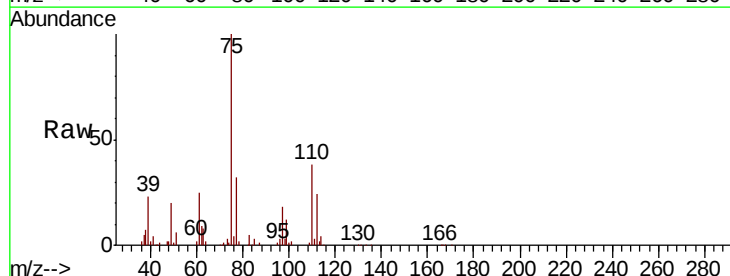
Tgt Ion: 75 Resp: 42590

Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5

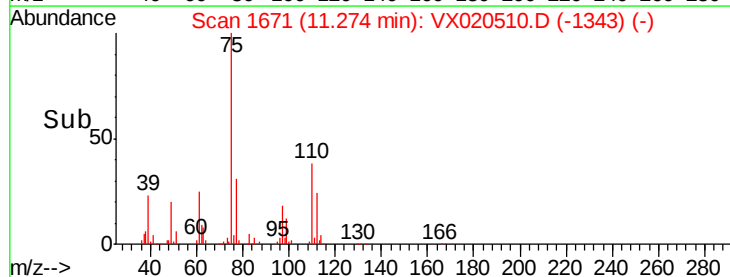
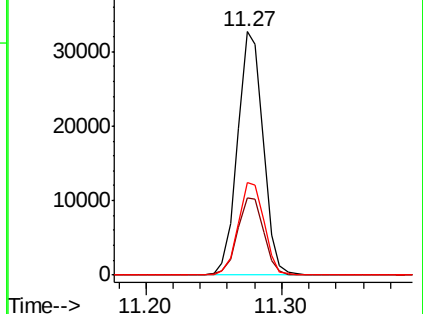
110 38.5 32.1 48.1

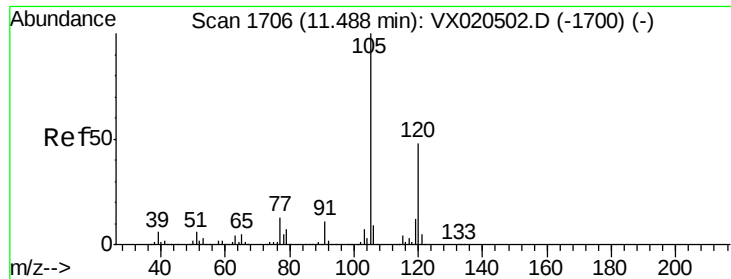


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.780 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

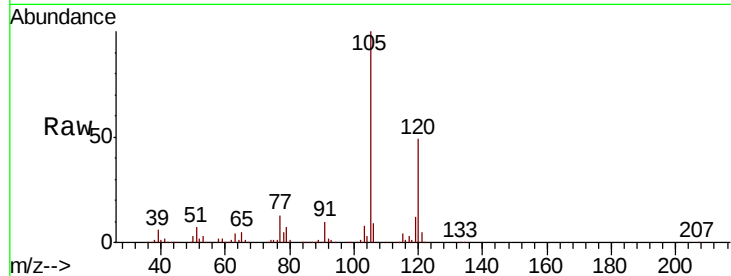
ClientSampleId :

Tot Ion:105 Resp: 266586

Ion Ratio Lower Upper

105 100

120 49.0 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

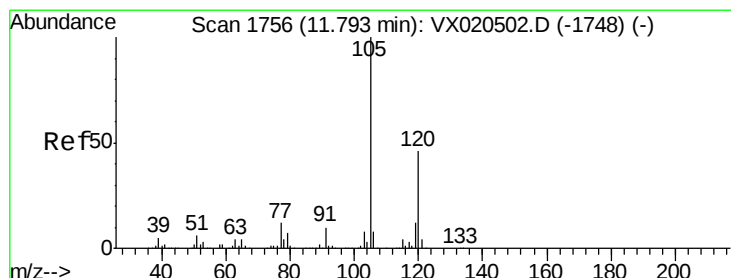
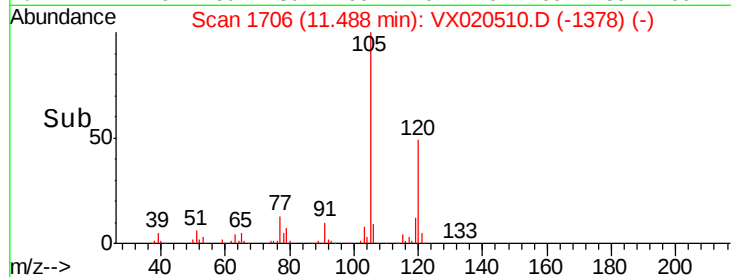
0

11.49

11.40

11.50

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 5.898 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX020510.D

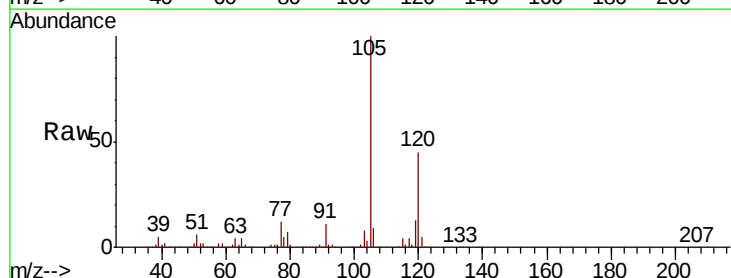
Acq: 06 Jan 2021 09:31

Tgt Ion:105 Resp: 272107

Ion Ratio Lower Upper

105 100

120 45.2 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

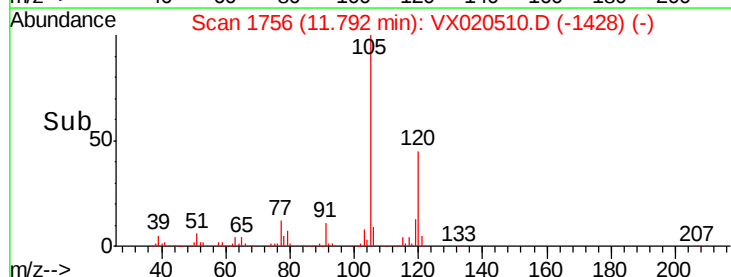
0

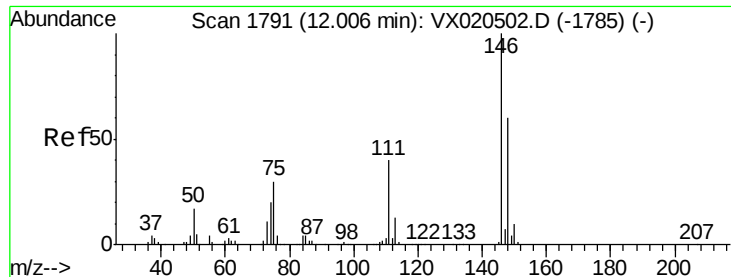
11.79

11.70

11.80

Time-->

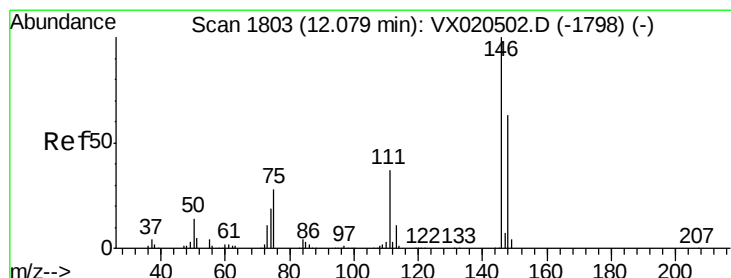
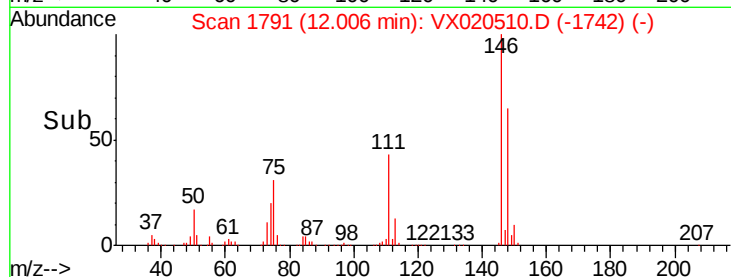
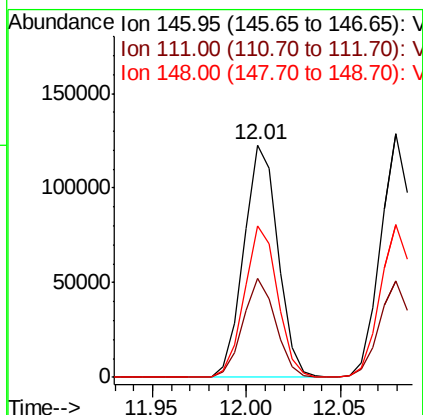
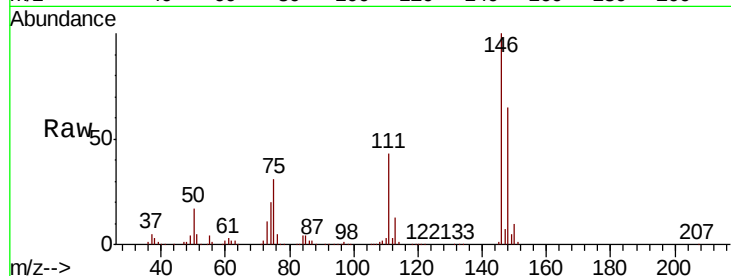




#64
 1,3-Dichlorobenzene
 Concen: 5.576 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

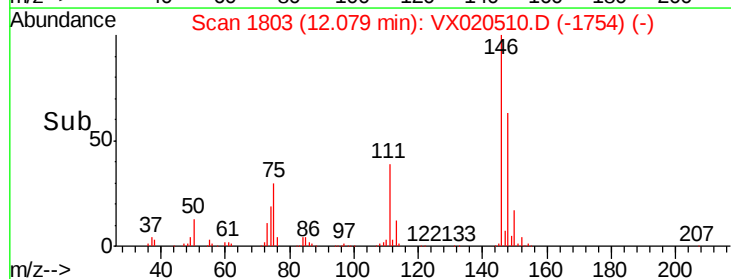
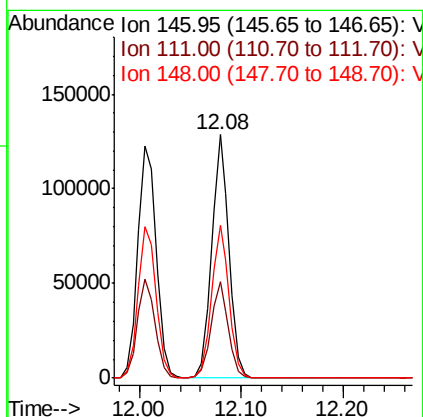
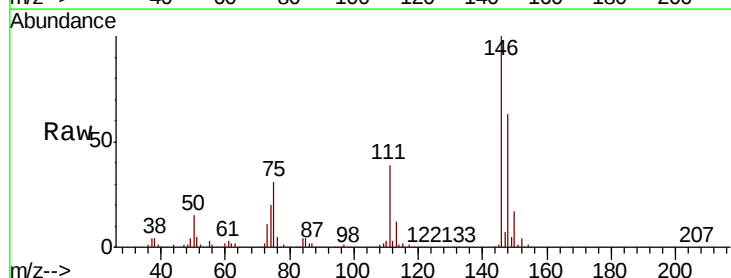
Instrument :
 MSVOA_X
 ClientSampleId :

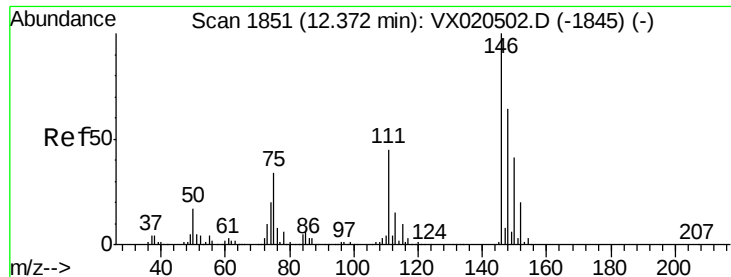
Tot Ion:146 Resp: 154236
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.2 52.4
 148 65.3 41.7 77.5



#65
 1,4-Dichlorobenzene
 Concen: 5.487 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion:146 Resp: 153317
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.2 48.8
 148 62.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.390 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

ClientSampleId :

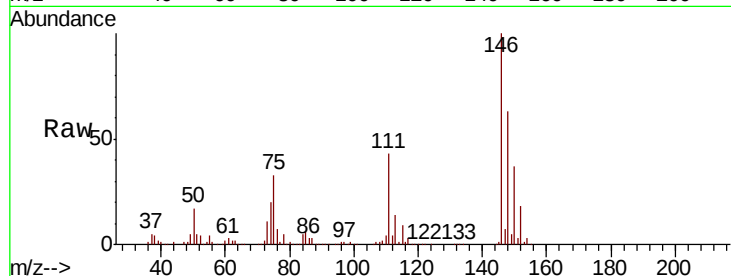
Tot Ion:146 Resp: 138909

Ion Ratio Lower Upper

146 100

111 42.7 36.3 54.5

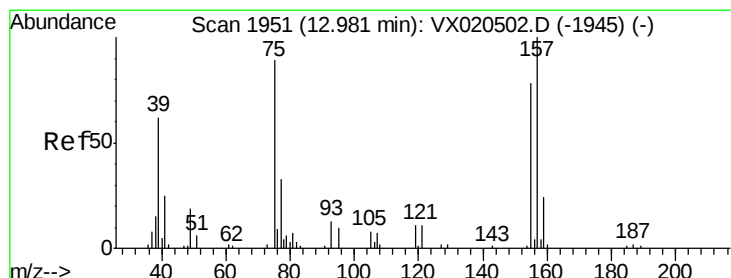
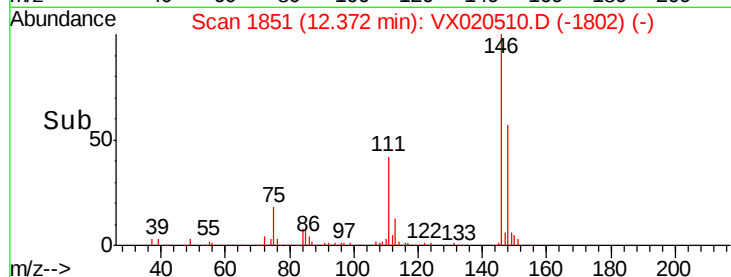
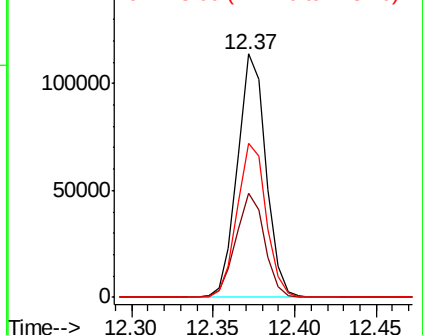
148 63.0 51.5 77.3



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: 5.331 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

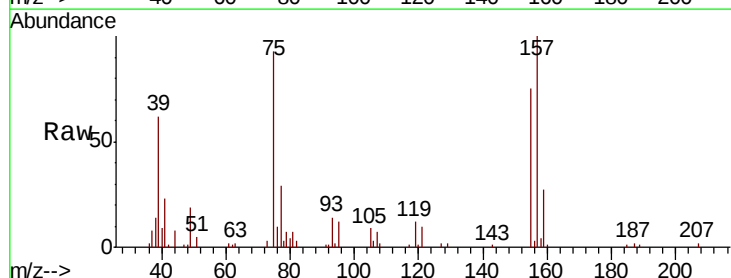
Tgt Ion: 75 Resp: 9128

Ion Ratio Lower Upper

75 100

155 80.8 69.8 104.8

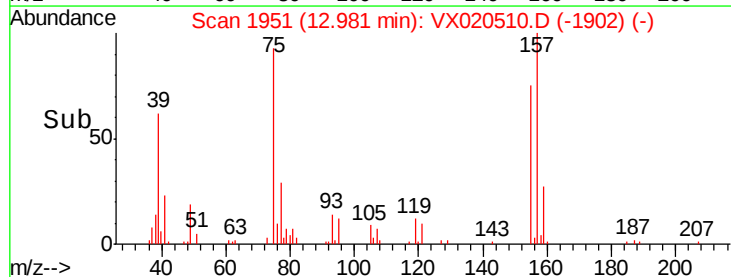
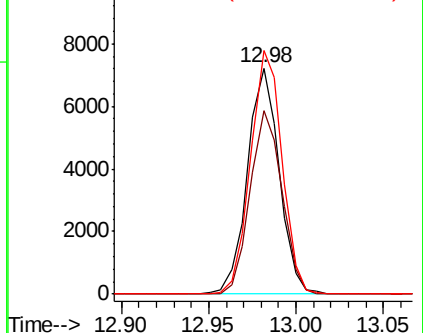
157 107.6 90.0 135.0

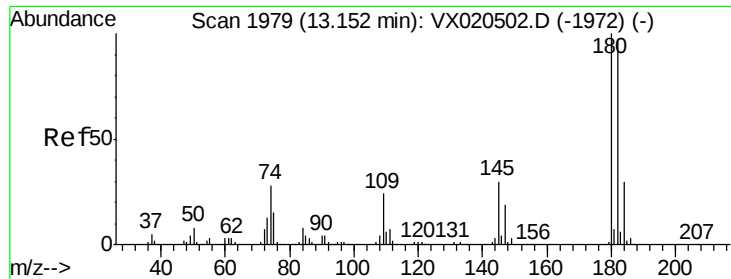


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

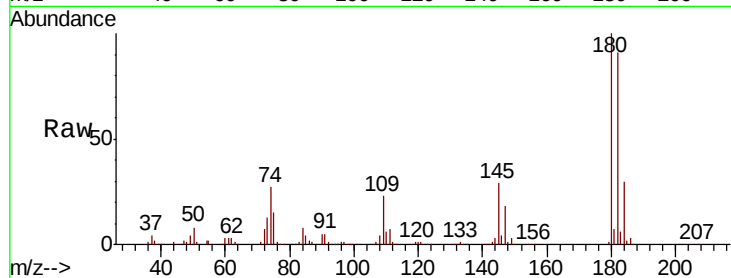




#69
 1,3,5-Trichlorobenzene
 Concen: 5.430 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
184	31.2	24.6	36.8
145	30.4	23.6	35.4



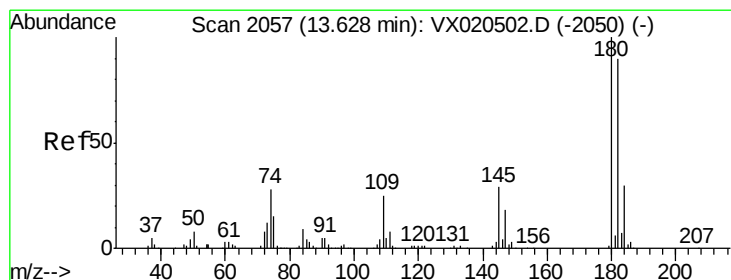
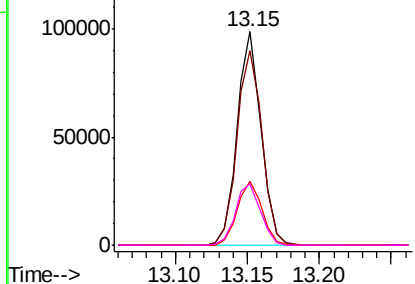
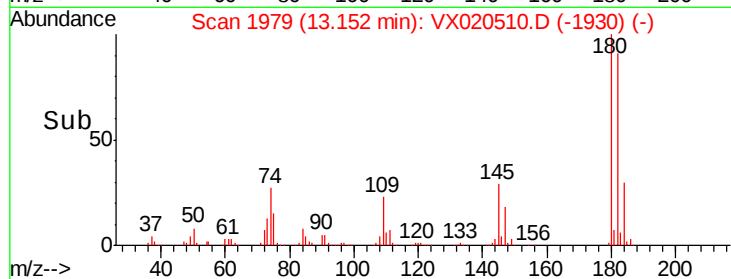
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

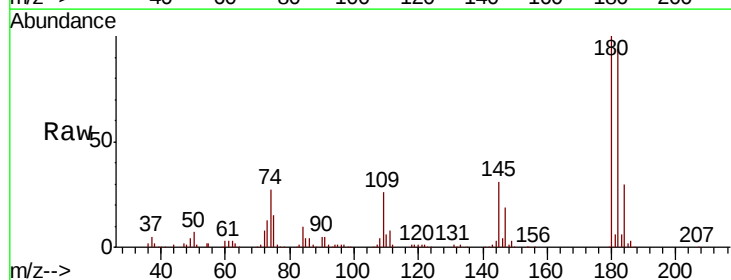
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.559 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020510.D
 Acq: 06 Jan 2021 09:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.3	111.5
145	29.6	24.1	36.1

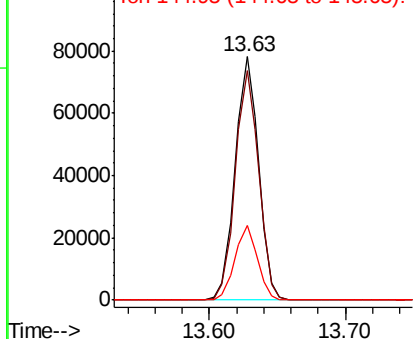
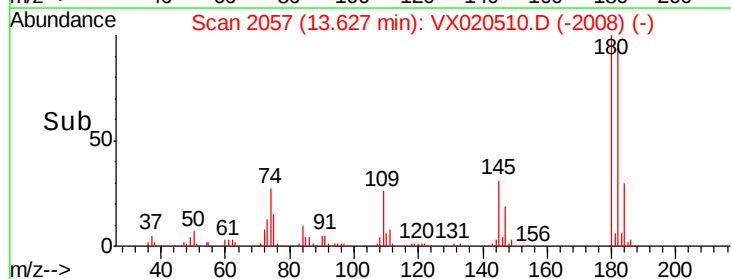


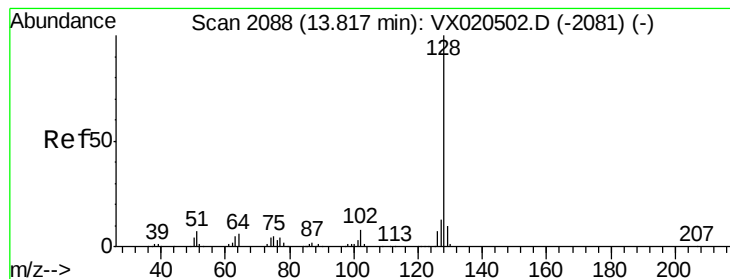
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 5.439 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

Instrument :

MSVOA_X

ClientSampleId :

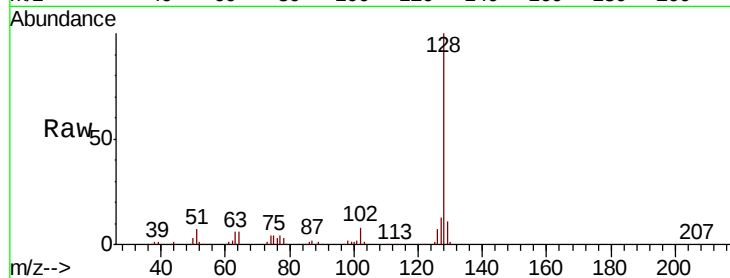
Tot Ion:128 Resp: 149646

Ion Ratio Lower Upper

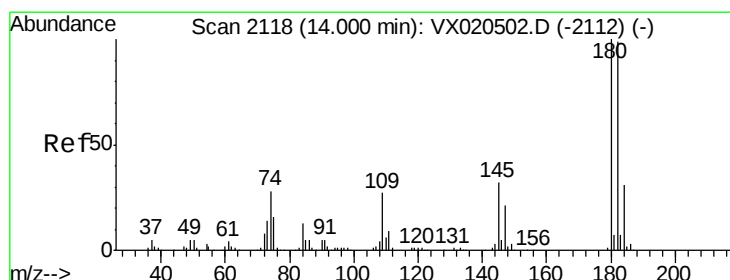
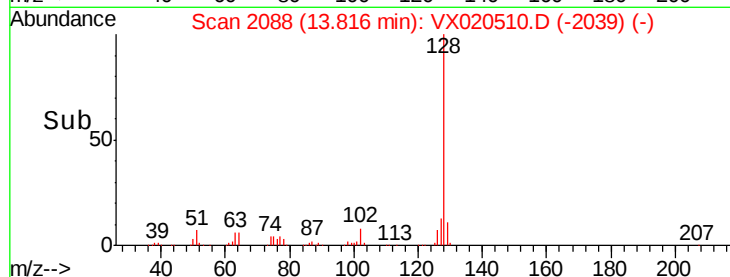
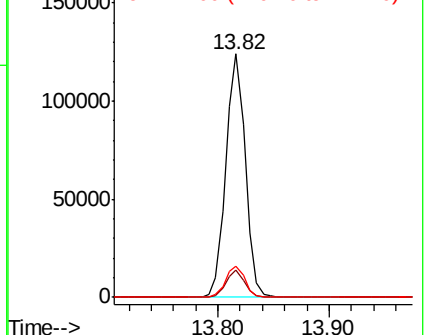
128 100

129 10.6 8.4 12.6

127 12.9 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.539 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX020510.D

Acq: 06 Jan 2021 09:31

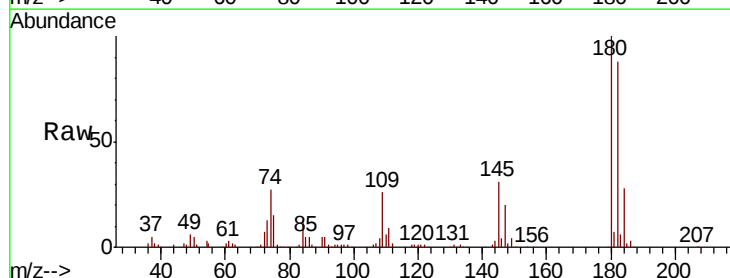
Tgt Ion:180 Resp: 85909

Ion Ratio Lower Upper

180 100

182 92.2 79.3 118.9

145 32.1 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

