

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010521\
 Data File : VX020502.D
 Acq On : 05 Jan 2021 16:55
 Operator : JC/MD
 Sample : VSTD00564
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

Quant Time: Jan 06 04:39:02 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	6.83	114	158115	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	153845	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	80640	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61257	5.76	ug/L	0.00
7) Chloroethane-d5	1.69	69	54533	6.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	124032	5.93	ug/L	0.00
20) 2-Butanone-d5	4.53	46	136323	59.05	ug/L	0.00
24) Chloroform-d	5.14	84	121841	6.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	60208	5.38	ug/L	0.00
32) Benzene-d6	6.04	84	254963	5.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	74560	6.00	ug/L	0.00
41) Toluene-d8	8.70	98	225177	5.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	26422	5.16	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	127878	56.17	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	52936	5.66	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	77335	5.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	86669	6.257	ug/L 100
3) Chloromethane	1.31	50	73493	6.176	ug/L 100
5) Vinyl chloride	1.39	62	81040	6.080	ug/L 100
6) Bromomethane	1.63	94	45112	5.414	ug/L 100
8) Chloroethane	1.71	64	48111	5.975	ug/L 100
9) Trichlorofluoromethane	1.92	101	107793	5.713	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	61154	5.712	ug/L 100
12) 1,1-Dichloroethene	2.36	96	59581	5.719	ug/L 100
13) Acetone	2.42	43	83532	62.382	ug/L 100
14) Carbon disulfide	2.55	76	195998	5.948	ug/L 100
15) Methyl Acetate	2.75	43	22279	6.266	ug/L 100
16) Methylene chloride	2.83	84	66114	5.264	ug/L 100
17) Methyl tert-butyl Ether	3.17	73	132547	5.405	ug/L 100
18) trans-1,2-Dichloroethene	3.14	96	64471	5.831	ug/L 100
19) 1,1-Dichloroethane	3.67	63	114133	5.984	ug/L 100
21) 2-Butanone	4.63	43	138583	59.717	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	68522	5.810	ug/L 100
23) Bromochloromethane	4.98	128	29869	6.057	ug/L 100
25) Chloroform	5.17	83	120643	6.047	ug/L 100
27) 1,2-Dichloroethane	6.16	62	71177	5.801	ug/L 100
29) 1,1,1-Trichloroethane	5.46	97	103275	5.376	ug/L 100
30) Cyclohexane	5.54	56	97993	5.160	ug/L 100
31) Carbon tetrachloride	5.75	117	89545	5.437	ug/L 100
33) Benzene	6.11	78	277422	5.844	ug/L 100
34) Trichloroethene	7.18	95	68313	5.385	ug/L 100
35) Methylcyclohexane	7.44	83	106894	5.239	ug/L 100
37) 1,2-Dichloropropane	7.49	63	66425	5.925	ug/L 100
38) Bromodichloromethane	7.87	83	80529	5.598	ug/L 100
39) cis-1,3-Dichloropropene	8.42	75	88409	5.298	ug/L 100
40) 4-Methyl-2-pentanone	8.62	43	339388	57.573	ug/L 100

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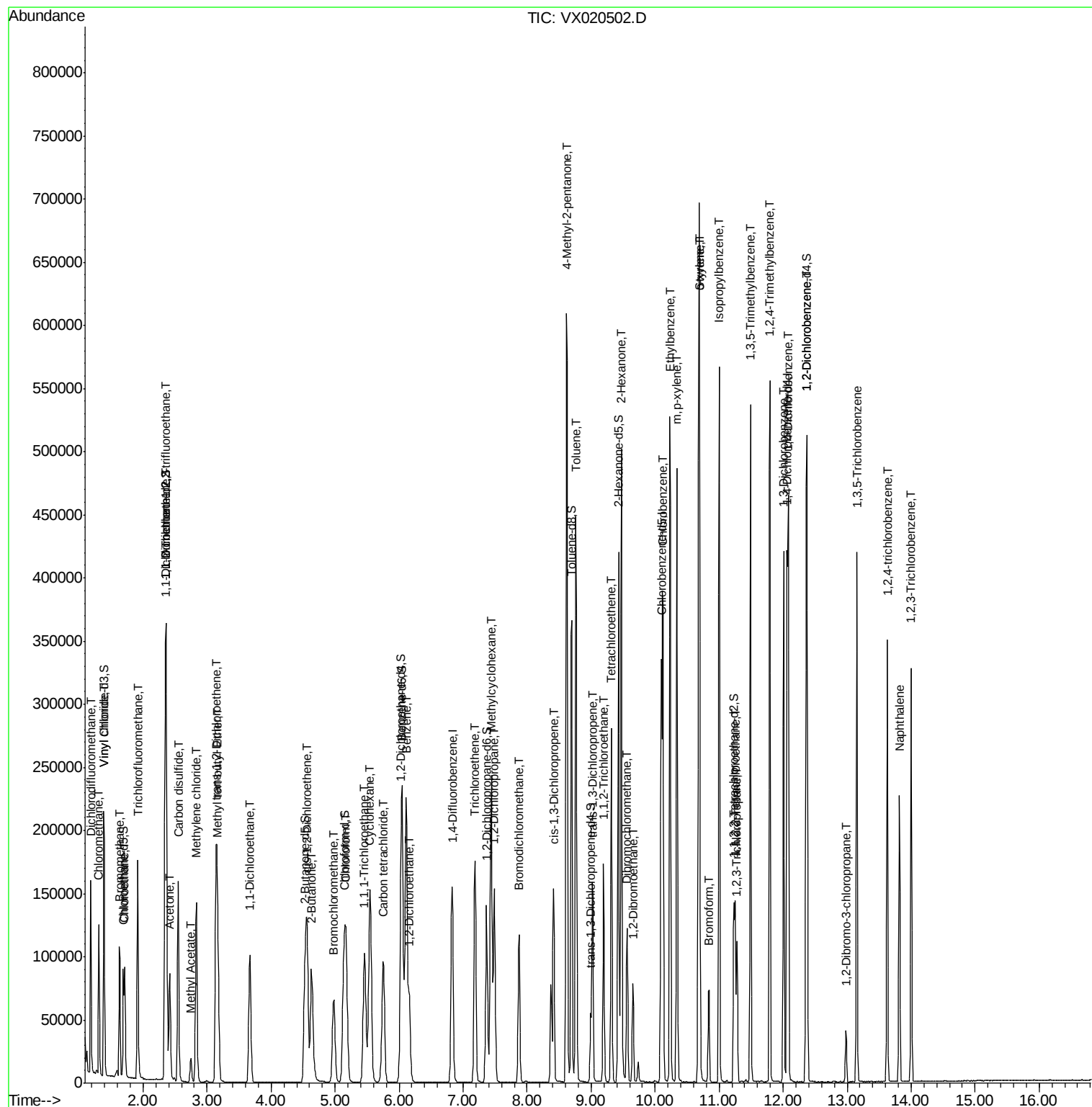
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	290118	5.708	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	76680	5.461	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	46513	5.746	ug/L	100
47) Tetrachloroethene	9.32	164	57570	5.814	ug/L	100
48) 2-Hexanone	9.47	43	247155	59.444	ug/L	100
49) Dibromochloromethane	9.56	129	52895	5.658	ug/L	100
50) 1,2-Dibromoethane	9.65	107	43310	5.764	ug/L	100
51) Chlorobenzene	10.12	112	173523	5.445	ug/L	100
52) Ethylbenzene	10.23	91	297427	5.329	ug/L	100
53) m,p-xylene	10.34	106	115359	5.378	ug/L	100
54) o-xylene	10.68	106	107817	5.276	ug/L	100
55) Styrene	10.70	104	187691	5.556	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	52256	5.687	ug/L	100
59) Bromoform	10.84	173	27391	5.178	ug/L	100
60) Isopropylbenzene	11.00	105	288530	4.932	ug/L	100
61) 1,2,3-Trichloropropane	11.27	75	37794	5.231	ug/L	100
62) 1,3,5-Trimethylbenzene	11.49	105	233134	4.805	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	237693	4.826	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	136894	5.208	ug/L	100
65) 1,4-Dichlorobenzene	12.08	146	138547	5.236	ug/L	100
67) 1,2-Dichlorobenzene	12.37	146	125729	5.197	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.98	75	8015	4.935	ug/L	100
69) 1,3,5-Trichlorobenzene	13.15	180	101508	5.267	ug/L	100
70) 1,2,4-trichlorobenzene	13.63	180	83335	4.991	ug/L	100
71) Naphthalene	13.82	128	135712	4.641	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	77234	5.198	ug/L	100

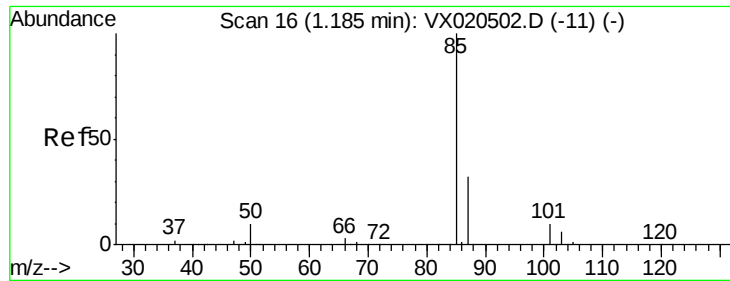
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#2

Dichlorodifluoromethane

Concen: 6.257 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

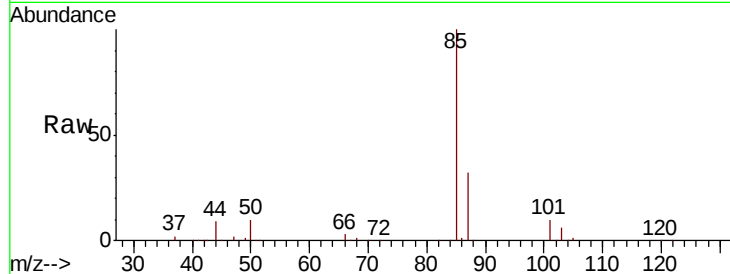
VSTD005304

Tot Ion: 85 Resp: 86669

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

100000

80000

60000

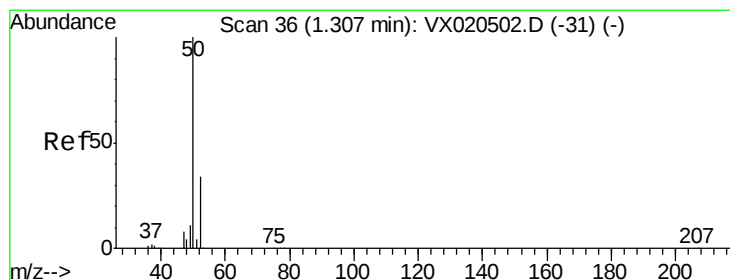
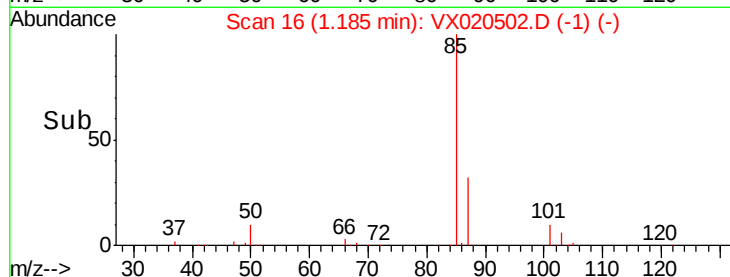
40000

20000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 6.176 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX020502.D

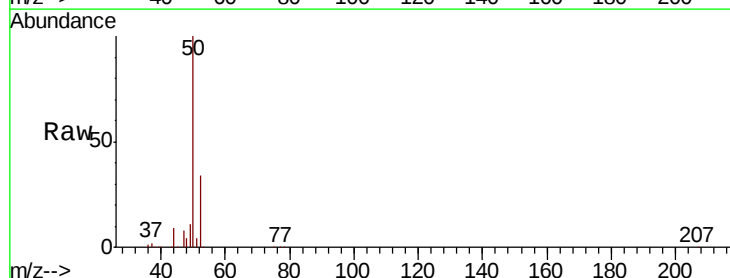
Acq: 05 Jan 2021 16:55

Tgt Ion: 50 Resp: 73493

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

1.31

80000

60000

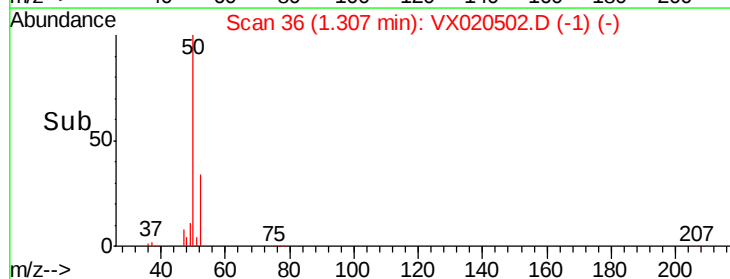
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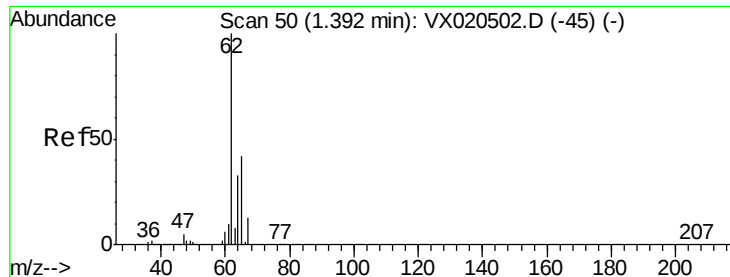
20000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 6.080 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

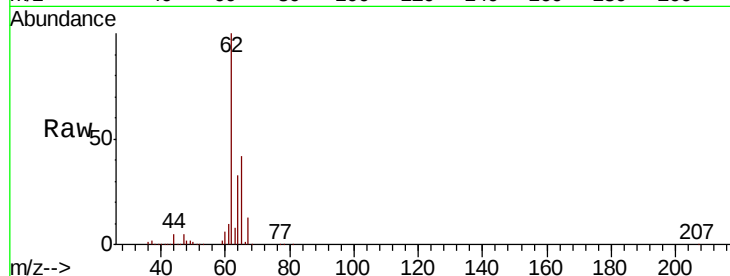
VSTD005304

Tot Ion: 62 Resp: 81040

Ion Ratio Lower Upper

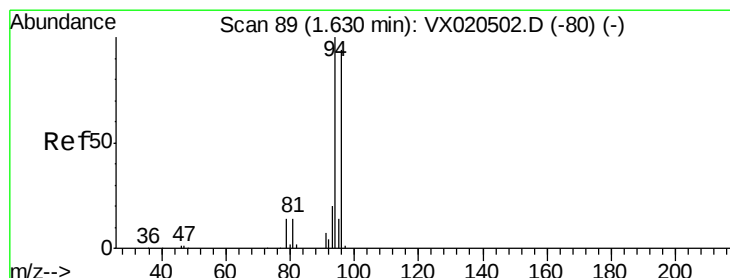
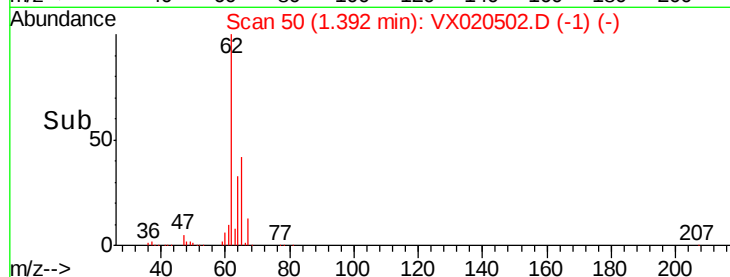
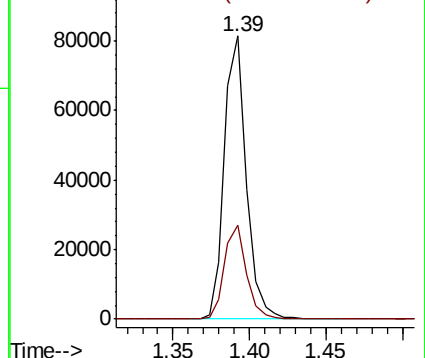
62 100

64 33.2 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: 5.414 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VX020502.D

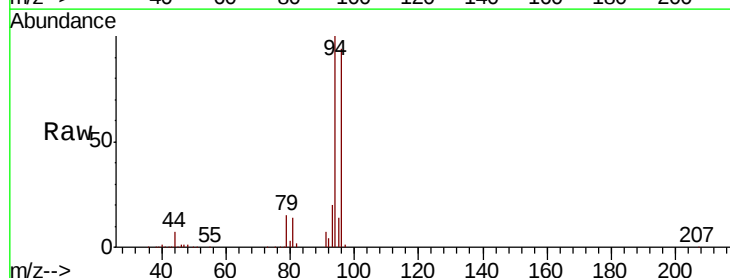
Acq: 05 Jan 2021 16:55

Tgt Ion: 94 Resp: 45112

Ion Ratio Lower Upper

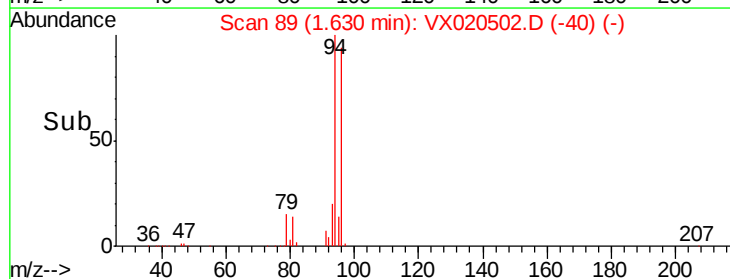
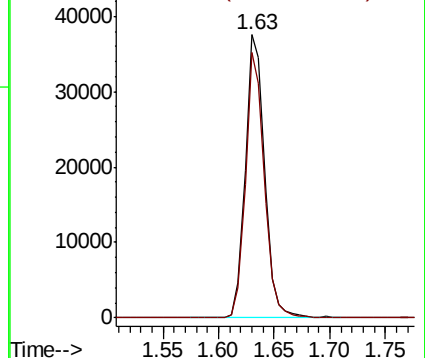
94 100

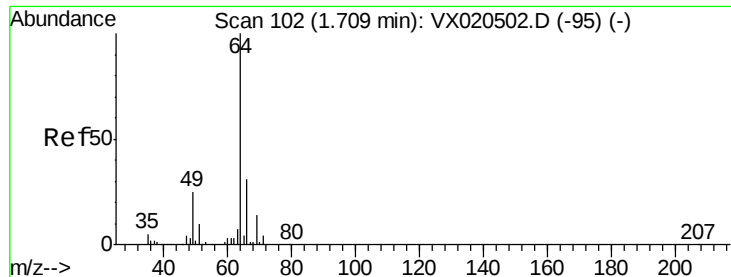
96 93.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

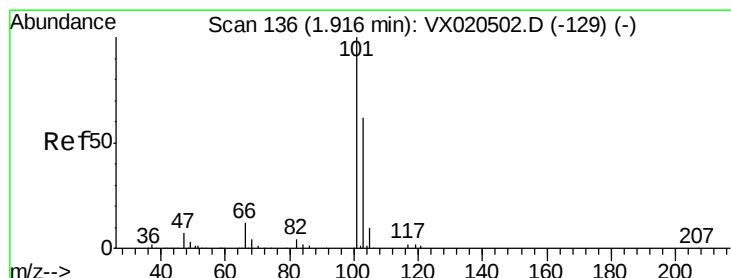
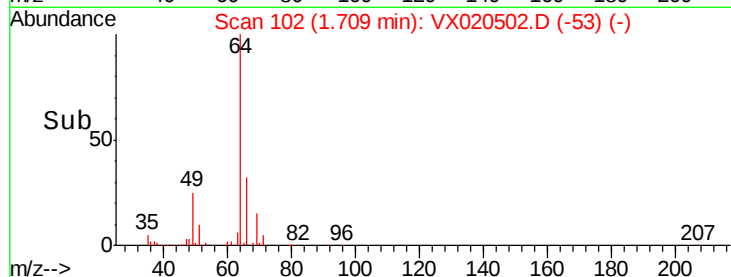
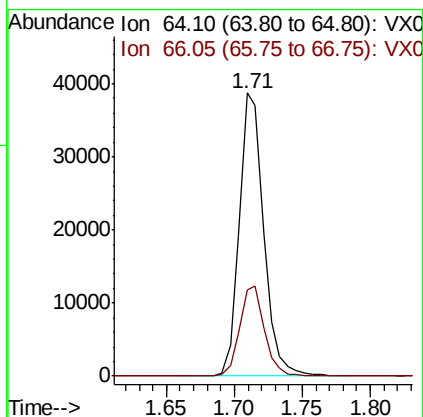
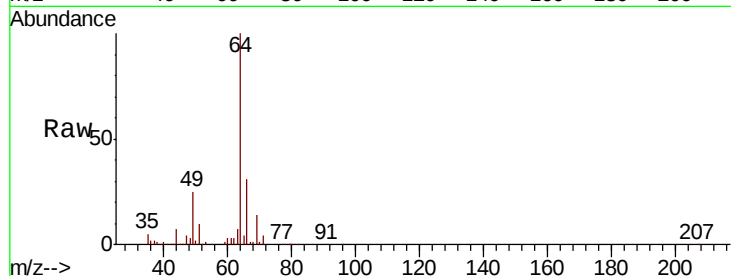




#8
Chloroethane
Concen: 5.975 ug/L
RT: 1.71 min Scan# 102
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

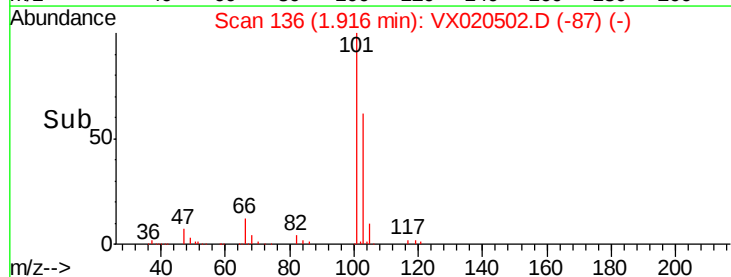
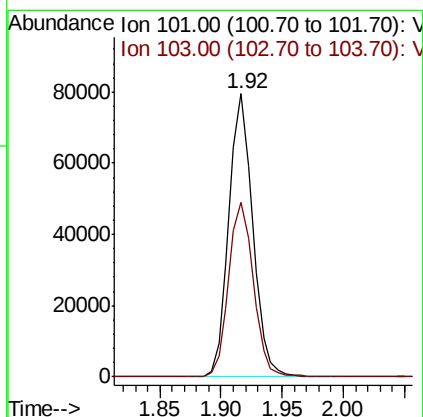
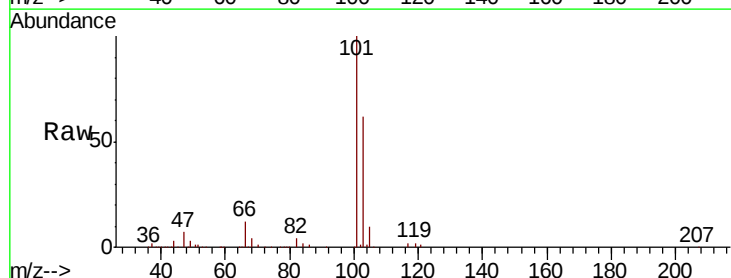
Instrument :
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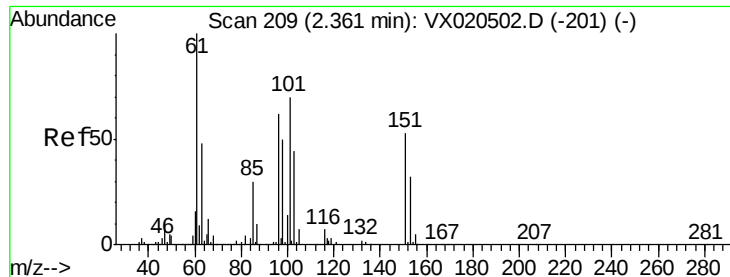
Tot Ion: 64 Resp: 48111
Ion Ratio Lower Upper
64 100
66 30.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.713 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Tgt Ion: 101 Resp: 107793
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6





#10

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

Concen: 5.712 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD005304

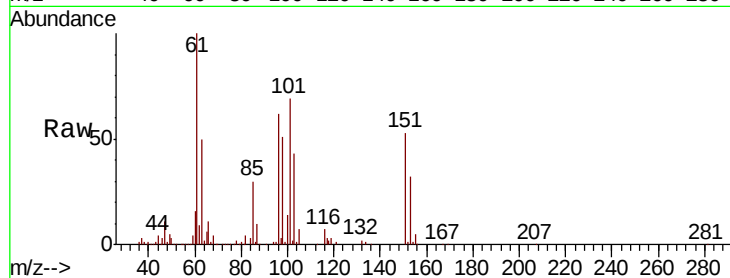
Tot Ion:101 Resp: 61154

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

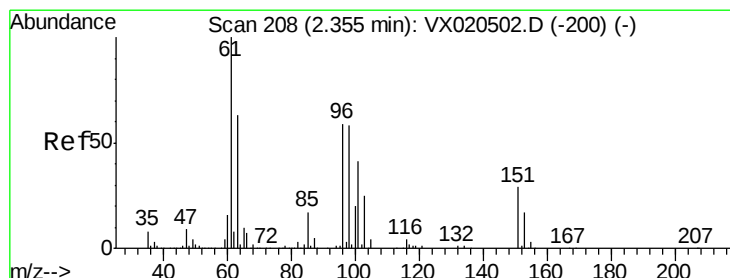
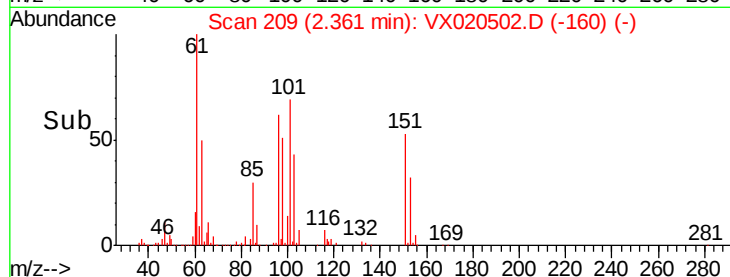
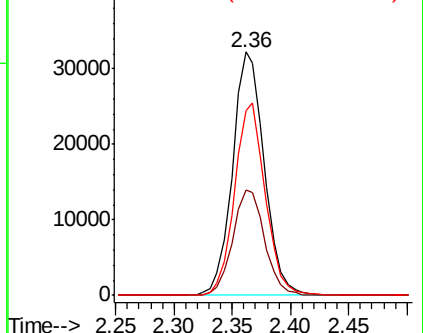
151 76.3 61.0 91.6



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: 5.719 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

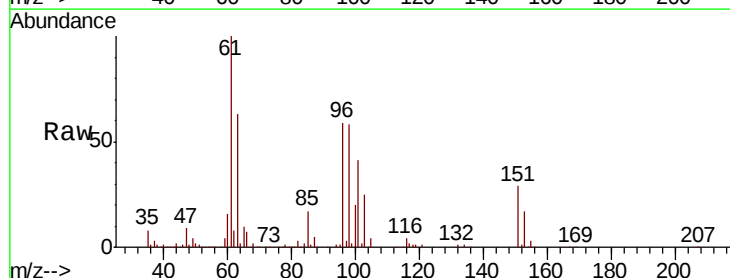
Tgt Ion: 96 Resp: 59581

Ion Ratio Lower Upper

96 100

61 168.9 118.2 219.6

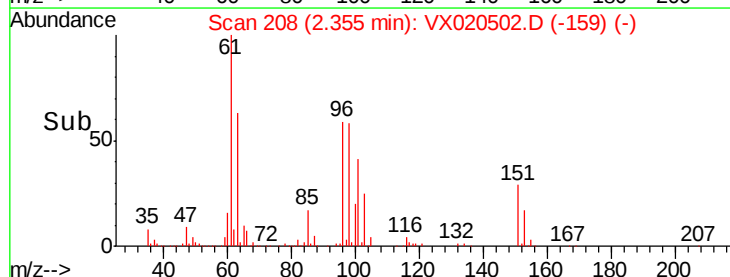
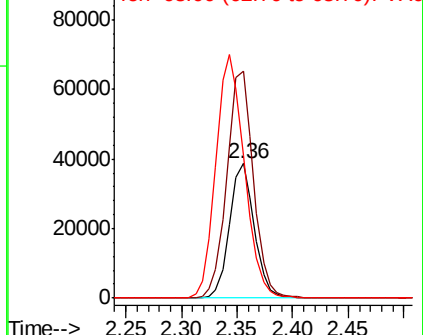
63 106.0 74.2 137.8

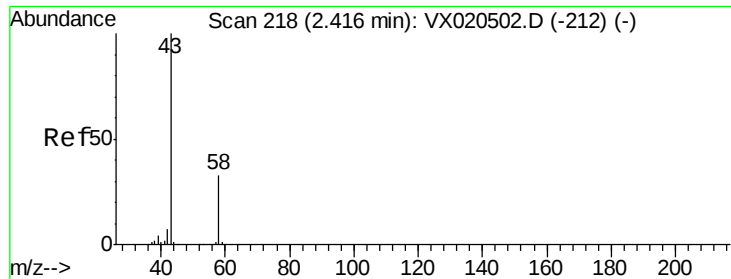


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 62.382 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

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ClientSampleId :

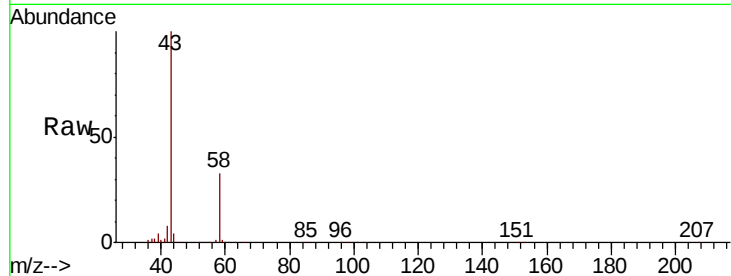
VSTD005304

Tot Ion: 43 Resp: 83532

Ion Ratio Lower Upper

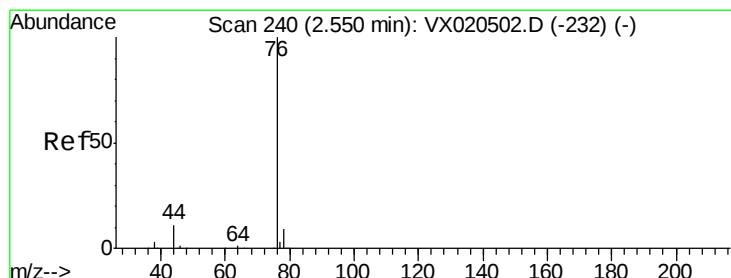
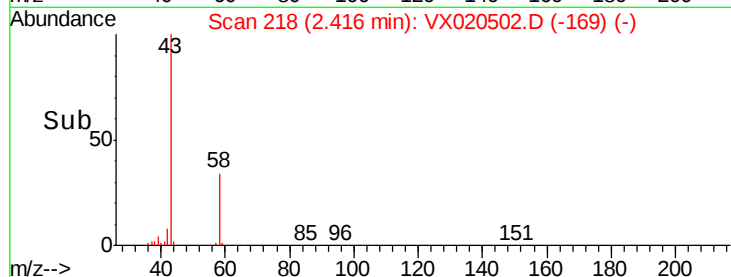
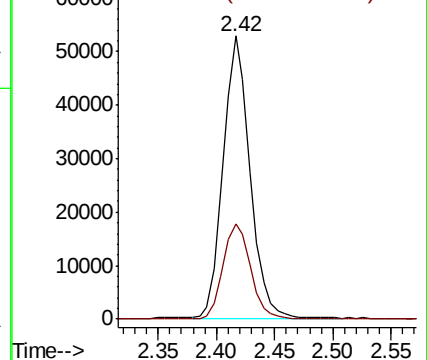
43 100

58 35.2 0.0 70.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 5.948 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020502.D

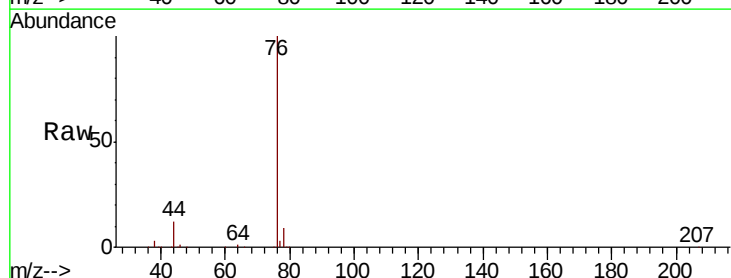
Acq: 05 Jan 2021 16:55

Tgt Ion: 76 Resp: 195998

Ion Ratio Lower Upper

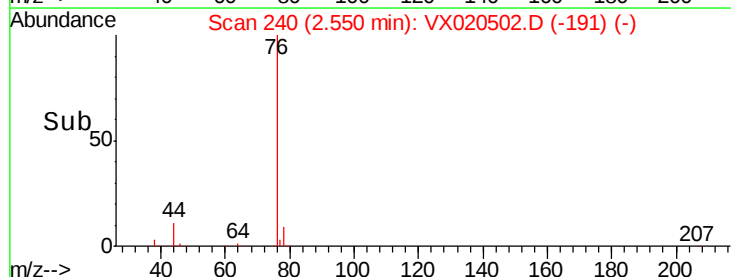
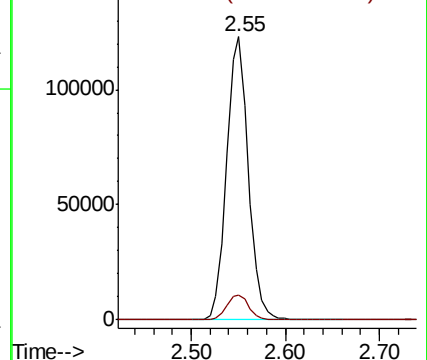
76 100

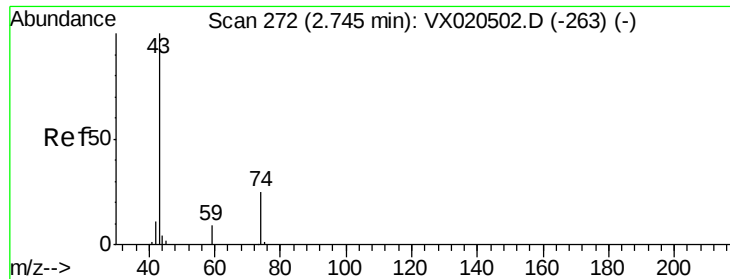
78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

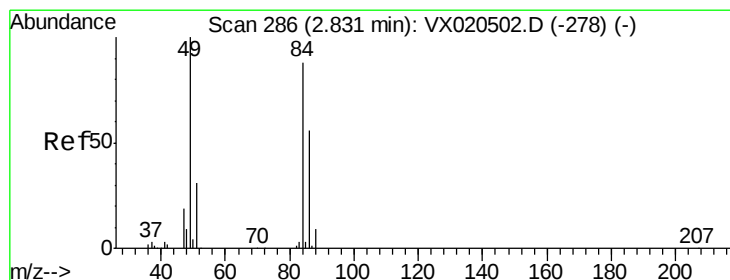
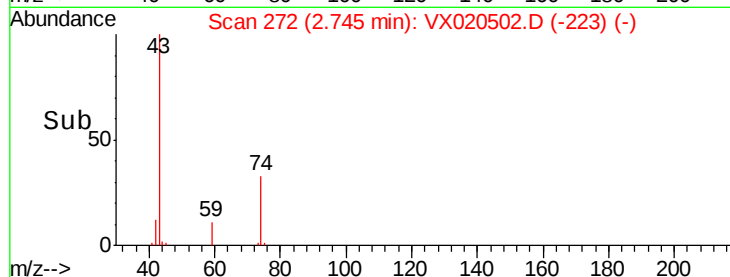
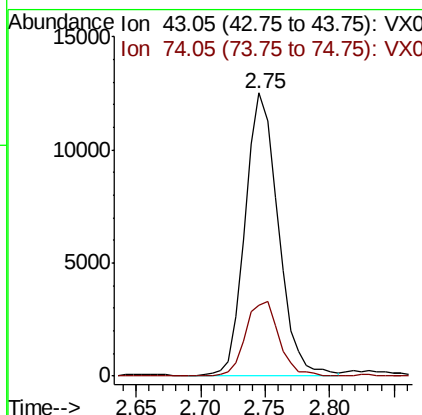
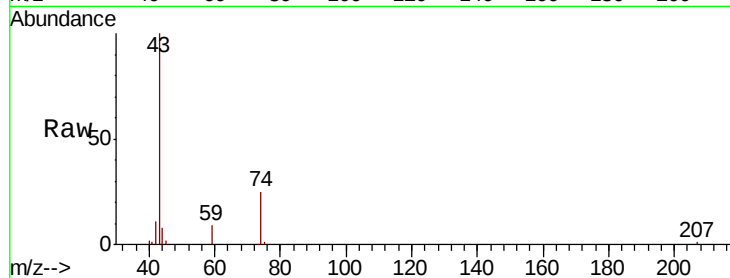




#15
Methvl Acetate
Concen: 6.266 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

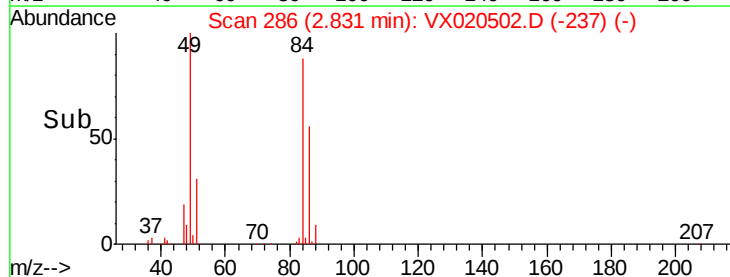
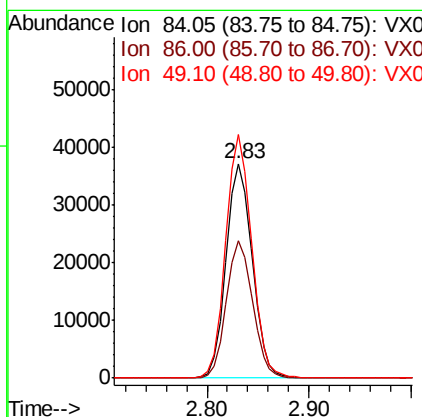
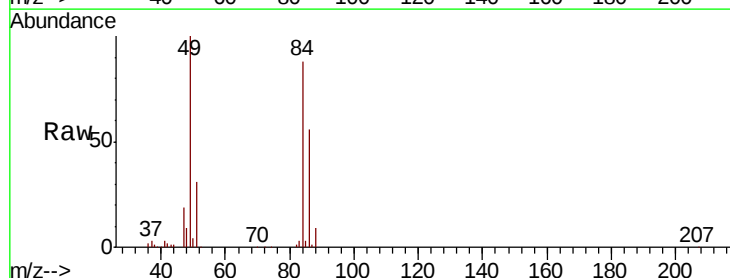
Instrument :
MSVOA_X
ClientSampleId :
VSTD005304

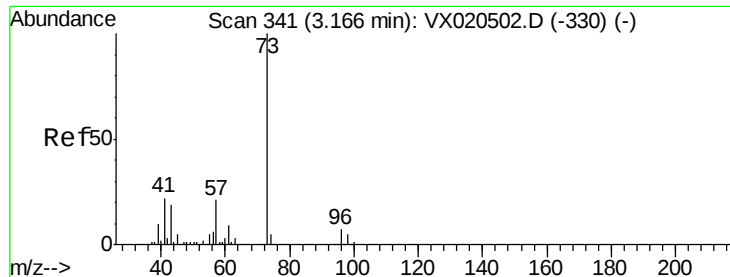
Tot Ion: 43 Resp: 22279
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7



#16
Methylene chloride
Concen: 5.264 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Tgt Ion: 84 Resp: 66114
Ion Ratio Lower Upper
84 100
86 63.7 44.6 82.8
49 113.5 79.5 147.6



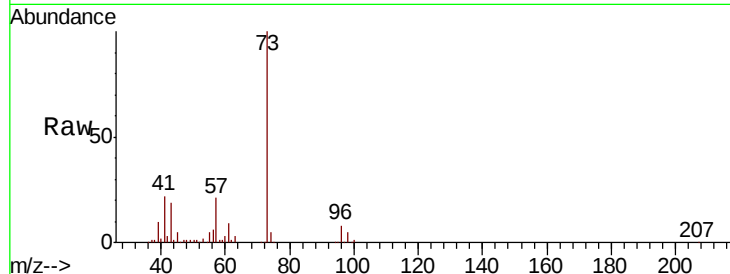


#17

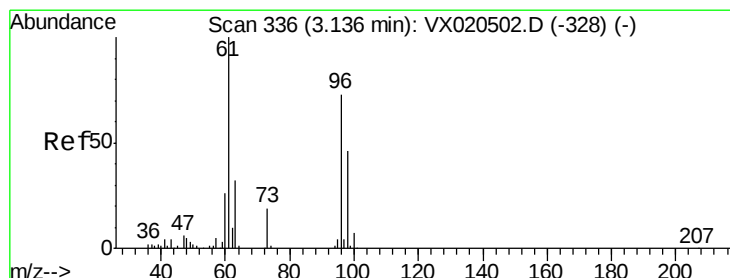
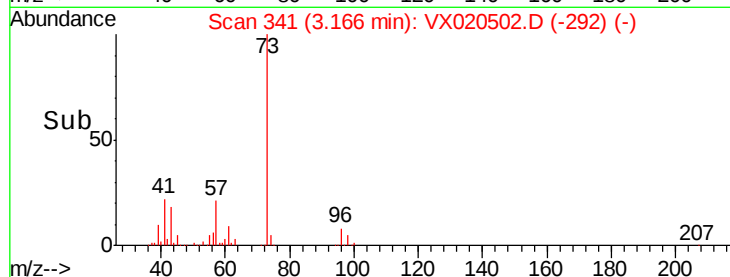
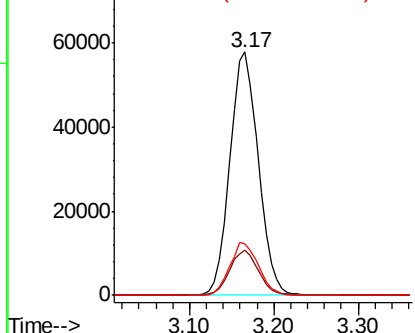
Methvl tert-butvl Ether
 Concen: 5.405 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

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



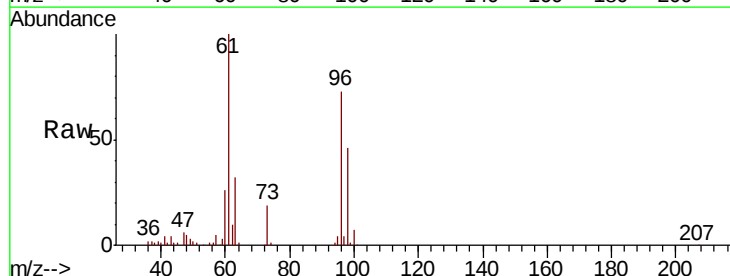
Abundance Ion 73.10 (72.80 to 73.80): VX0
 Ion 43.05 (42.75 to 43.75): VX0
 Ion 57.10 (56.80 to 57.80): VX0



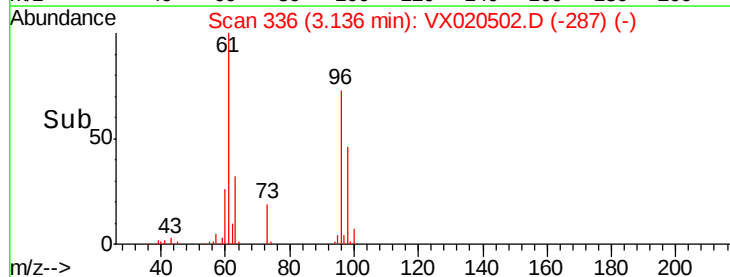
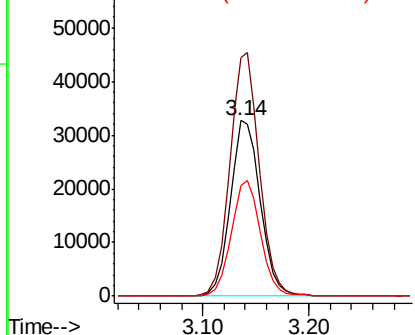
#18

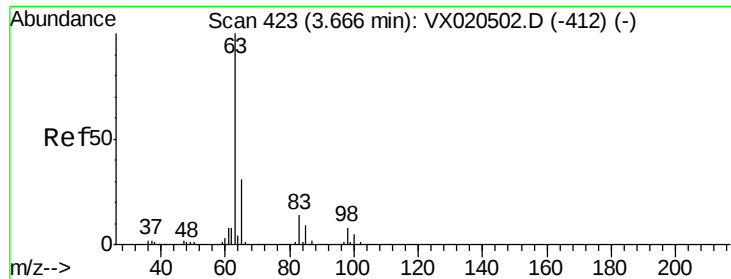
trans-1,2-Dichloroethene
 Concen: 5.831 ug/L
 RT: 3.14 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.3	95.4	177.2
98	63.2	44.2	82.2



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

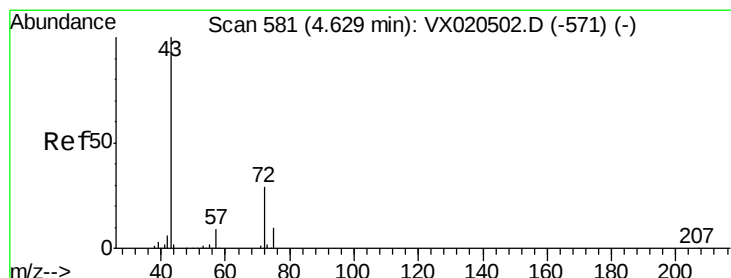
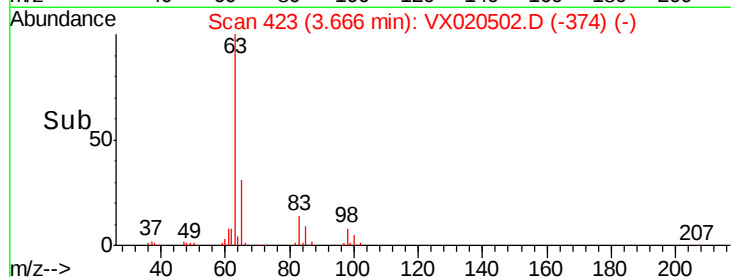
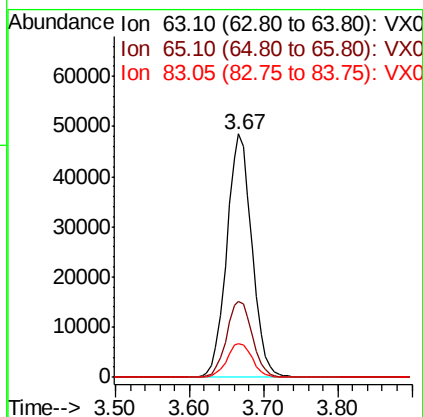
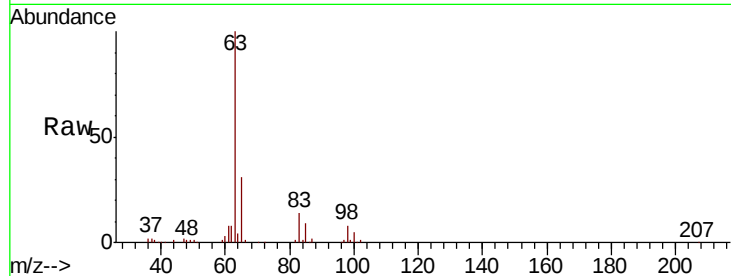




#19
 1,1-Dichloroethane
 Concen: 5.984 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

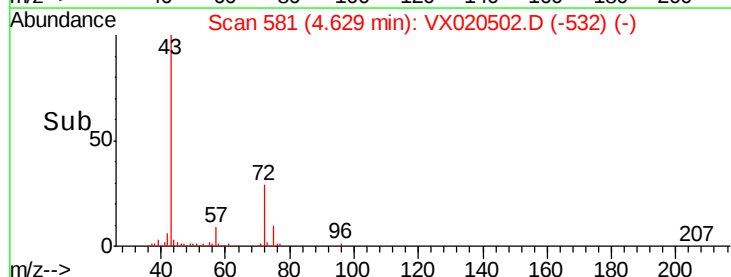
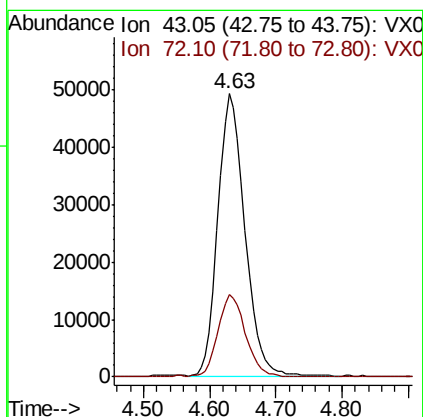
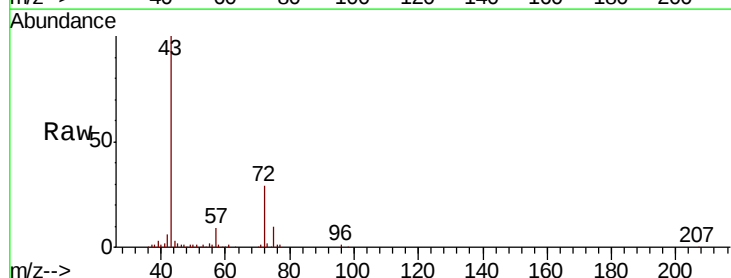
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

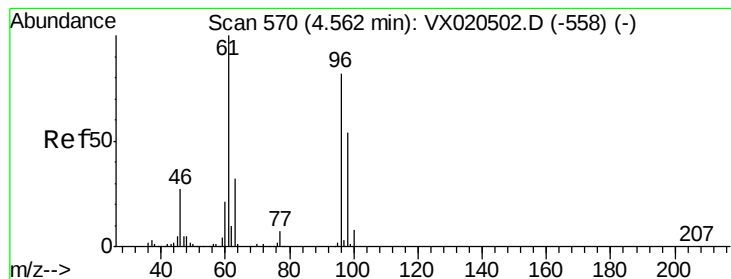
Tot Ion: 63 Resp: 114133
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.6
 83 13.7 9.6 17.8



#21
 2-Butanone
 Concen: 59.717 ug/L
 RT: 4.63 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion: 43 Resp: 138583
 Ion Ratio Lower Upper
 43 100
 72 29.6 14.8 44.4



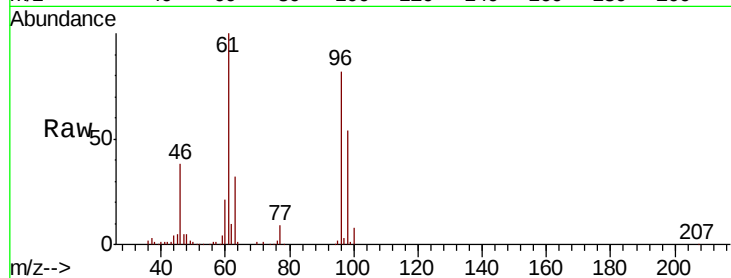


#22

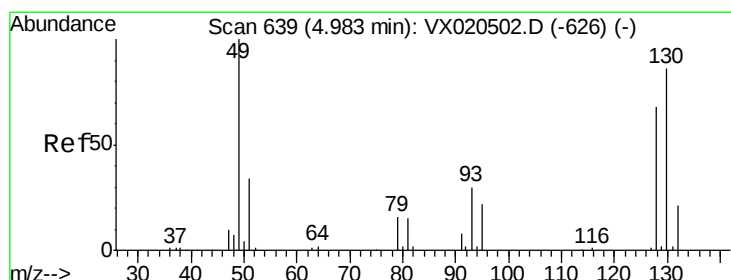
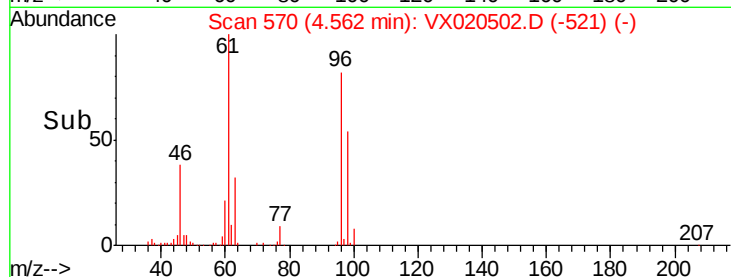
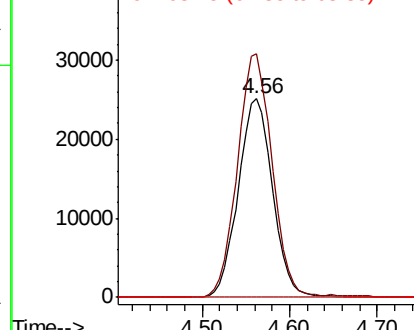
cis-1,2-Dichloroethene
 Concen: 5.810 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

Tot Ion: 96 Resp: 68522
 Ion Ratio Lower Upper
 96 100
 61 122.7 85.9 159.5
 68 0.0 0.0 0.0



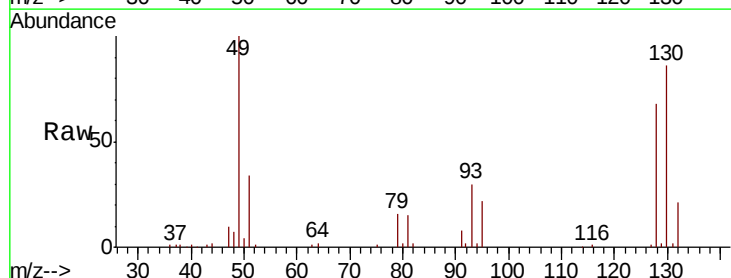
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



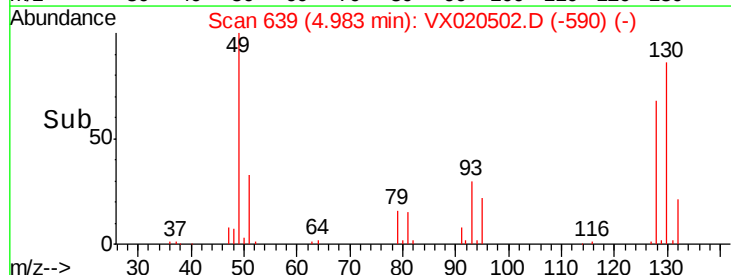
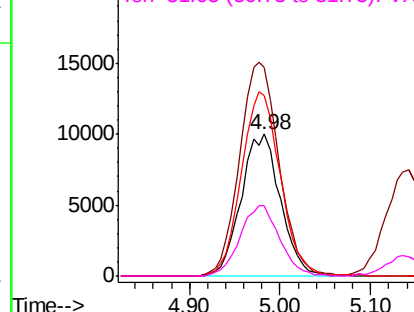
#23

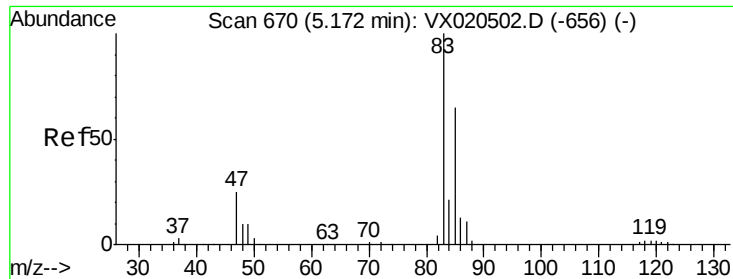
Bromochloromethane
 Concen: 6.057 ug/L
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion: 128 Resp: 29869
 Ion Ratio Lower Upper
 128 100
 49 147.4 103.2 191.6
 130 127.3 89.1 165.5
 51 49.5 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

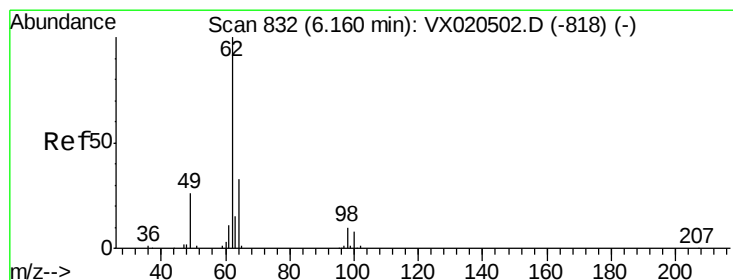
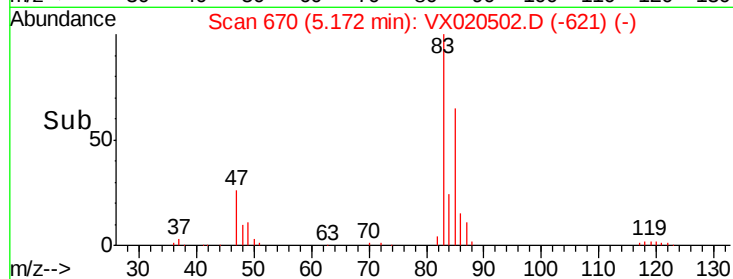
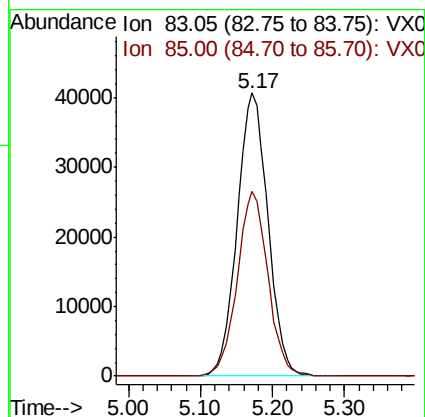
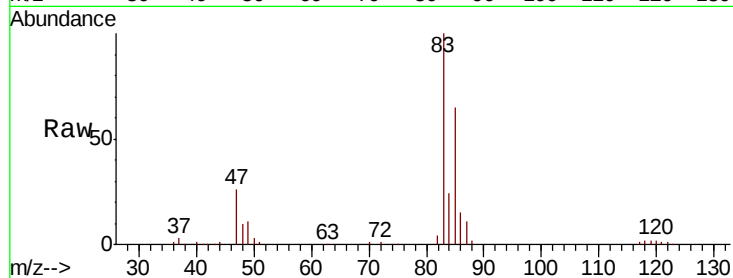




#25
Chloroform
Concen: 6.047 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

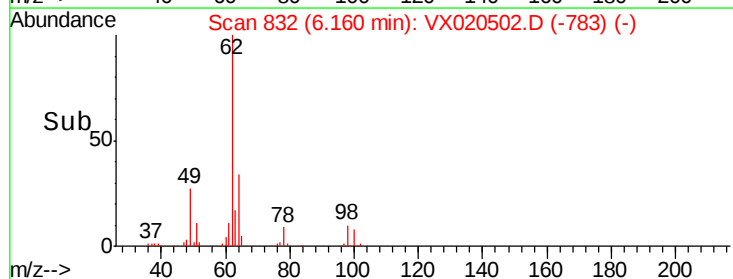
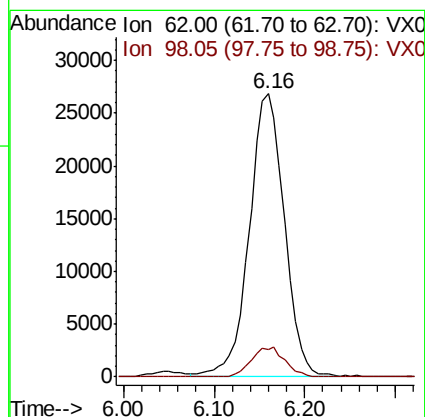
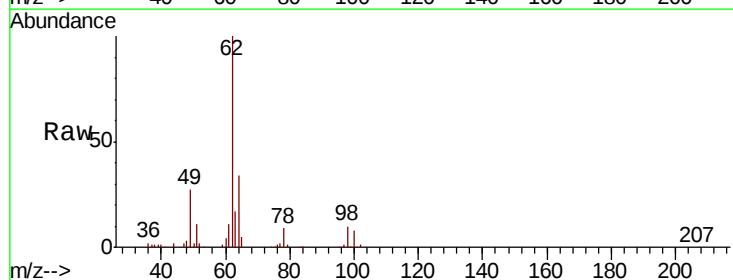
Instrument :
MSVOA_X
ClientSampleId :
VSTD005304

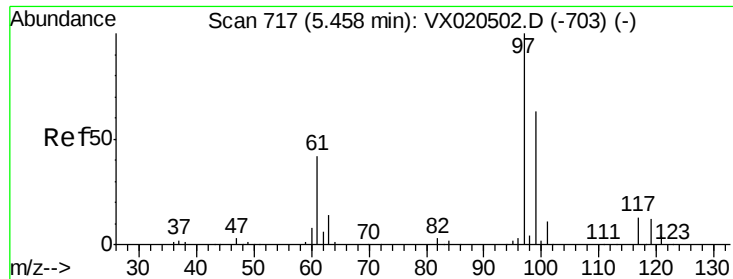
Tot Ion: 83 Resp: 120643
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.801 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Tgt Ion: 62 Resp: 71177
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9

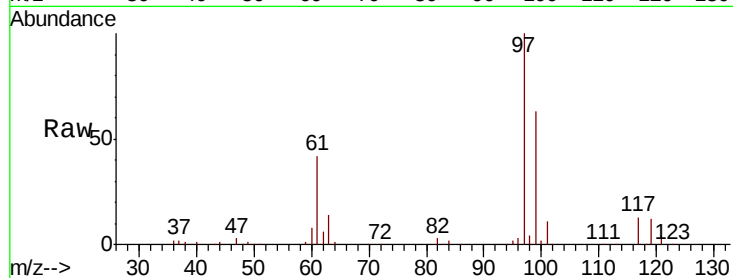




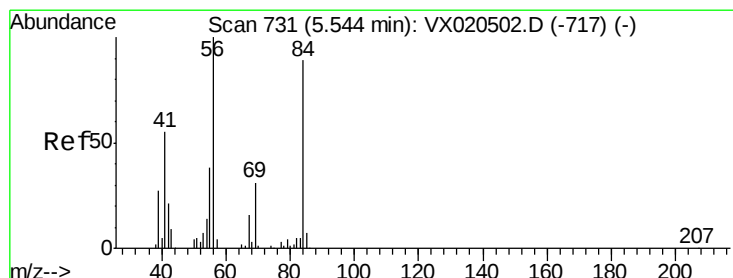
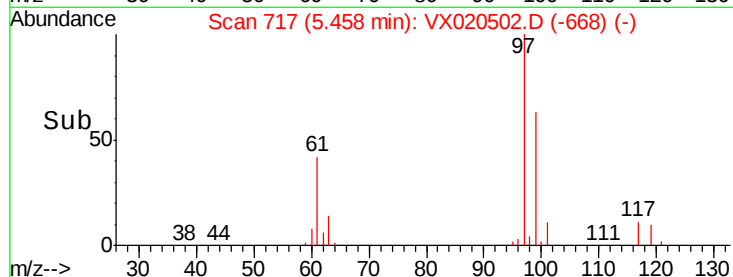
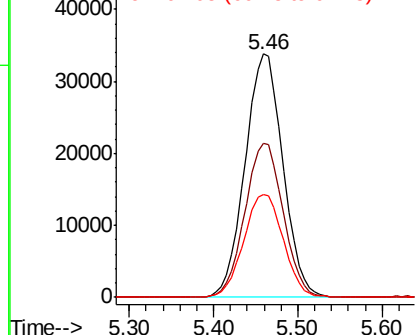
#29
 1,1,1-Trichloroethane
 Concen: 5.376 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

Tot Ion: 97 Resp: 103275
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 44.1 35.3 52.9

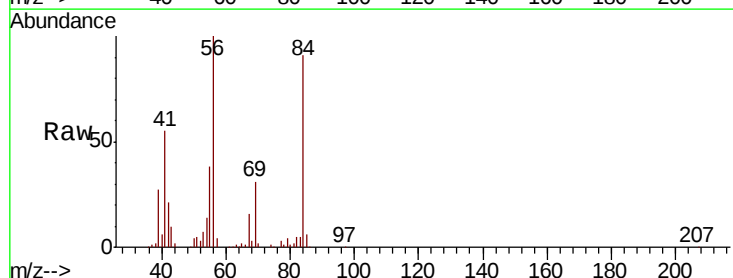


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

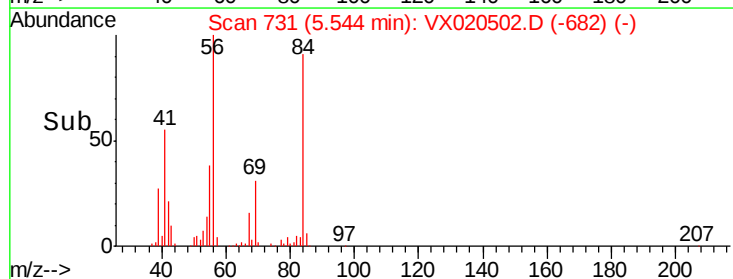
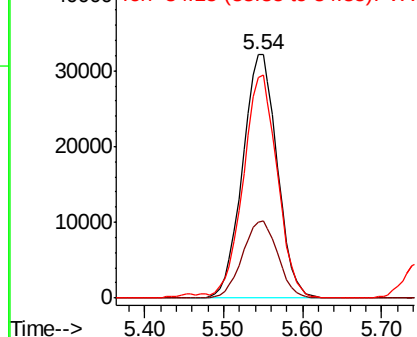


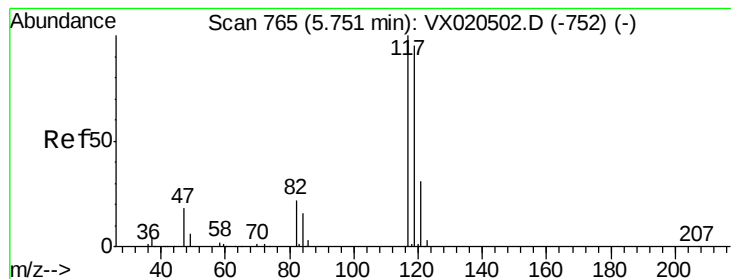
#30
 Cyclohexane
 Concen: 5.160 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion: 56 Resp: 97993
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.8 38.6
 84 90.5 72.4 108.6



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





#31

Carbon tetrachloride

Concen: 5.437 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

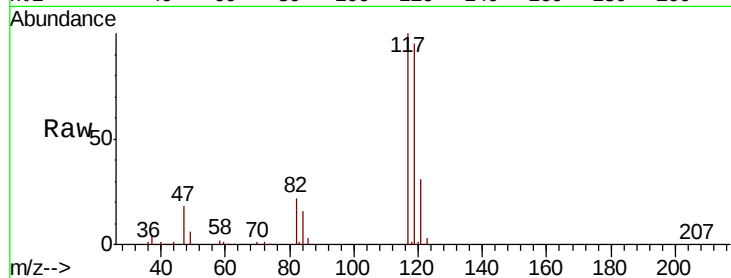
VSTD005304

Tot Ion:117 Resp: 89545

Ion Ratio Lower Upper

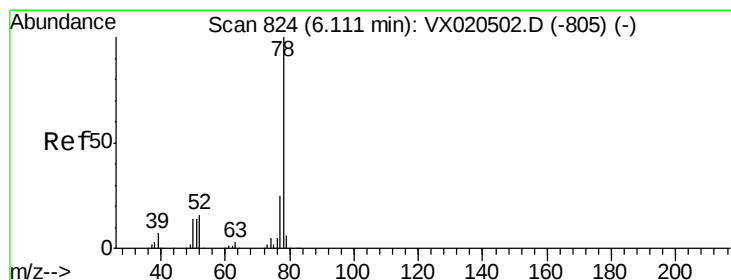
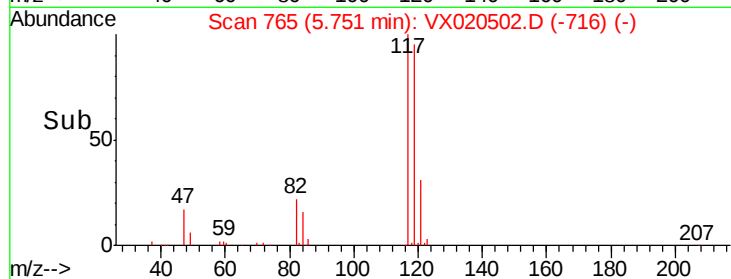
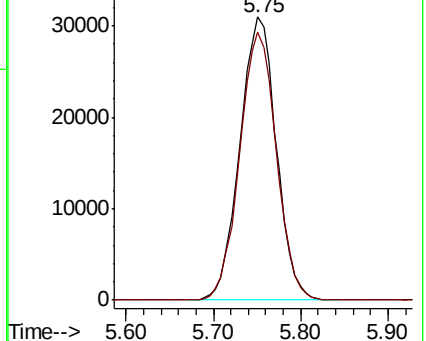
117 100

119 95.3 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: 5.844 ug/L

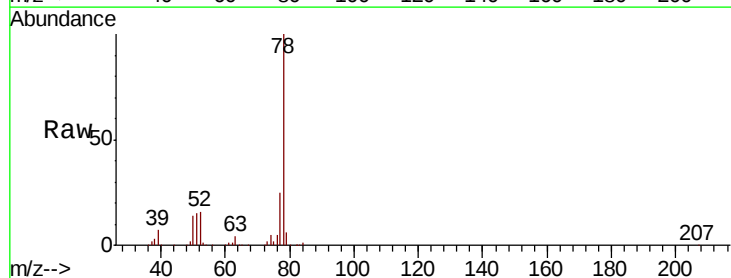
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

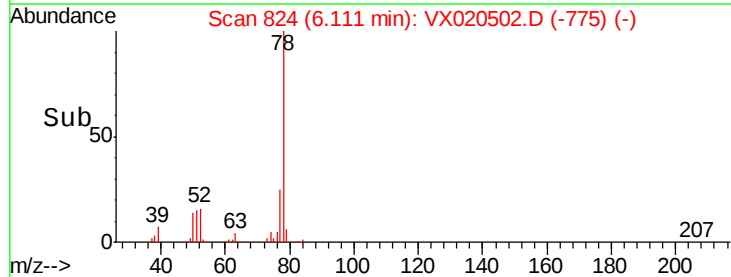
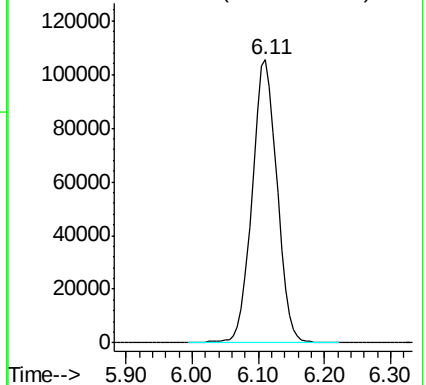
Lab File: VX020502.D

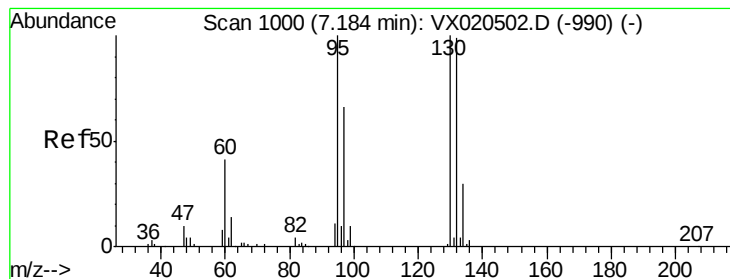
Acq: 05 Jan 2021 16:55

Tgt Ion: 78 Resp: 277422



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 5.385 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD005304

Tot Ion: 95 Resp: 68313

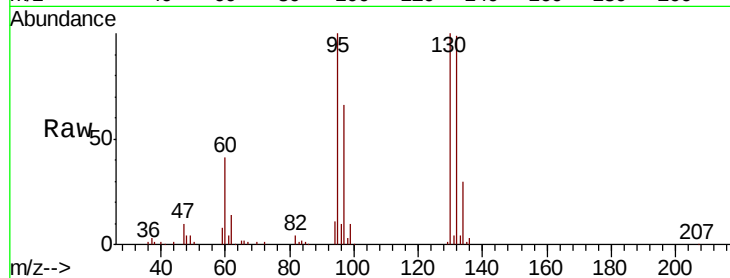
Ion Ratio Lower Upper

95 100

97 65.7 46.0 85.4

132 98.5 69.0 128.1

130 99.5 69.7 129.4

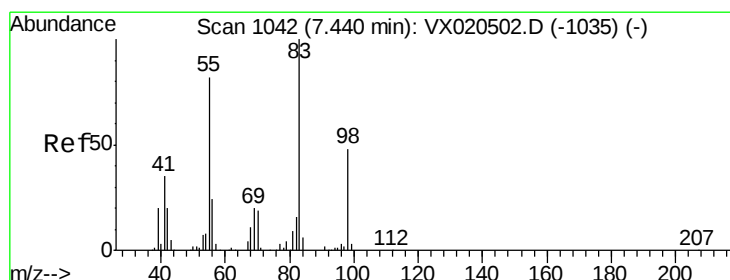
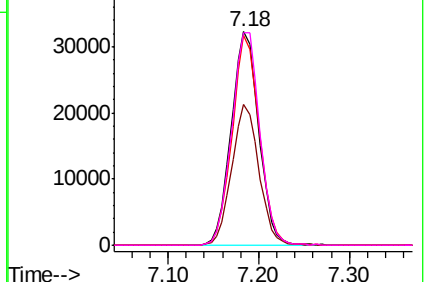
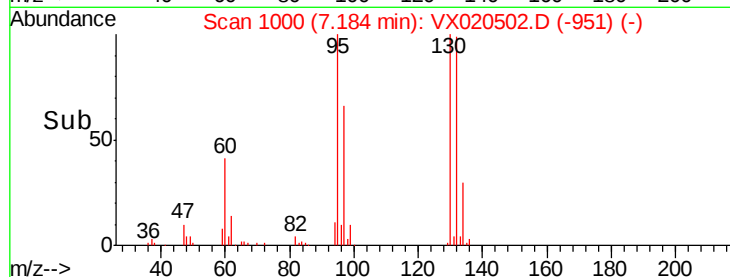


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 5.239 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

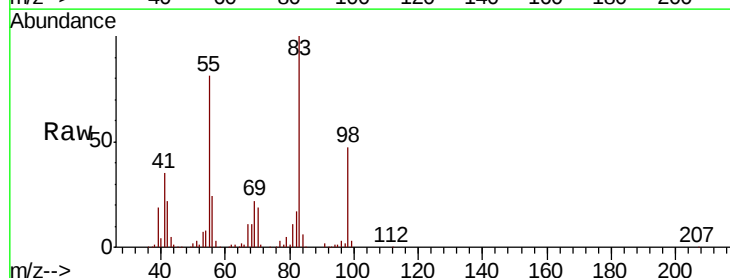
Tgt Ion: 83 Resp: 106894

Ion Ratio Lower Upper

83 100

55 79.2 63.4 95.0

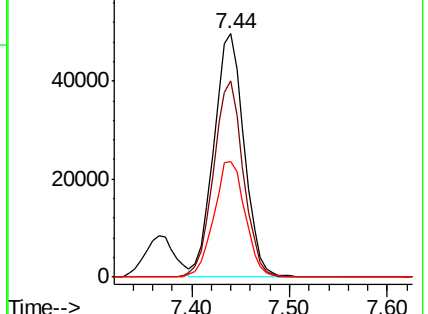
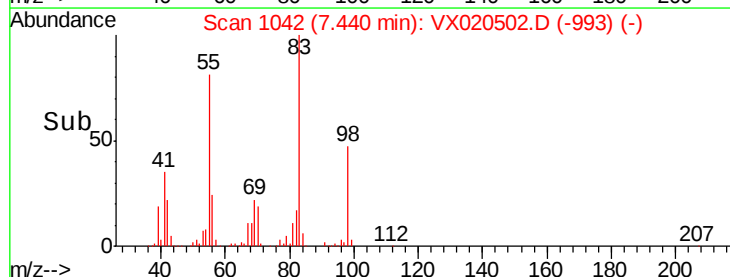
98 49.0 39.2 58.8

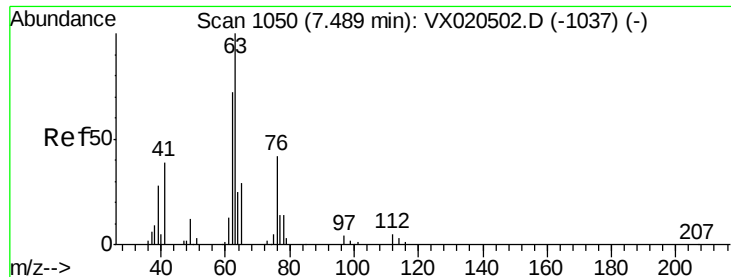


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 5.925 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

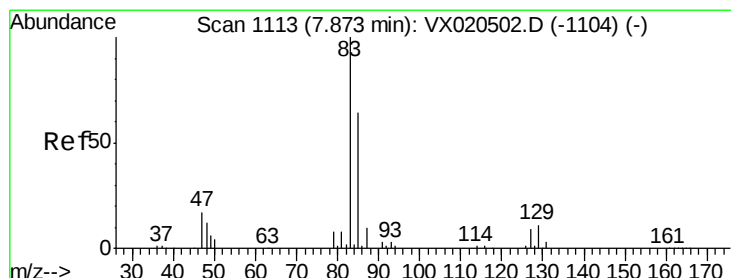
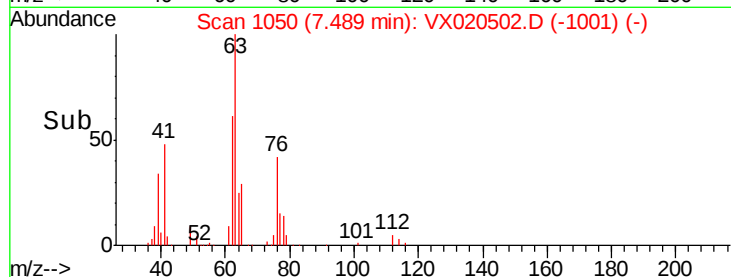
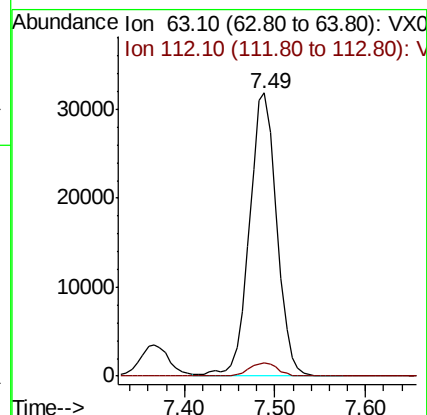
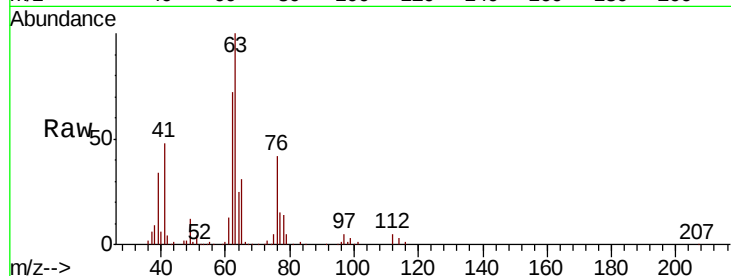
VSTD005304

Tot Ion: 63 Resp: 66425

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 5.598 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

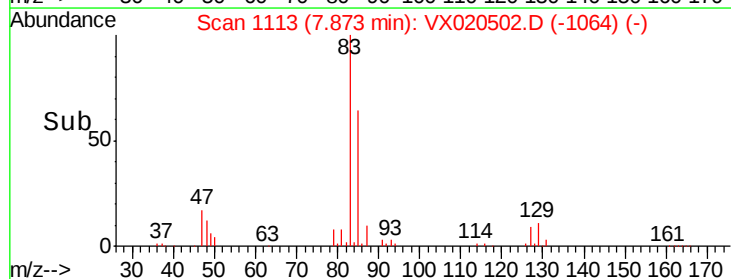
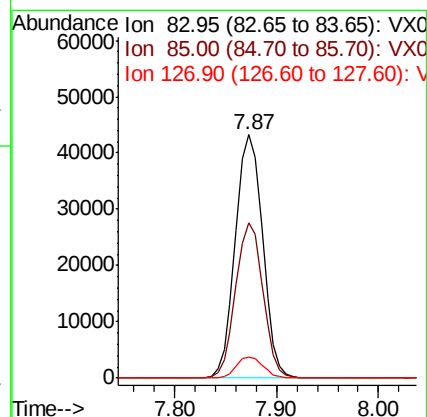
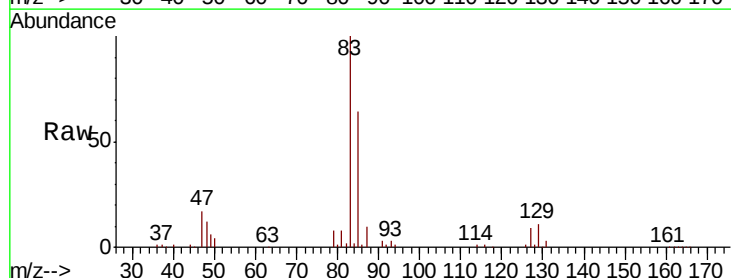
Tgt Ion: 83 Resp: 80529

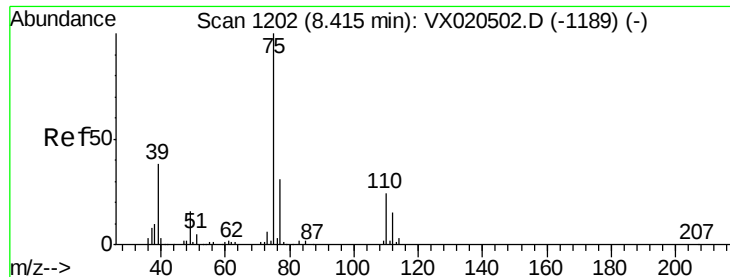
Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

127 8.7 7.0 10.4



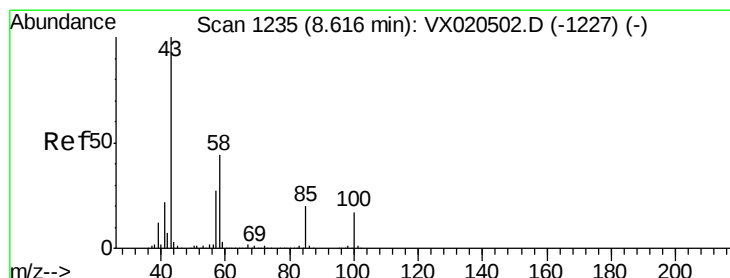
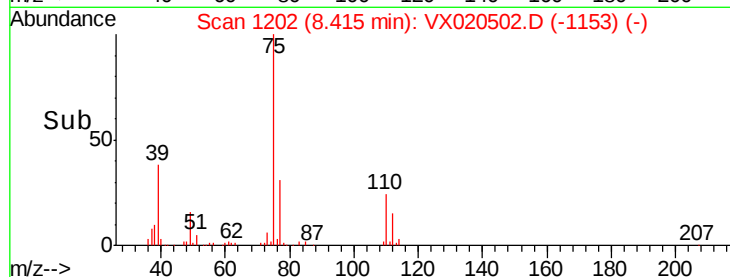
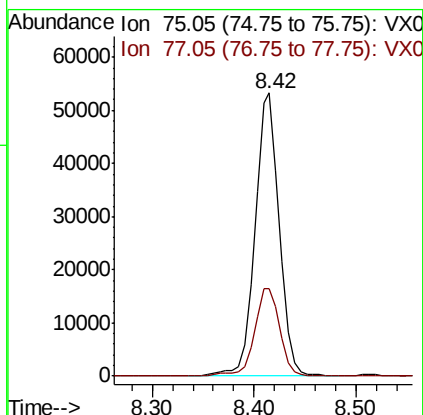
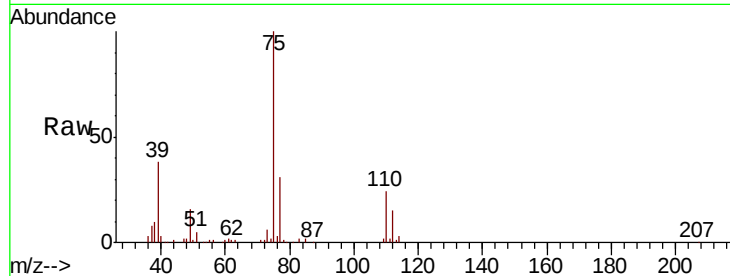


#39

cis-1,3-Dichloropropene
Concen: 5.298 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTD005304

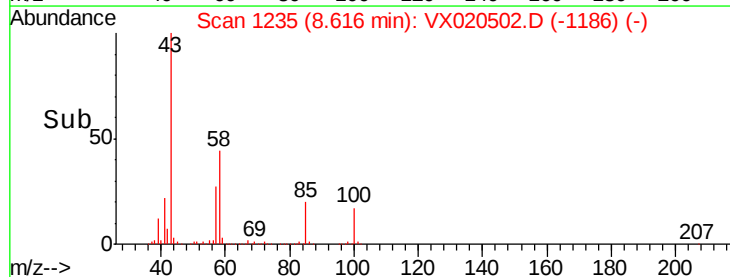
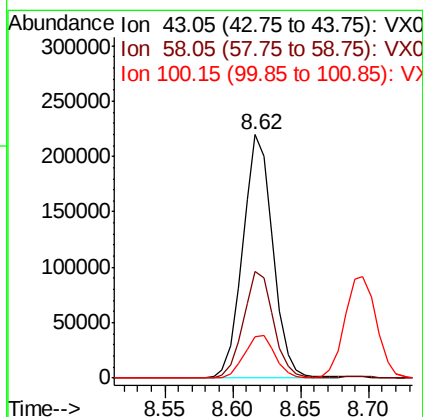
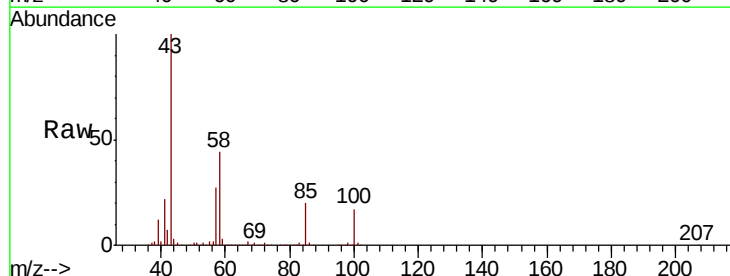
Tot Ion: 75 Resp: 88409
Ion Ratio Lower Upper
75 100
77 30.8 21.6 40.0

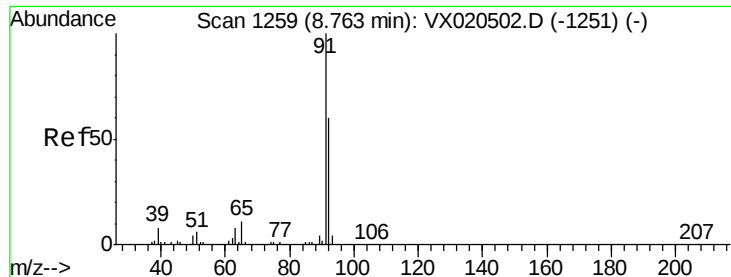


#40

4-Methyl-2-pentanone
Concen: 57.573 ug/L
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Tgt Ion: 43 Resp: 339388
Ion Ratio Lower Upper
43 100
58 43.7 35.0 52.4
100 17.9 14.3 21.5





#42

Toluene

Concen: 5.708 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

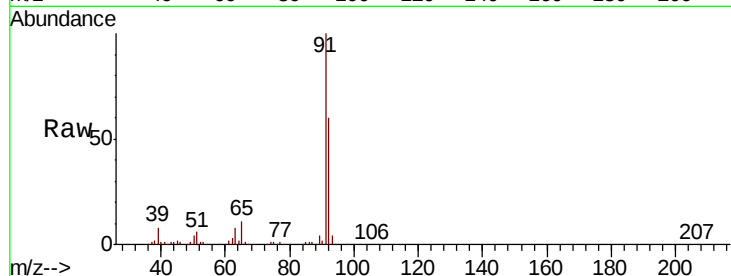
VSTD005304

Tot Ion: 91 Resp: 290118

Ion Ratio Lower Upper

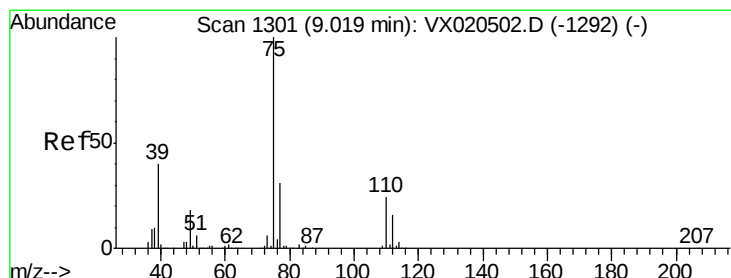
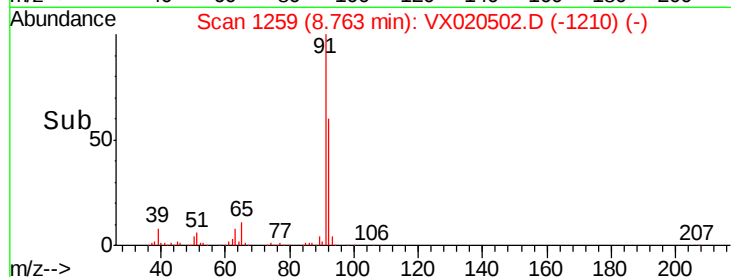
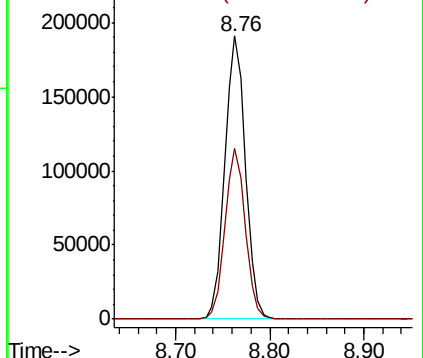
91 100

92 60.1 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: 5.461 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020502.D

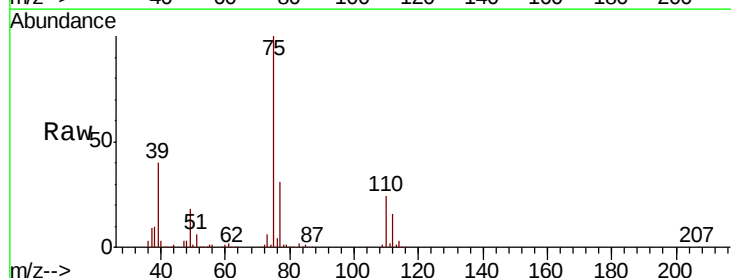
Acq: 05 Jan 2021 16:55

Tgt Ion: 75 Resp: 76680

Ion Ratio Lower Upper

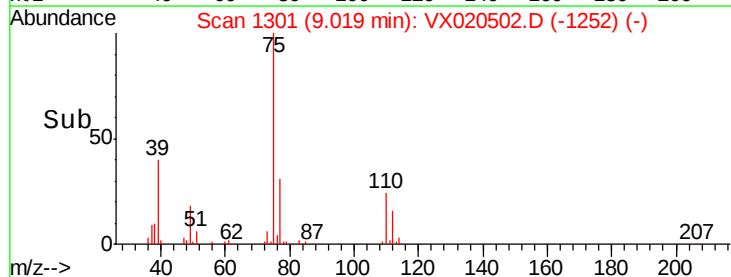
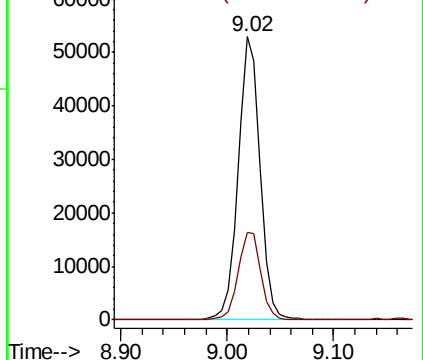
75 100

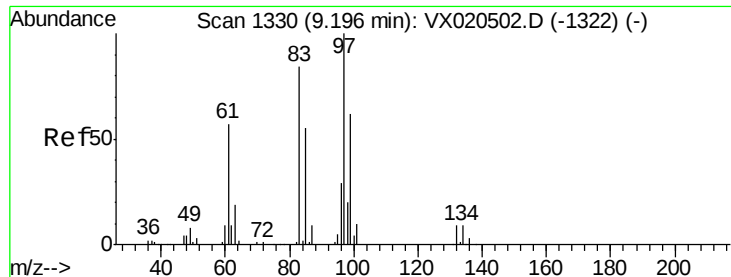
77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

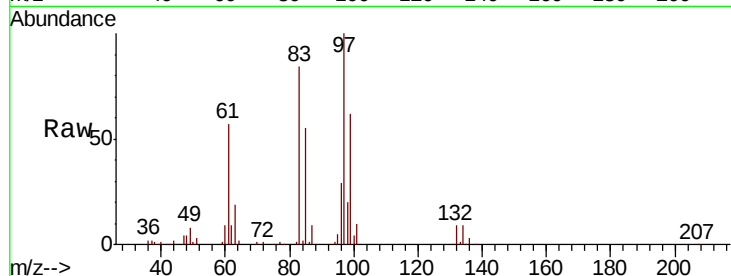




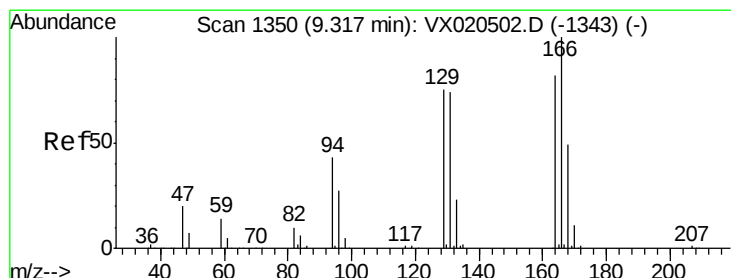
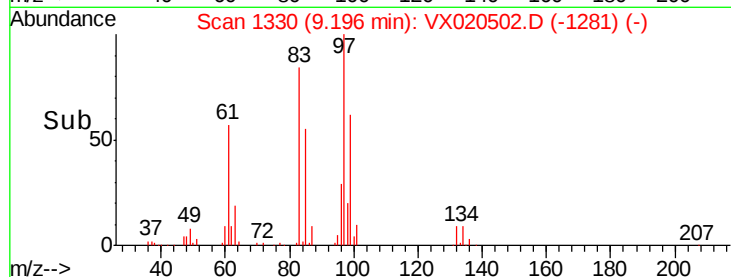
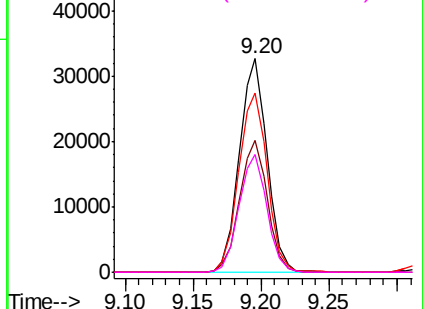
#45
 1,1,2-Trichloroethane
 Concen: 5.746 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

Tot Ion: 97 Resp: 46513
 Ion Ratio Lower Upper
 97 100
 99 62.0 43.4 80.6
 83 83.7 58.6 108.8
 85 55.0 38.5 71.5

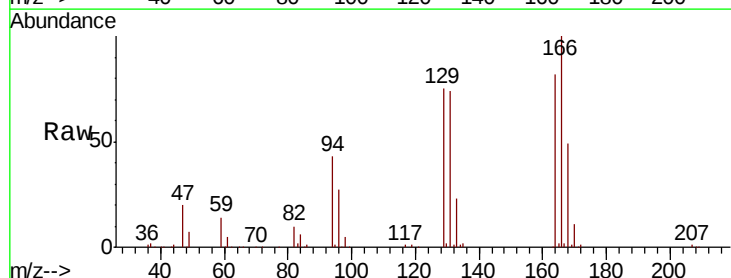


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

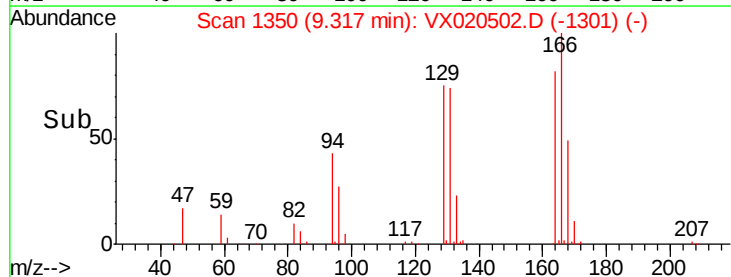
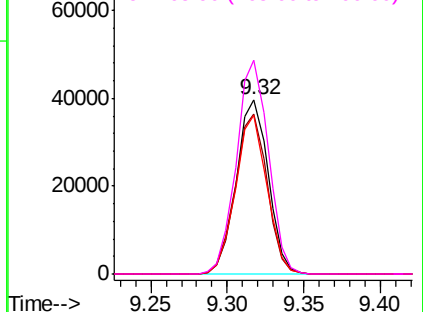


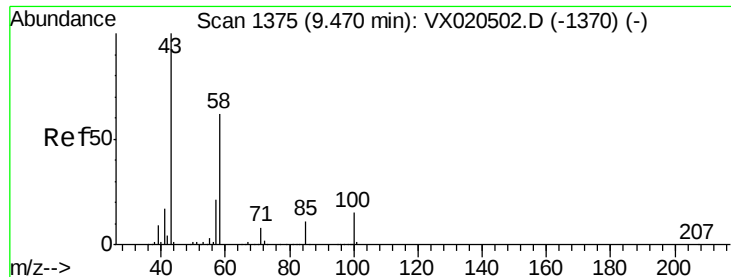
#47
 Tetrachloroethene
 Concen: 5.814 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion: 164 Resp: 57570
 Ion Ratio Lower Upper
 164 100
 129 92.1 64.5 119.7
 131 91.2 63.8 118.6
 166 122.6 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

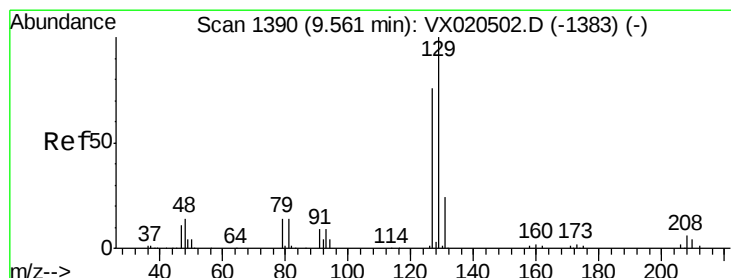
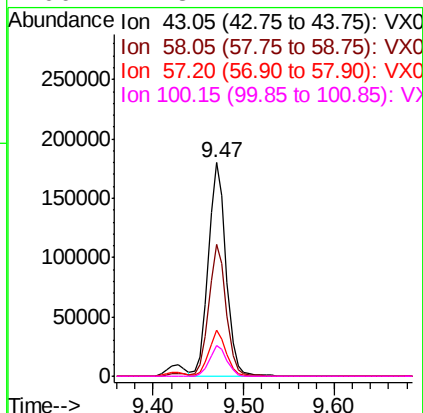
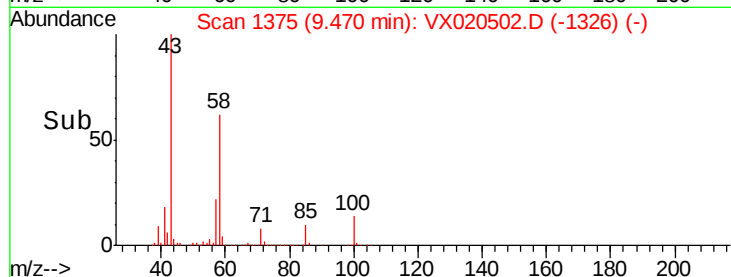
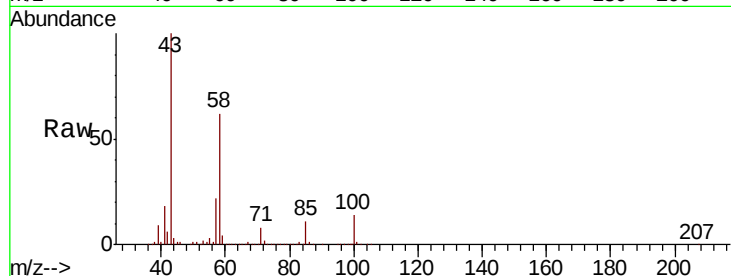




#48
2-Hexanone
Concen: 59.444 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

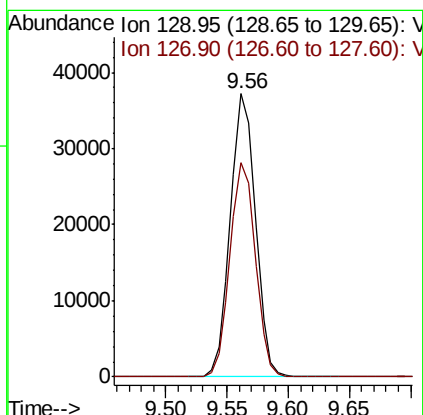
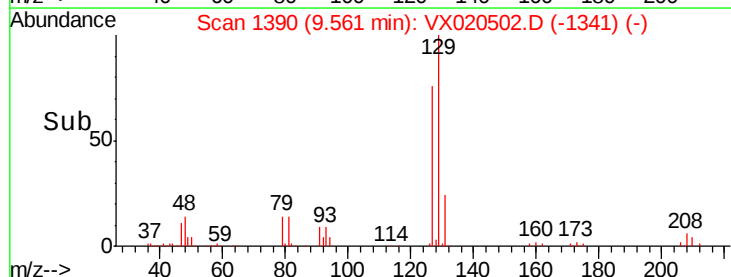
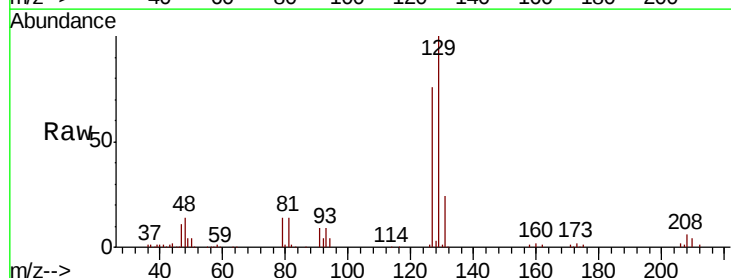
Instrument :
MSVOA_X
ClientSampleId :
VSTD005304

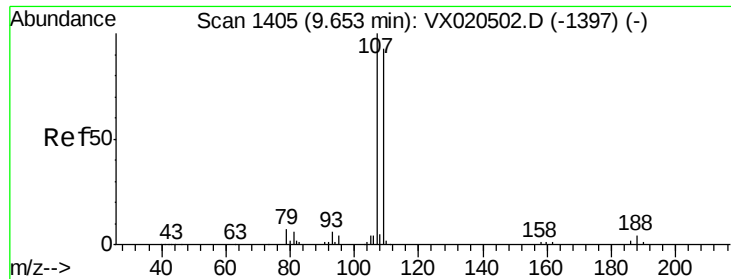
Tot Ion:	43	Resp:	247155
Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.8	73.2
57	20.8	16.6	25.0
100	14.3	11.4	17.2



#49
Dibromochloromethane
Concen: 5.658 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Tgt Ion:	129	Resp:	52895
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.0	98.4





#50

1,2-Dibromoethane

Concen: 5.764 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD005304

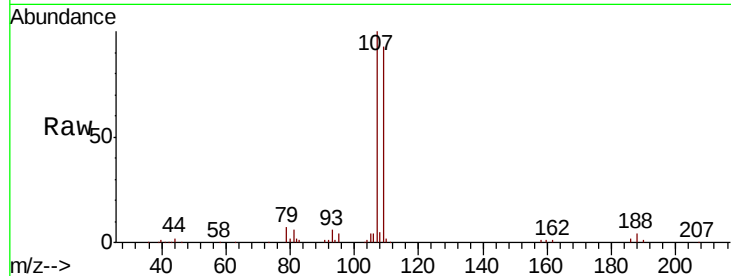
Tot Ion:107 Resp: 43310

Ion Ratio Lower Upper

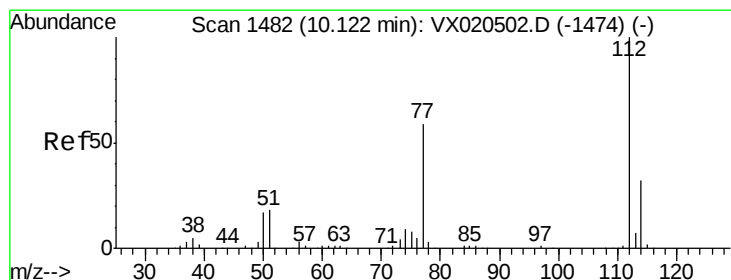
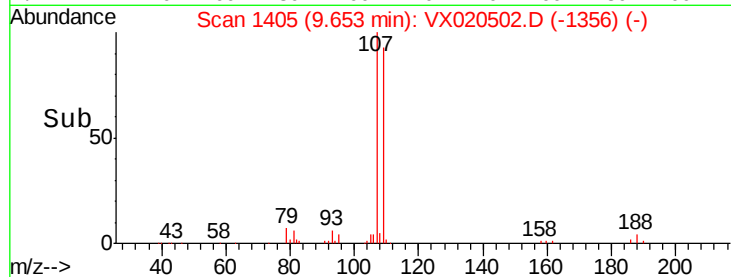
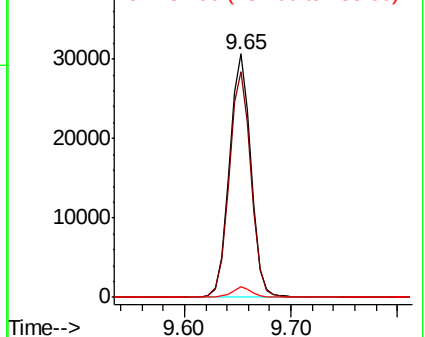
107 100

109 92.9 65.0 120.8

188 4.2 3.4 5.0



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



#51

Chlorobenzene

Concen: 5.445 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

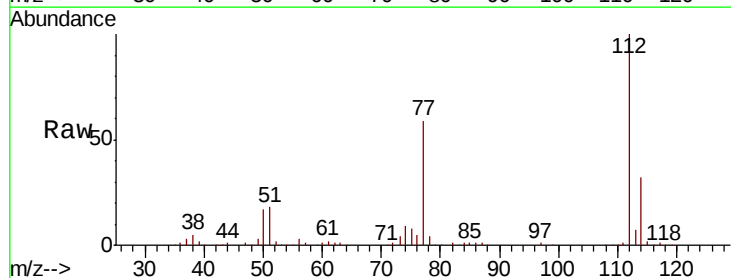
Tgt Ion:112 Resp: 173523

Ion Ratio Lower Upper

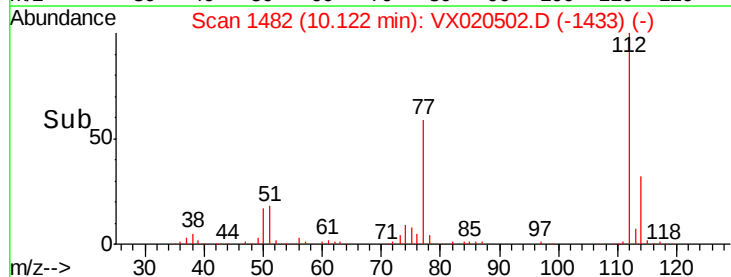
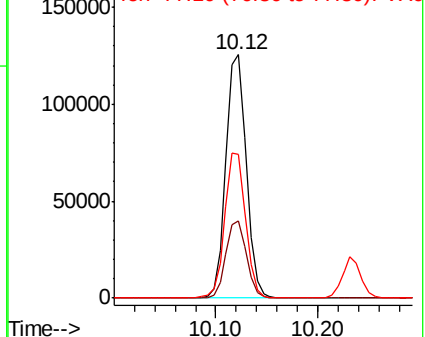
112 100

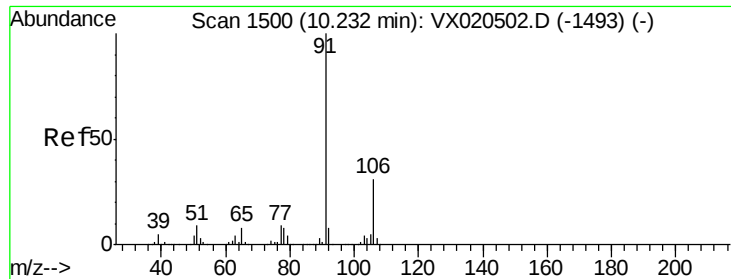
114 31.6 22.1 41.1

77 58.8 47.0 70.6



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





#52

Ethylbenzene

Concen: 5.329 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampled :

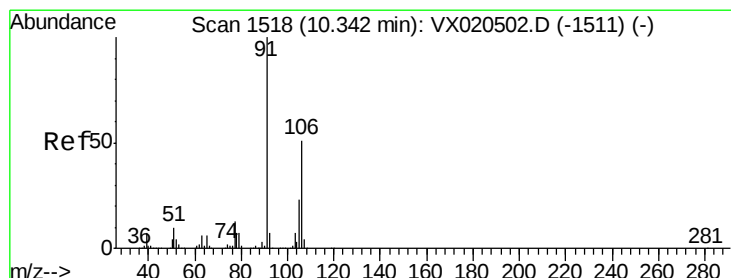
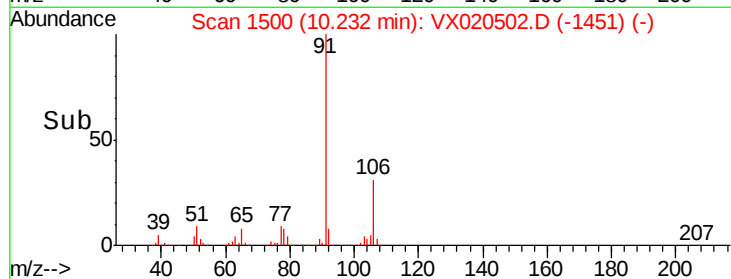
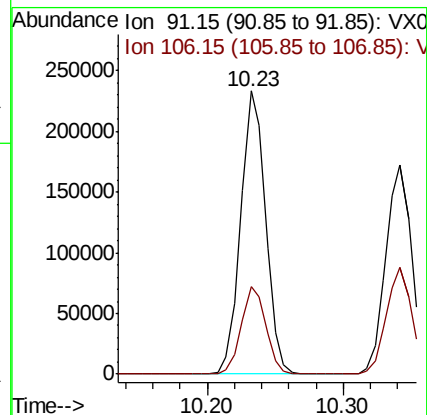
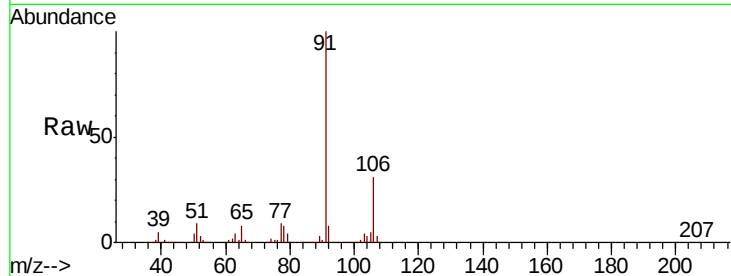
VSTD005304

Tot Ion: 91 Resp: 297427

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-xylene

Concen: 5.378 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020502.D

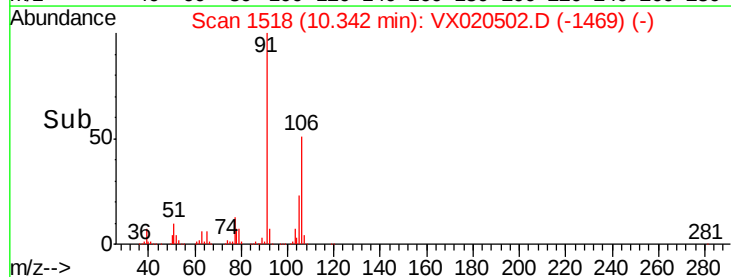
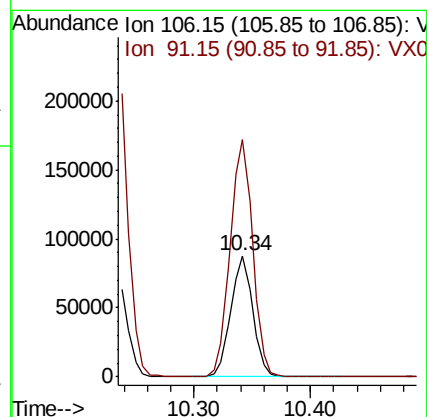
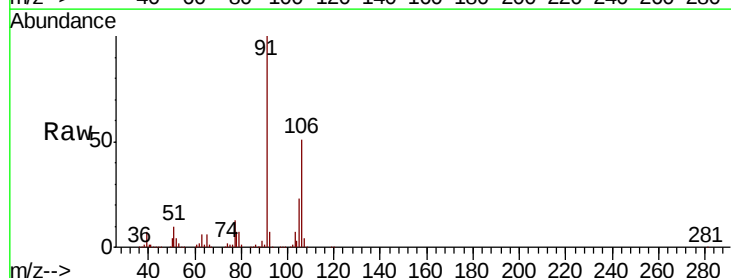
Acq: 05 Jan 2021 16:55

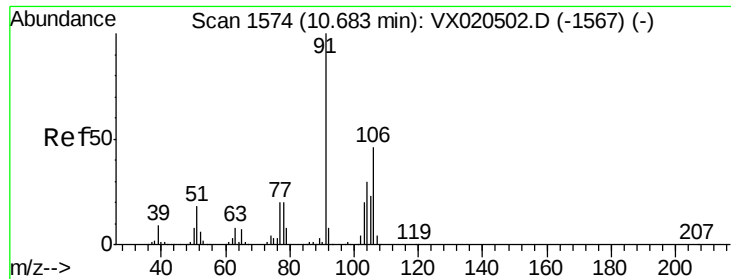
Tgt Ion: 106 Resp: 115359

Ion Ratio Lower Upper

106 100

91 196.3 137.4 255.2





#54

o-xylene

Concen: 5.276 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

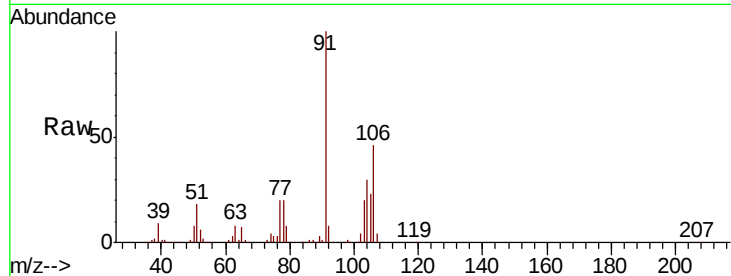
VSTD005304

Tot Ion:106 Resp: 107817

Ion Ratio Lower Upper

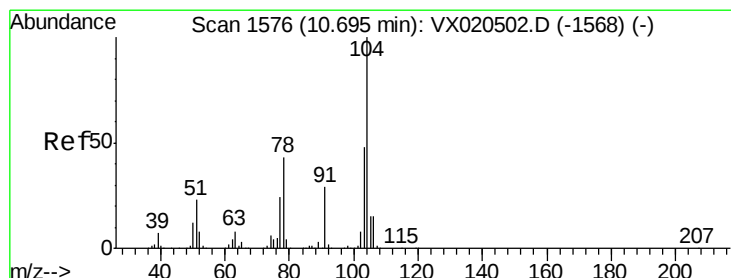
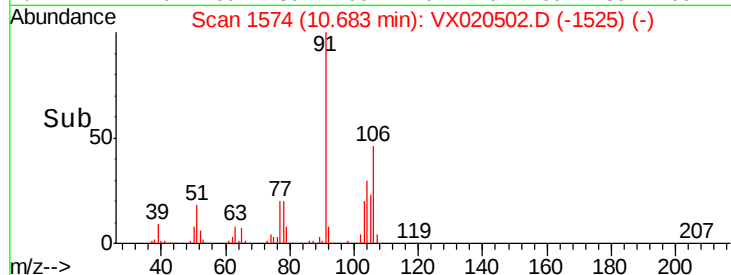
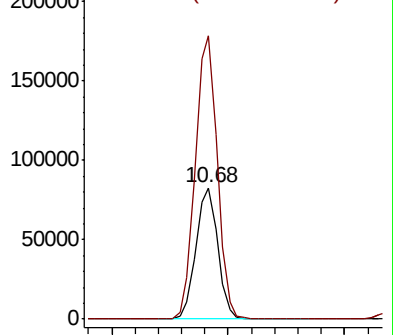
106 100

91 215.9 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 5.556 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX020502.D

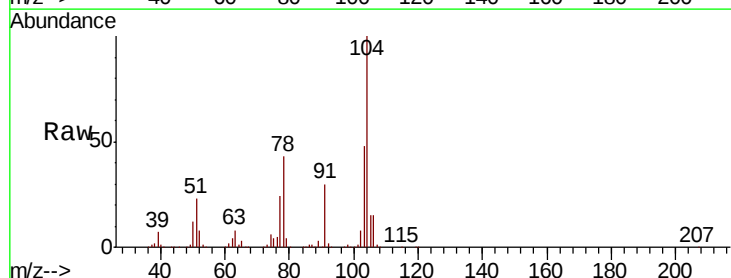
Acq: 05 Jan 2021 16:55

Tgt Ion:104 Resp: 187691

Ion Ratio Lower Upper

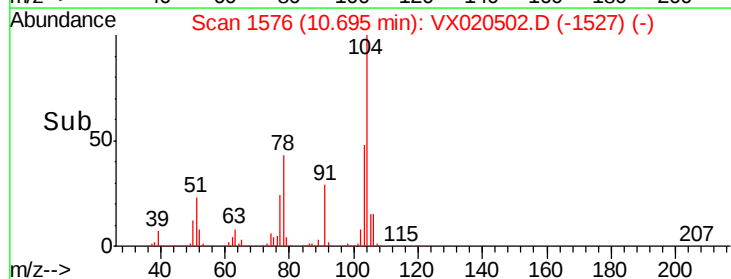
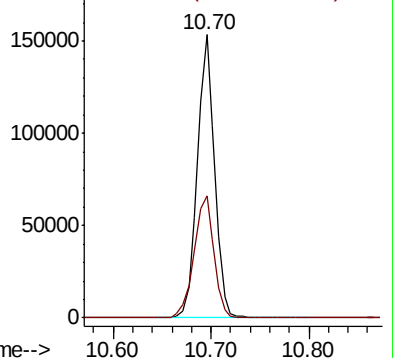
104 100

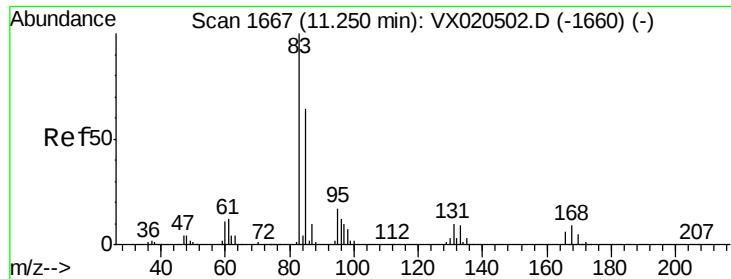
78 43.3 30.3 56.3



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: 5.687 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD005304

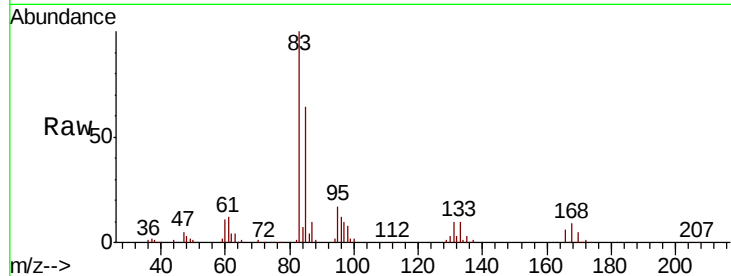
Tot Ion: 83 Resp: 52256

Ion Ratio Lower Upper

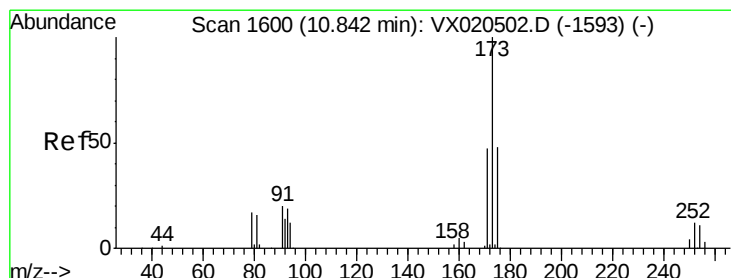
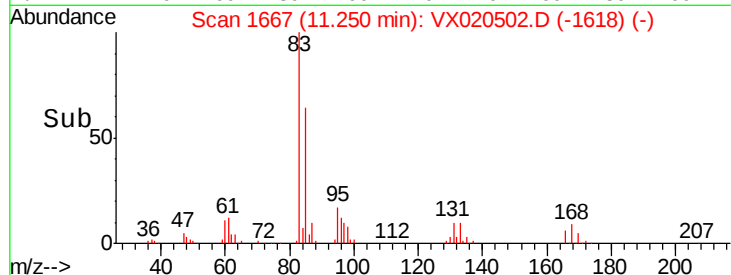
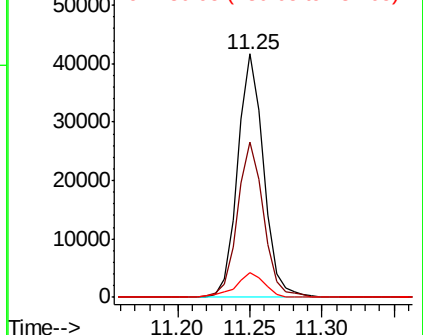
83 100

85 63.7 44.6 82.8

131 10.2 8.2 12.2



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



#59

Bromoform

Concen: 5.178 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

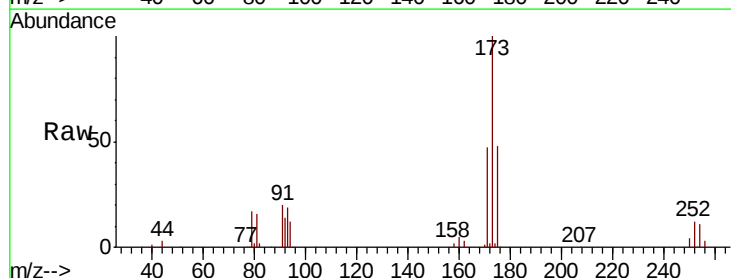
Tgt Ion: 173 Resp: 27391

Ion Ratio Lower Upper

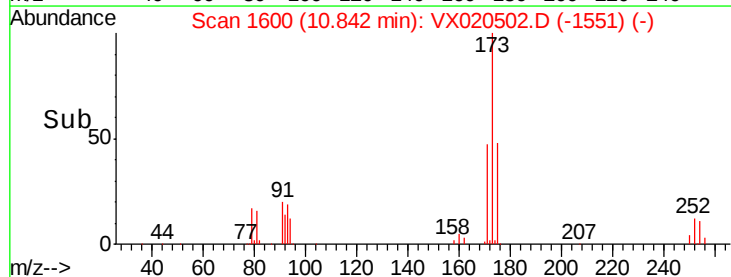
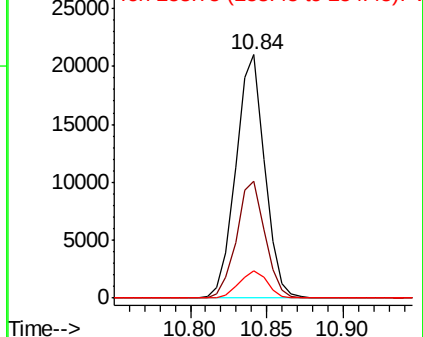
173 100

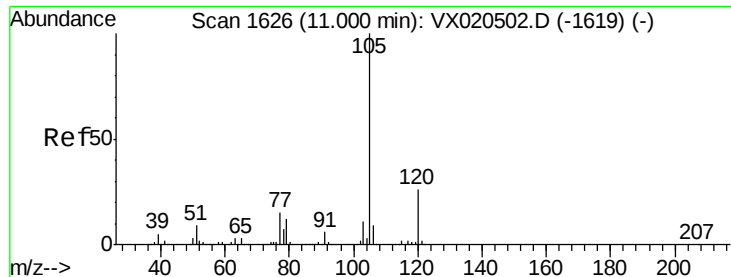
175 47.5 38.0 57.0

254 11.0 8.8 13.2



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





#60

Isopropylbenzene

Concen: 4.932 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD005304

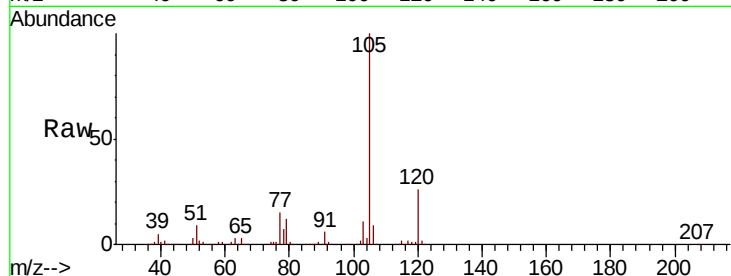
Tot Ion:105 Resp: 288530

Ion Ratio Lower Upper

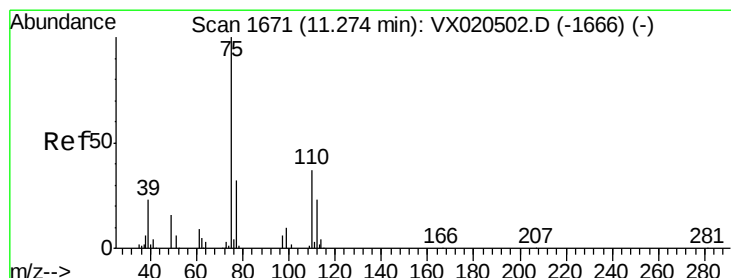
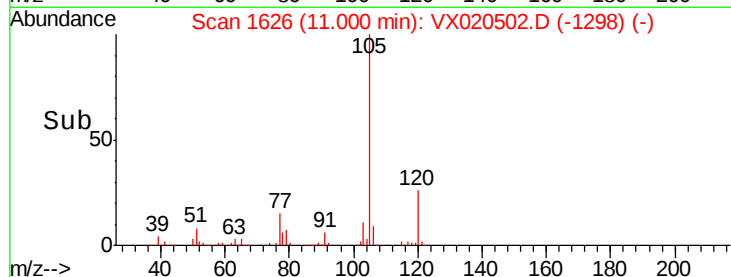
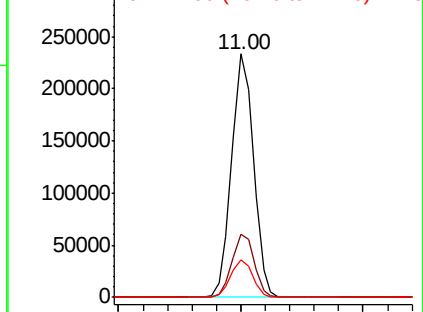
105 100

120 26.4 21.1 31.7

77 15.5 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: 5.231 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

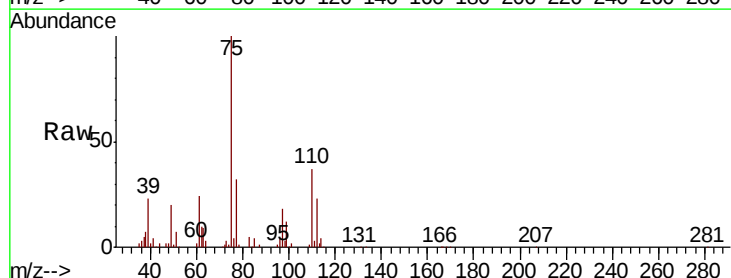
Tgt Ion: 75 Resp: 37794

Ion Ratio Lower Upper

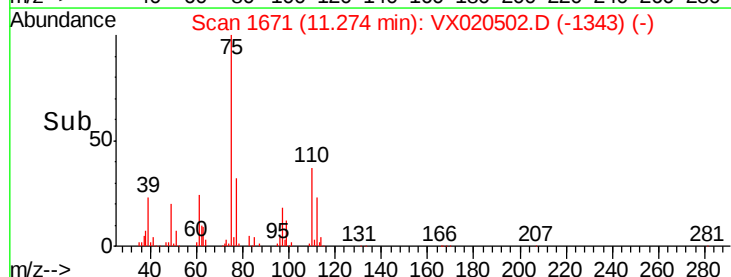
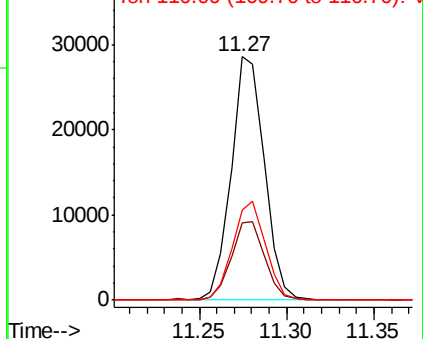
75 100

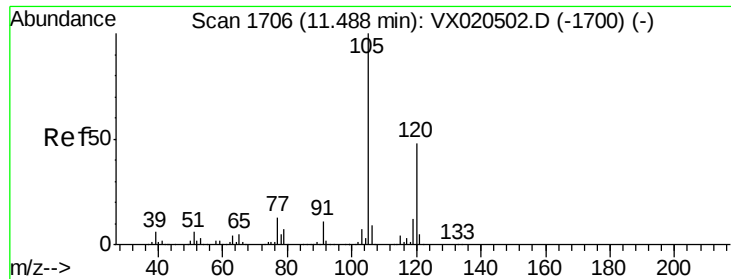
77 32.9 26.3 39.5

110 40.1 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: 4.805 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

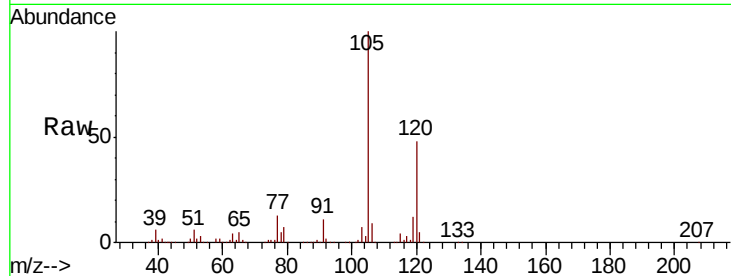
VSTD005304

Tot Ion:105 Resp: 233134

Ion Ratio Lower Upper

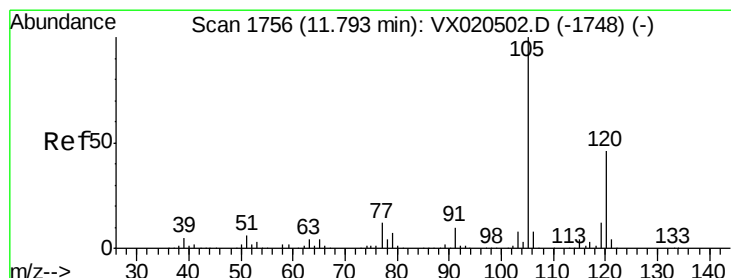
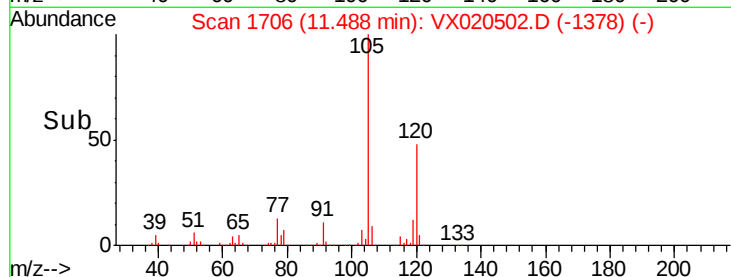
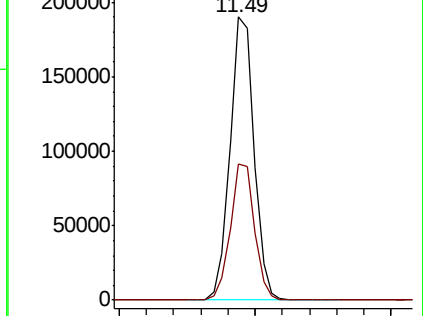
105 100

120 48.5 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: 4.826 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX020502.D

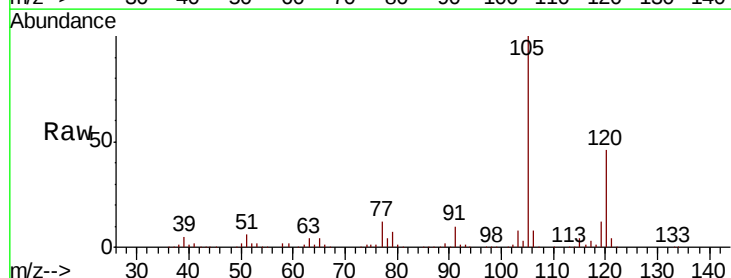
Acq: 05 Jan 2021 16:55

Tgt Ion:105 Resp: 237693

Ion Ratio Lower Upper

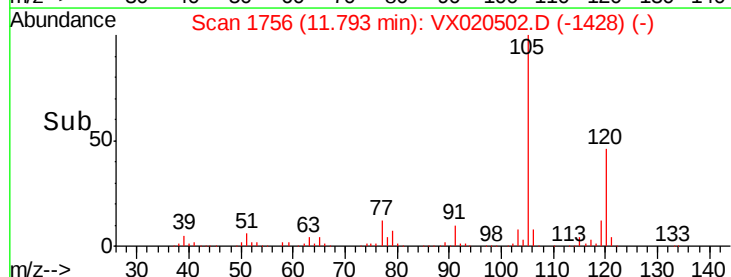
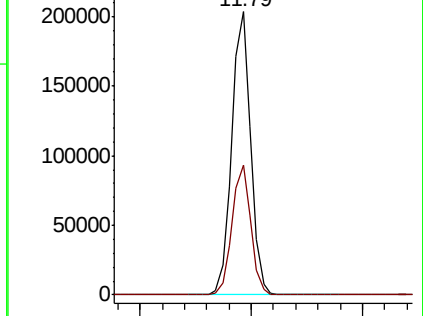
105 100

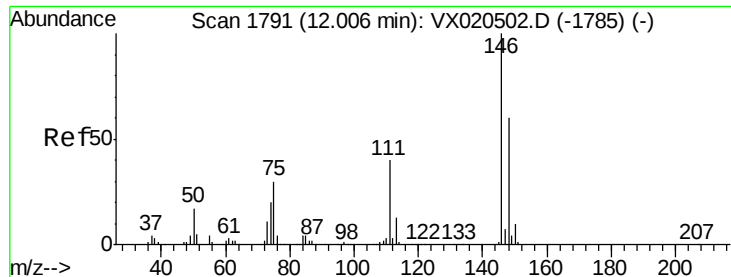
120 45.6 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 5.208 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

Instrument :

MSVOA_X

ClientSampleId :

VSTD005304

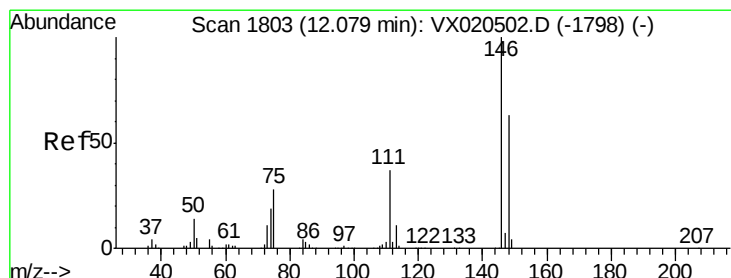
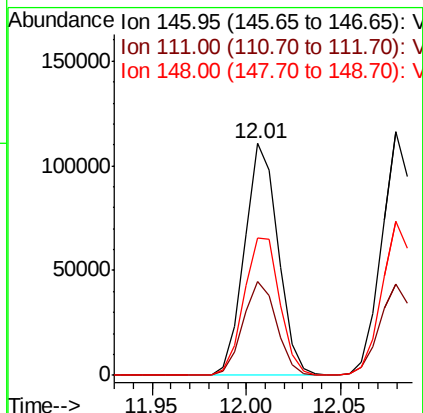
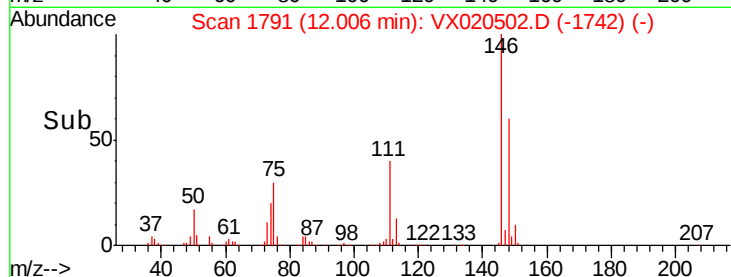
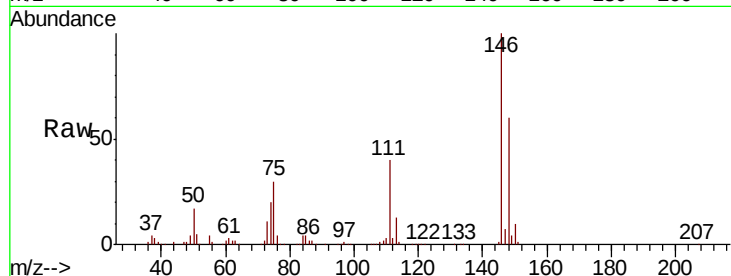
Tot Ion:146 Resp: 136894

Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

148 59.6 41.7 77.5



#65

1,4-Dichlorobenzene

Concen: 5.236 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX020502.D

Acq: 05 Jan 2021 16:55

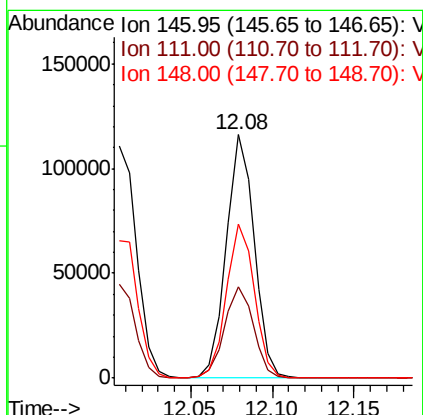
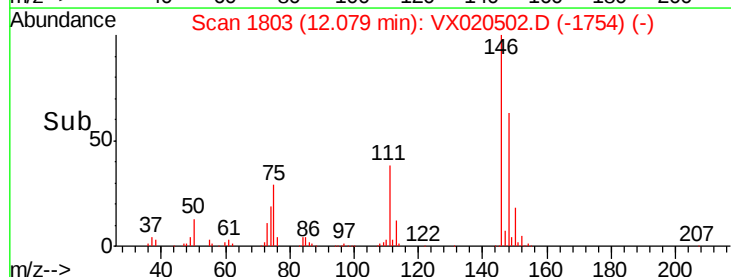
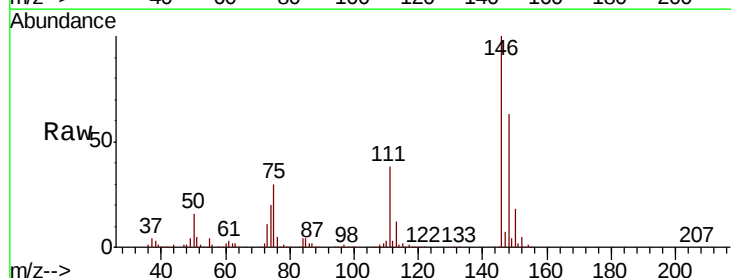
Tgt Ion:146 Resp: 138547

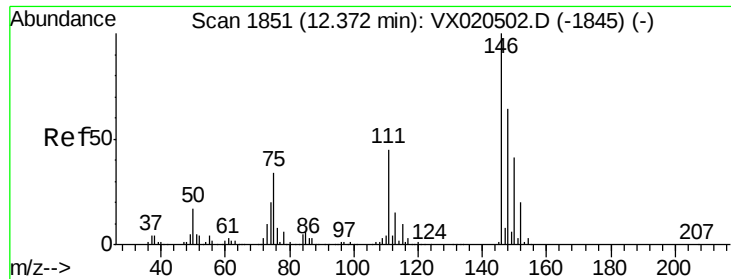
Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.8

148 63.0 44.1 81.9

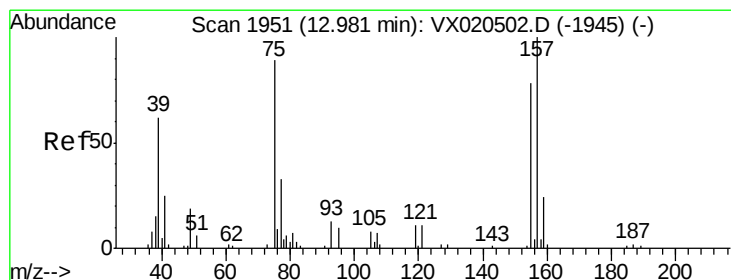
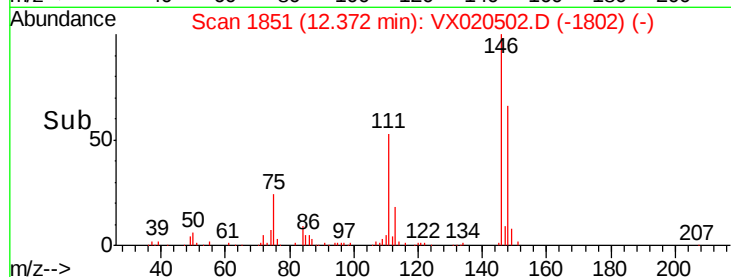
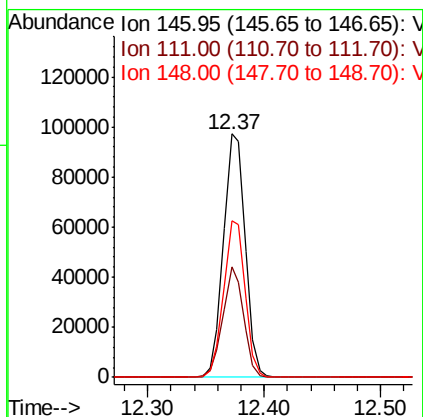
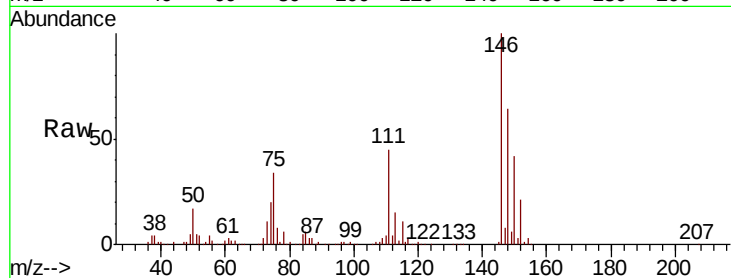




#67
 1,2-Dichlorobenzene
 Concen: 5.197 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

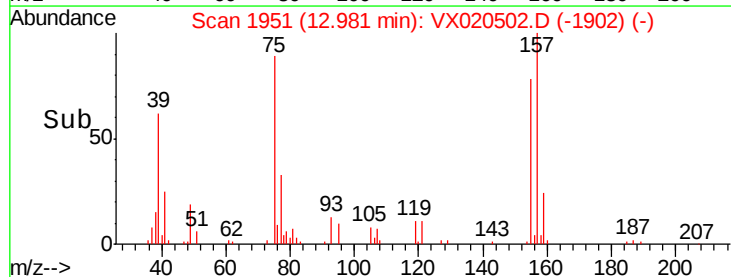
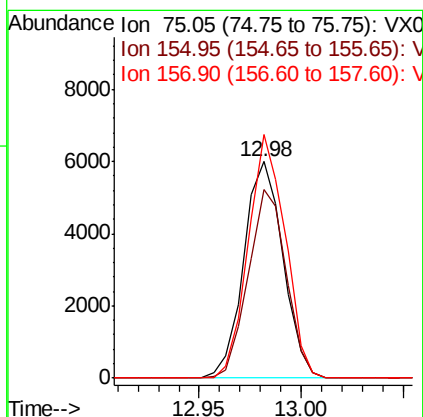
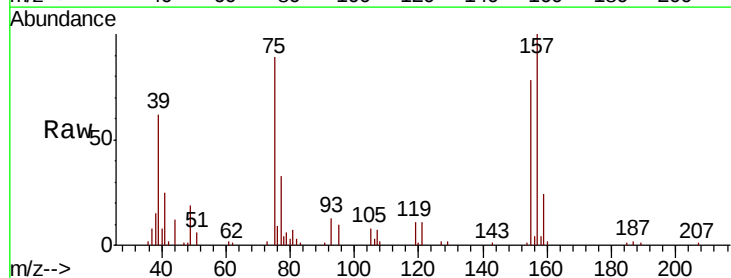
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

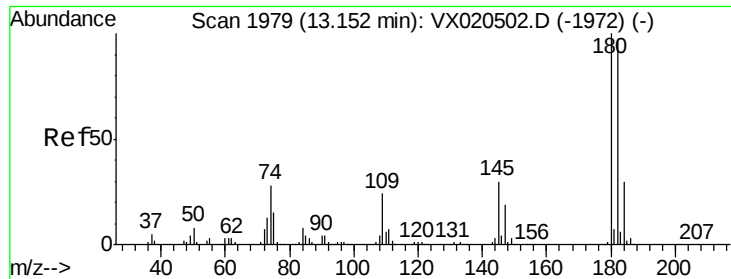
Tot Ion:146 Resp: 125729
 Ion Ratio Lower Upper
 146 100
 111 45.4 36.3 54.5
 148 64.4 51.5 77.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.935 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion: 75 Resp: 8015
 Ion Ratio Lower Upper
 75 100
 155 87.3 69.8 104.8
 157 112.5 90.0 135.0

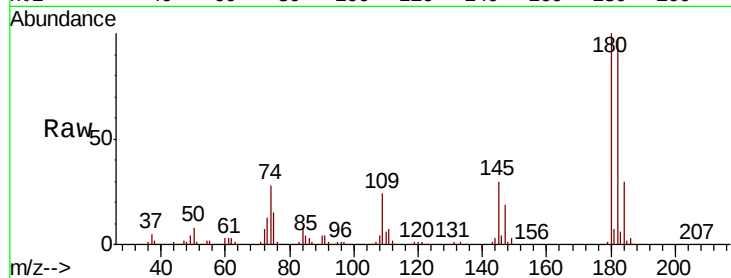




#69
 1,3,5-Trichlorobenzene
 Concen: 5.267 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005304

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	30.7	24.6	36.8
145	29.5	23.6	35.4



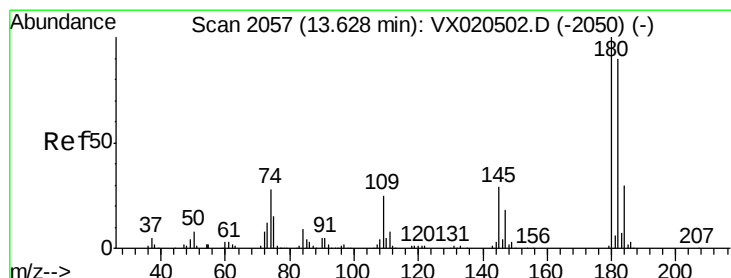
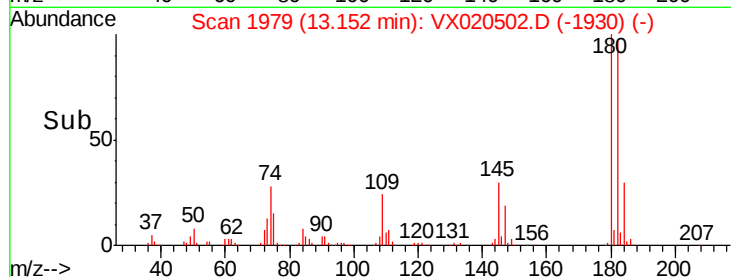
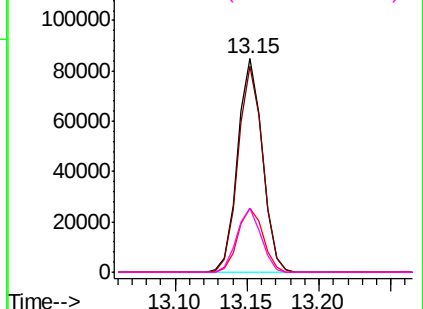
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

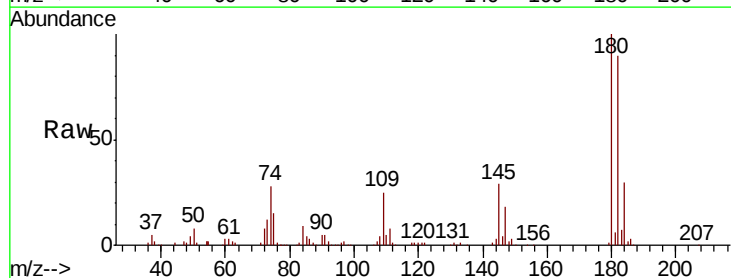
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.991 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020502.D
 Acq: 05 Jan 2021 16:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	74.3	111.5
145	30.1	24.1	36.1

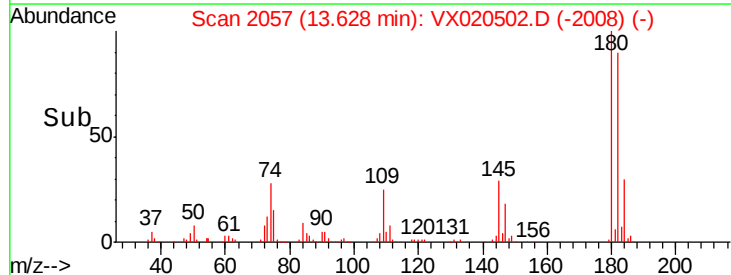
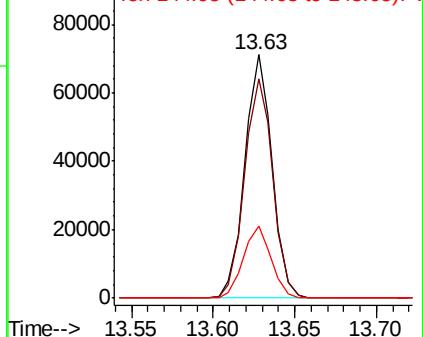


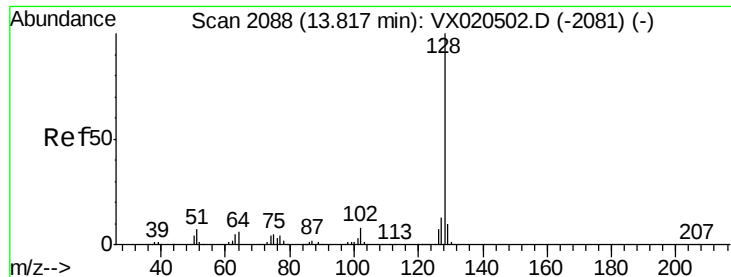
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

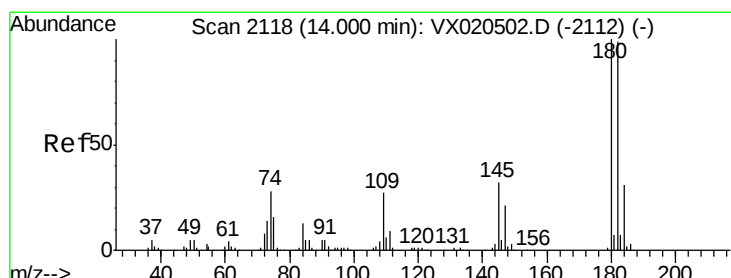
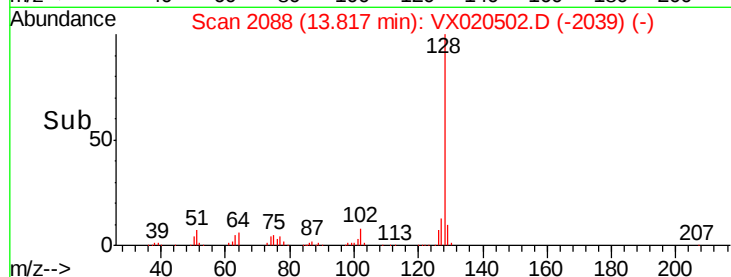
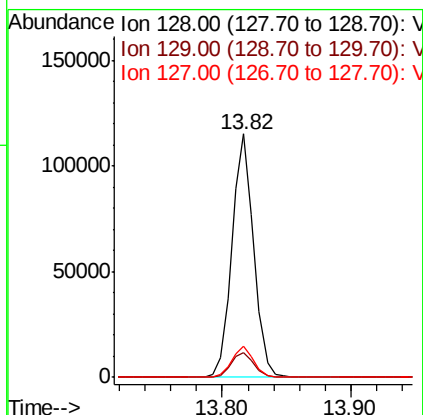
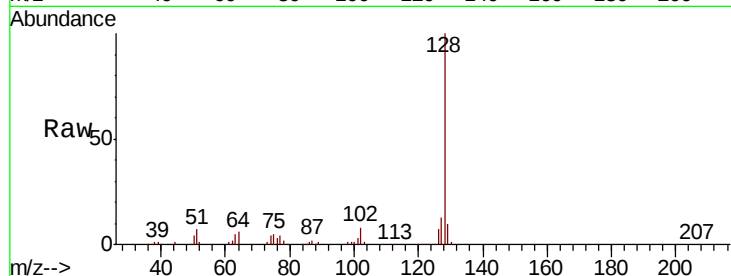




#71
Naphthalene
Concen: 4.641 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Instrument :
MSVOA_X
ClientSampleId :
VSTD005304

Tot Ion:128 Resp: 135712
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.6 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 5.198 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020502.D
Acq: 05 Jan 2021 16:55

Tgt Ion:180 Resp: 77234
Ion Ratio Lower Upper
180 100
182 99.1 79.3 118.9
145 33.1 26.5 39.7

