

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010721\
 Data File : VX020516.D
 Acq On : 06 Jan 2021 13:39
 Operator : JC/MD
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

Quant Time: Jan 06 15:09:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 15:06:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	328711	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	329575	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	148871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	25152	10.87	ug/L	0.00
7) Chloroethane-d5	1.69	69	20655	11.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	45721	9.95	ug/L	0.00
21) 2-Butanone-d5	4.53	46	29559	19.94	ug/L	0.00
24) Chloroform-d	5.13	84	39703	9.23	ug/L	-0.01
26) 1,2-Dichloroethane-d4	6.03	65	28279	8.96	ug/L	0.00
32) Benzene-d6	6.04	84	89707	10.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	28168	10.14	ug/L	0.00
41) Toluene-d8	8.69	98	81085	9.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	12644	8.22	ug/L	0.00
47) 2-Hexanone-d5	9.42	63	20809	17.94	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	36910	9.88	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	27881	9.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	27066	9.308	ug/L 99
3) Chloromethane	1.31	50	24628	10.695	ug/L 98
5) Vinyl chloride	1.39	62	26130	10.299	ug/L 99
6) Bromomethane	1.62	94	15566	11.497	ug/L 98
8) Chloroethane	1.71	64	15986	10.755	ug/L 99
9) Trichlorofluoromethane	1.92	101	33893	8.445	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	20471	9.096	ug/L 98
12) 1,1-Dichloroethene	2.36	96	19446	9.141	ug/L 95
13) Acetone	2.42	43	24803	22.162	ug/L 99
14) Carbon disulfide	2.55	76	63171	9.737	ug/L 98
15) Methyl Acetate	2.75	43	21534	9.262	ug/L 99
16) Methylene chloride	2.83	84	24140	10.218	ug/L 99
17) trans-1,2-Dichloroethene	3.14	96	21178	9.460	ug/L 96
18) Methyl tert-butyl Ether	3.17	73	59773	8.418	ug/L 99
19) 1,1-Dichloroethane	3.67	63	38768	9.380	ug/L 100
20) cis-1,2-Dichloroethene	4.56	96	22365	9.086	ug/L 100
22) 2-Butanone	4.63	43	32465	19.326	ug/L 99
23) Bromochloromethane	4.98	128	12255	9.249	ug/L 96
25) Chloroform	5.17	83	45714	9.930	ug/L 94
27) 1,2-Dichloroethane	6.15	62	31558	8.751	ug/L 98
29) Cyclohexane	5.54	56	29833	8.088	ug/L 99
30) 1,1,1-Trichloroethane	5.46	97	34188	7.832	ug/L 98
31) Carbon tetrachloride	5.75	117	28785	7.401	ug/L 98
33) Benzene	6.11	78	86470	9.082	ug/L 100
34) Trichloroethene	7.18	95	22437	8.621	ug/L 98
35) Methylcyclohexane	7.43	83	30028	7.864	ug/L 96
37) 1,2-Dichloropropane	7.48	63	22060	8.829	ug/L 98
38) Bromodichloromethane	7.87	83	28201	8.068	ug/L 97
39) cis-1,3-Dichloropropene	8.41	75	30862	7.764	ug/L 100
40) 4-Methyl-2-pentanone	8.62	43	53021	16.015	ug/L 98

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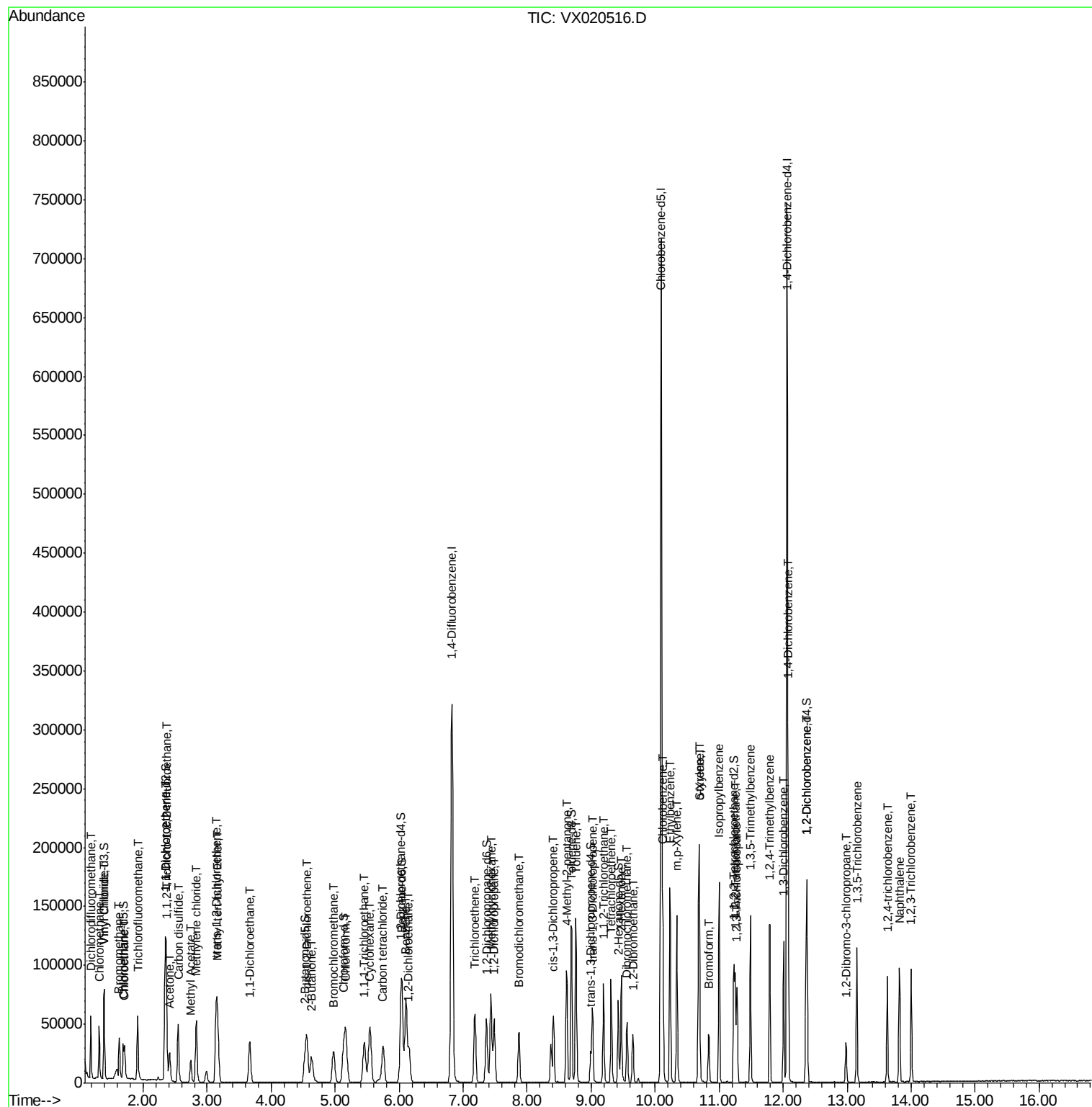
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	91299	8.941	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	29628	7.362	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	22891	9.545	ug/L	92
46) Tetrachloroethene	9.32	164	17970	8.529	ug/L	95
48) 2-Hexanone	9.47	43	43606	16.820	ug/L	98
49) Dibromochloromethane	9.56	129	22012	7.550	ug/L	97
50) 1,2-Dibromoethane	9.65	107	22648	8.650	ug/L	99
51) Chlorobenzene	10.12	112	58533	8.696	ug/L	97
52) Ethylbenzene	10.23	91	92892	8.217	ug/L	100
53) m,p-Xylene	10.34	106	33645	7.883	ug/L	94
54) o-Xylene	10.68	106	32024	7.821	ug/L	98
55) Styrene	10.70	104	53122	7.506	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	33620	9.028	ug/L	100
59) Bromoform	10.84	173	14980	7.766	ug/L	98
60) Isopropylbenzene	11.00	105	82524	8.506	ug/L	100
61) 1,2,3-Trichloropropane	11.27	75	27923	10.003	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	61847	7.692	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	61788	7.595	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	39845	8.433	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	40641	8.518	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	40647	8.833	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	6666	8.337	ug/L	95
69) 1,3,5-Trichlorobenzene	13.15	180	27207	8.494	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	20806	7.181	ug/L	96
71) Naphthalene	13.82	128	60764	6.632	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	22550	7.776	ug/L	99

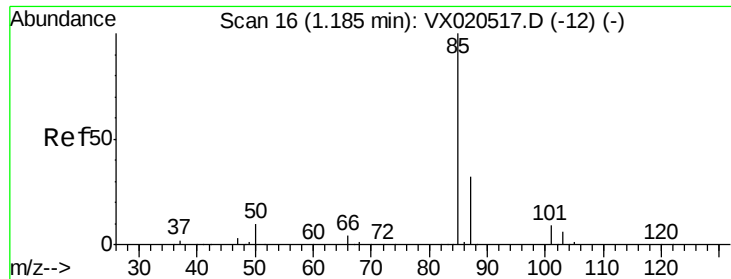
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#2

Dichlorodifluoromethane

Concen: 9.308 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

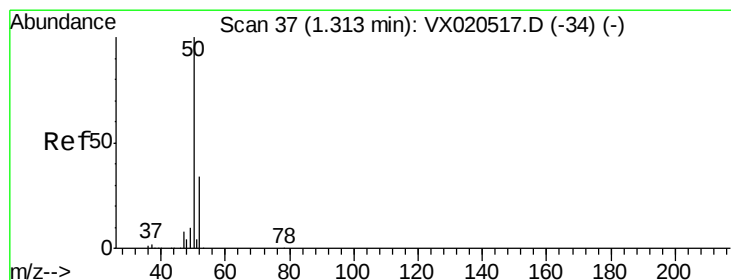
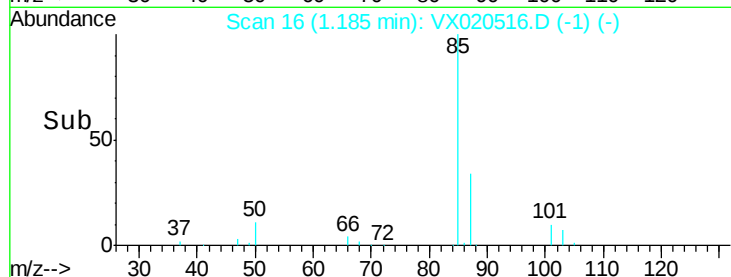
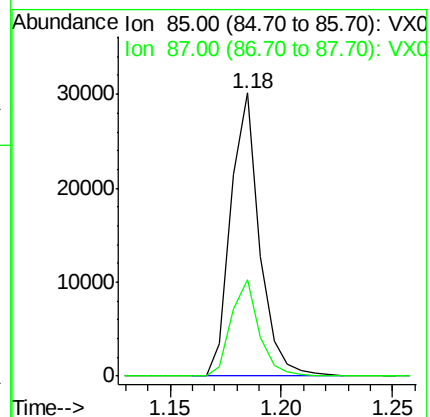
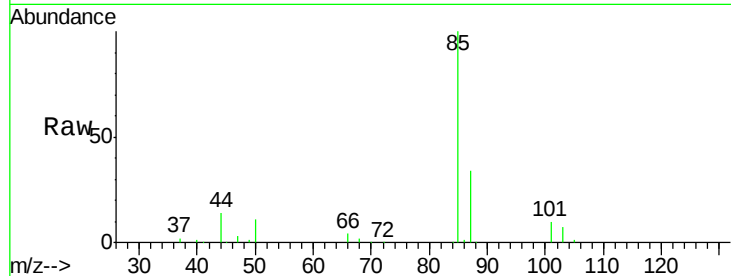
VSTD010404

Tgt Ion: 85 Resp: 27066

Ion Ratio Lower Upper

85 100

87 33.2 25.9 38.9



#3

Chloromethane

Concen: 10.695 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020516.D

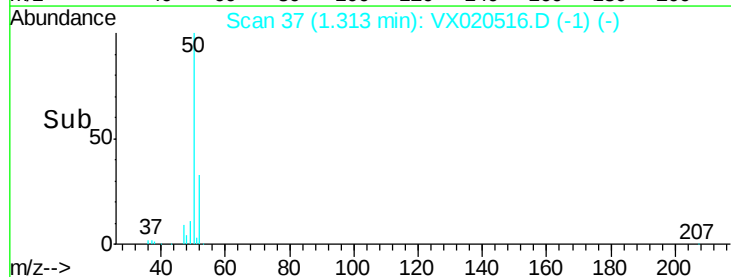
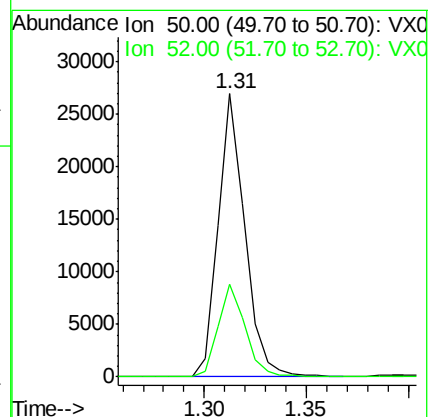
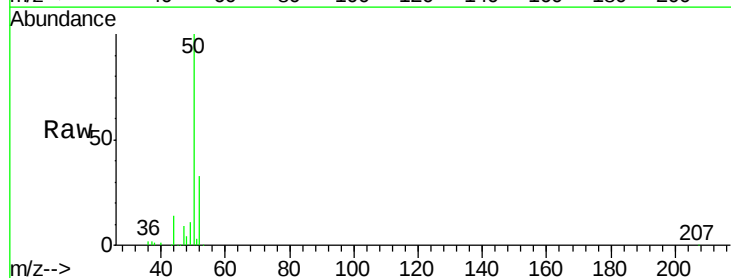
Acq: 06 Jan 2021 13:39

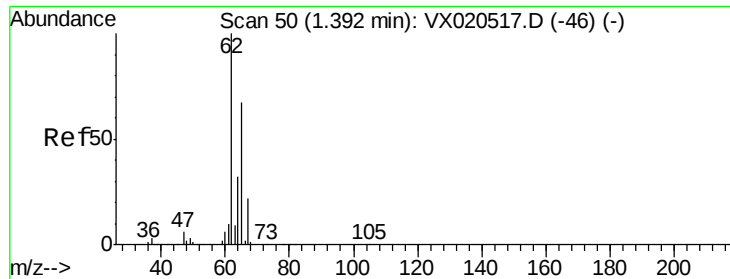
Tgt Ion: 50 Resp: 24628

Ion Ratio Lower Upper

50 100

52 32.6 23.7 43.9





#5

Vinyl chloride

Concen: 10.299 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

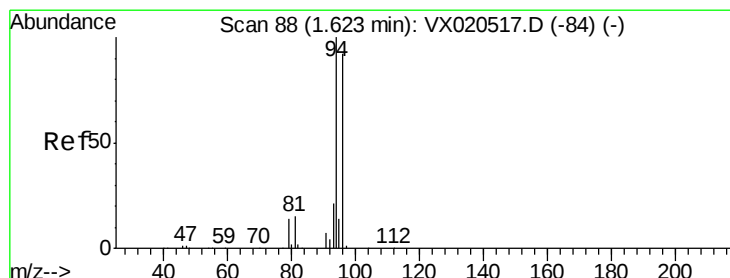
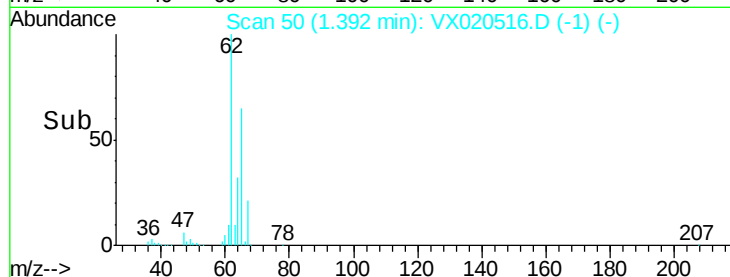
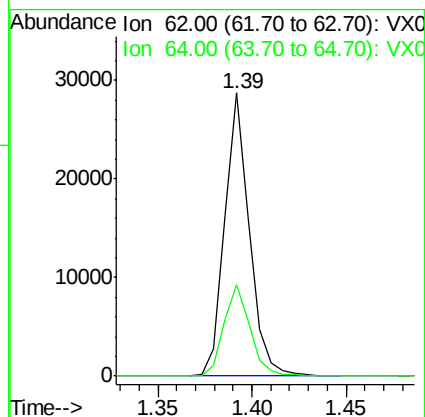
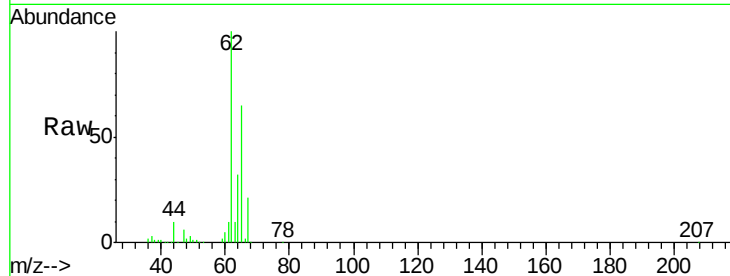
VSTD010404

Tgt Ion: 62 Resp: 26130

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.3



#6

Bromomethane

Concen: 11.497 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX020516.D

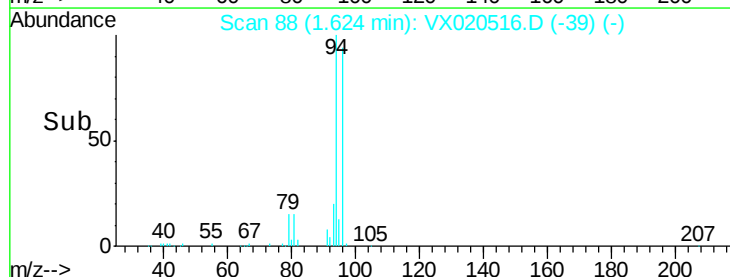
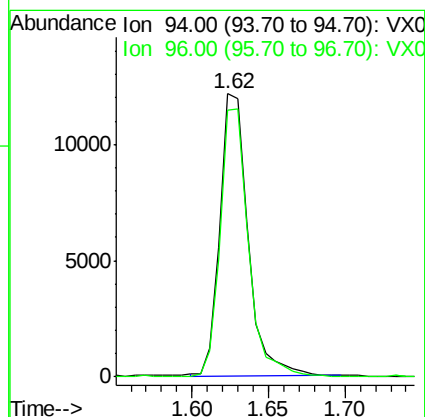
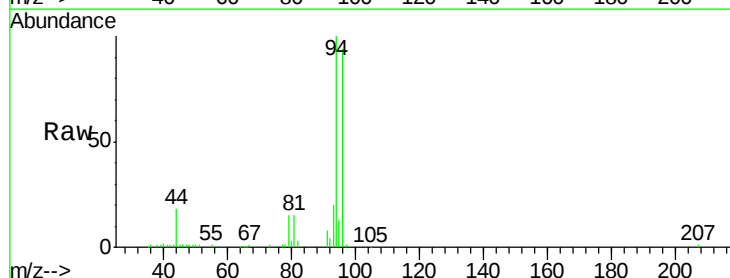
Acq: 06 Jan 2021 13:39

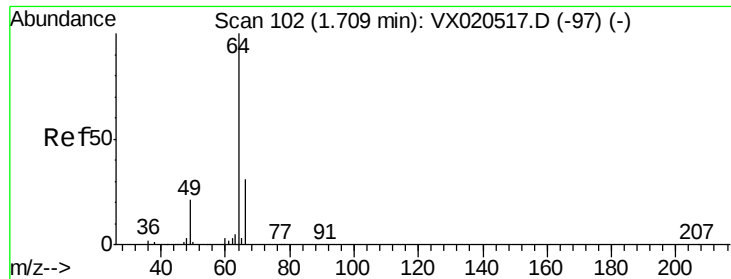
Tgt Ion: 94 Resp: 15566

Ion Ratio Lower Upper

94 100

96 94.0 64.8 120.3





#8

Chloroethane

Concen: 10.755 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

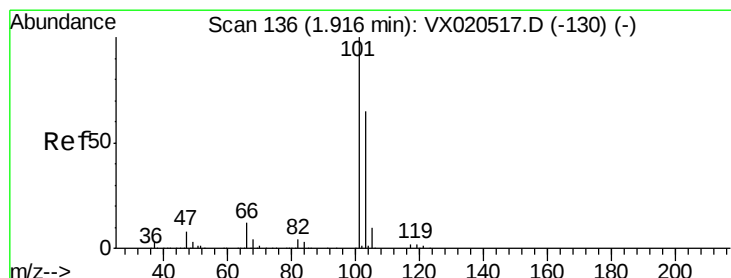
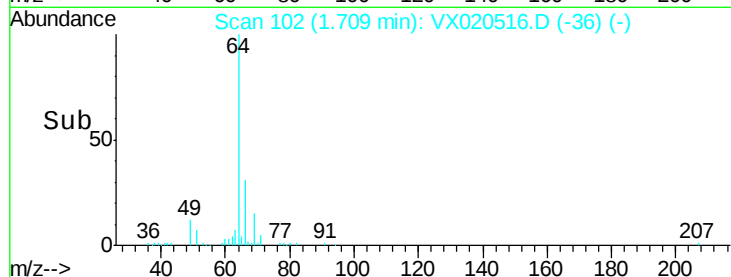
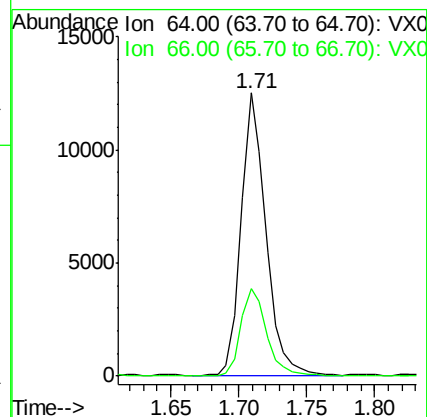
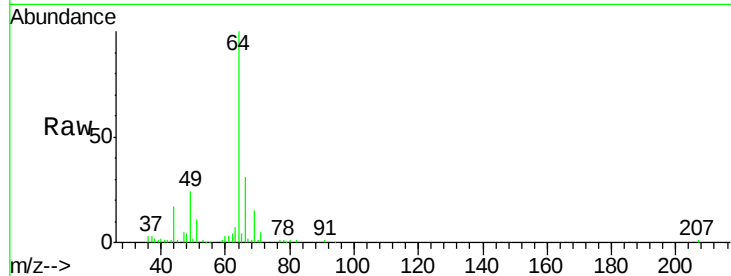
VSTD010404

Tgt Ion: 64 Resp: 15986

Ion Ratio Lower Upper

64 100

66 30.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 8.445 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020516.D

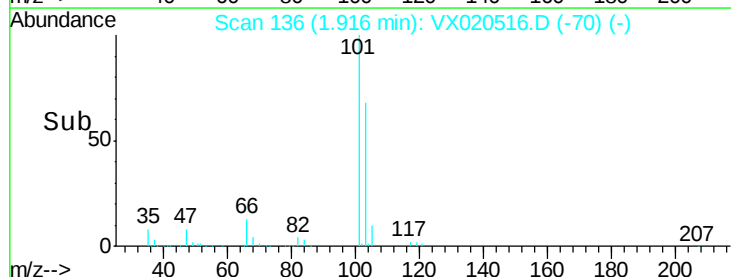
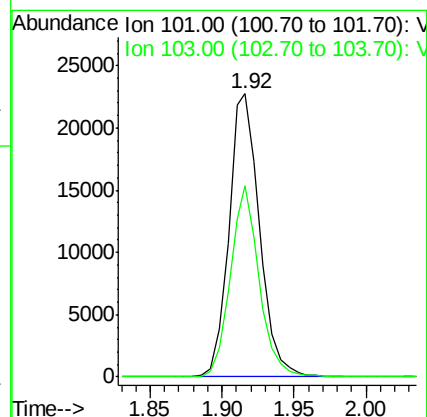
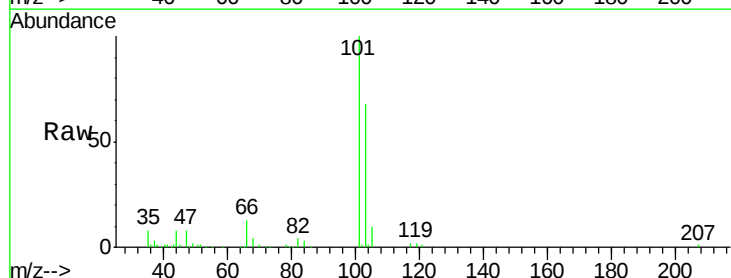
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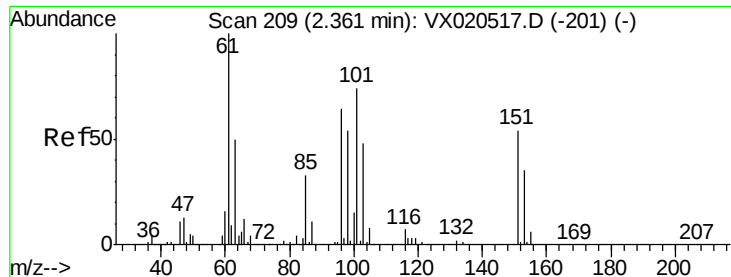
Tgt Ion: 101 Resp: 33893

Ion Ratio Lower Upper

101 100

103 63.4 52.2 78.2





#10

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

Concen: 9.096 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

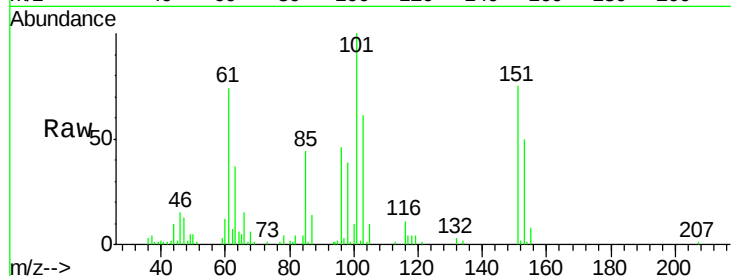
Tgt Ion:101 Resp: 20471

Ion Ratio Lower Upper

101 100

85 43.2 34.3 51.5

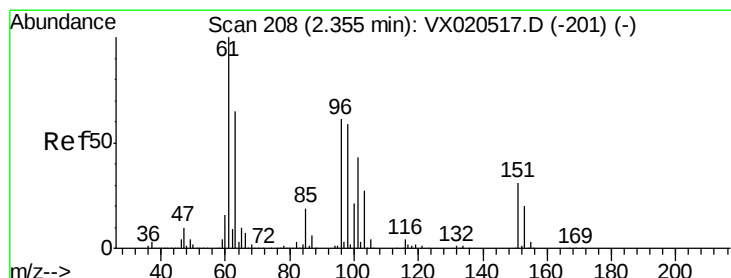
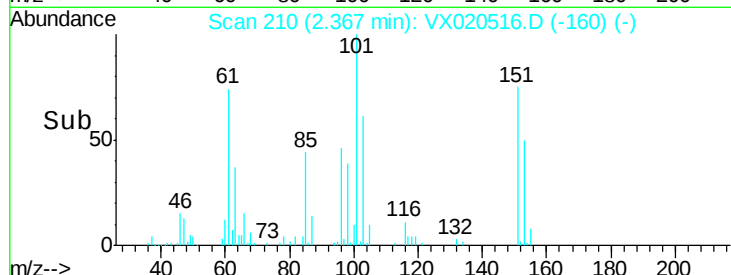
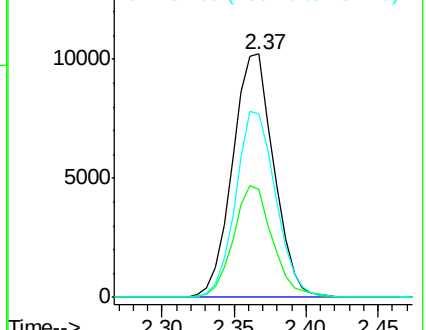
151 73.8 60.7 91.1



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: 9.141 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

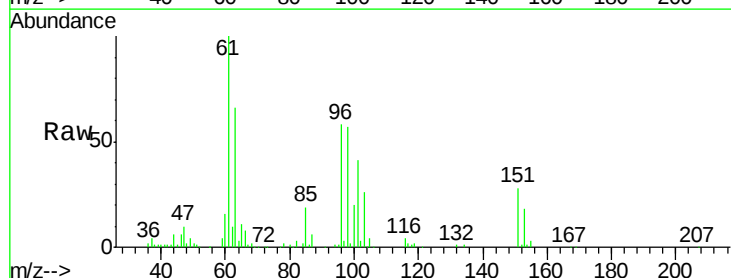
Tgt Ion: 96 Resp: 19446

Ion Ratio Lower Upper

96 100

61 173.4 115.5 214.5

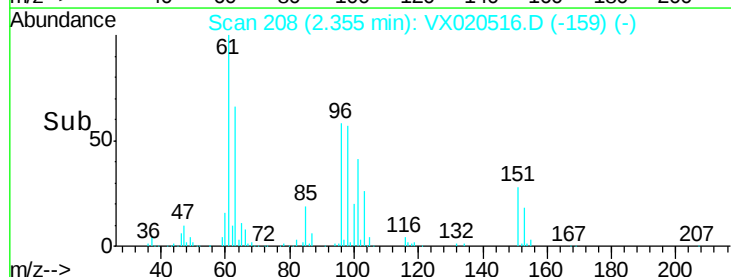
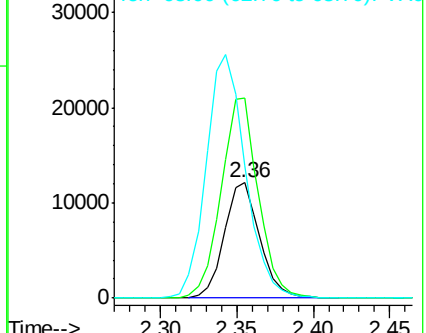
63 114.6 77.3 143.7

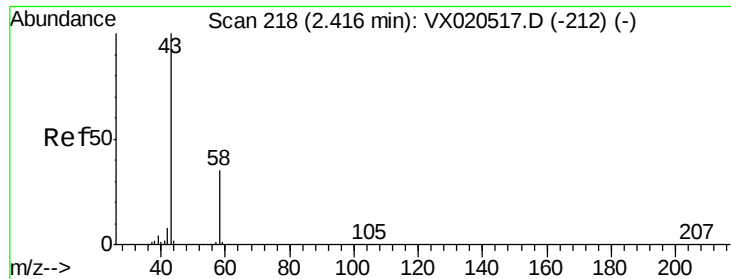


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 22.162 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

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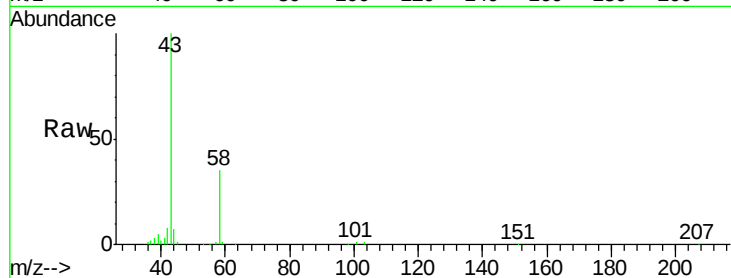
VSTD010404

Tgt Ion: 43 Resp: 24803

Ion Ratio Lower Upper

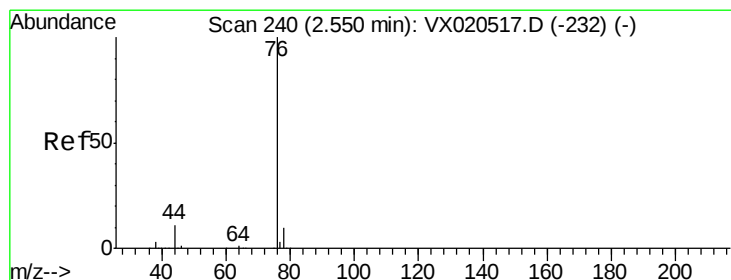
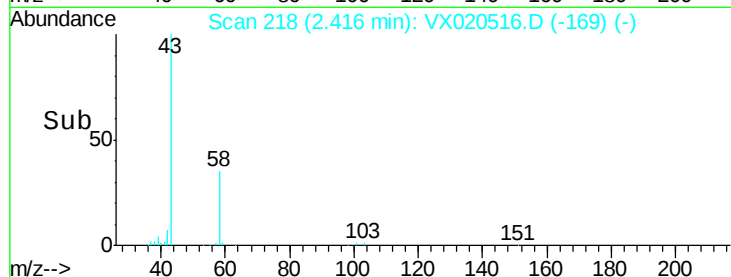
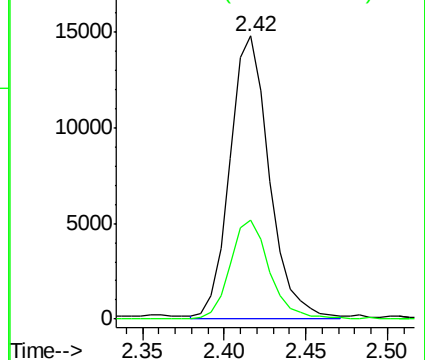
43 100

58 34.9 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 9.737 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020516.D

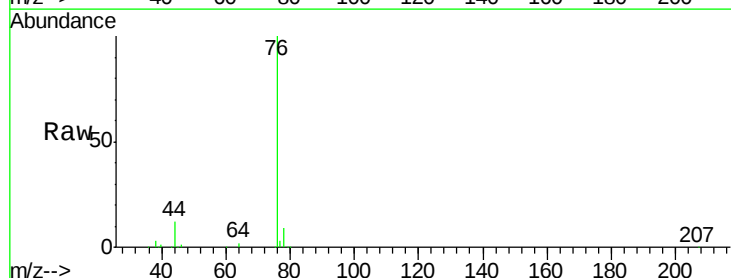
Acq: 06 Jan 2021 13:39

Tgt Ion: 76 Resp: 63171

Ion Ratio Lower Upper

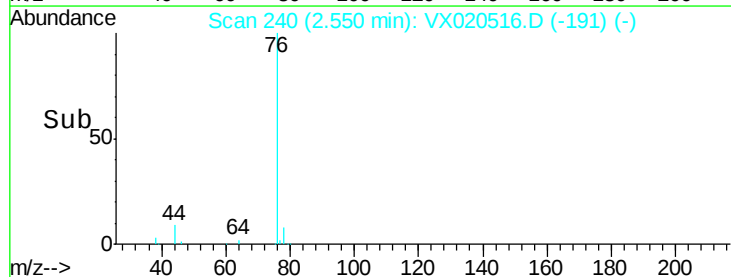
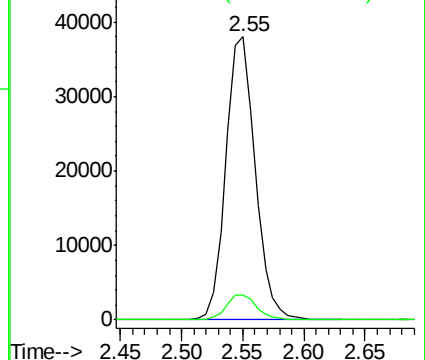
76 100

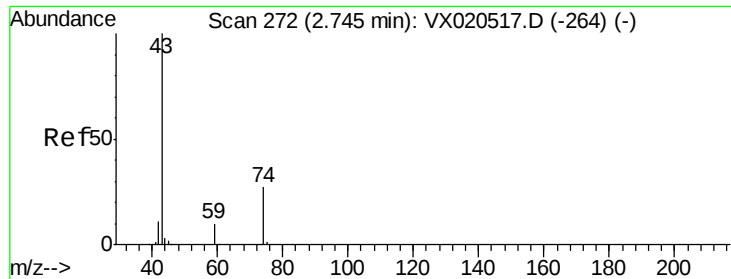
78 8.7 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 9.262 ug/L

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampled :

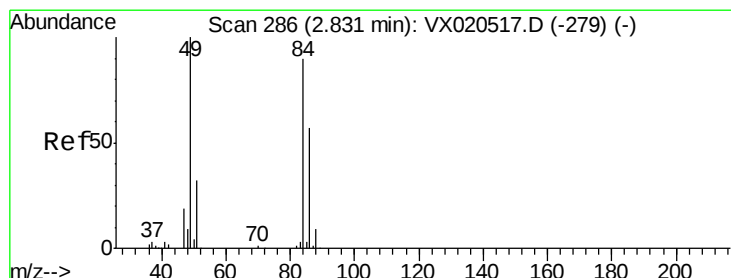
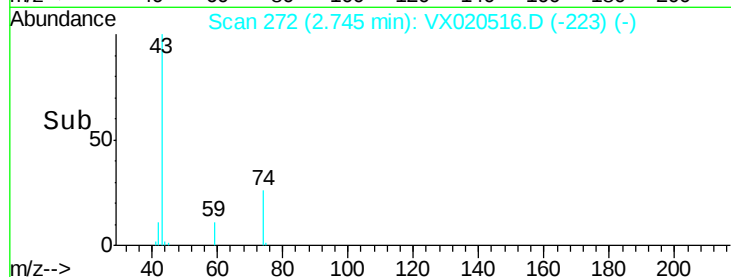
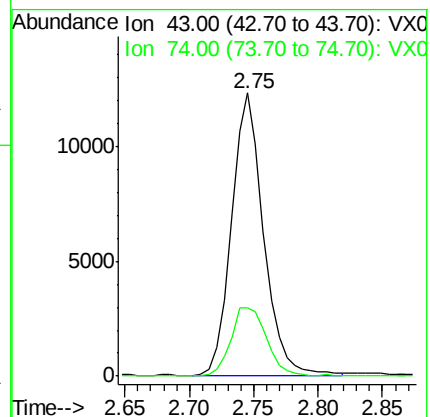
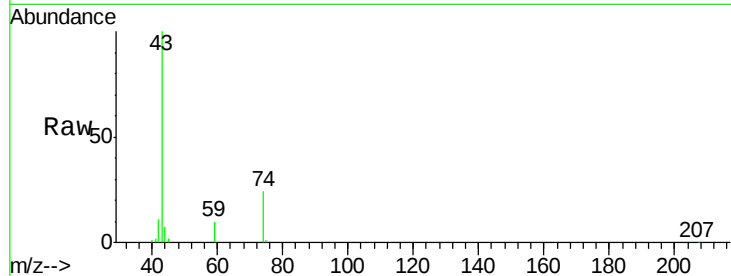
VSTD010404

Tgt Ion: 43 Resp: 21534

Ion Ratio Lower Upper

43 100

74 26.6 21.7 32.5



#16

Methylene chloride

Concen: 10.218 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

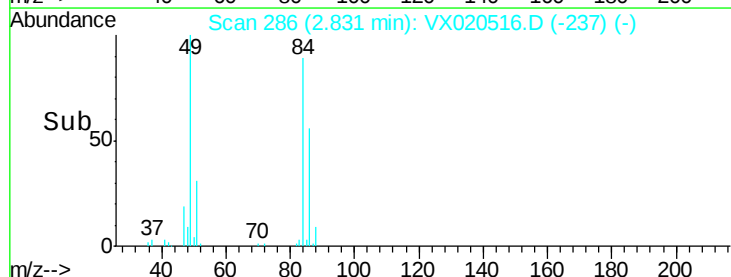
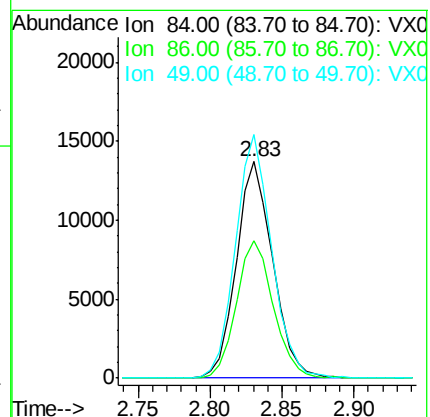
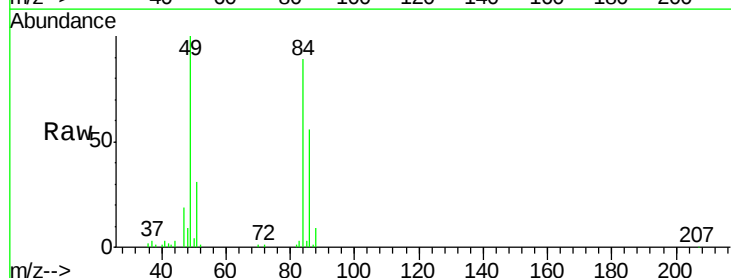
Tgt Ion: 84 Resp: 24140

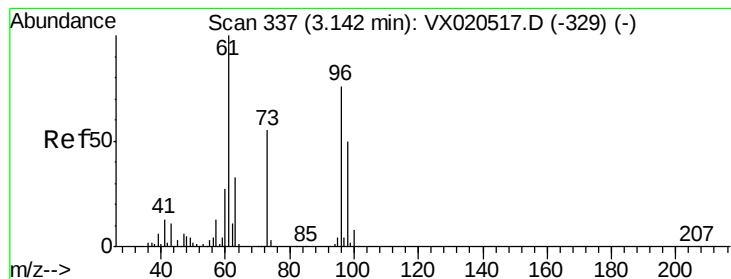
Ion Ratio Lower Upper

84 100

86 63.5 44.2 82.0

49 112.6 77.8 144.6





#17

trans-1,2-Dichloroethene

Concen: 9.460 ug/L

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

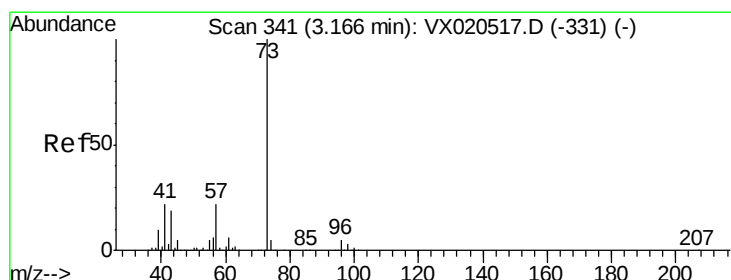
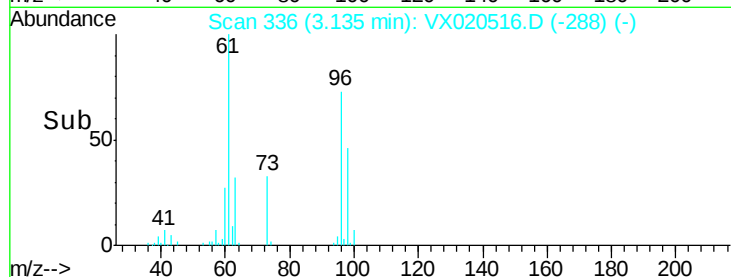
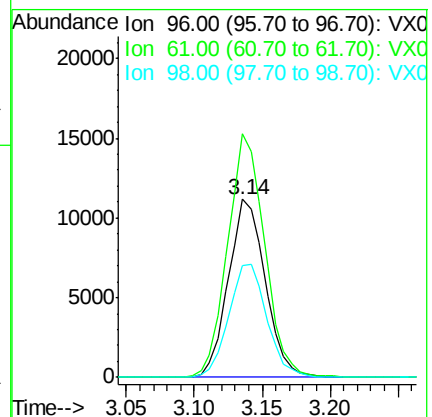
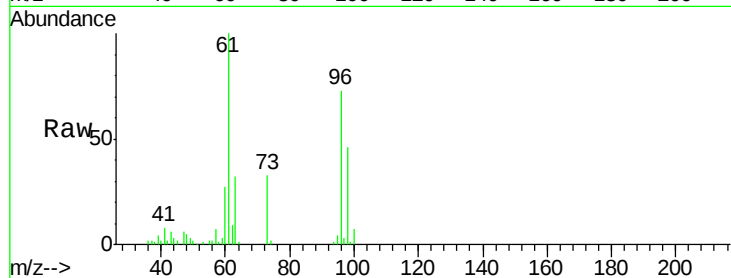
Tgt Ion: 96 Resp: 21178

Ion Ratio Lower Upper

96 100

61 137.0 92.3 171.3

98 62.9 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 8.418 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

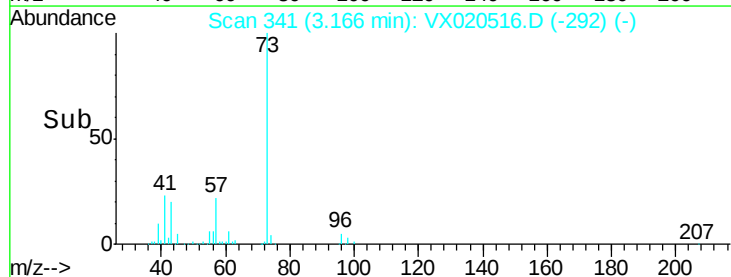
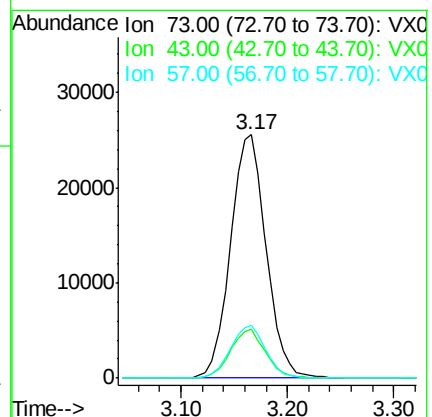
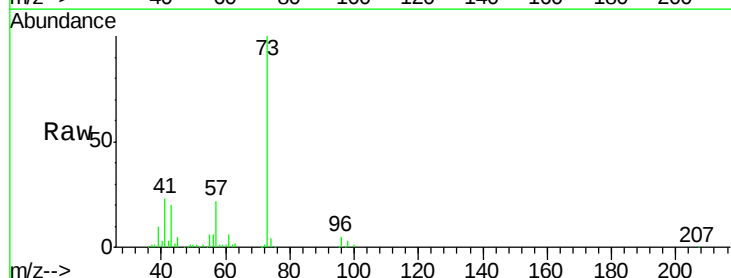
Tgt Ion: 73 Resp: 59773

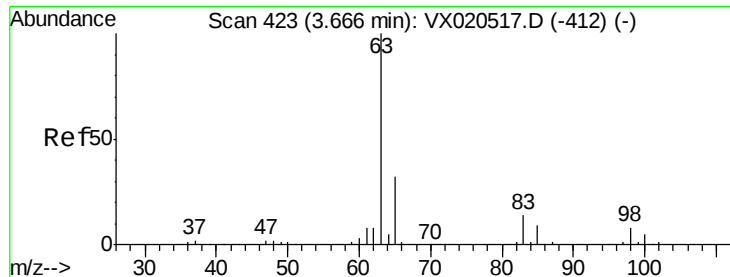
Ion Ratio Lower Upper

73 100

43 19.7 15.1 22.7

57 21.4 17.4 26.2

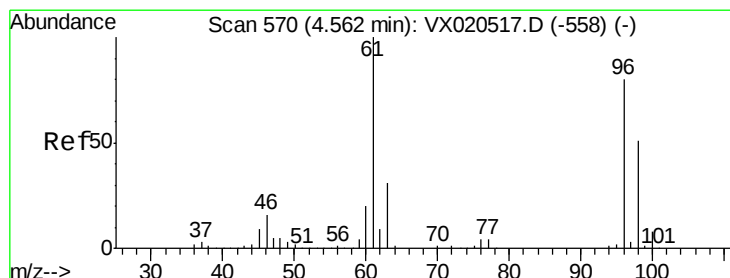
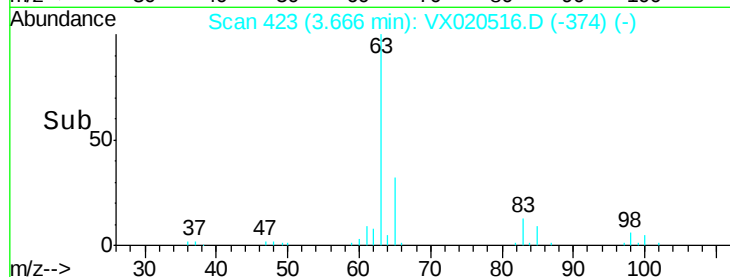
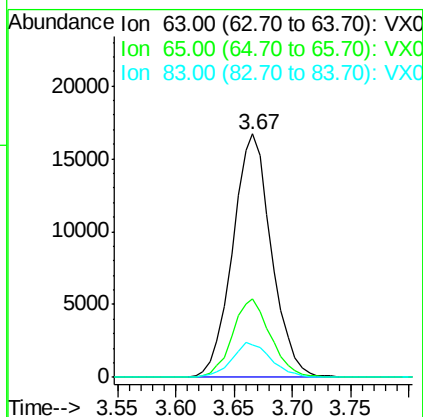
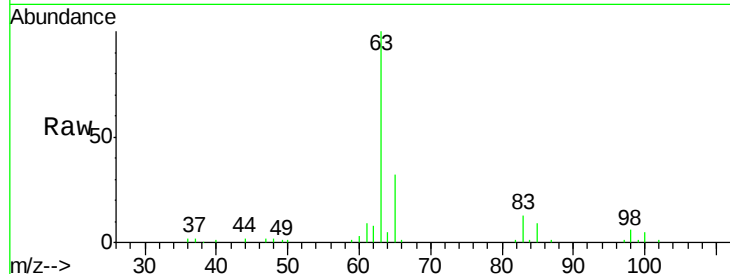




#19
 1,1-Dichloroethane
 Concen: 9.380 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

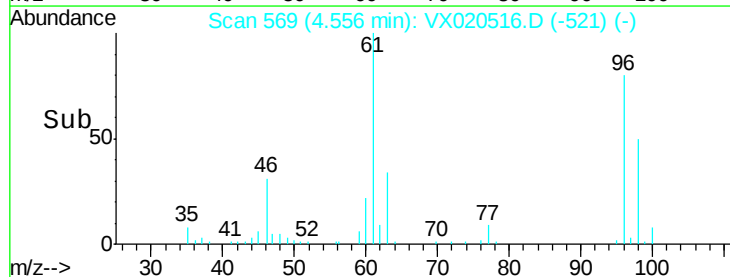
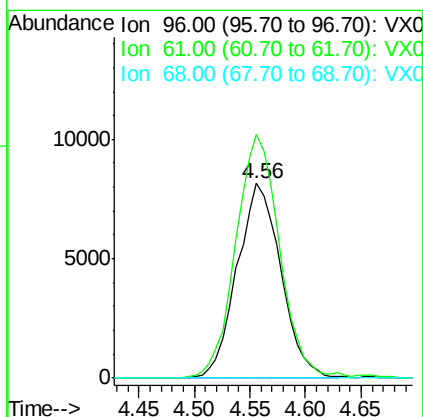
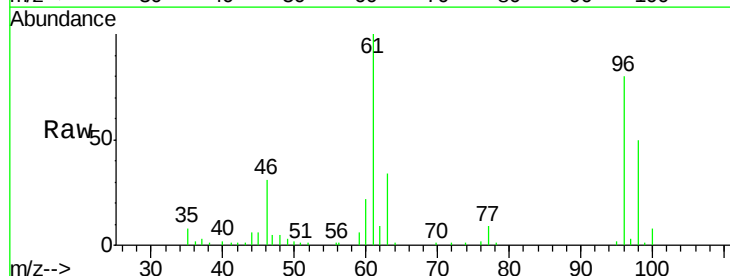
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

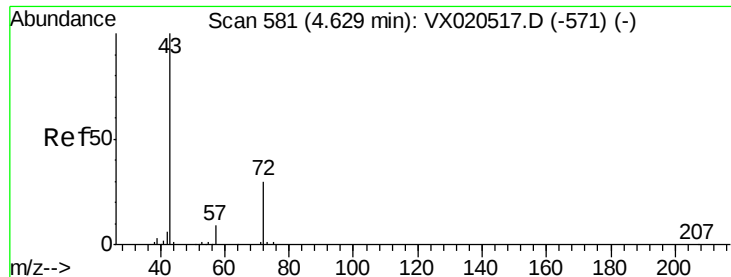
Tgt Ion: 63 Resp: 38768
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.4 41.6
 83 13.2 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 9.086 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

Tgt Ion: 96 Resp: 22365
 Ion Ratio Lower Upper
 96 100
 61 124.9 87.8 163.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 19.326 ug/L

RT: 4.63 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

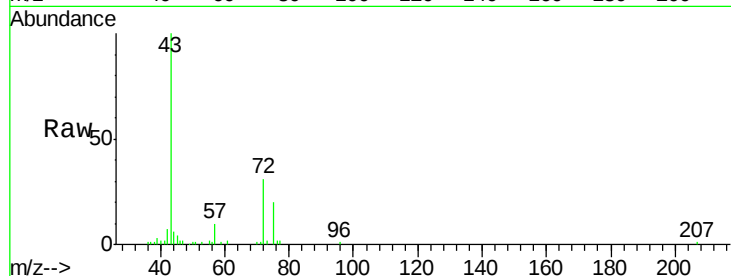
VSTD010404

Tgt Ion: 43 Resp: 32465

Ion Ratio Lower Upper

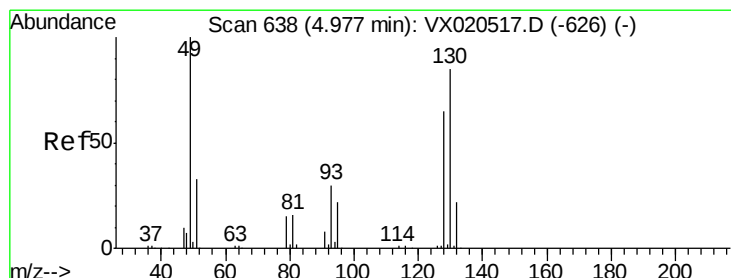
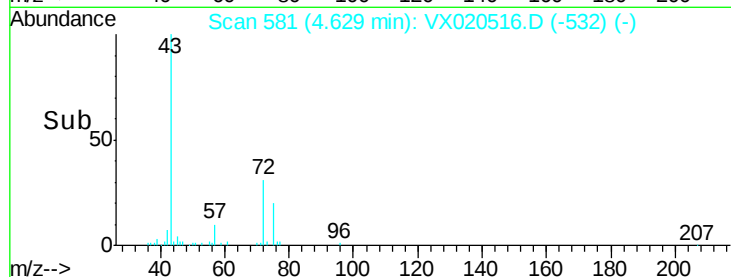
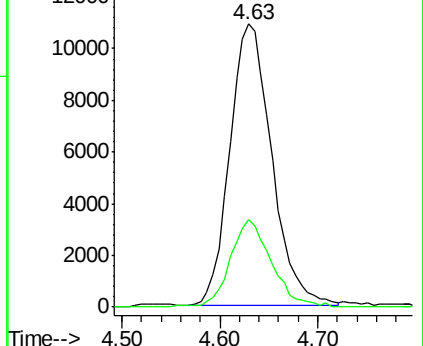
43 100

72 29.9 15.3 45.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 9.249 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Tgt Ion: 128 Resp: 12255

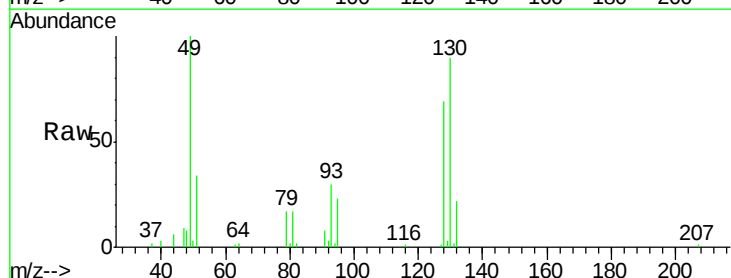
Ion Ratio Lower Upper

128 100

49 144.3 107.5 199.7

130 130.5 91.1 169.3

51 48.5 40.3 60.5

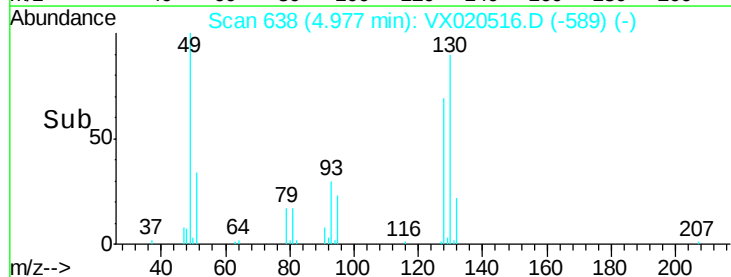
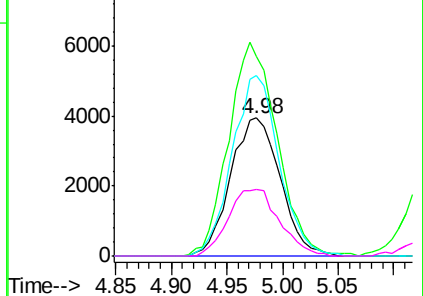


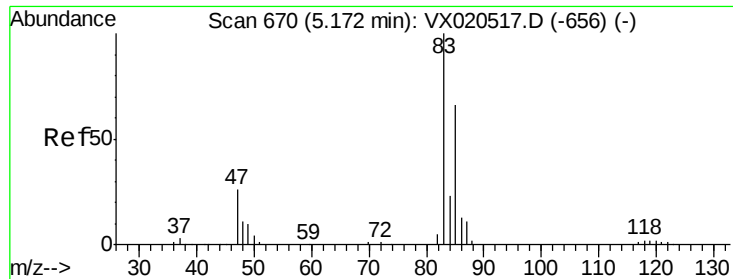
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0





#25

Chloroform

Concen: 9.930 ug/L

RT: 5.17 min Scan# 669

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

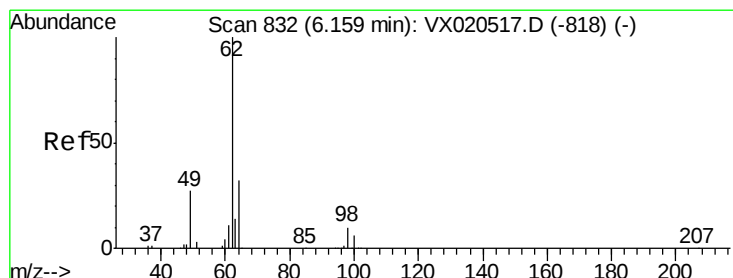
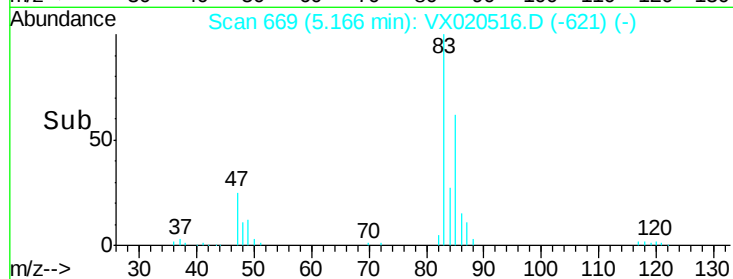
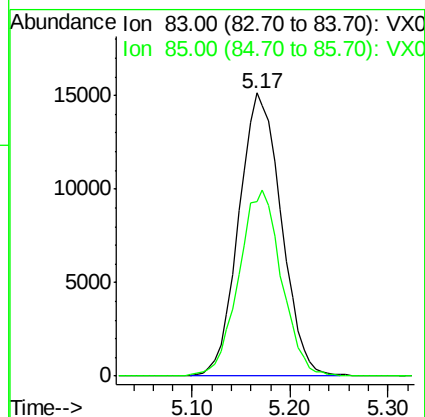
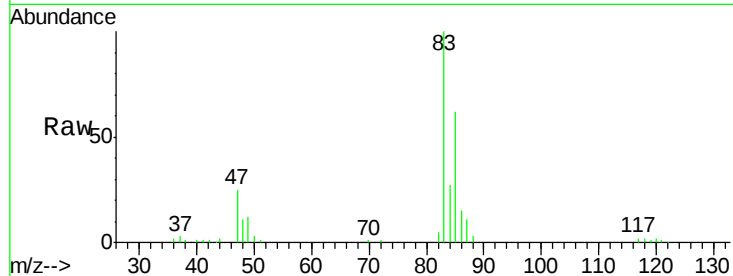
VSTD010404

Tgt Ion: 83 Resp: 45714

Ion Ratio Lower Upper

83 100

85 61.7 46.3 85.9



#27

1,2-Dichloroethane

Concen: 8.751 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX020516.D

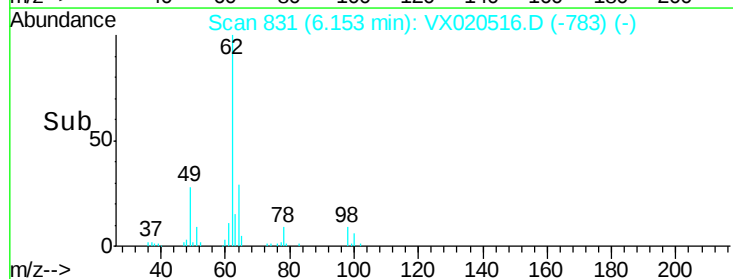
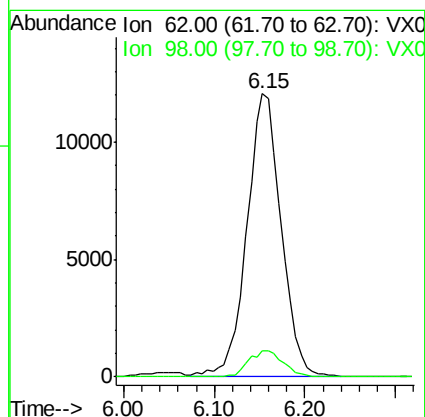
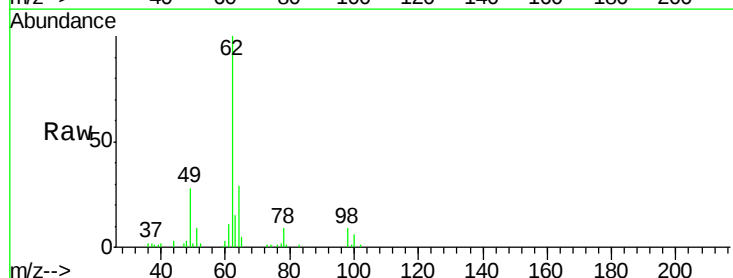
Acq: 06 Jan 2021 13:39

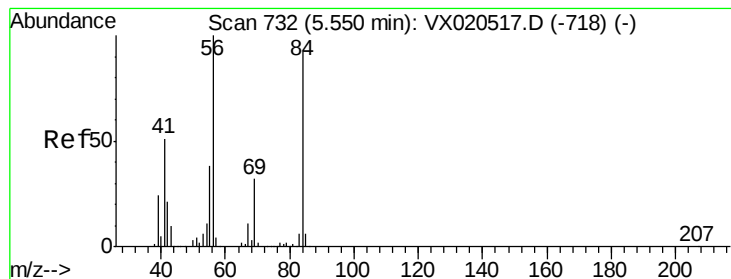
Tgt Ion: 62 Resp: 31558

Ion Ratio Lower Upper

62 100

98 9.1 7.9 11.9





#29

Cyclohexane

Concen: 8.088 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

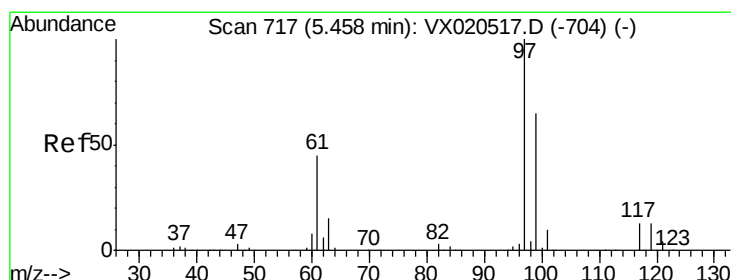
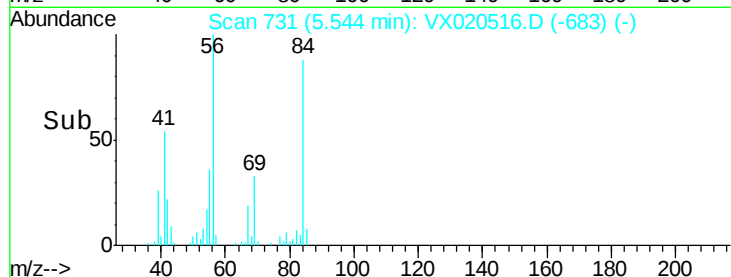
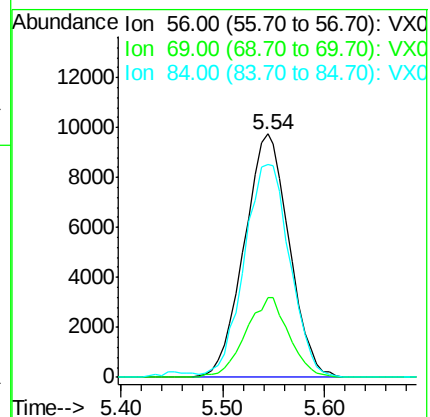
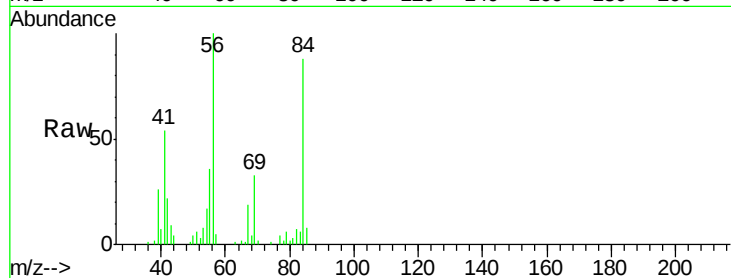
Tgt Ion: 56 Resp: 29833

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

84 89.3 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 7.832 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

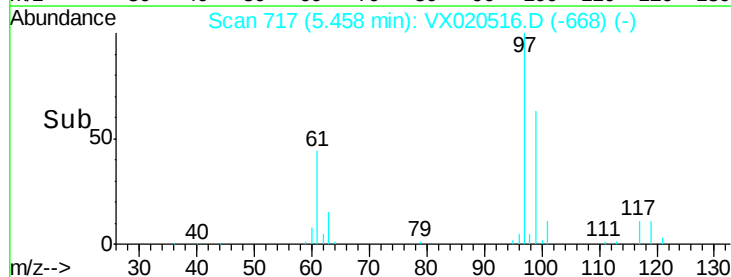
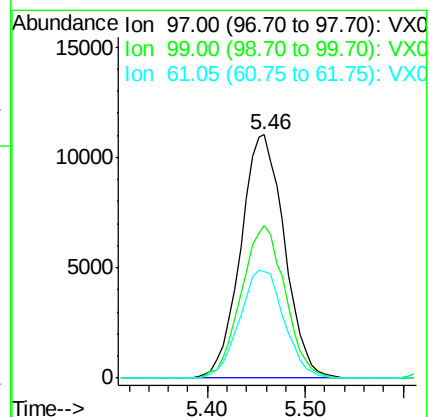
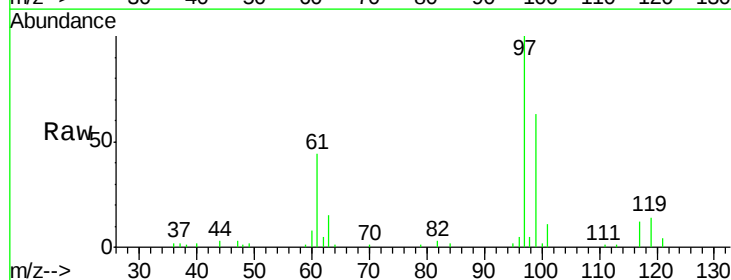
Tgt Ion: 97 Resp: 34188

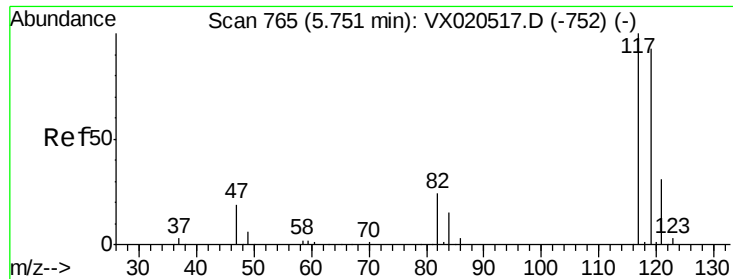
Ion Ratio Lower Upper

97 100

99 62.8 52.1 78.1

61 45.1 35.3 52.9

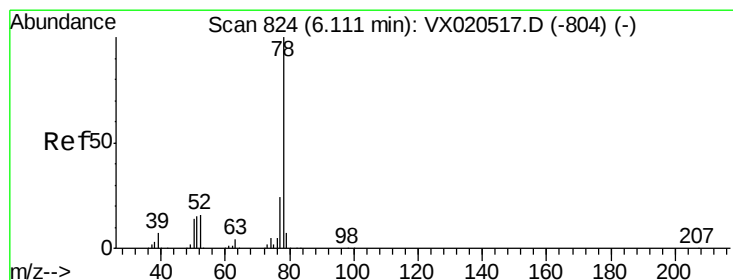
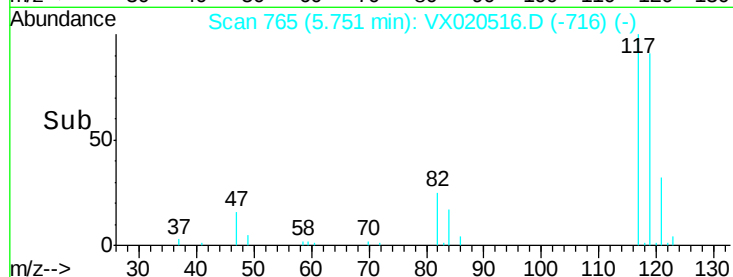
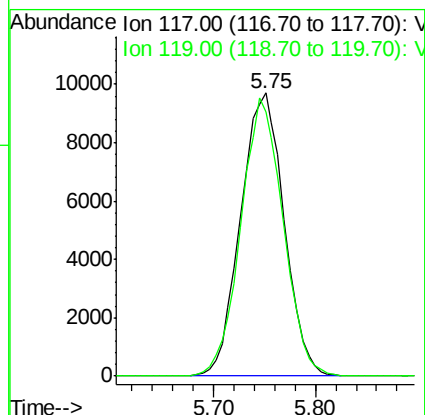
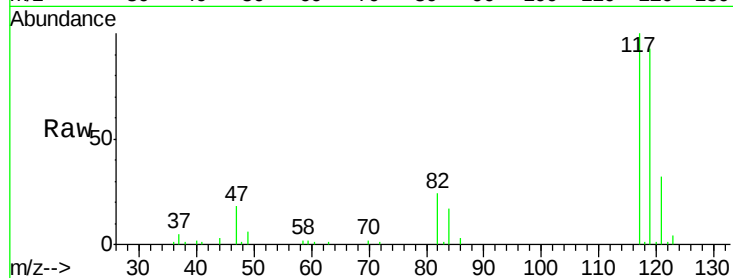




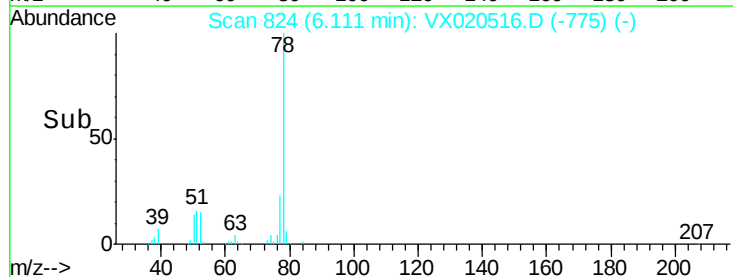
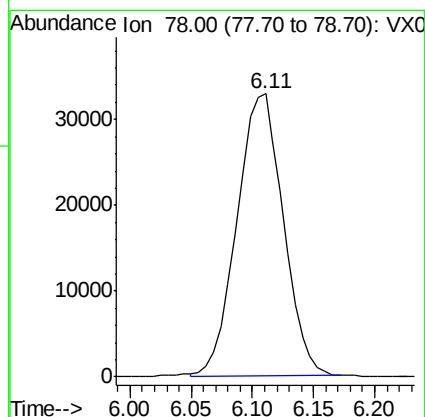
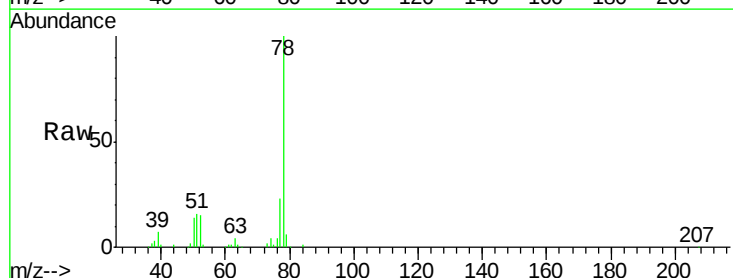
#31
Carbon tetrachloride
Concen: 7.401 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

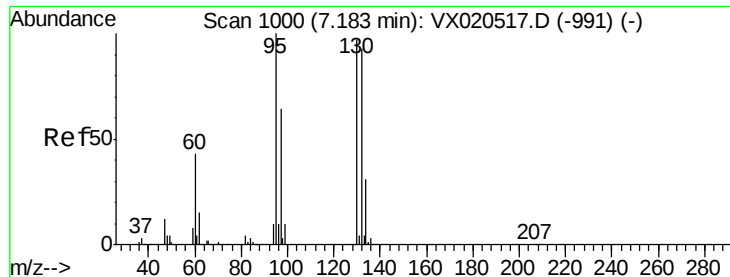
Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

Tgt Ion:117 Resp: 28785
Ion Ratio Lower Upper
117 100
119 95.4 77.5 116.3



#33
Benzene
Concen: 9.082 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39
Tgt Ion: 78 Resp: 86470

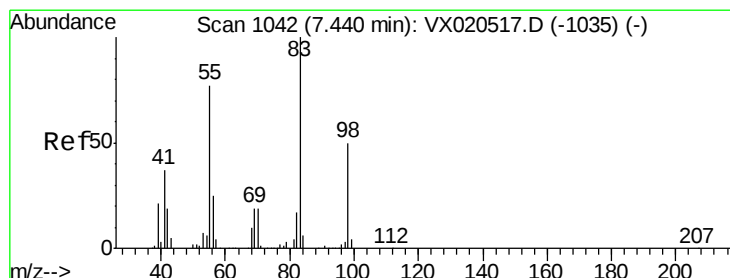
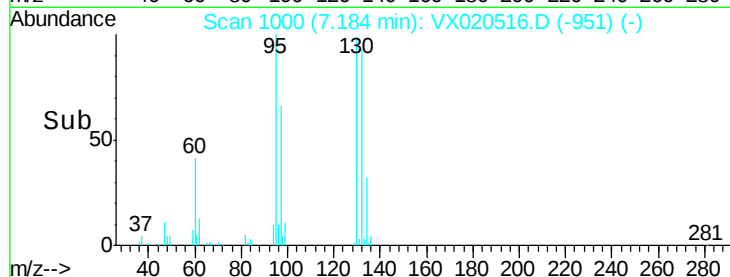
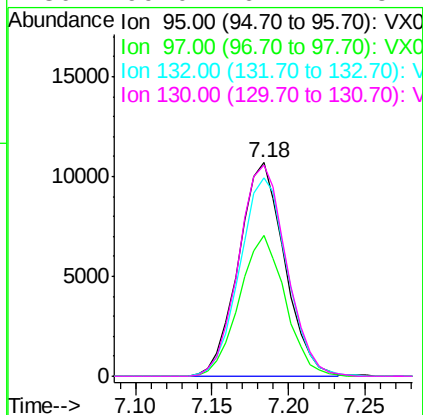
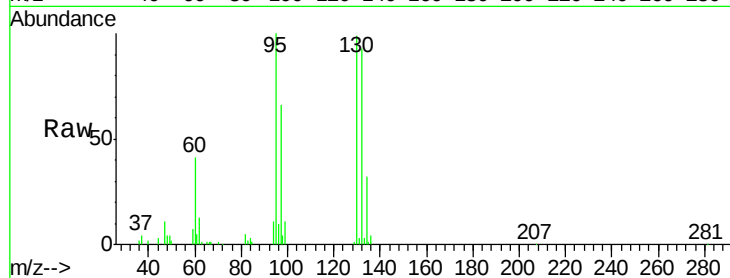




#34
 Trichloroethene
 Concen: 8.621 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

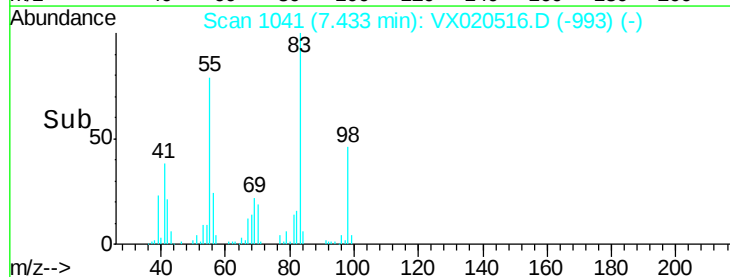
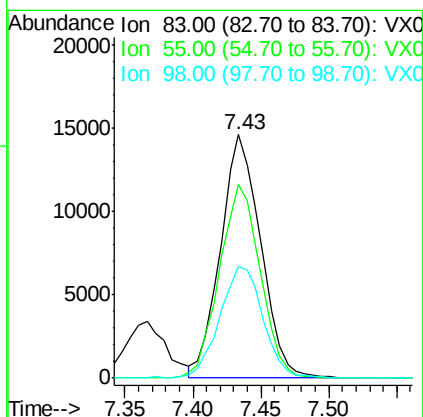
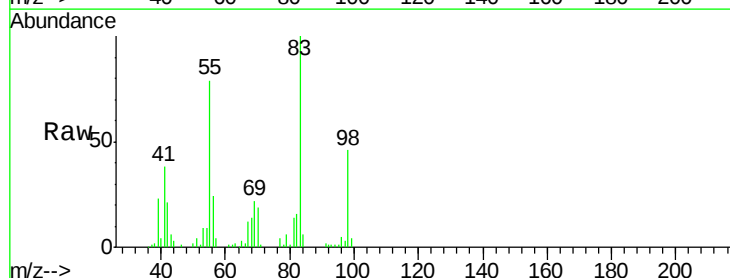
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

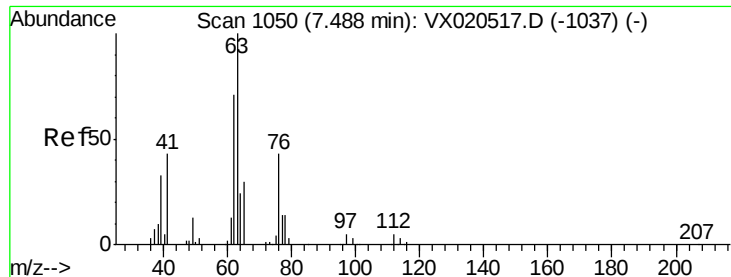
Tgt Ion: 95 Resp: 22437
 Ion Ratio Lower Upper
 95 100
 97 65.9 44.5 82.7
 132 93.0 65.2 121.0
 130 99.0 67.7 125.7



#35
 Methylcyclohexane
 Concen: 7.864 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

Tgt Ion: 83 Resp: 30028
 Ion Ratio Lower Upper
 83 100
 55 80.7 61.2 91.8
 98 49.3 38.7 58.1





#37

1,2-Dichloropropane

Concen: 8.829 ug/L

RT: 7.48 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

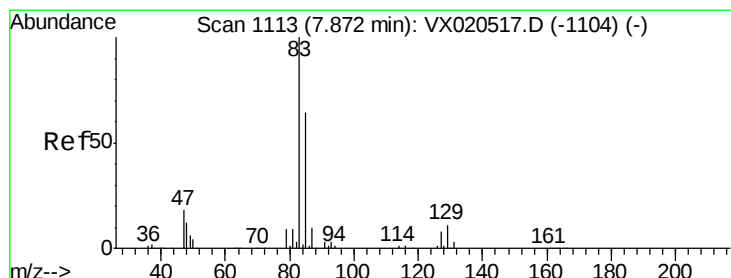
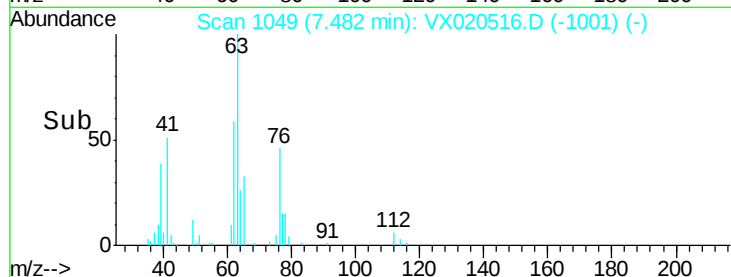
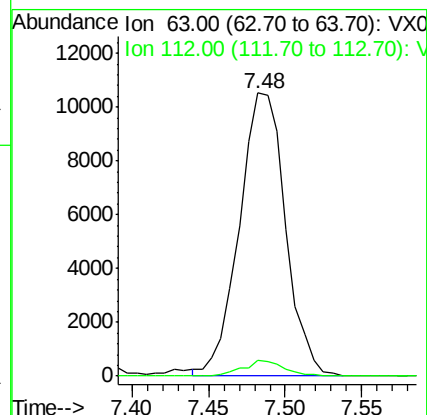
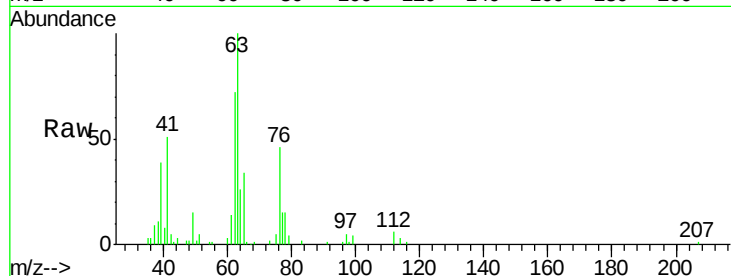
VSTD010404

Tgt Ion: 63 Resp: 22060

Ion Ratio Lower Upper

63 100

112 5.0 3.6 5.4



#38

Bromodichloromethane

Concen: 8.068 ug/L

RT: 7.87 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

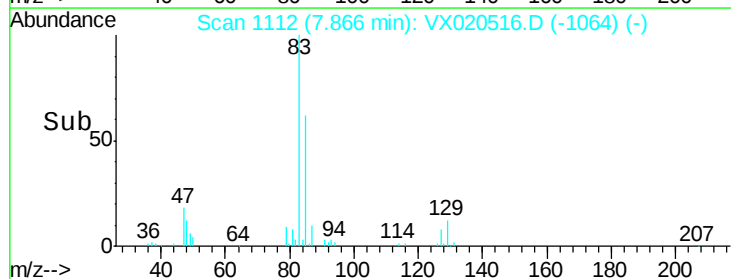
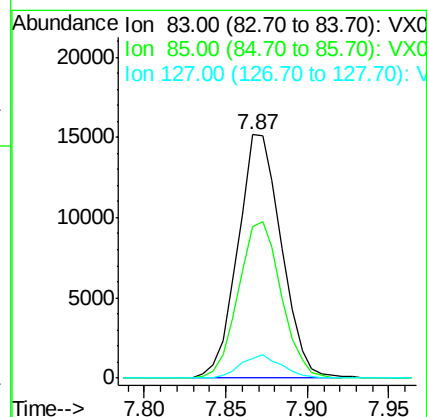
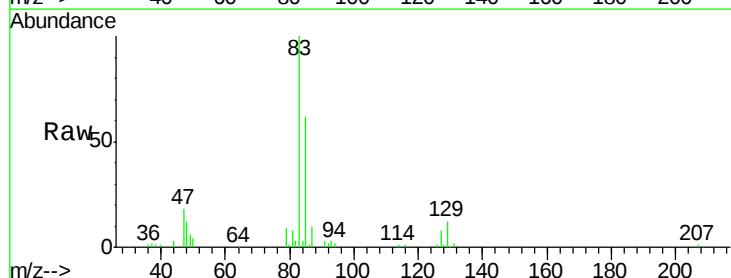
Tgt Ion: 83 Resp: 28201

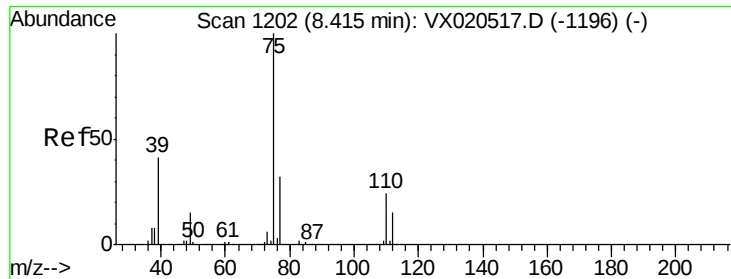
Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.7

127 8.0 6.6 10.0

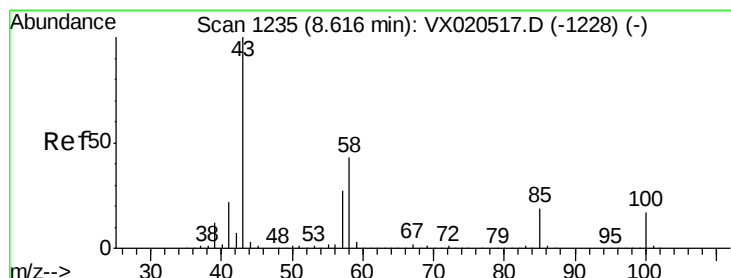
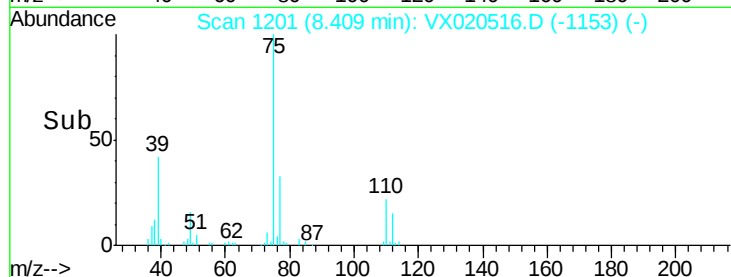
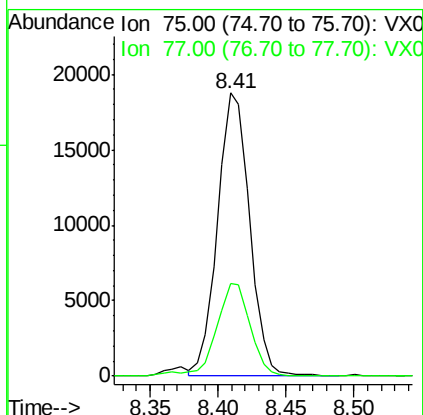
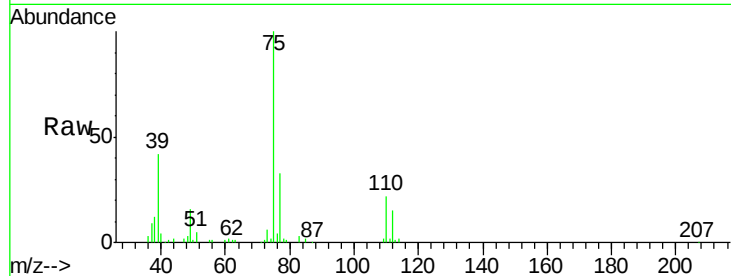




#39
 cis-1,3-Dichloropropene
 Concen: 7.764 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

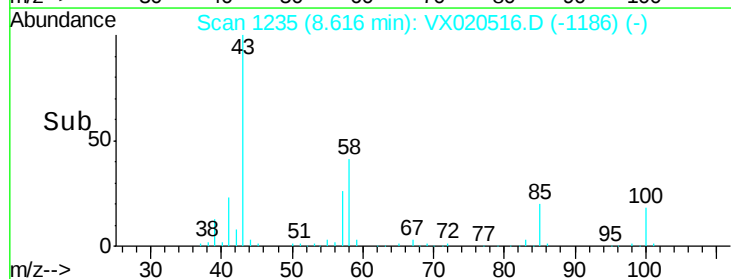
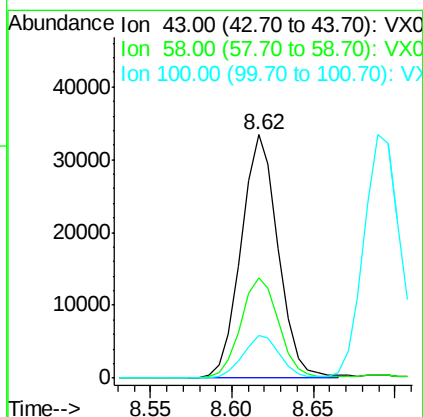
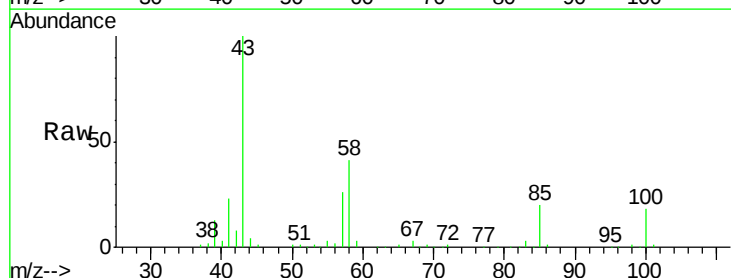
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

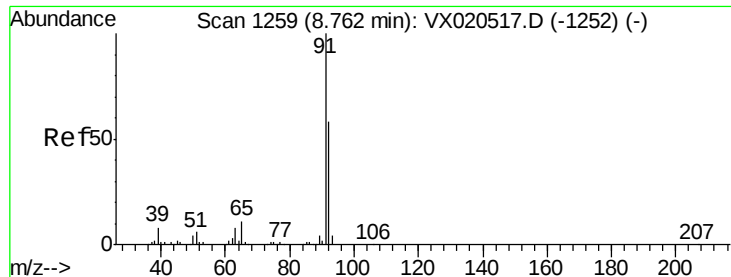
Tgt Ion: 75 Resp: 30862
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 16.015 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

Tgt Ion: 43 Resp: 53021
 Ion Ratio Lower Upper
 43 100
 58 42.2 35.0 52.4
 100 17.6 14.2 21.4





#42

Toluene

Concen: 8.941 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

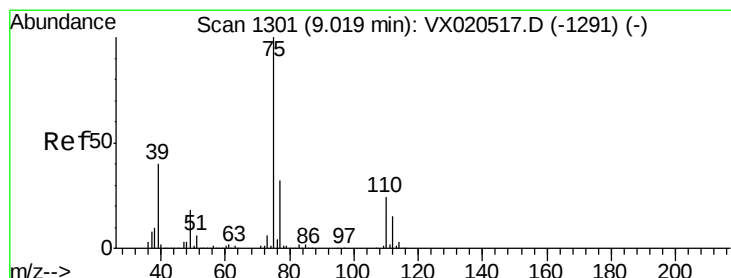
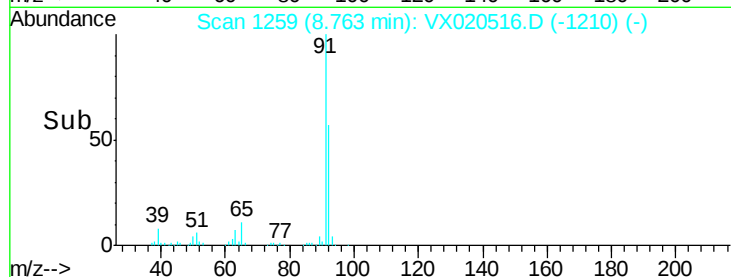
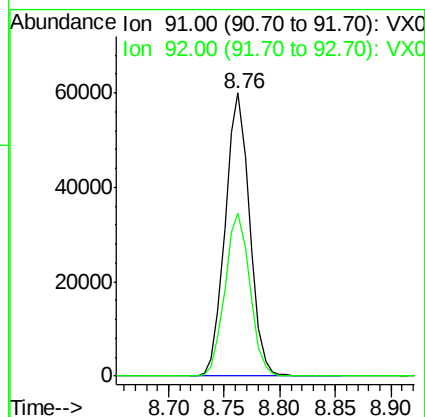
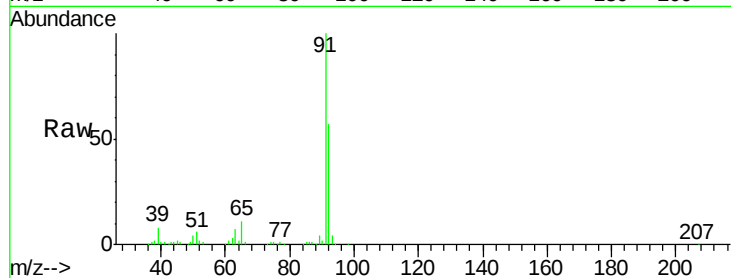
VSTD010404

Tgt Ion: 91 Resp: 91299

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 7.362 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020516.D

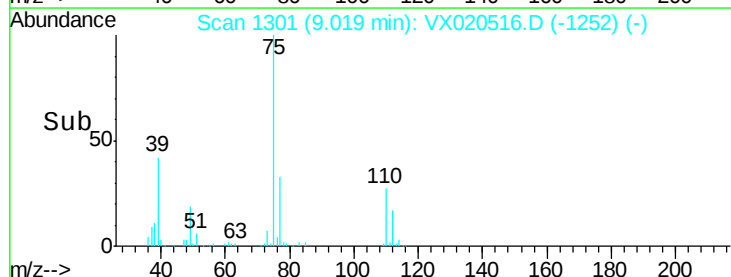
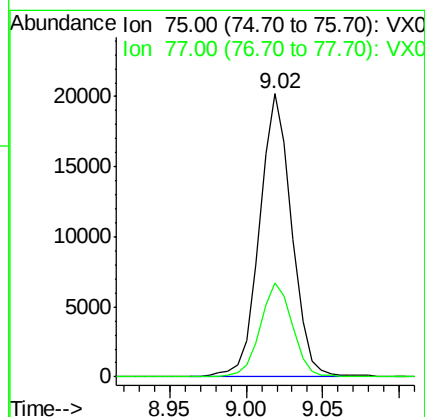
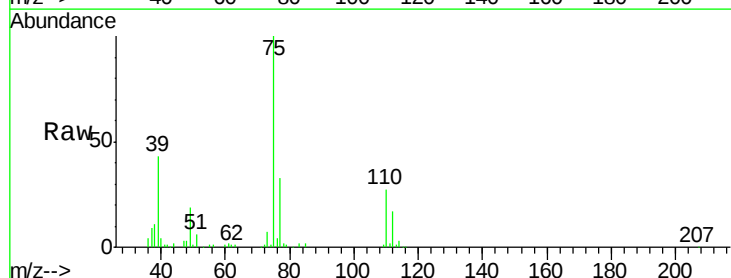
Acq: 06 Jan 2021 13:39

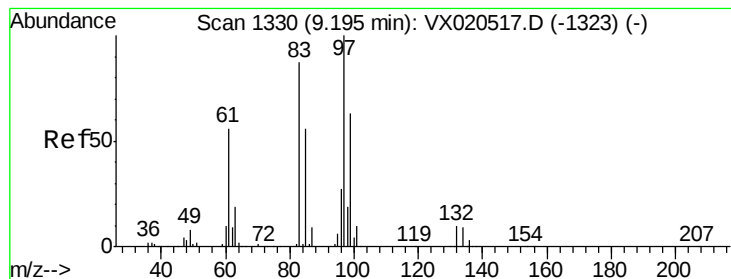
Tgt Ion: 75 Resp: 29628

Ion Ratio Lower Upper

75 100

77 33.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 9.545 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

Tgt Ion: 97 Resp: 22891

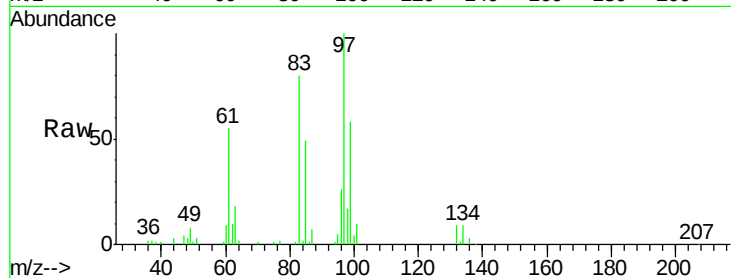
Ion Ratio Lower Upper

97 100

99 57.8 44.0 81.6

83 80.2 60.8 113.0

85 49.3 39.4 73.2



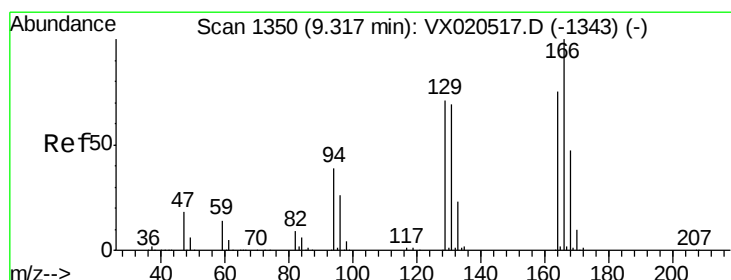
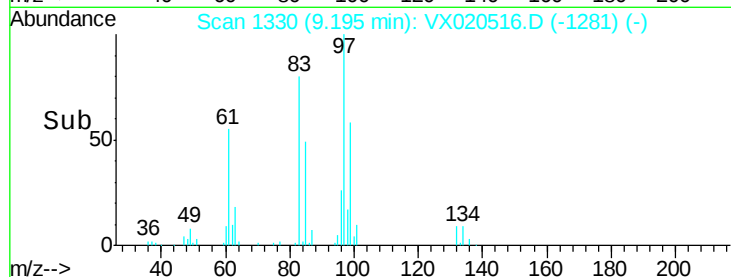
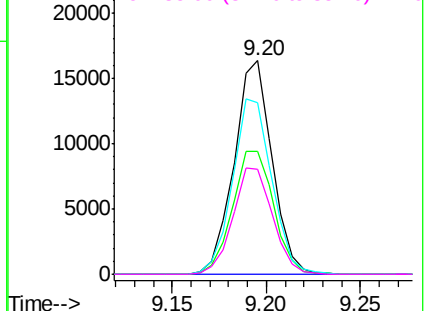
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46

Tetrachloroethene

Concen: 8.529 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Tgt Ion: 164 Resp: 17970

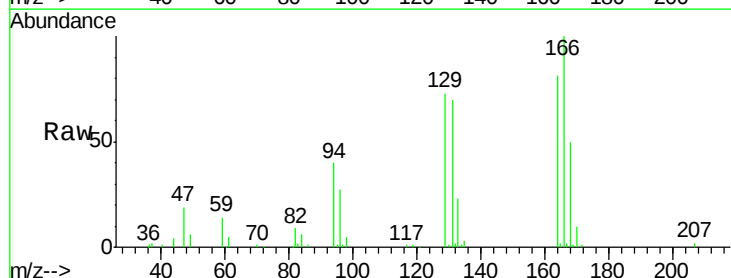
Ion Ratio Lower Upper

164 100

129 90.7 65.6 121.8

131 86.9 63.7 118.3

166 123.7 93.0 172.6



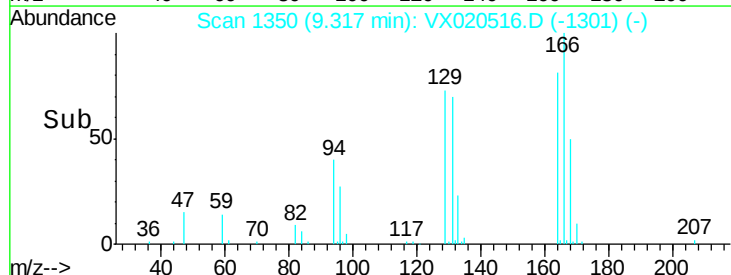
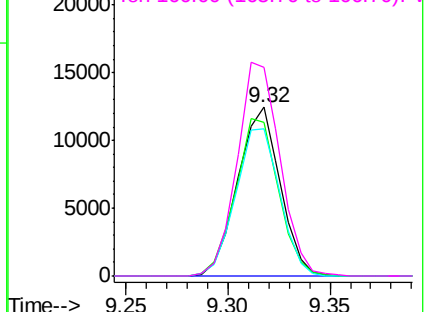
Abundance

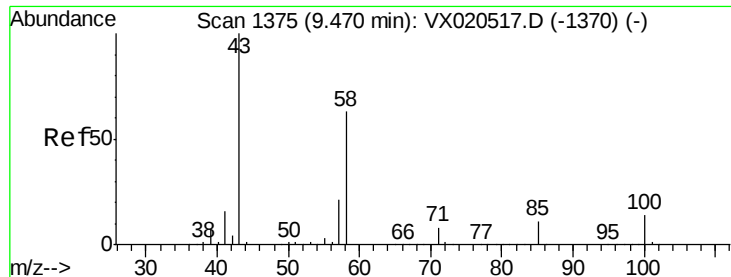
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

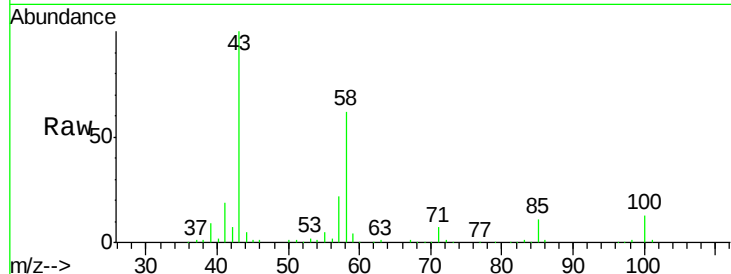




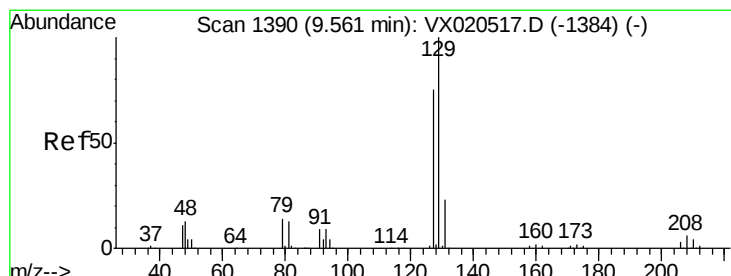
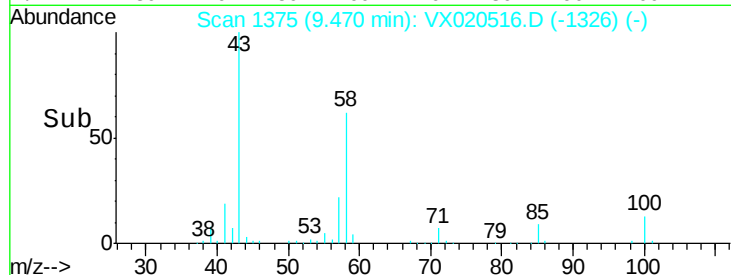
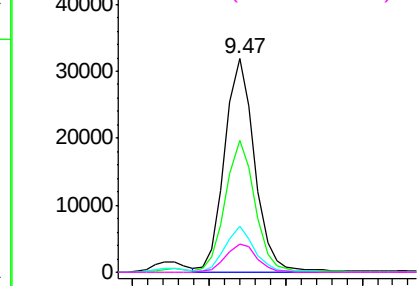
#48
2-Hexanone
Concen: 16.820 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

Tgt Ion: 43 Resp: 43606
Ion Ratio Lower Upper
43 100
58 60.8 50.1 75.1
57 20.8 17.3 25.9
100 13.6 11.4 17.2

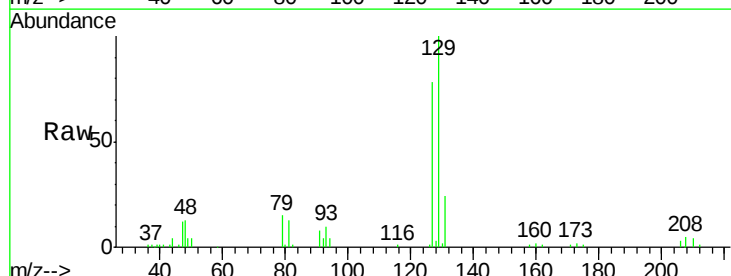


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

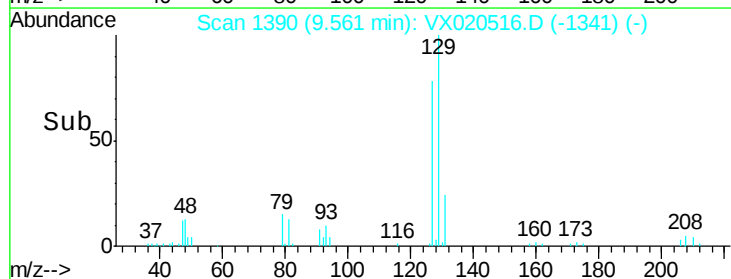
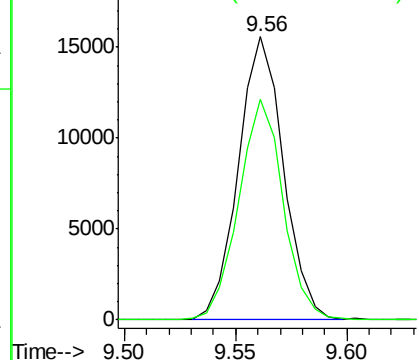


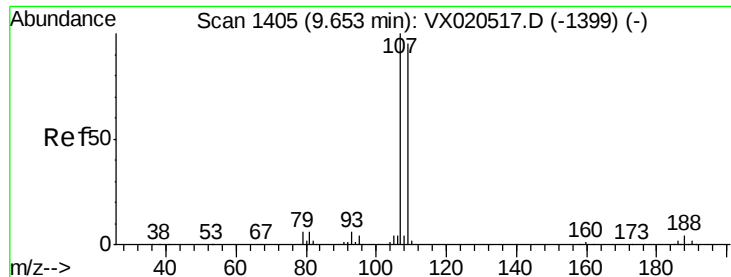
#49
Dibromochloromethane
Concen: 7.550 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

Tgt Ion: 129 Resp: 22012
Ion Ratio Lower Upper
129 100
127 77.9 52.5 97.5



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

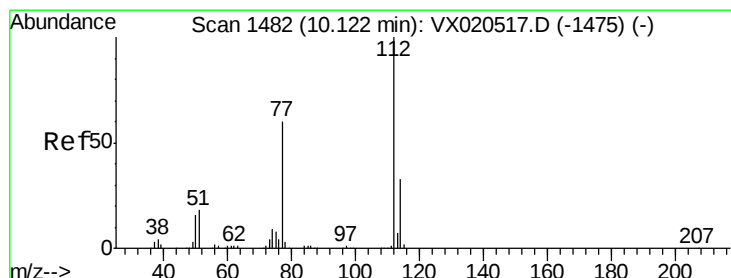
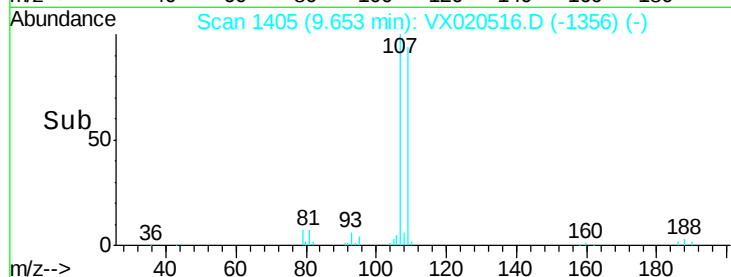
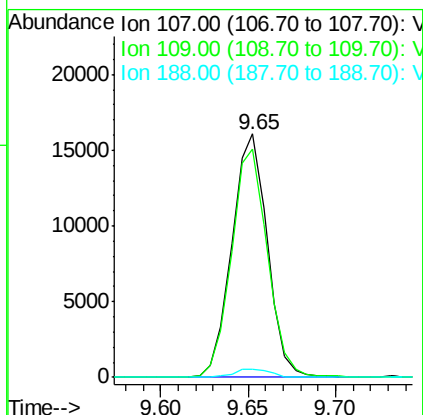
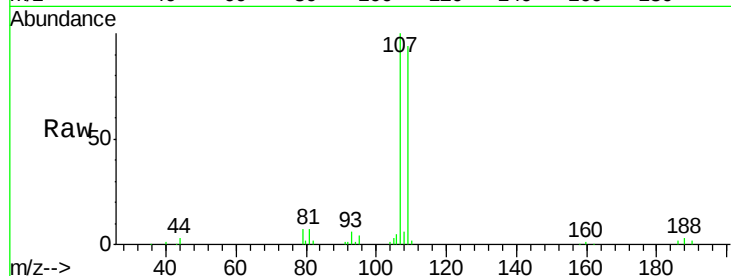




#50
1,2-Dibromoethane
Concen: 8.650 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

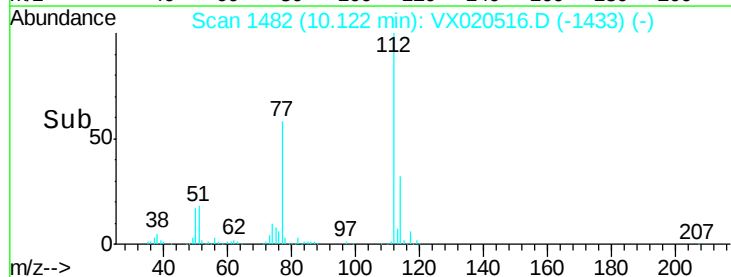
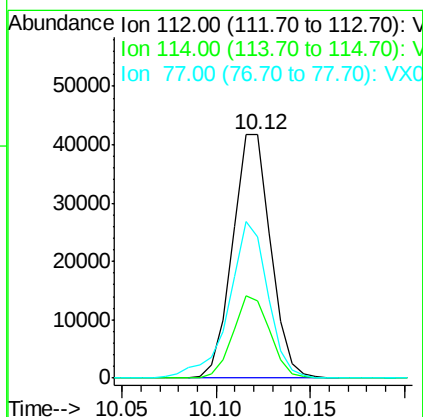
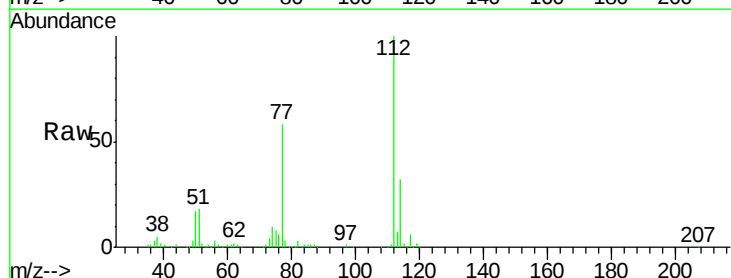
Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

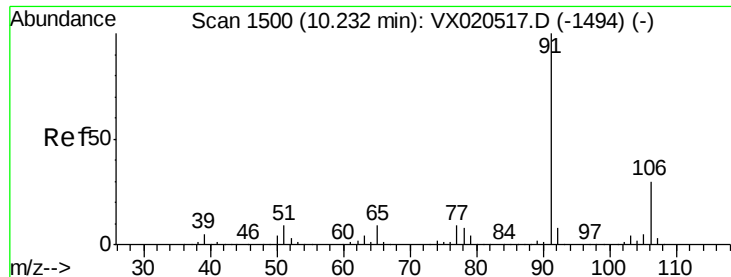
Tgt Ion:107 Resp: 22648
Ion Ratio Lower Upper
107 100
109 93.7 66.4 123.4
188 3.5 3.2 4.8



#51
Chlorobenzene
Concen: 8.696 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

Tgt Ion:112 Resp: 58533
Ion Ratio Lower Upper
112 100
114 31.8 23.2 43.2
77 58.1 48.4 72.6





#52

Ethylbenzene

Concen: 8.217 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

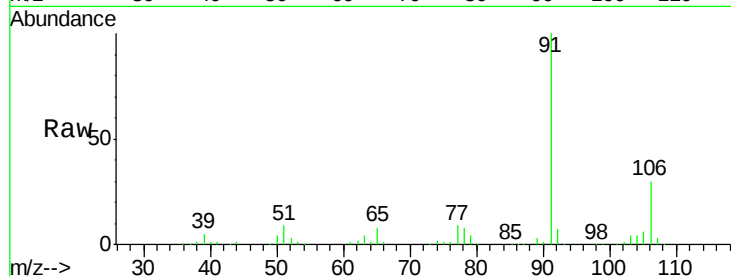
VSTD010404

Tgt Ion: 91 Resp: 92892

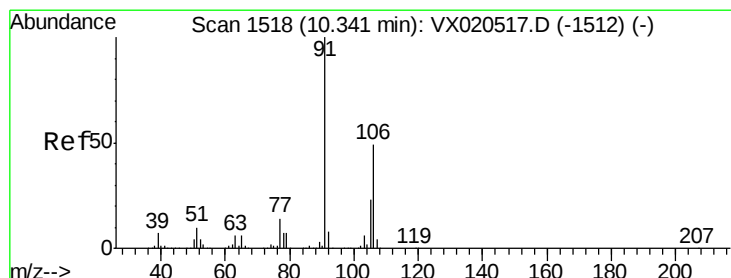
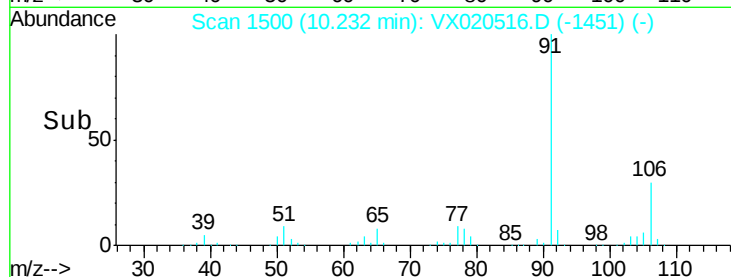
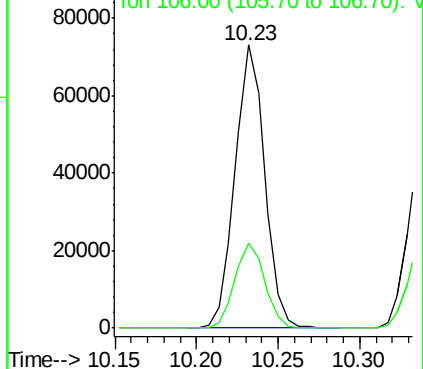
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX020516.D (-1451) (-)



#53

m,p-Xylene

Concen: 7.883 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020516.D

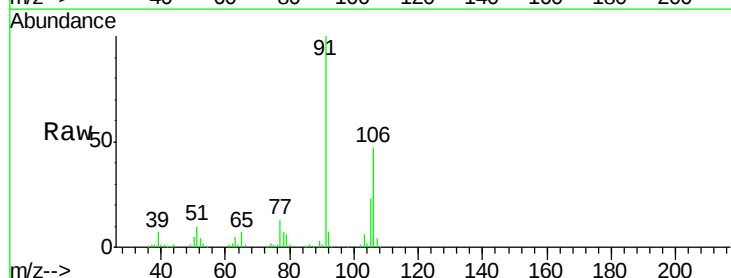
Acq: 06 Jan 2021 13:39

Tgt Ion: 106 Resp: 33645

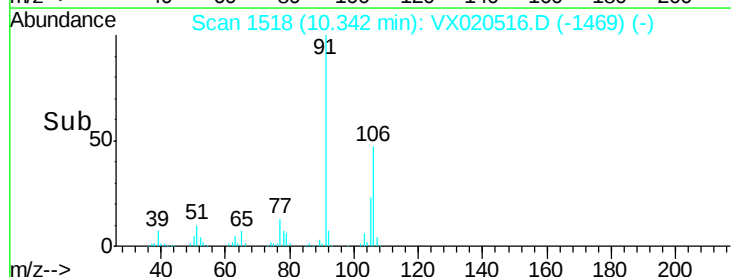
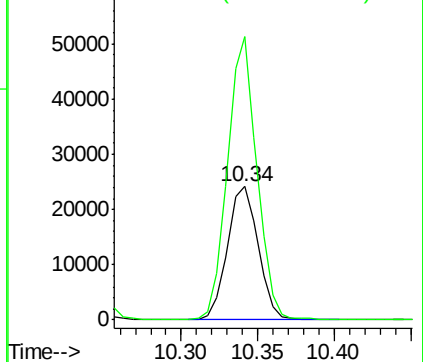
Ion Ratio Lower Upper

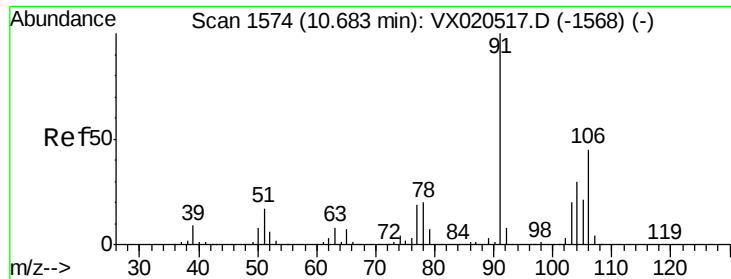
106 100

91 212.1 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): VX020516.D (-1469) (-)

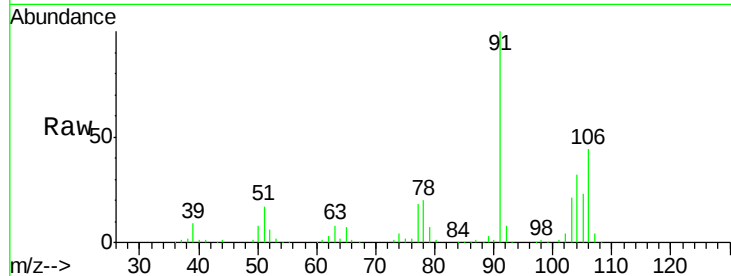




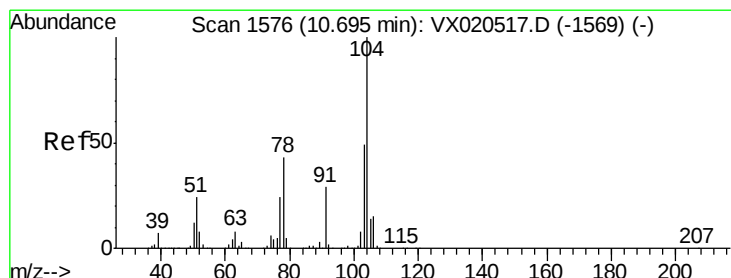
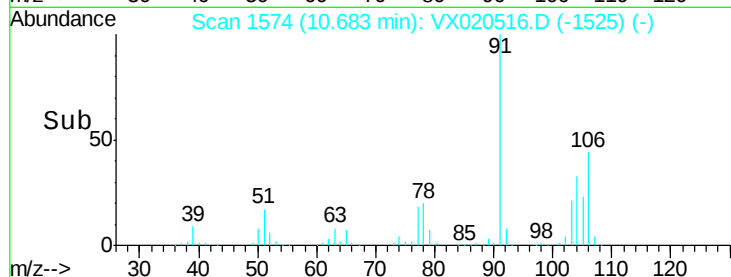
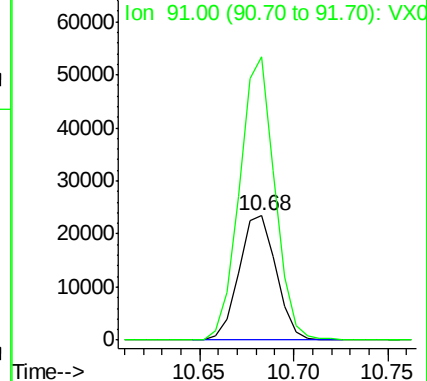
#54
o-Xylene
Concen: 7.821 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

Tgt Ion:106 Resp: 32024
Ion Ratio Lower Upper
106 100
91 227.1 156.2 290.0

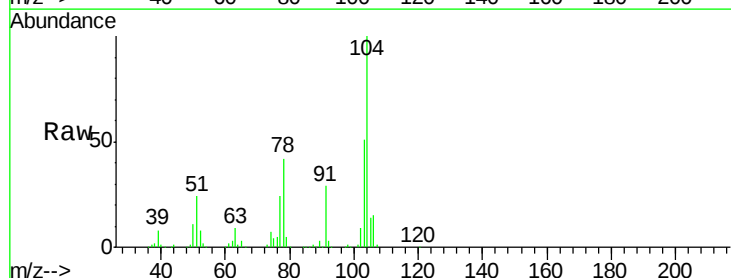


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

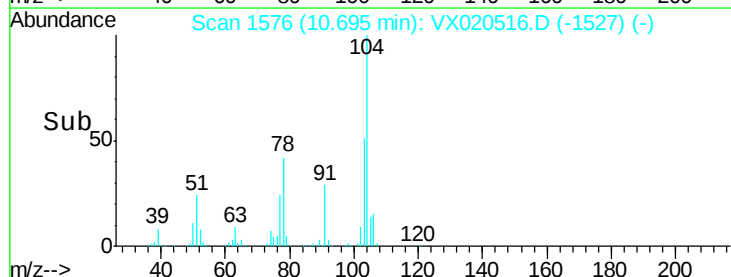
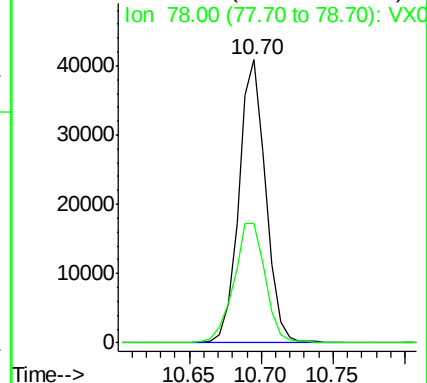


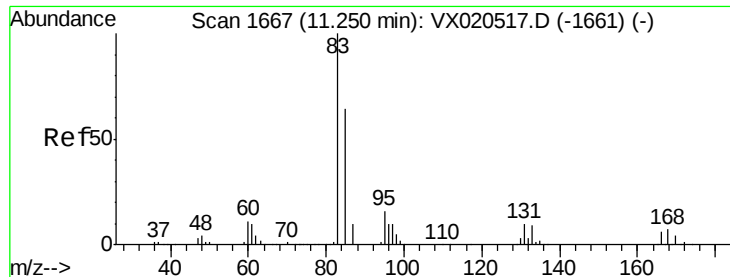
#55
Styrene
Concen: 7.506 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020516.D
Acq: 06 Jan 2021 13:39

Tgt Ion:104 Resp: 53122
Ion Ratio Lower Upper
104 100
78 42.3 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 9.028 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

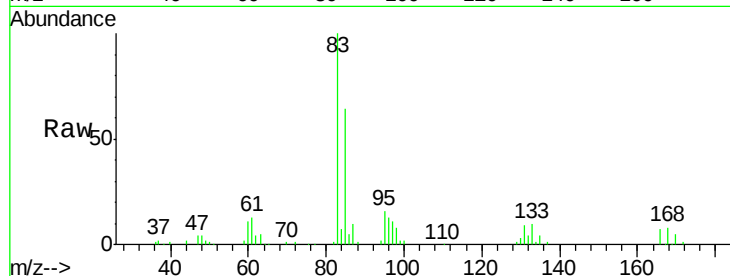
Tgt Ion: 83 Resp: 33620

Ion Ratio Lower Upper

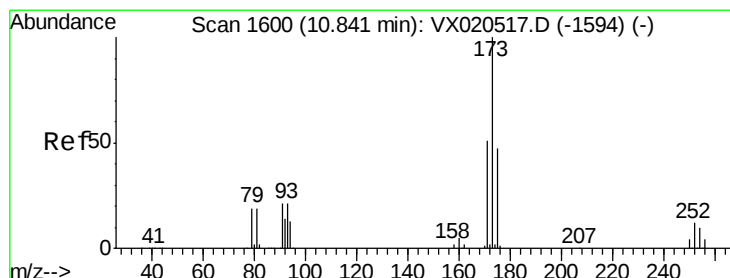
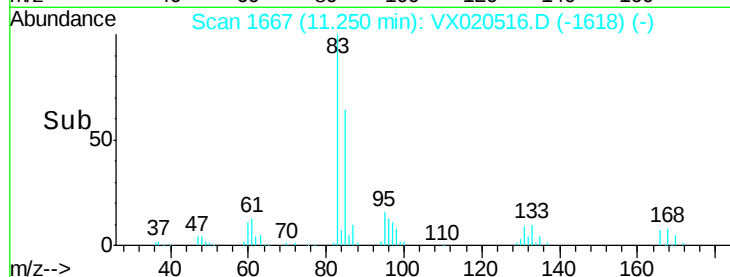
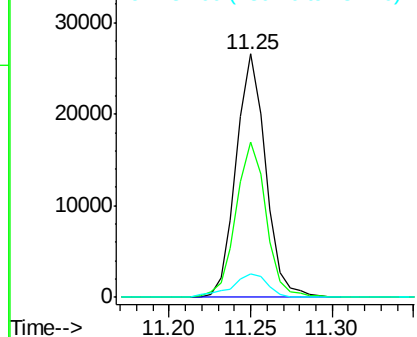
83 100

85 63.9 44.7 82.9

131 9.4 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 7.766 ug/L

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

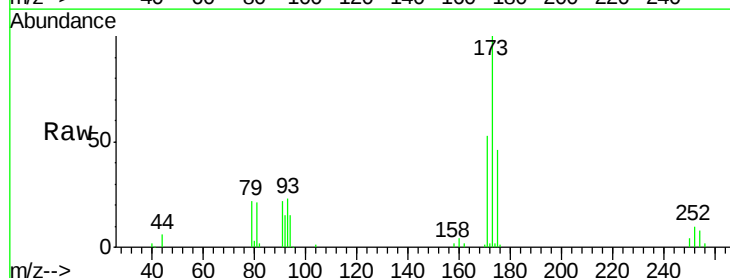
Tgt Ion: 173 Resp: 14980

Ion Ratio Lower Upper

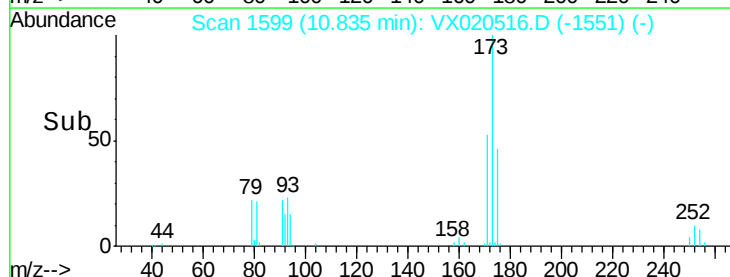
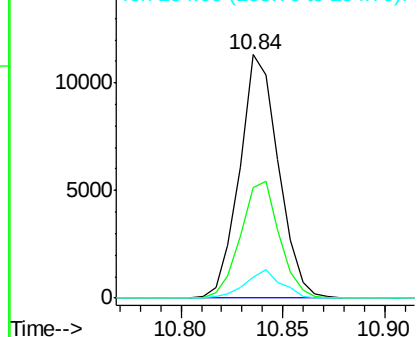
173 100

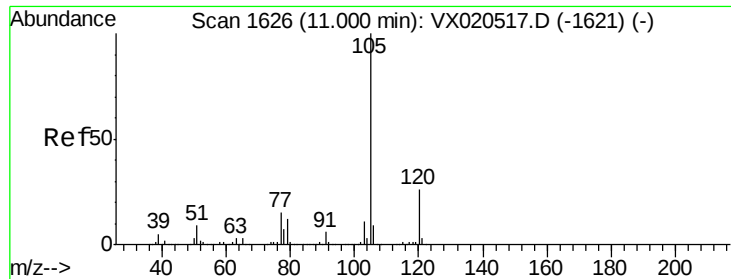
175 48.0 39.4 59.2

254 10.8 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 8.506 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

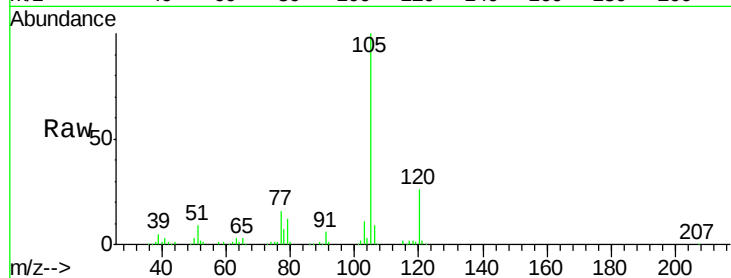
Tgt Ion: 105 Resp: 82524

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

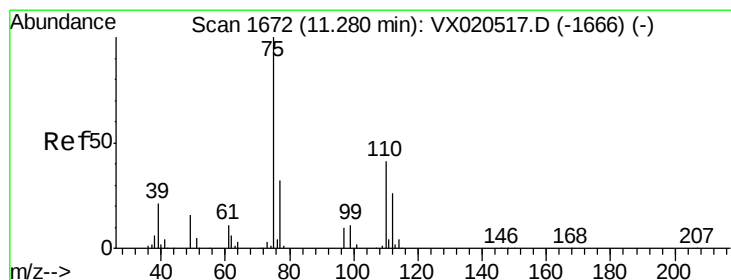
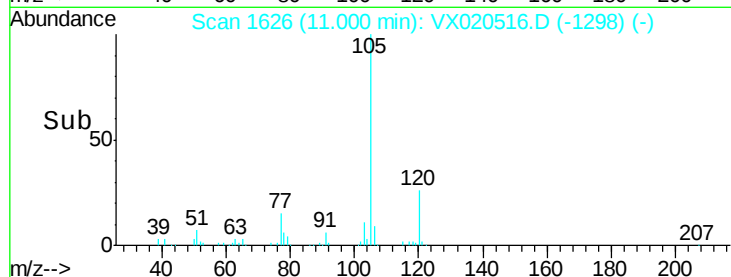
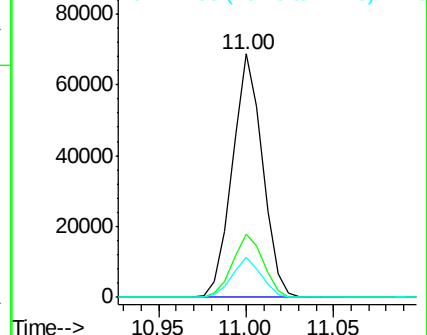
77 16.0 12.6 18.8



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: 10.003 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

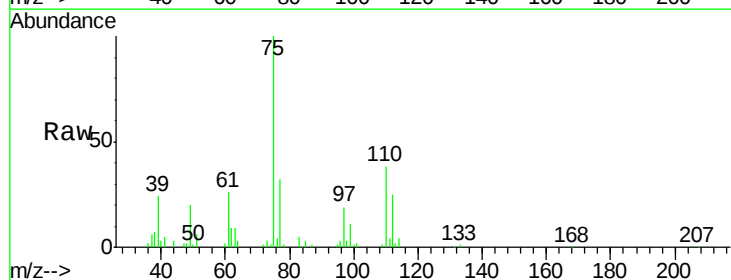
Tgt Ion: 75 Resp: 27923

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

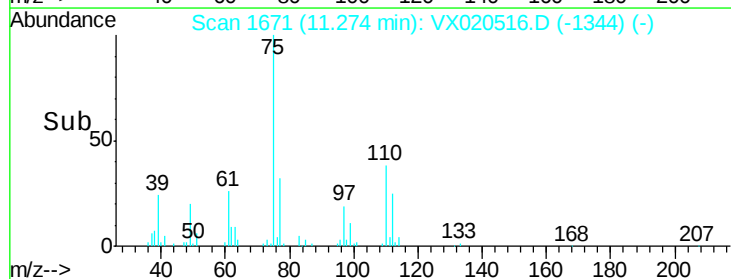
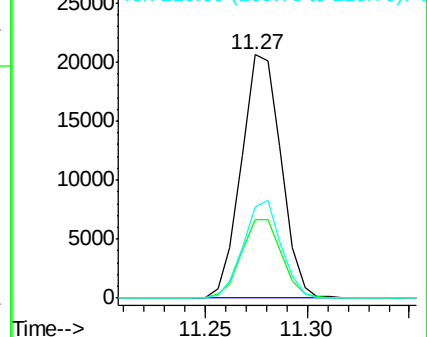
110 38.2 31.8 47.8

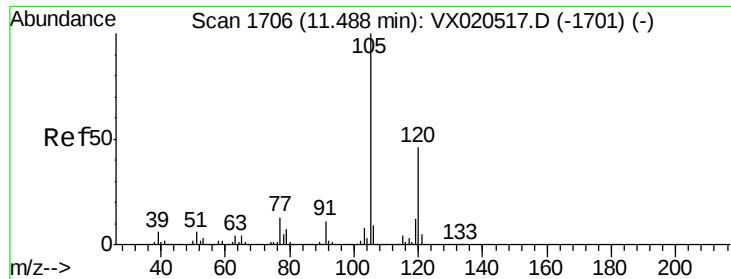


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

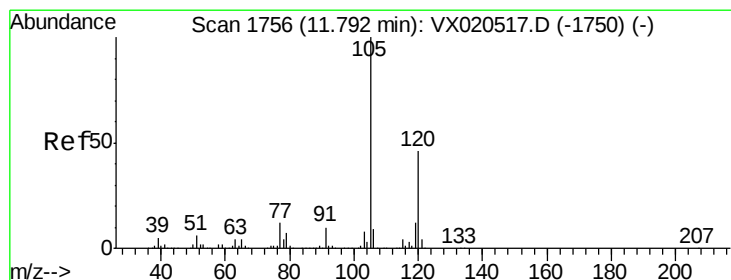
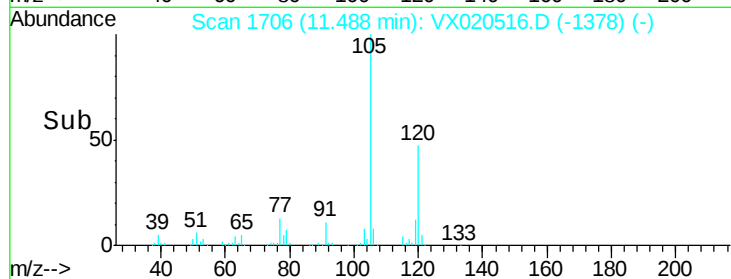
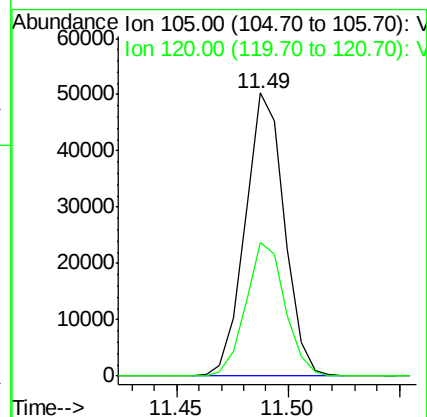
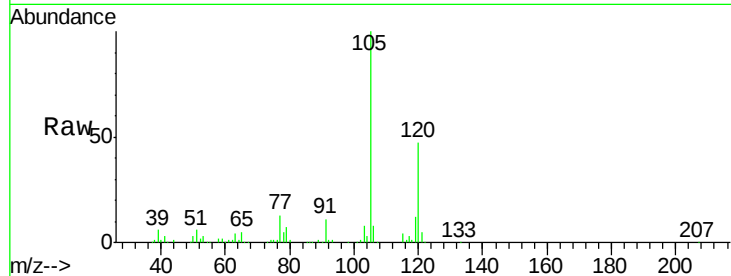




#62
 1,3,5-Trimethylbenzene
 Concen: 7.692 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

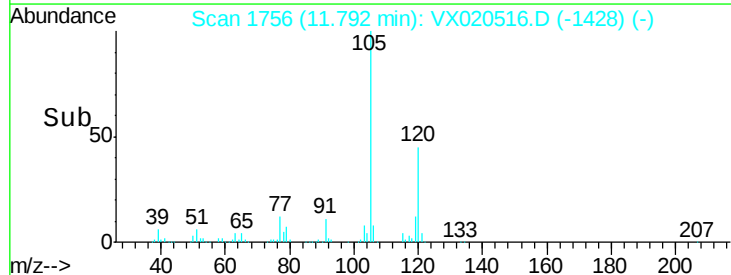
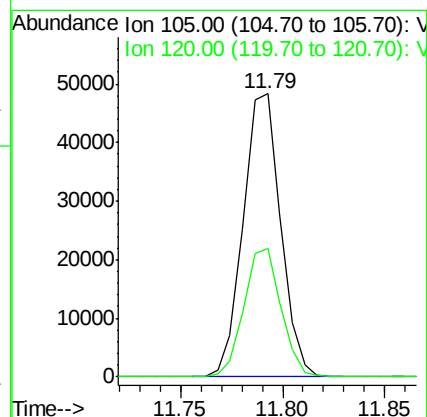
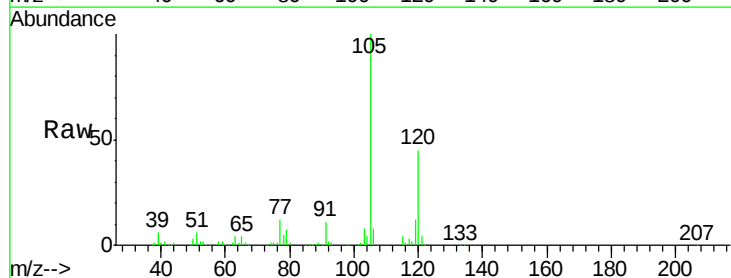
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

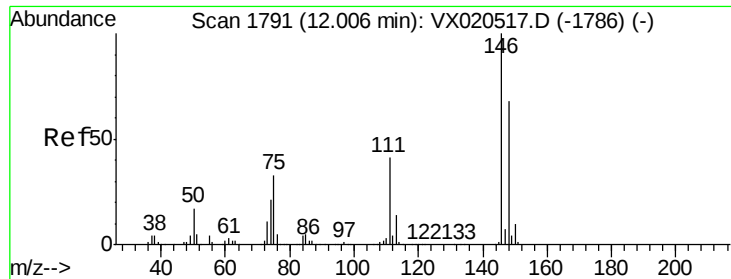
Tgt Ion:105 Resp: 61847
 Ion Ratio Lower Upper
 105 100
 120 47.3 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 7.595 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

Tgt Ion:105 Resp: 61788
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 8.433 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

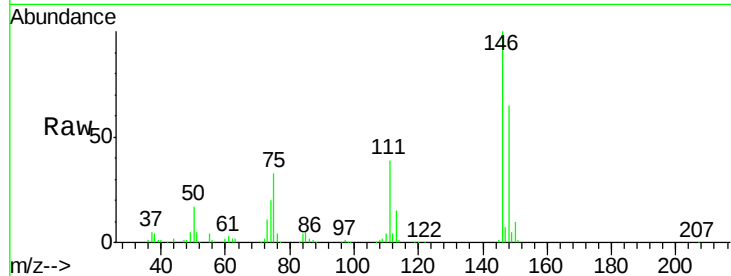
Tgt Ion:146 Resp: 39845

Ion Ratio Lower Upper

146 100

111 39.5 28.9 53.7

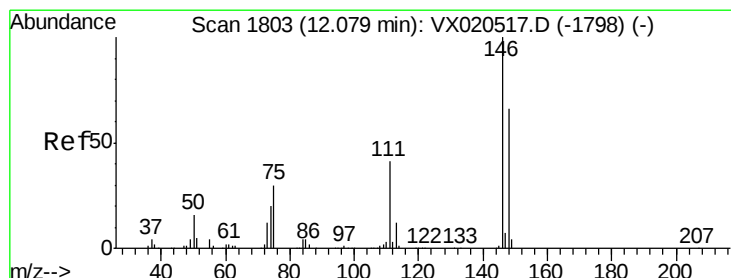
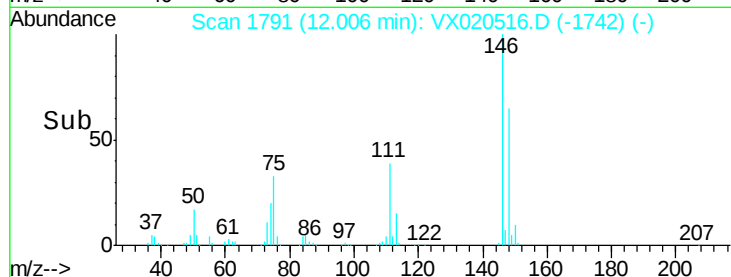
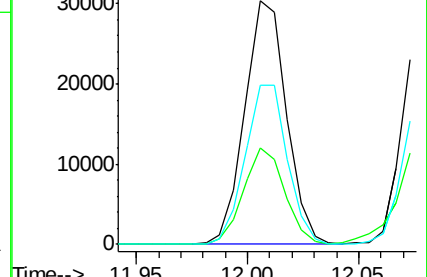
148 65.2 47.7 88.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 8.518 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

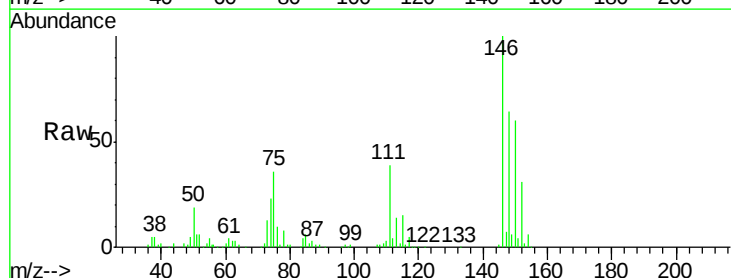
Tgt Ion:146 Resp: 40641

Ion Ratio Lower Upper

146 100

111 38.8 28.7 53.3

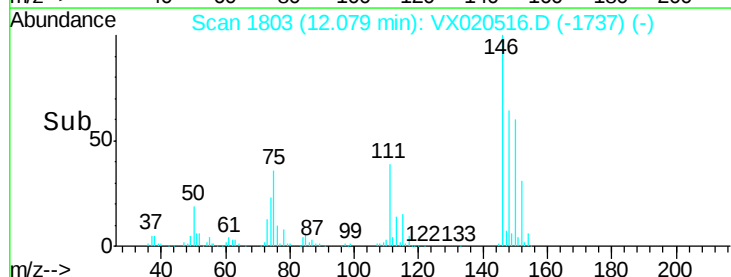
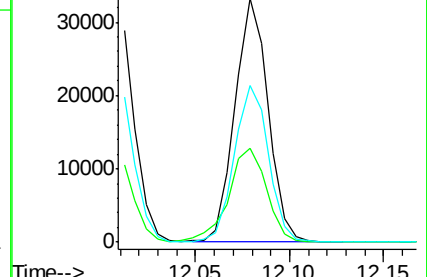
148 64.4 45.8 85.2

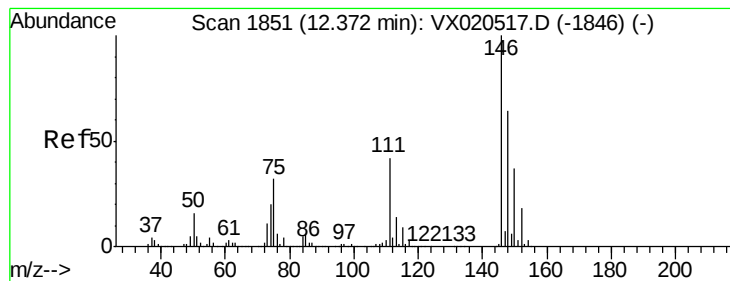


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 8.833 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

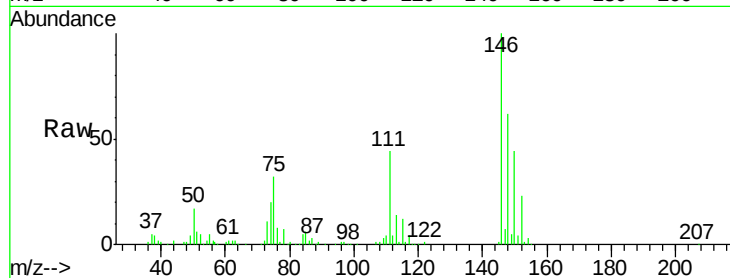
Tgt Ion: 146 Resp: 40647

Ion Ratio Lower Upper

146 100

111 44.0 33.8 50.8

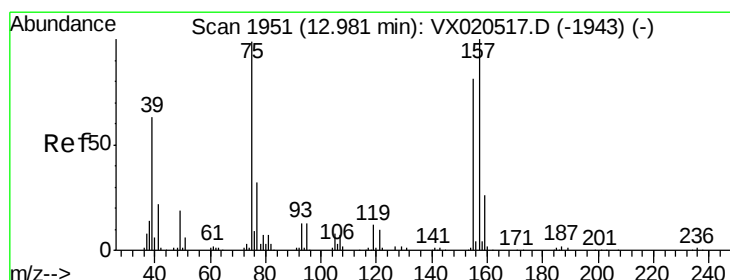
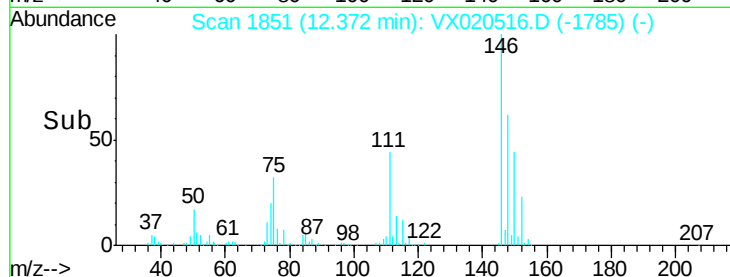
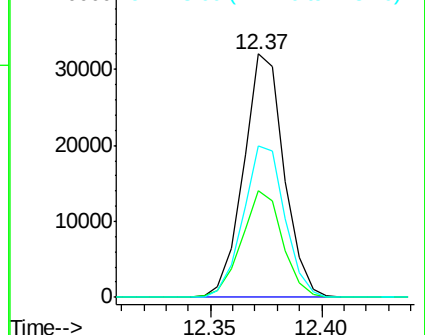
148 62.2 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): 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: 8.337 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

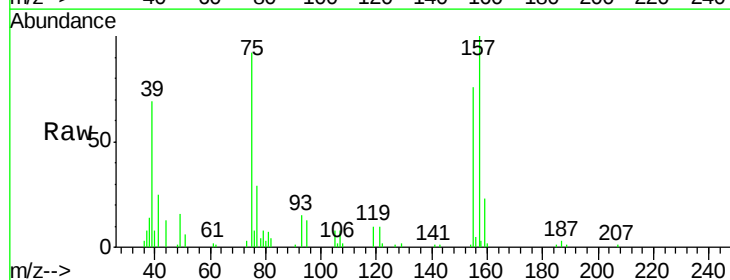
Tgt Ion: 75 Resp: 6666

Ion Ratio Lower Upper

75 100

155 82.2 65.3 97.9

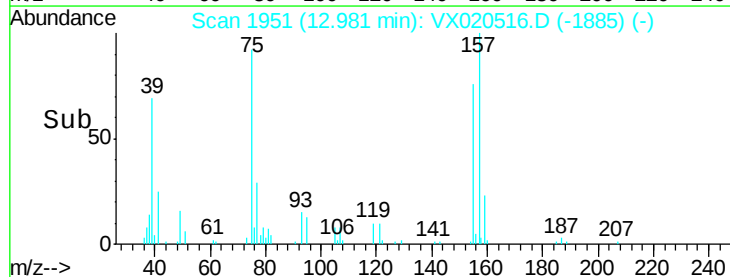
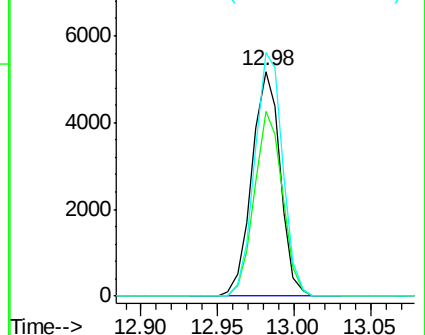
157 108.5 80.5 120.7

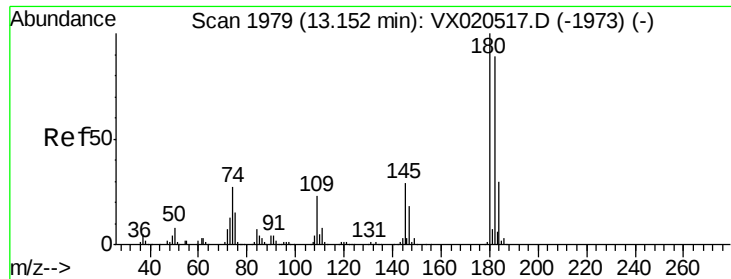


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

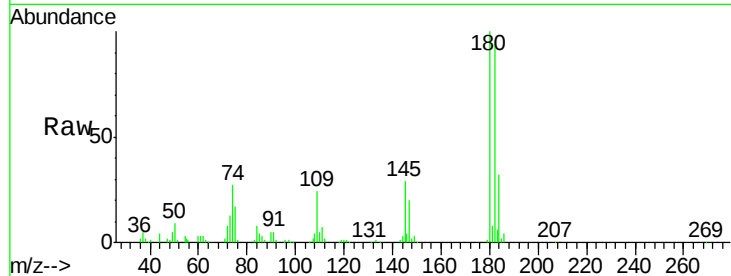




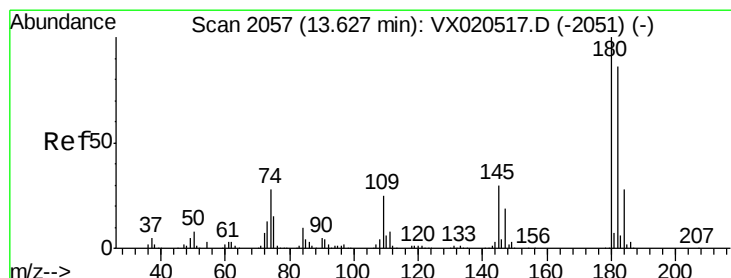
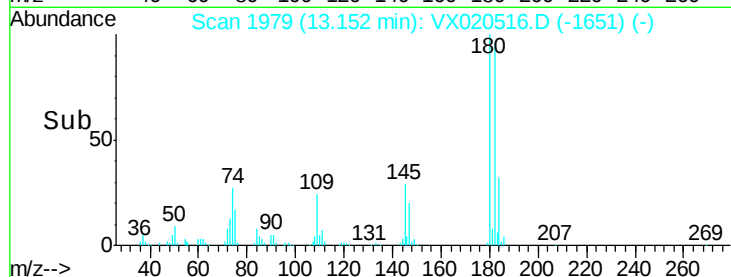
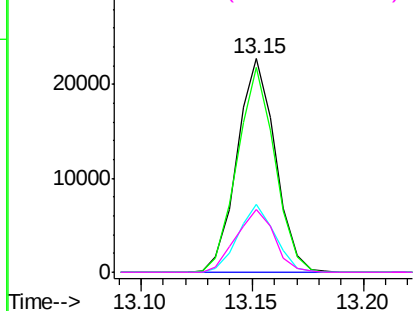
#69
 1,3,5-Trichlorobenzene
 Concen: 8.494 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

Tgt Ion:180 Resp: 27207
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.8 112.2
 184 30.6 24.1 36.1
 145 29.4 23.7 35.5

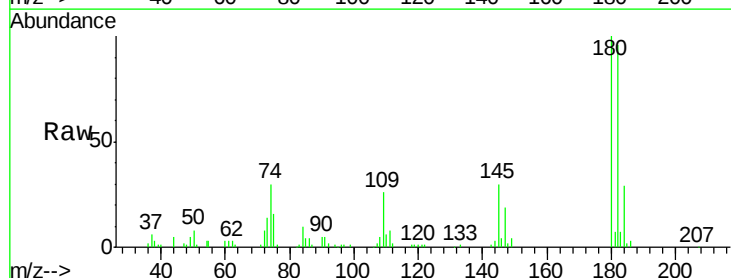


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

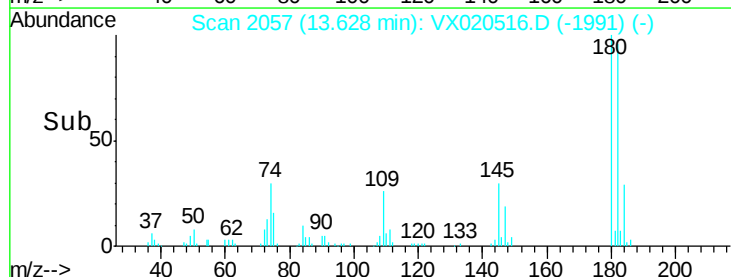
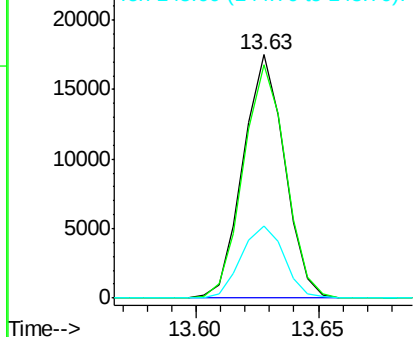


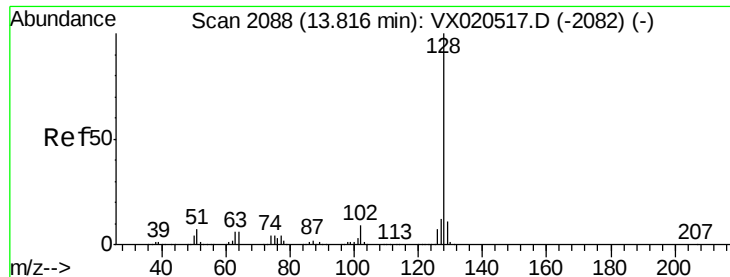
#70
 1,2,4-trichlorobenzene
 Concen: 7.181 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020516.D
 Acq: 06 Jan 2021 13:39

Tgt Ion:180 Resp: 20806
 Ion Ratio Lower Upper
 180 100
 182 97.7 74.3 111.5
 145 30.6 24.1 36.1



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





#71

Naphthalene

Concen: 6.632 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

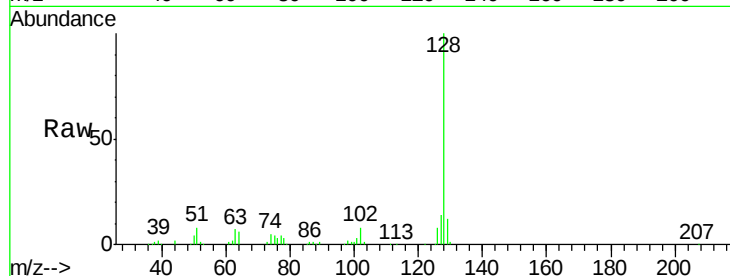
Tgt Ion:128 Resp: 60764

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

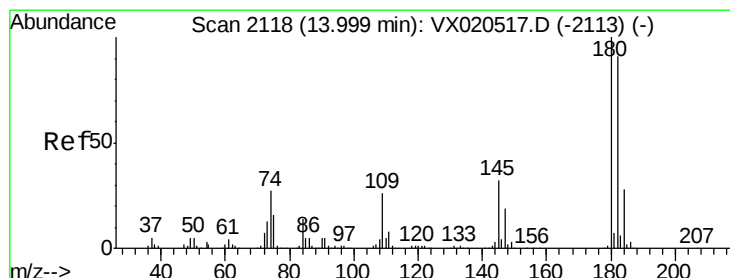
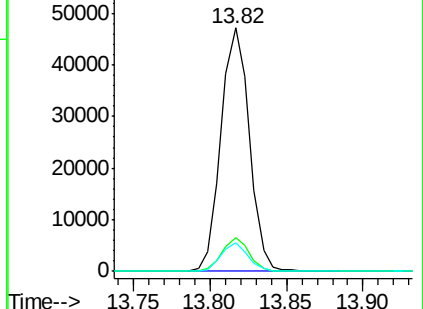
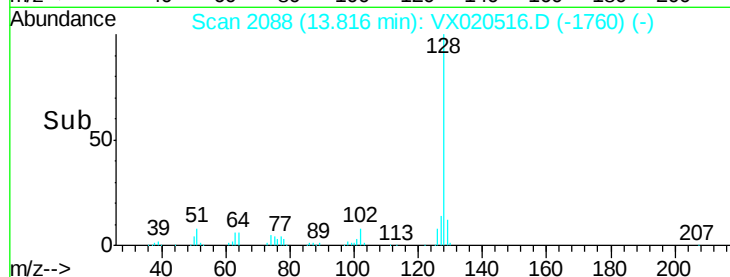
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 7.776 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX020516.D

Acq: 06 Jan 2021 13:39

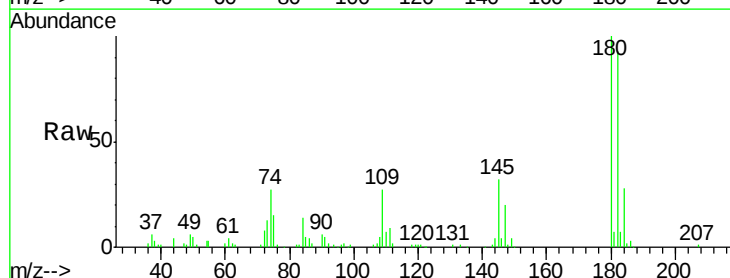
Tgt Ion:180 Resp: 22550

Ion Ratio Lower Upper

180 100

182 94.4 74.6 112.0

145 32.1 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

