

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010521\
 Data File : VX020501.D
 Acq On : 05 Jan 2021 16:31
 Operator : JC/MD
 Sample : VSTD00163
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

Quant Time: Jan 06 04:38:34 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	155789	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	153977	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	74005	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	12382	1.18	ug/L	0.00
7) Chloroethane-d5	1.70	69	10995	1.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	22758	1.10	ug/L	0.00
20) 2-Butanone-d5	4.55	46	25733	11.31	ug/L	0.02
24) Chloroform-d	5.14	84	23761	1.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	11940	1.08	ug/L	0.00
32) Benzene-d6	6.04	84	46667	1.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	14198	1.14	ug/L	0.00
41) Toluene-d8	8.70	98	40166	0.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	4552	0.89	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	19018	8.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	9989	1.07	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	13406	0.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	14477	1.061	ug/L 99
3) Chloromethane	1.31	50	13544	1.155	ug/L 96
5) Vinyl chloride	1.39	62	14830	1.129	ug/L 99
6) Bromomethane	1.64	94	7879	0.960	ug/L 95
8) Chloroethane	1.72	64	8989	1.133	ug/L 97
9) Trichlorofluoromethane	1.92	101	18696	1.006	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	10343	0.981	ug/L 97
12) 1,1-Dichloroethene	2.36	96	10243	0.998	ug/L 92
13) Acetone	2.43	43	14990	11.362	ug/L 100
14) Carbon disulfide	2.55	76	33886	1.044	ug/L 96
15) Methyl Acetate	2.75	43	3969	1.133	ug/L 97
16) Methylene chloride	2.84	84	12409	1.003	ug/L 94
17) Methyl tert-butyl Ether	3.17	73	22148	0.917	ug/L 98
18) trans-1,2-Dichloroethene	3.14	96	10963	1.006	ug/L 98
19) 1,1-Dichloroethane	3.67	63	20622	1.097	ug/L 96
21) 2-Butanone	4.65	43	24263	10.611	ug/L 98
22) cis-1,2-Dichloroethene	4.56	96	11731	1.010	ug/L 98
23) Bromochloromethane	4.98	128	5714	1.176	ug/L 92
25) Chloroform	5.18	83	22307	1.135	ug/L 98
27) 1,2-Dichloroethane	6.15	62	12580	1.041	ug/L 97
29) 1,1,1-Trichloroethane	5.46	97	18442	0.959	ug/L 98
30) Cyclohexane	5.55	56	15504	0.816	ug/L 100
31) Carbon tetrachloride	5.75	117	15300	0.928	ug/L 95
33) Benzene	6.11	78	46256	0.974	ug/L 100
34) Trichloroethene	7.18	95	12040	0.948	ug/L 96
35) Methylcyclohexane	7.44	83	15259	0.747	ug/L 100
37) 1,2-Dichloropropane	7.49	63	11705	1.043	ug/L 98
38) Bromodichloromethane	7.87	83	14230	0.988	ug/L 96
39) cis-1,3-Dichloropropene	8.42	75	14419	0.863	ug/L 98
40) 4-Methyl-2-pentanone	8.62	43	51839	8.786	ug/L 97

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 Response via : Initial Calibration

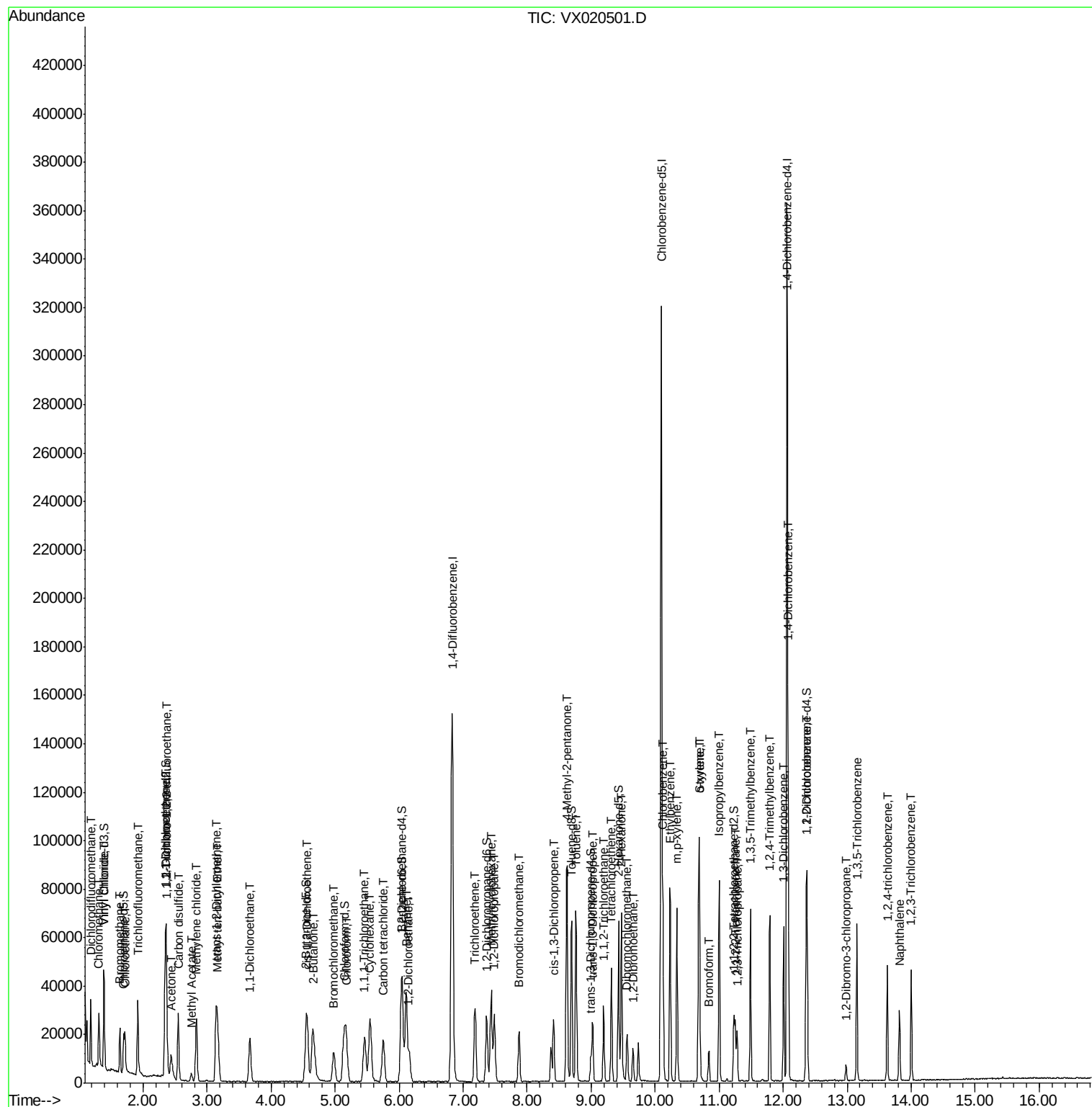
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	46628	0.917	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	11992	0.853	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	8447	1.043	ug/L	98
47) Tetrachloroethene	9.32	164	9471	0.956	ug/L	98
48) 2-Hexanone	9.47	43	35959	8.641	ug/L	98
49) Dibromochloromethane	9.56	129	8636	0.923	ug/L	100
50) 1,2-Dibromoethane	9.65	107	7498	0.997	ug/L	96
51) Chlorobenzene	10.12	112	30840	0.967	ug/L	98
52) Ethylbenzene	10.23	91	45947	0.823	ug/L	99
53) m,p-xylene	10.34	106	17147	0.799	ug/L	92
54) o-xylene	10.68	106	16355	0.800	ug/L	99
55) Styrene	10.70	104	26018	0.769	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	9078	0.987	ug/L	90
59) Bromoform	10.84	173	4660	0.960	ug/L	98
60) Isopropylbenzene	11.00	105	42633	0.794	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	7001	1.056	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	31164	0.700	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	29996	0.664	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	21836	0.905	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	22282	0.918	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	20415	0.920	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	1406	0.943	ug/L	87
69) 1,3,5-Trichlorobenzene	13.15	180	16069	0.909	ug/L	95
70) 1,2,4-trichlorobenzene	13.63	180	11869	0.775	ug/L	96
71) Naphthalene	13.82	128	17258	0.643	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	10860	0.796	ug/L	96

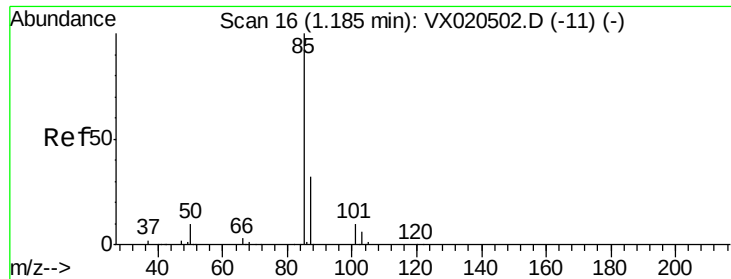
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.061 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

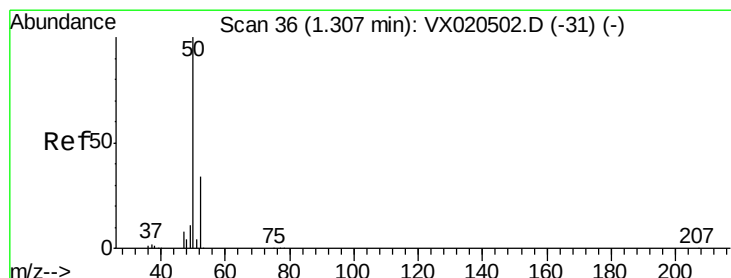
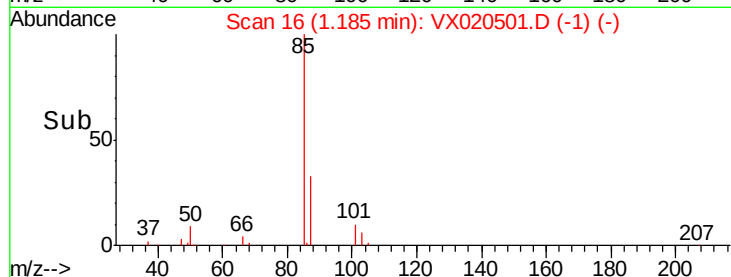
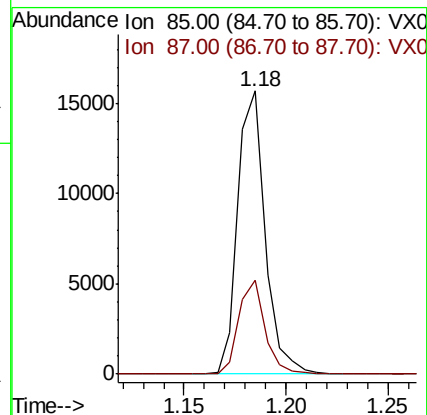
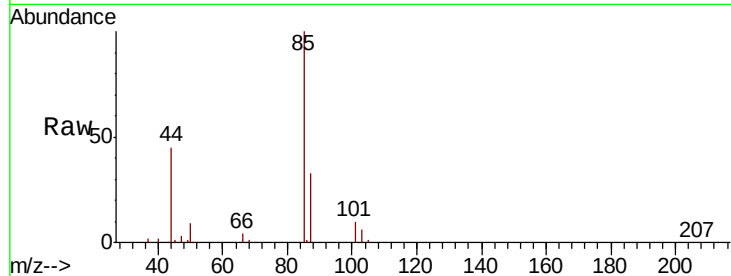
VSTD001303

Tot Ion: 85 Resp: 14477

Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.8



#3

Chloromethane

Concen: 1.155 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX020501.D

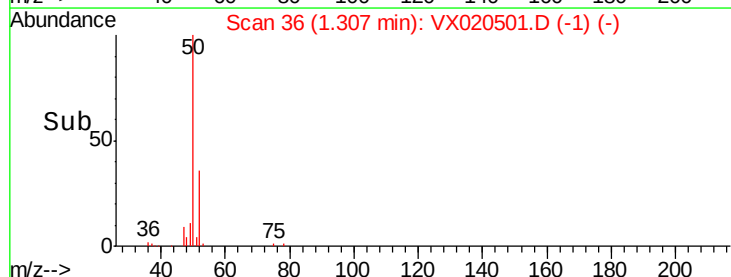
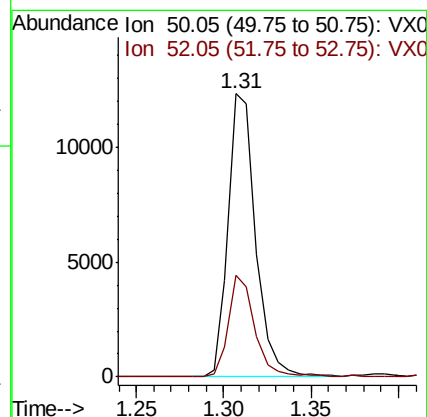
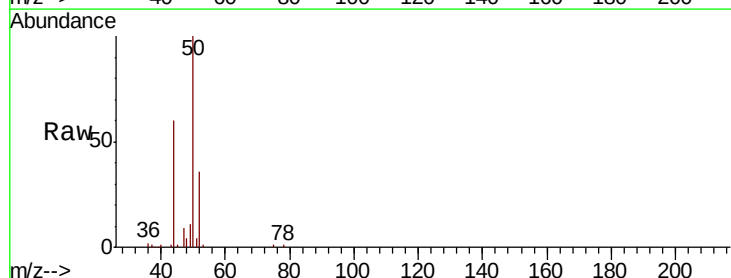
Acq: 05 Jan 2021 16:31

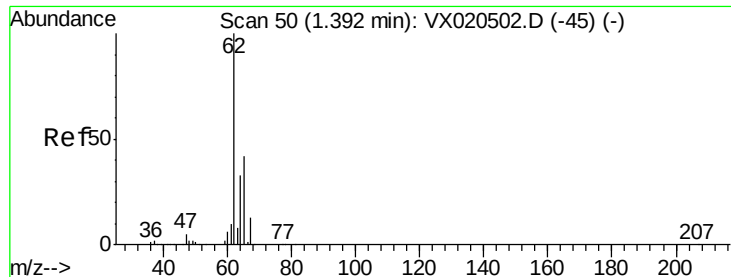
Tgt Ion: 50 Resp: 13544

Ion Ratio Lower Upper

50 100

52 36.1 23.5 43.7





#5

Vinyl chloride

Concen: 1.129 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

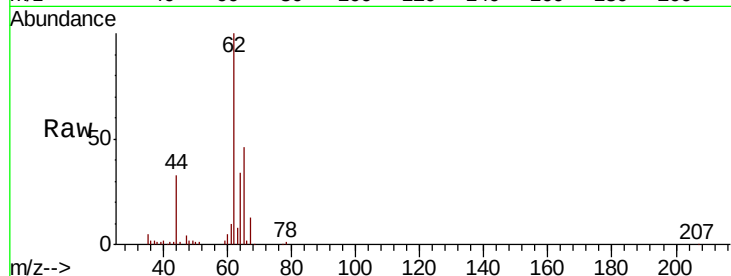
VSTD001303

Tot Ion: 62 Resp: 14830

Ion Ratio Lower Upper

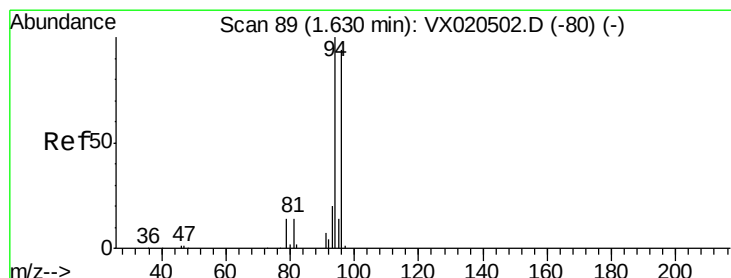
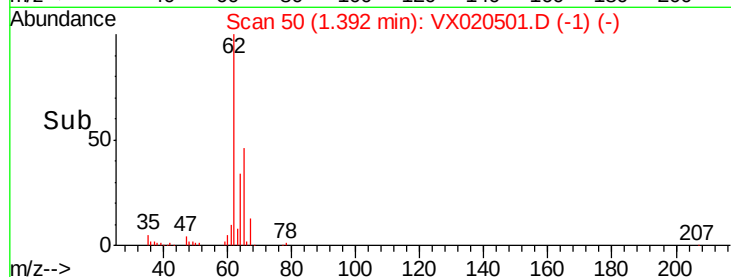
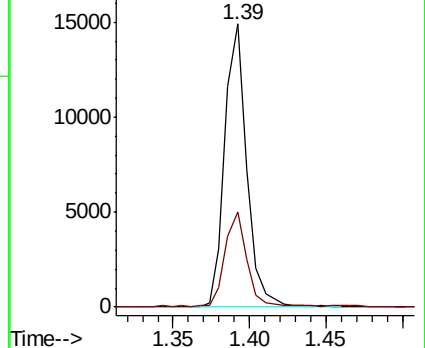
62 100

64 33.9 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: 0.960 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020501.D

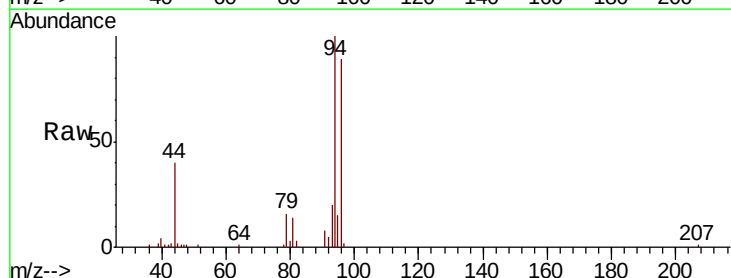
Acq: 05 Jan 2021 16:31

Tgt Ion: 94 Resp: 7879

Ion Ratio Lower Upper

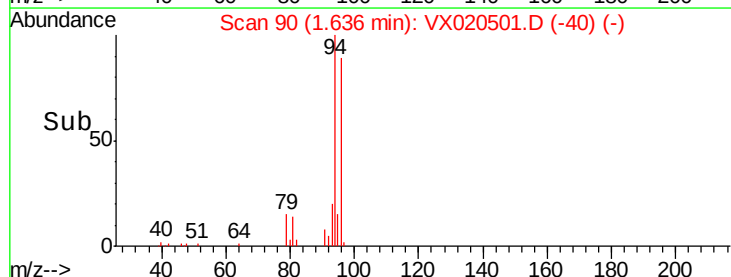
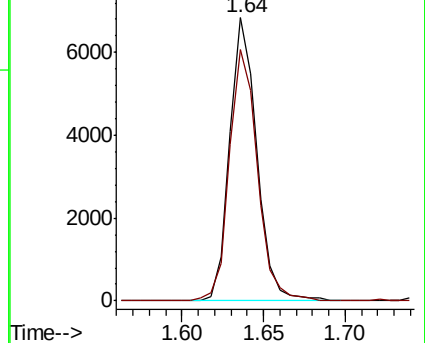
94 100

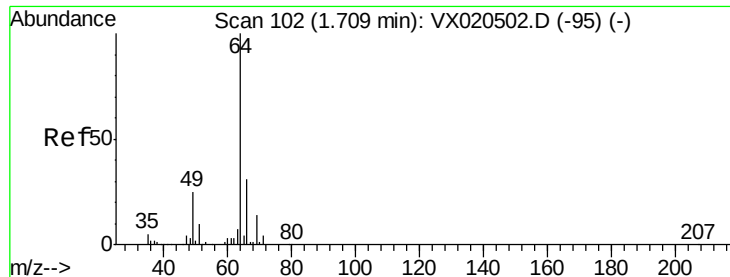
96 88.9 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 1.133 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

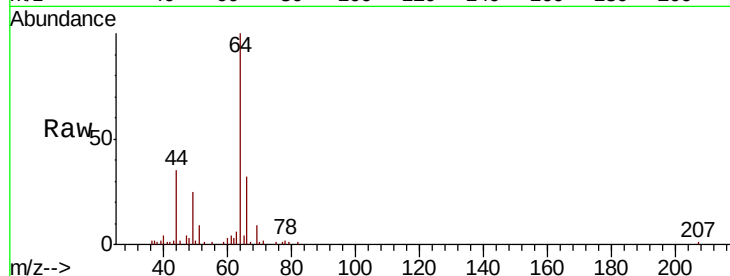
VSTD001303

Tot Ion: 64 Resp: 8989

Ion Ratio Lower Upper

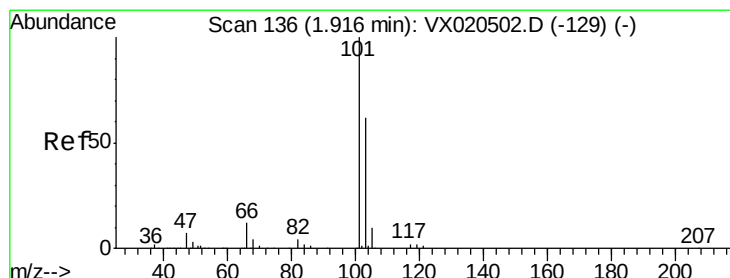
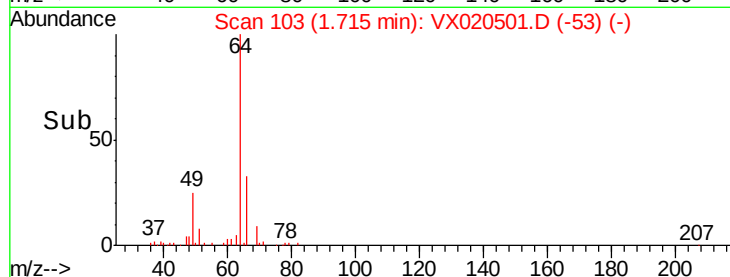
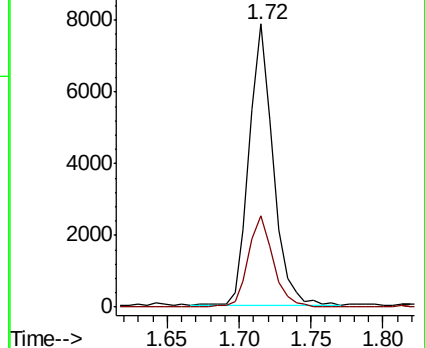
64 100

66 32.1 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0



#9

Trichlorofluoromethane

Concen: 1.006 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX020501.D

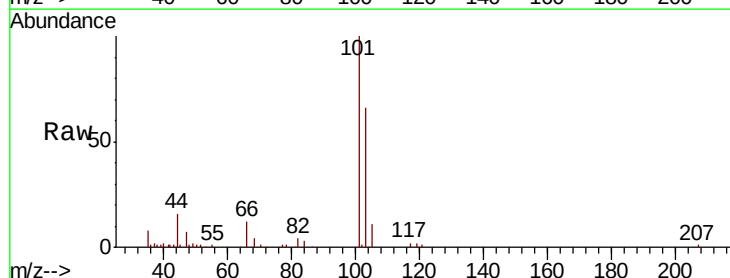
Acq: 05 Jan 2021 16:31

Tgt Ion: 101 Resp: 18696

Ion Ratio Lower Upper

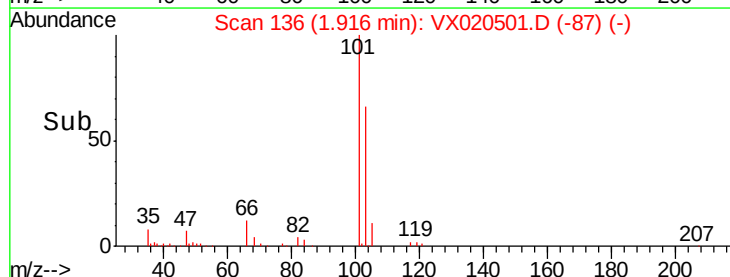
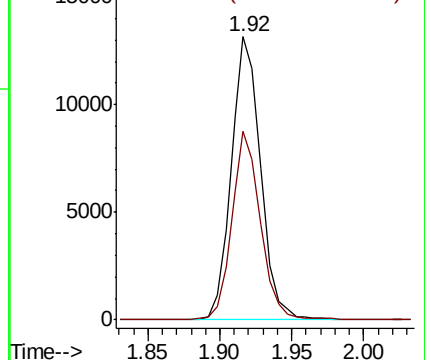
101 100

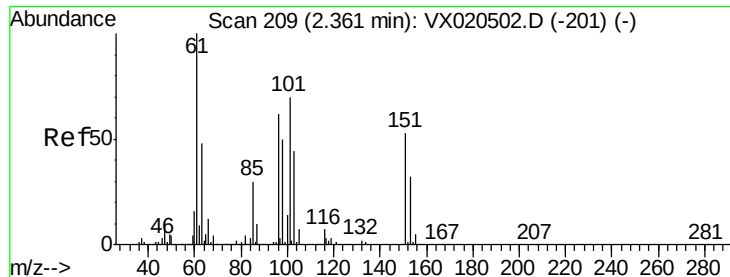
103 64.8 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.981 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD001303

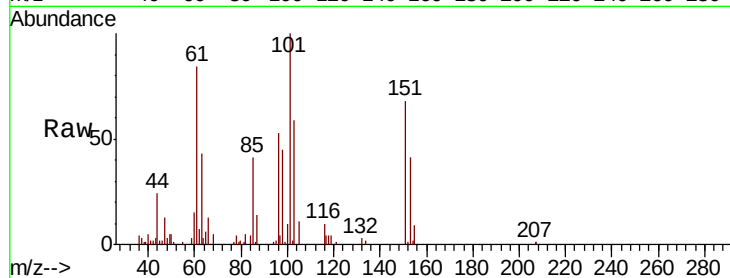
Tot Ion:101 Resp: 10343

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

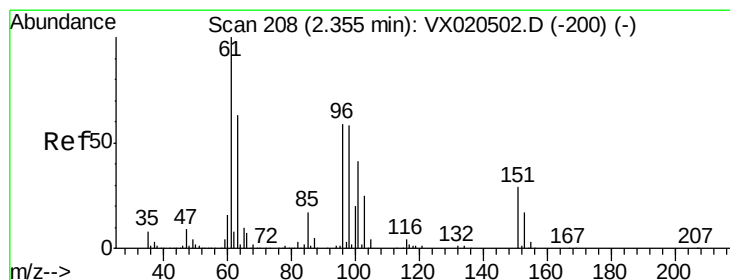
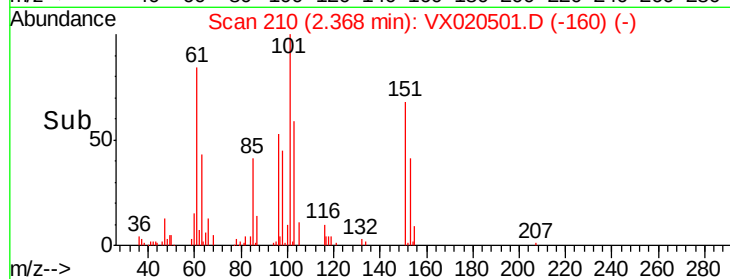
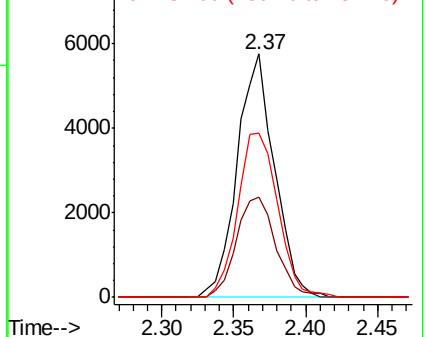
151 72.6 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.998 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

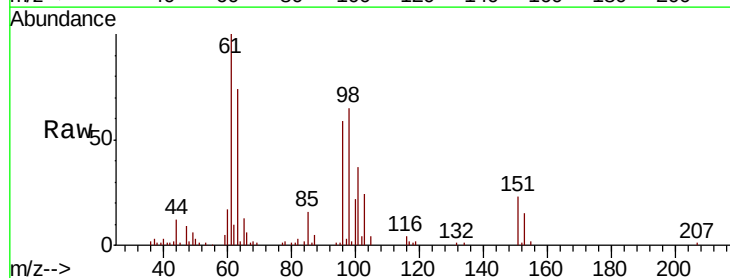
Tgt Ion: 96 Resp: 10243

Ion Ratio Lower Upper

96 100

61 170.6 118.2 219.6

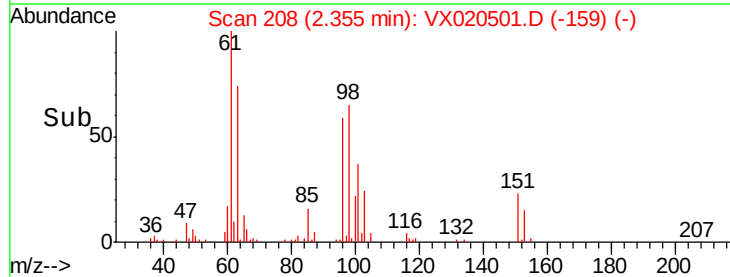
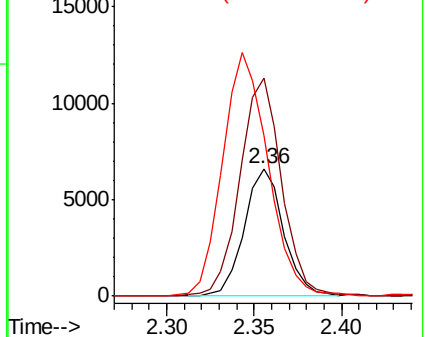
63 125.9 74.2 137.8

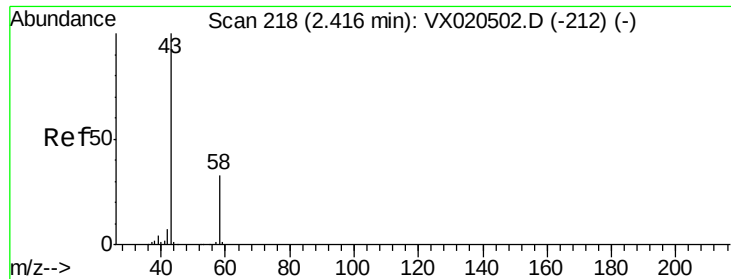


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 11.362 ug/L

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

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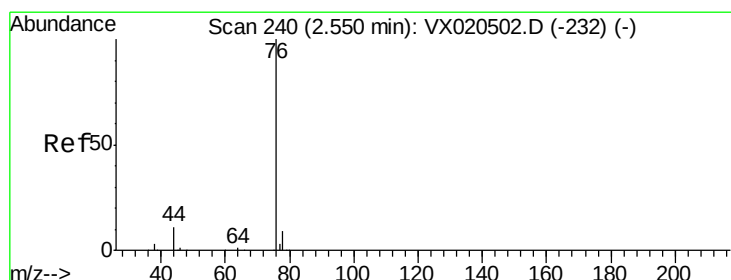
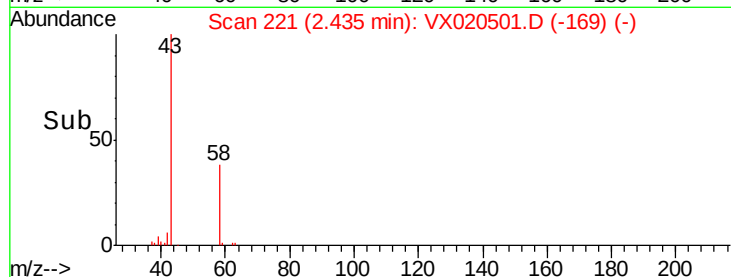
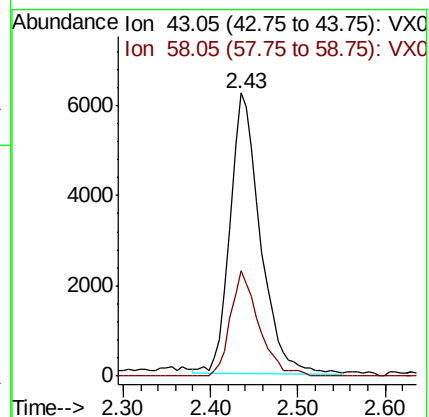
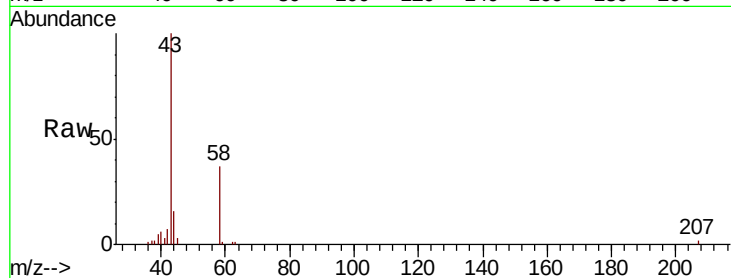
VSTD001303

Tot Ion: 43 Resp: 14990

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.4



#14

Carbon disulfide

Concen: 1.044 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020501.D

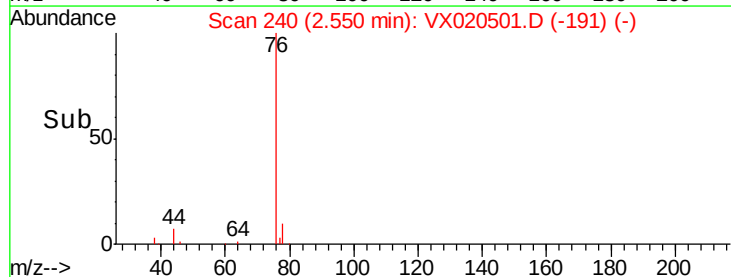
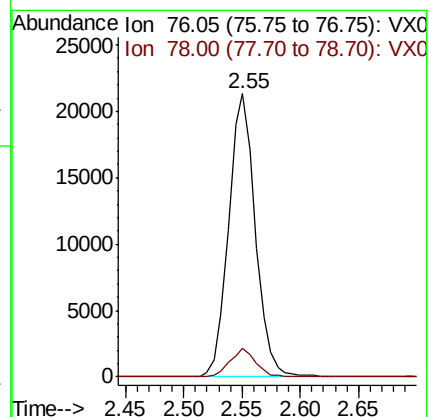
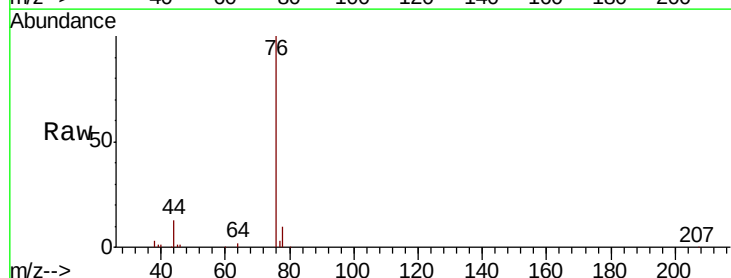
Acq: 05 Jan 2021 16:31

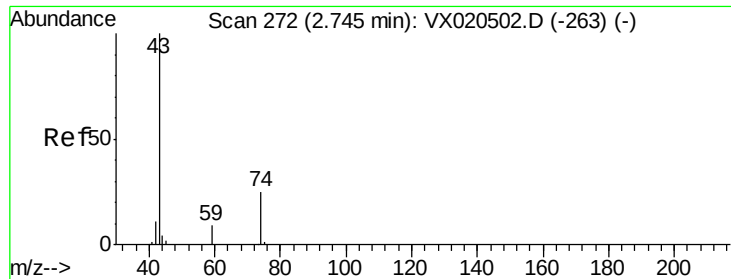
Tgt Ion: 76 Resp: 33886

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.6





#15

Methyl Acetate

Concen: 1.133 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

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ClientSampleId :

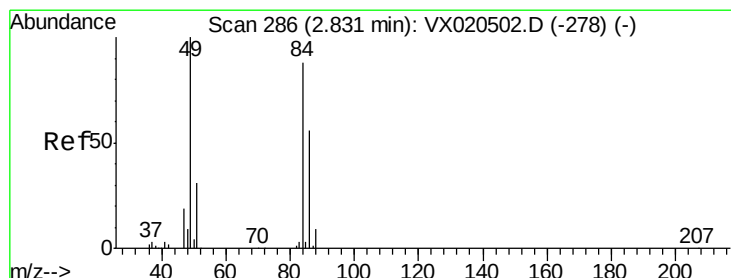
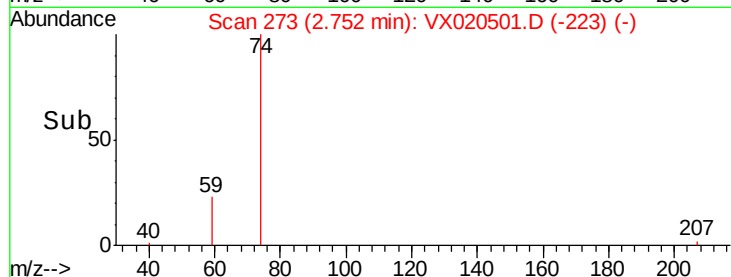
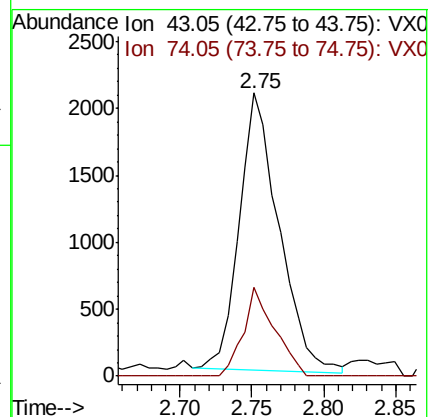
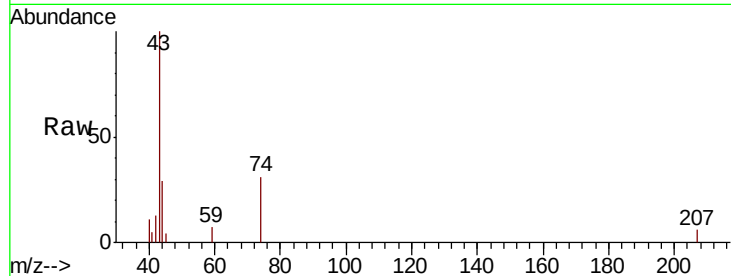
VSTD001303

Tot Ion: 43 Resp: 3969

Ion Ratio Lower Upper

43 100

74 25.1 21.1 31.7



#16

Methylene chloride

Concen: 1.003 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

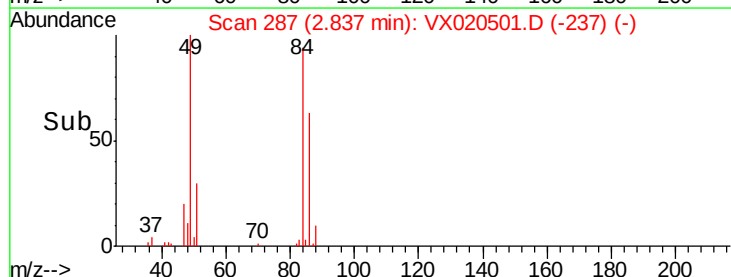
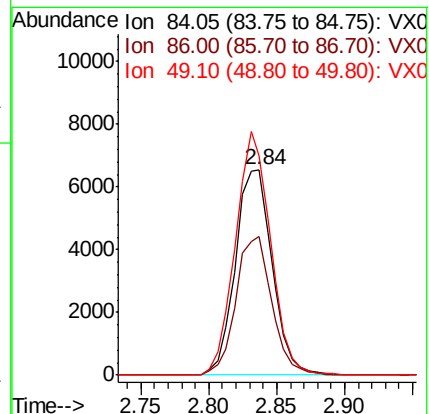
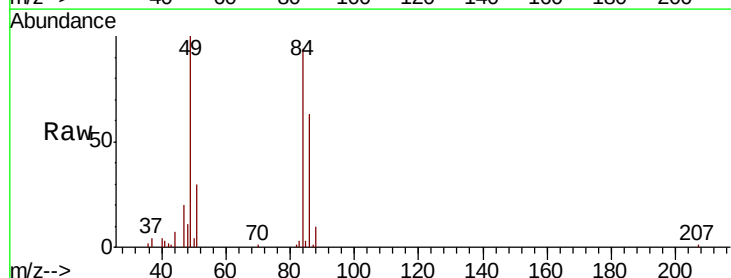
Tgt Ion: 84 Resp: 12409

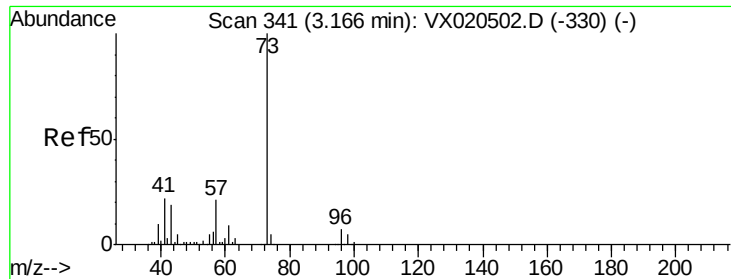
Ion Ratio Lower Upper

84 100

86 67.4 44.6 82.8

49 106.8 79.5 147.6

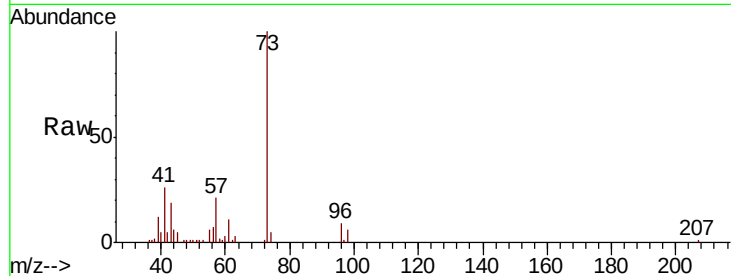




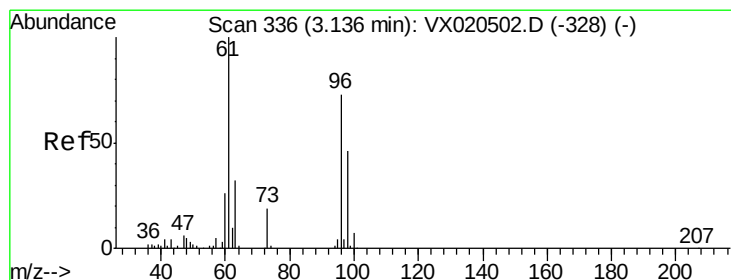
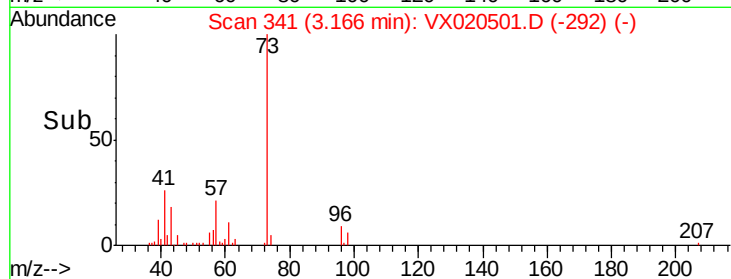
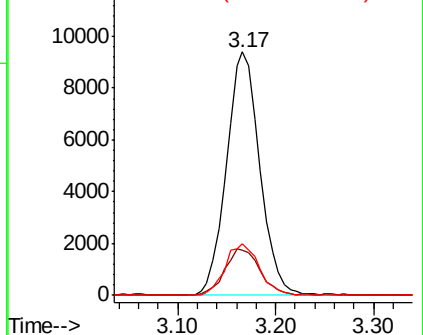
#17
Methyl tert-butyl Ether
Concen: 0.917 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD001303

Tot Ion: 73 Resp: 22148
Ion Ratio Lower Upper
73 100
43 20.3 15.1 22.7
57 21.5 17.4 26.2

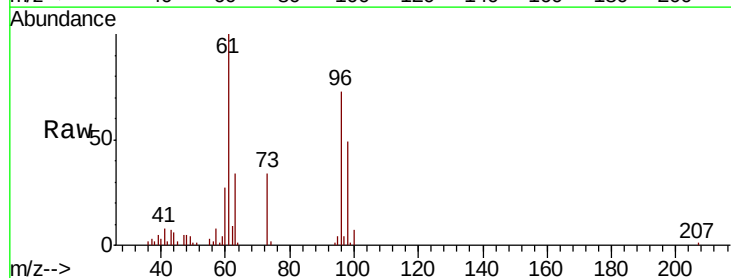


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

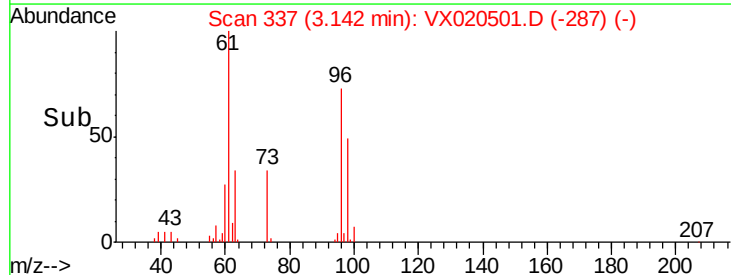
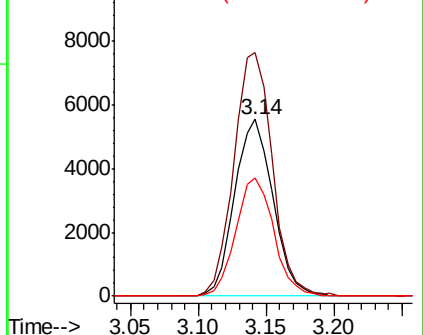


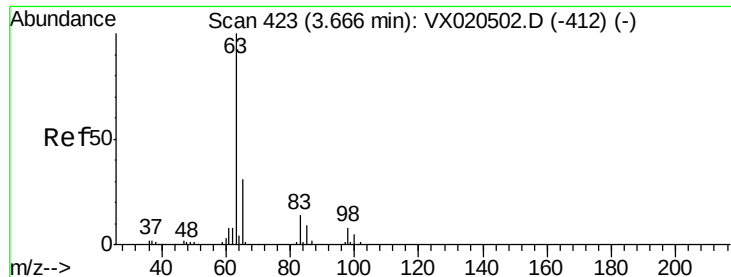
#18
trans-1,2-Dichloroethene
Concen: 1.006 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

Tgt Ion: 96 Resp: 10963
Ion Ratio Lower Upper
96 100
61 137.6 95.4 177.2
98 66.7 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

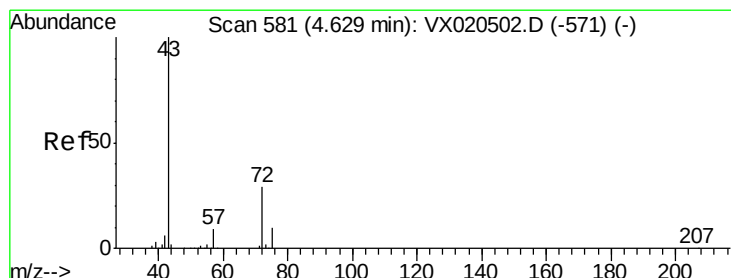
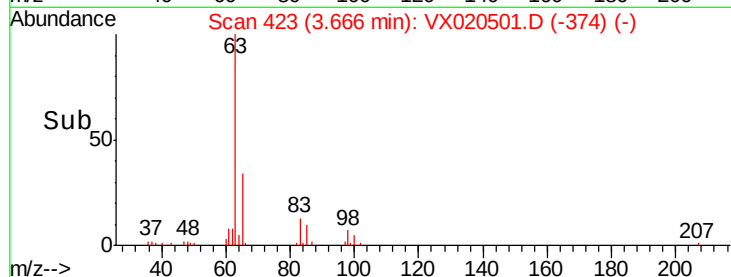
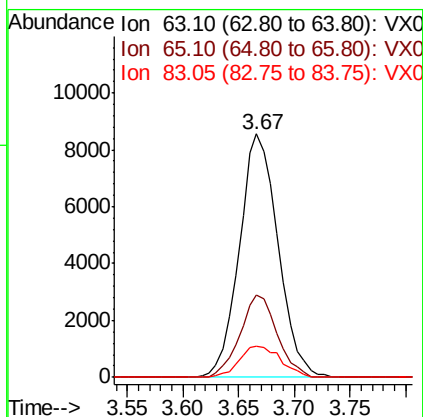
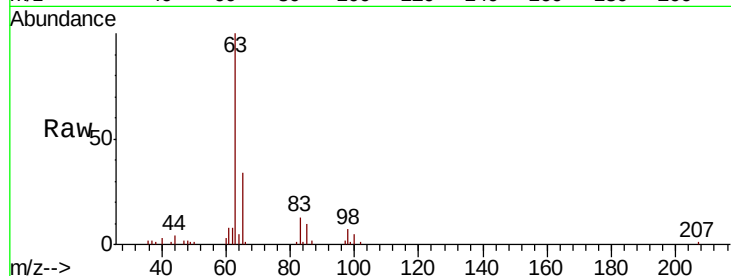




#19
 1,1-Dichloroethane
 Concen: 1.097 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

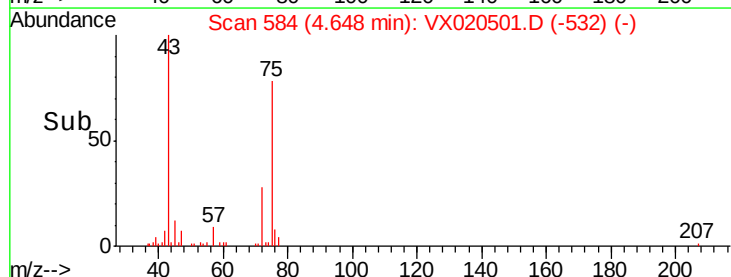
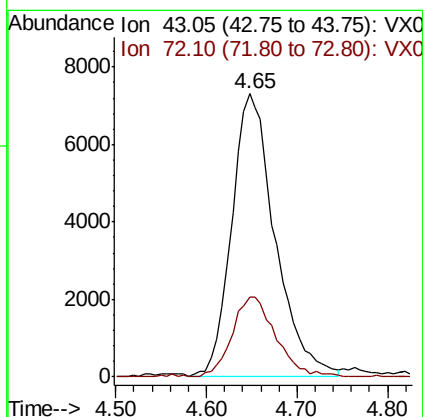
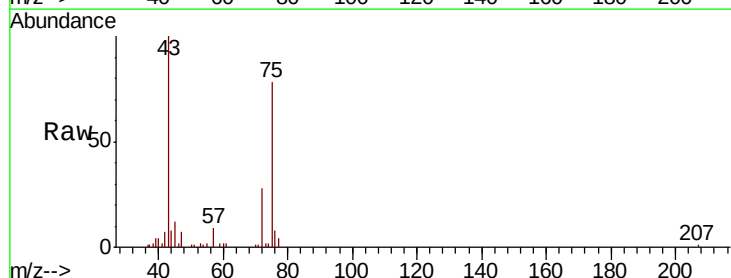
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

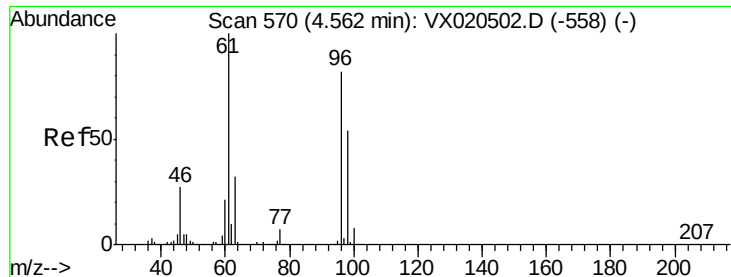
Tot Ion: 63 Resp: 20622
 Ion Ratio Lower Upper
 63 100
 65 33.9 21.8 40.6
 83 13.0 9.6 17.8



#21
 2-Butanone
 Concen: 10.611 ug/L
 RT: 4.65 min Scan# 584
 Delta R.T. 0.02 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion: 43 Resp: 24263
 Ion Ratio Lower Upper
 43 100
 72 28.4 14.8 44.4



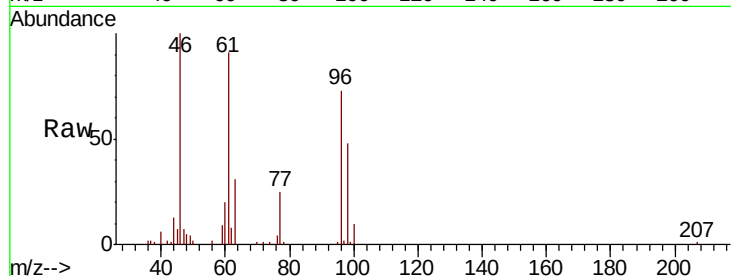


#22

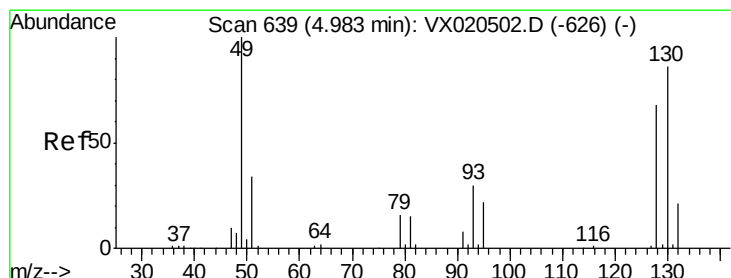
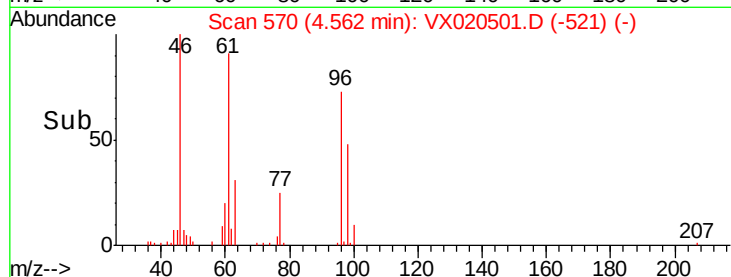
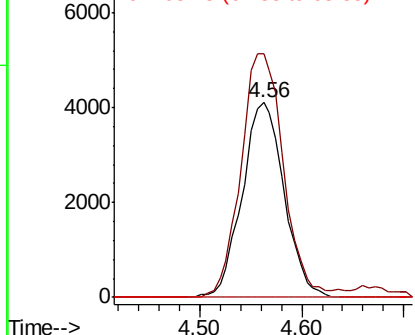
cis-1,2-Dichloroethene
 Concen: 1.010 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

Tot Ion: 96 Resp: 11731
 Ion Ratio Lower Upper
 96 100
 61 124.7 85.9 159.5
 68 0.0 0.0 0.0



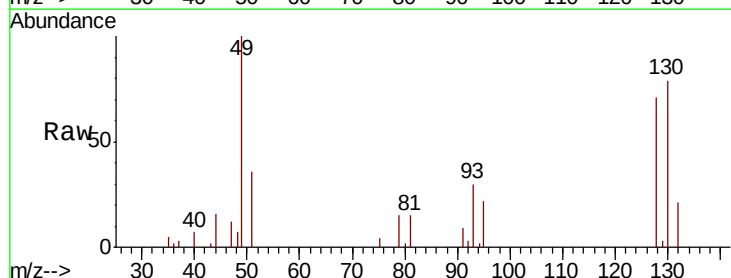
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



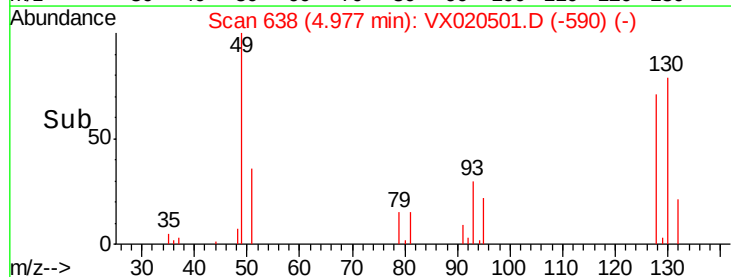
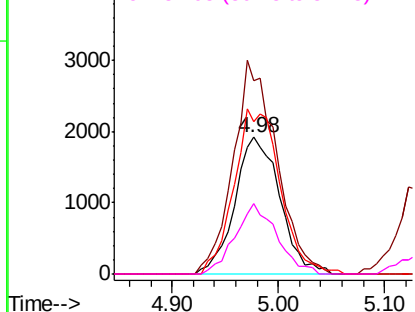
#23

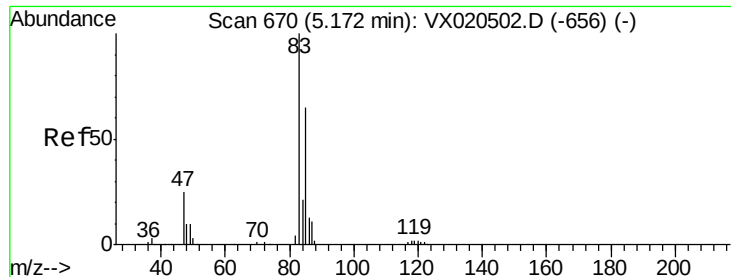
Bromochloromethane
 Concen: 1.176 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion: 128 Resp: 5714
 Ion Ratio Lower Upper
 128 100
 49 141.1 103.2 191.6
 130 111.4 89.1 165.5
 51 51.1 39.6 59.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VX0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VX0

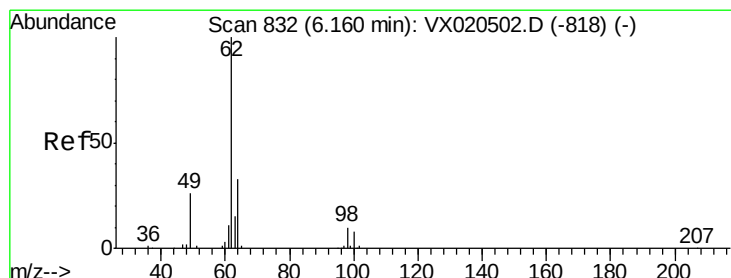
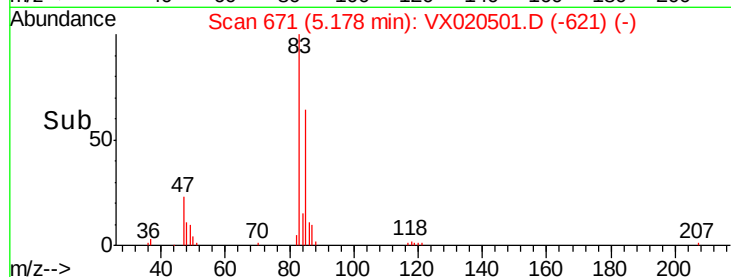
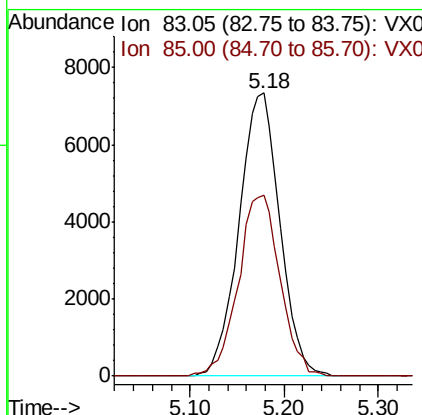
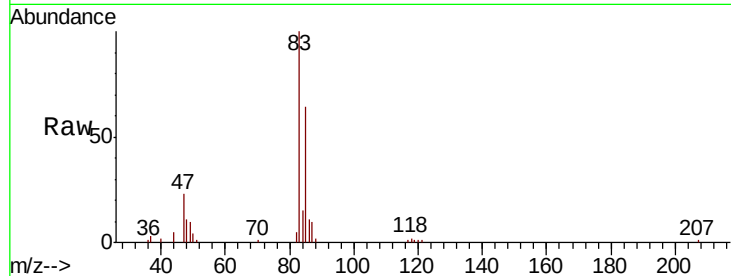




#25
Chloroform
Concen: 1.135 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

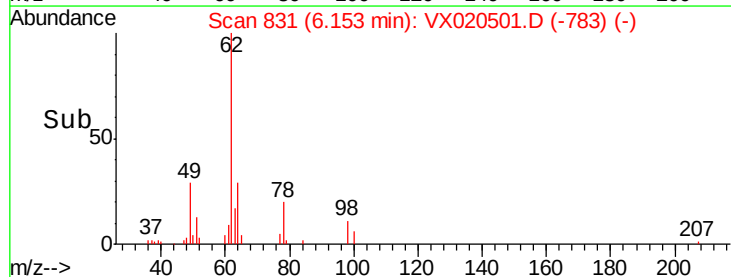
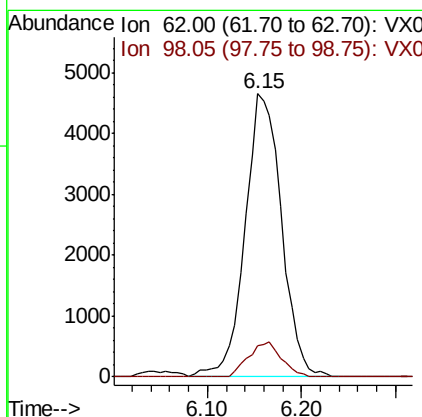
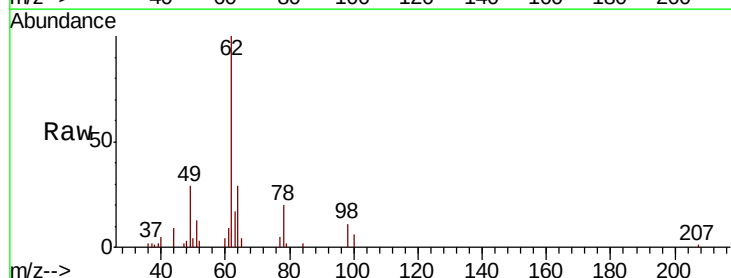
Instrument :
MSVOA_X
ClientSampleId :
VSTD001303

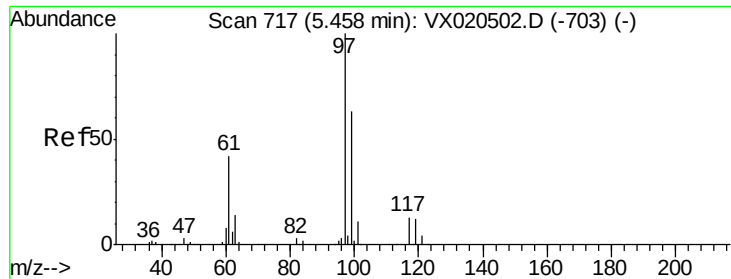
Tot Ion: 83 Resp: 22307
Ion Ratio Lower Upper
83 100
85 63.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 1.041 ug/L
RT: 6.15 min Scan# 831
Delta R.T. -0.01 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

Tgt Ion: 62 Resp: 12580
Ion Ratio Lower Upper
62 100
98 10.9 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 0.959 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD001303

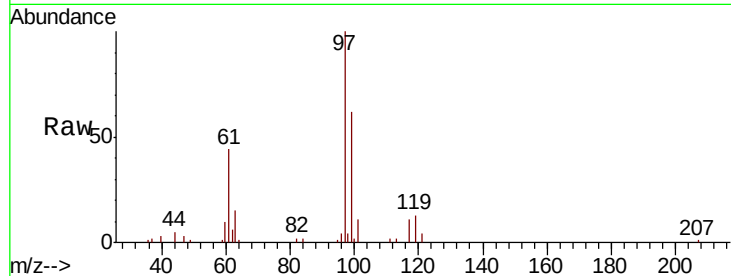
Tot Ion: 97 Resp: 18442

Ion Ratio Lower Upper

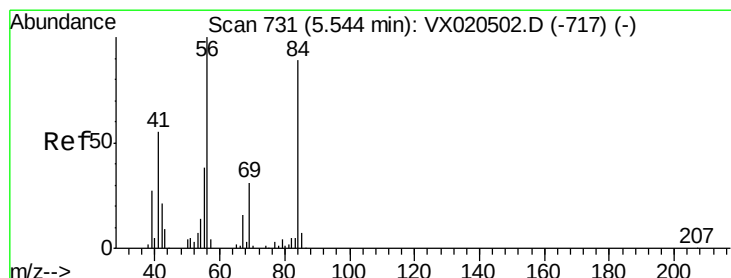
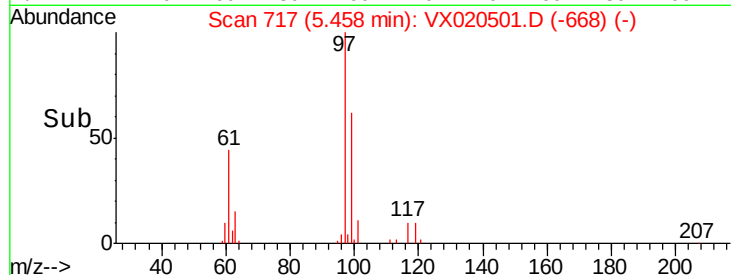
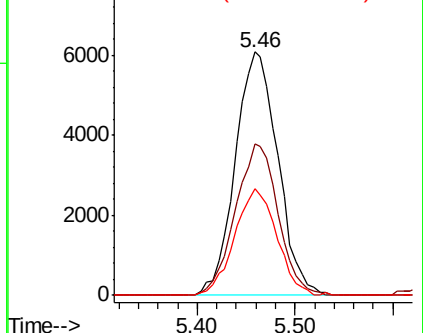
97 100

99 62.3 51.2 76.8

61 43.1 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: 0.816 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

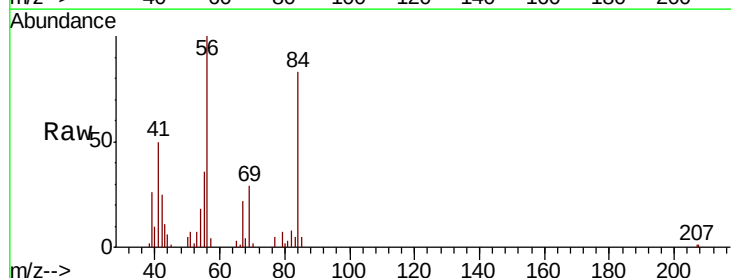
Tgt Ion: 56 Resp: 15504

Ion Ratio Lower Upper

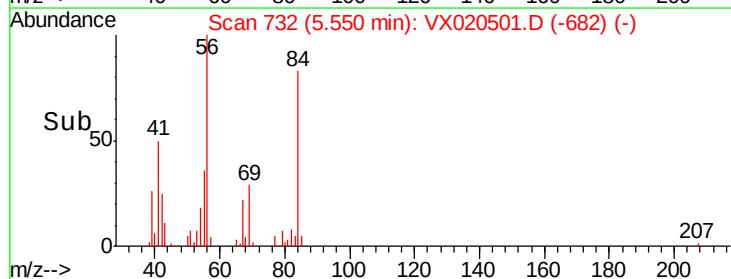
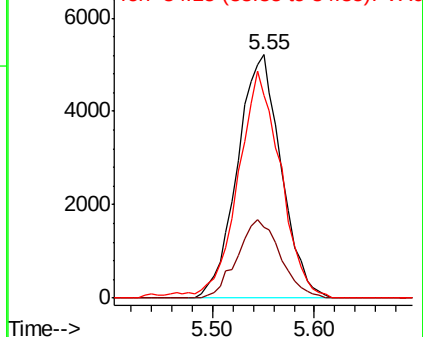
56 100

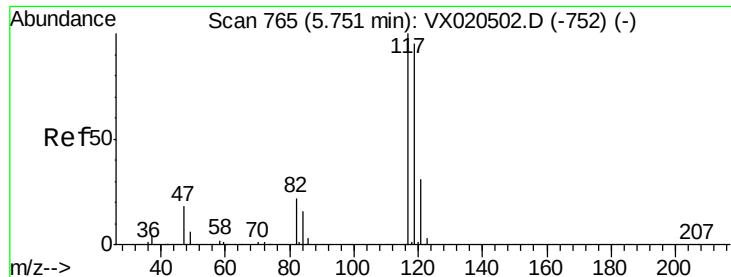
69 31.6 25.8 38.6

84 90.6 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

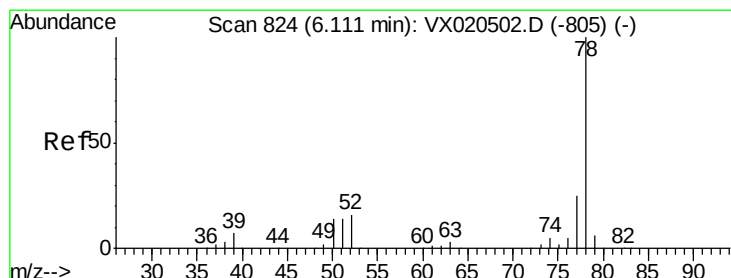
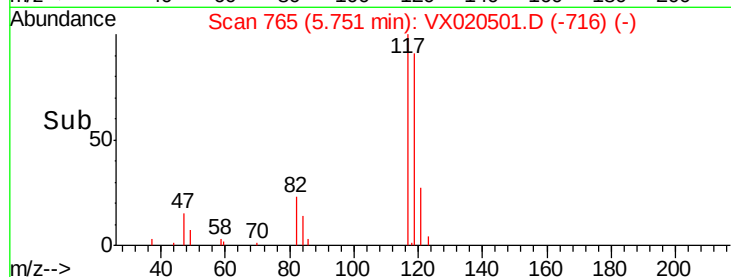
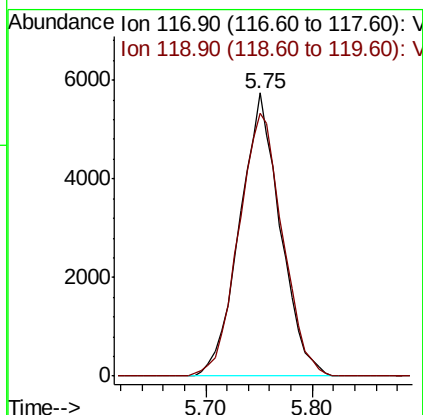
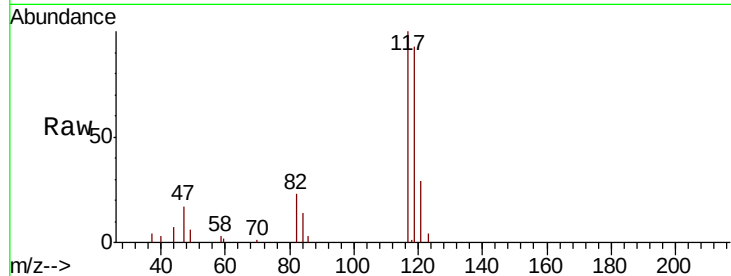




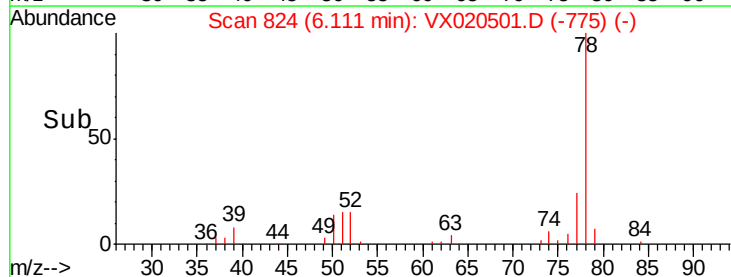
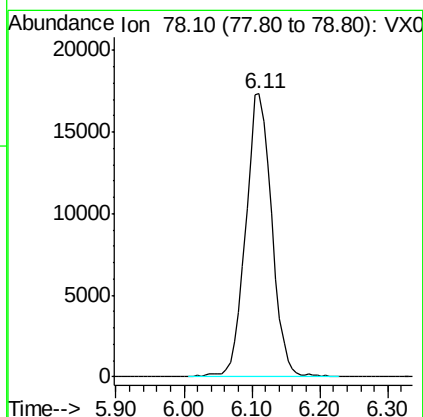
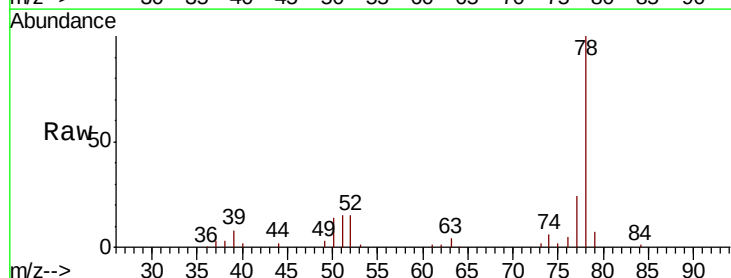
#31
Carbon tetrachloride
Concen: 0.928 ug/L
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

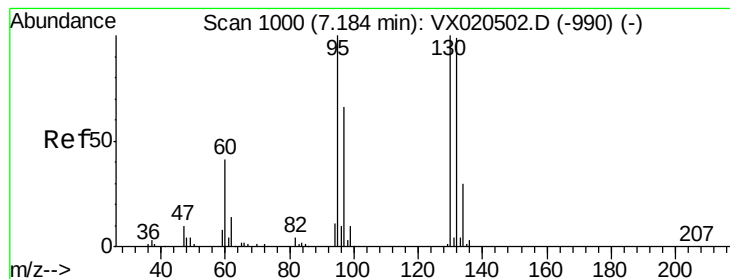
Instrument :
MSVOA_X
ClientSampleId :
VSTD001303

Tot Ion:117 Resp: 15300
Ion Ratio Lower Upper
117 100
119 100.5 76.2 114.4



#33
Benzene
Concen: 0.974 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31
Tgt Ion: 78 Resp: 46256





#34

Trichloroethene

Concen: 0.948 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD001303

Tot Ion: 95 Resp: 12040

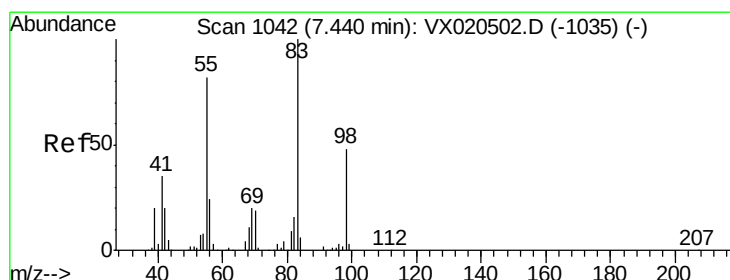
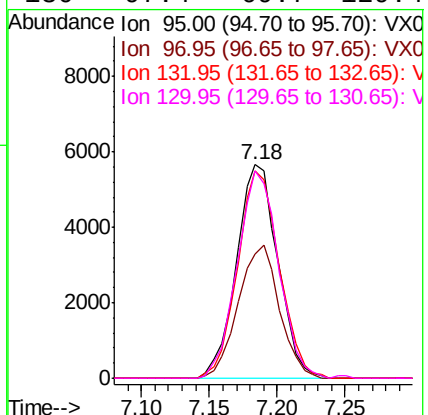
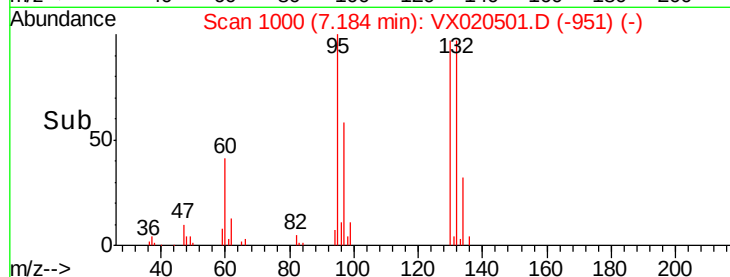
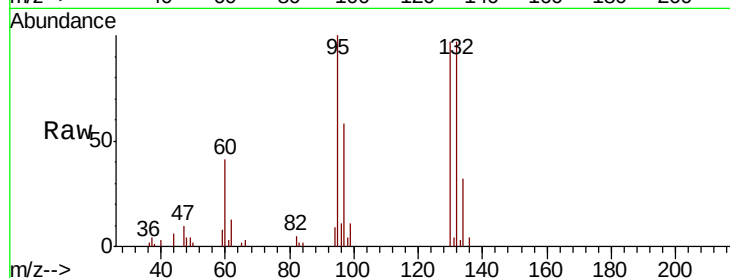
Ion Ratio Lower Upper

95 100

97 58.4 46.0 85.4

132 97.4 69.0 128.1

130 97.4 69.7 129.4



#35

Methylcyclohexane

Concen: 0.747 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

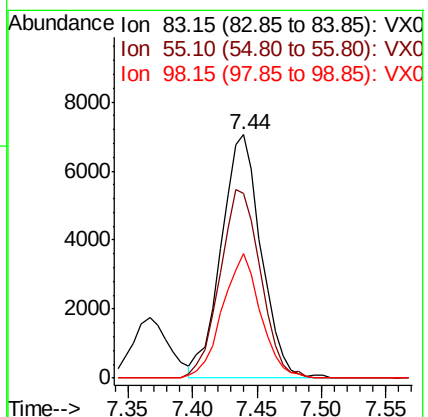
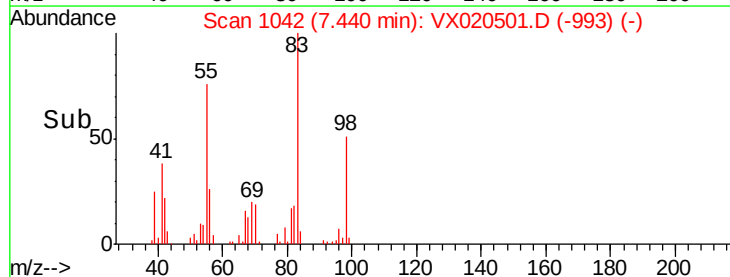
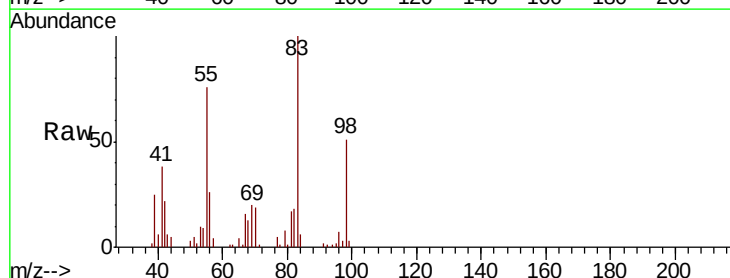
Tgt Ion: 83 Resp: 15259

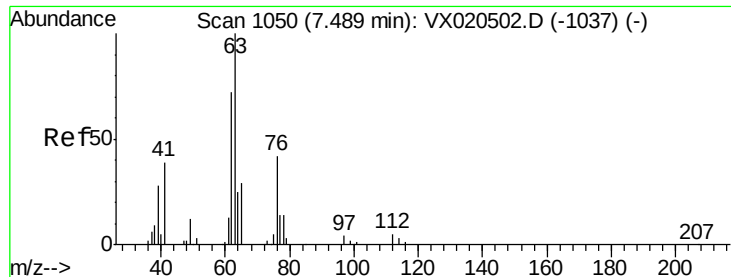
Ion Ratio Lower Upper

83 100

55 78.9 63.4 95.0

98 48.9 39.2 58.8

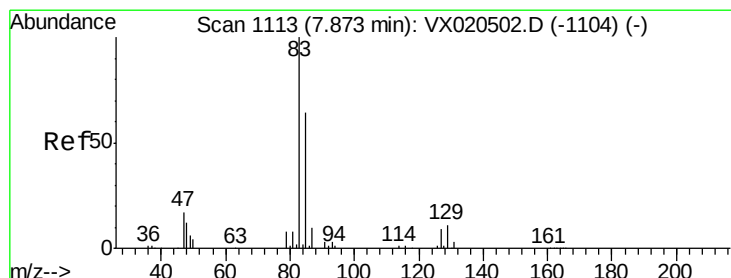
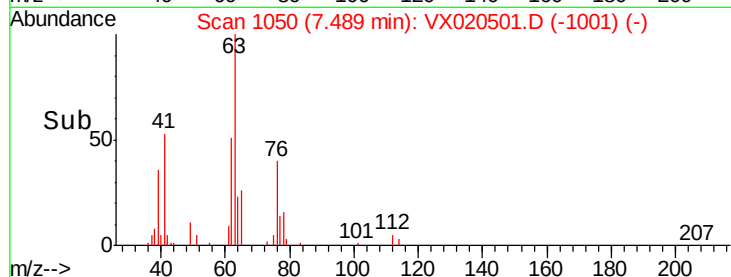
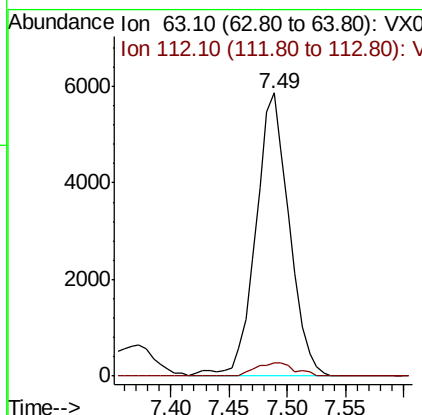
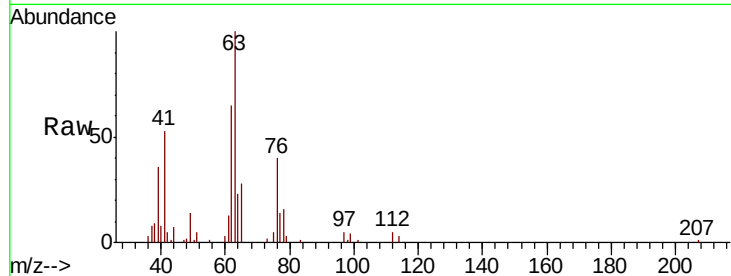




#37
 1,2-Dichloropropane
 Concen: 1.043 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

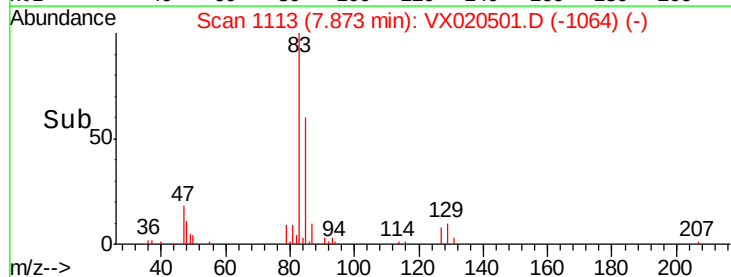
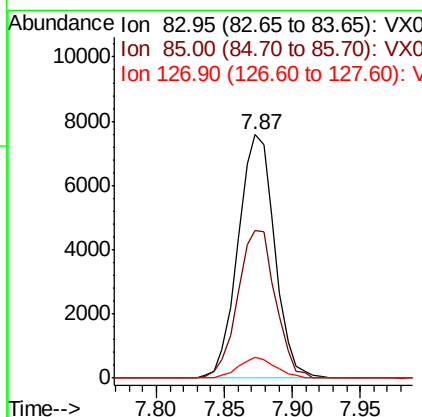
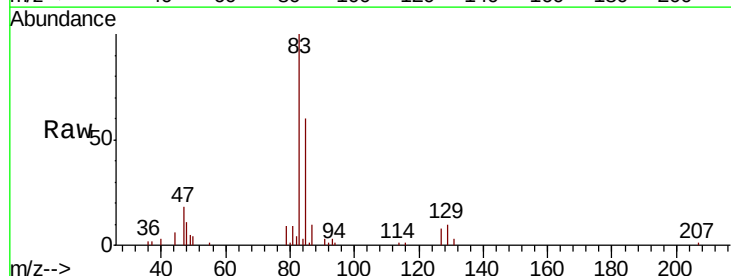
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

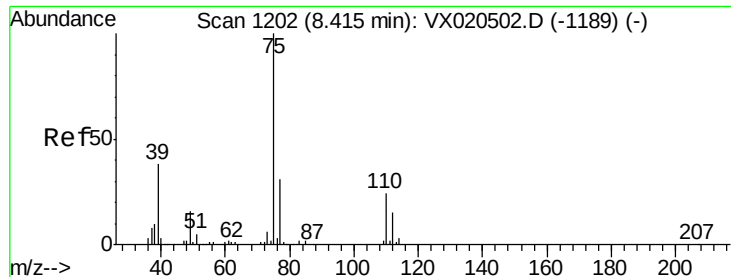
Tot Ion: 63 Resp: 11705
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.9 5.9



#38
 Bromodichloromethane
 Concen: 0.988 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion: 83 Resp: 14230
 Ion Ratio Lower Upper
 83 100
 85 60.4 44.6 82.8
 127 8.4 7.0 10.4



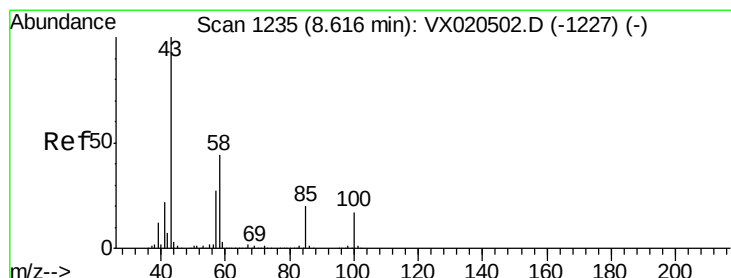
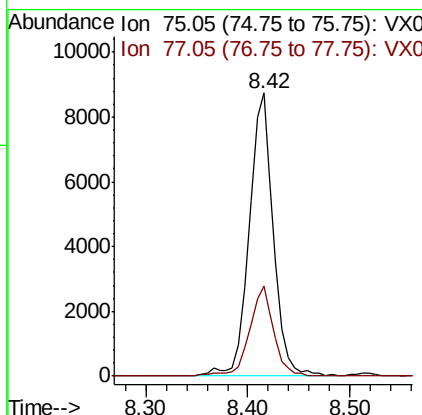
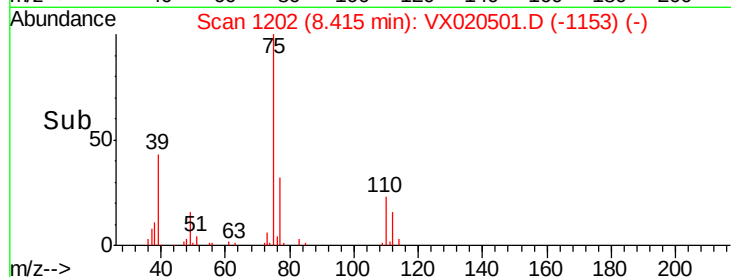
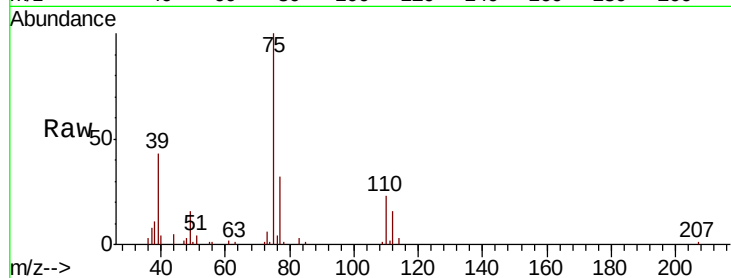


#39

cis-1,3-Dichloropropene
 Concen: 0.863 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

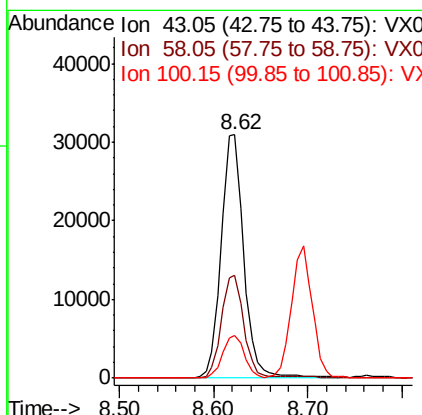
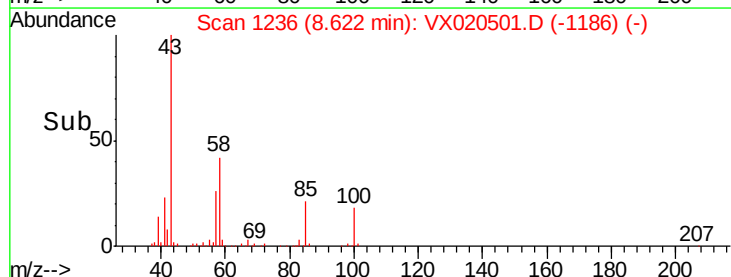
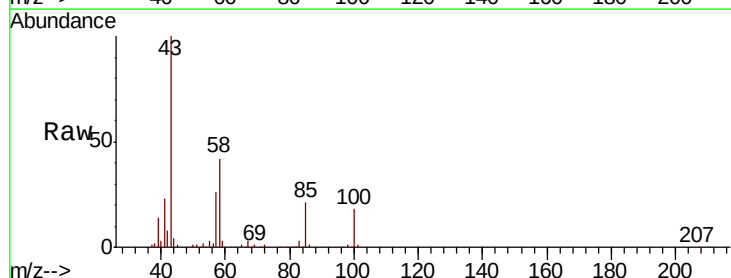
Tot Ion: 75 Resp: 14419
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.0

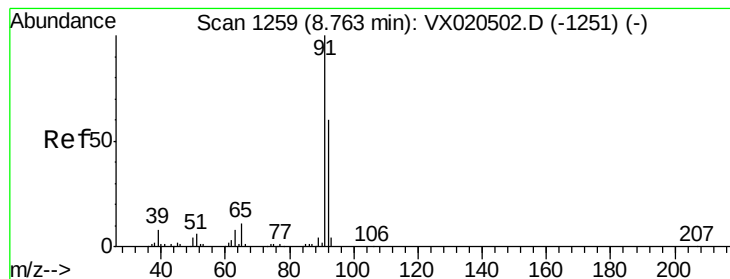


#40

4-Methyl-2-pentanone
 Concen: 8.786 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion: 43 Resp: 51839
 Ion Ratio Lower Upper
 43 100
 58 41.5 35.0 52.4
 100 17.0 14.3 21.5





#42

Toluene

Concen: 0.917 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

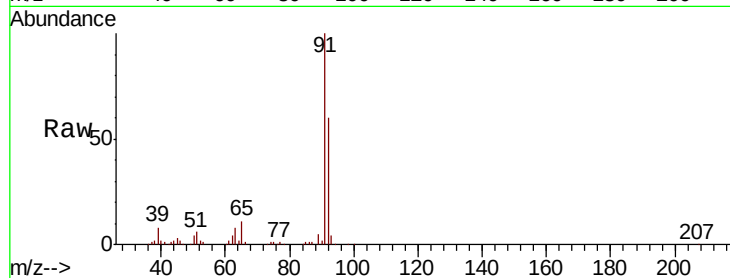
VSTD001303

Tot Ion: 91 Resp: 46628

Ion Ratio Lower Upper

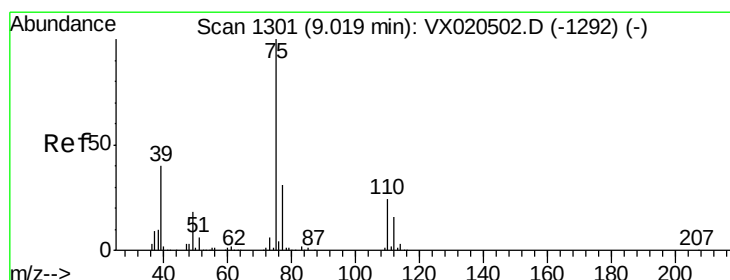
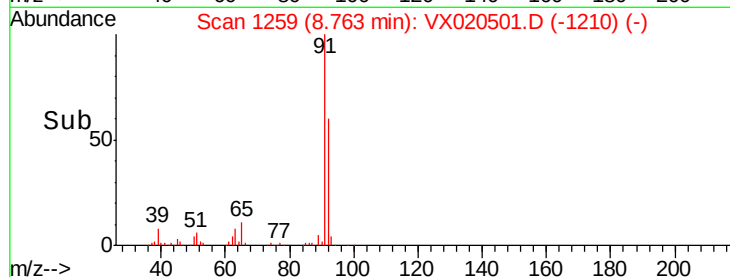
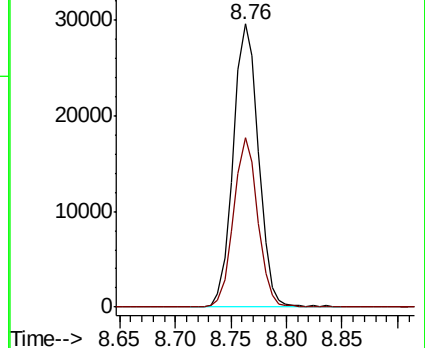
91 100

92 60.0 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#44

trans-1,3-Dichloropropene

Concen: 0.853 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX020501.D

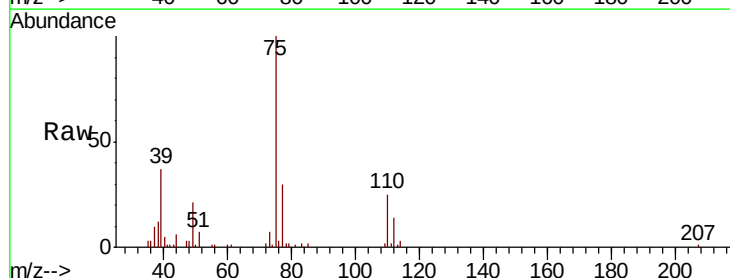
Acq: 05 Jan 2021 16:31

Tgt Ion: 75 Resp: 11992

Ion Ratio Lower Upper

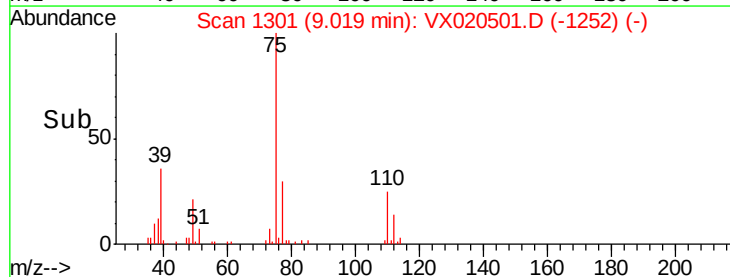
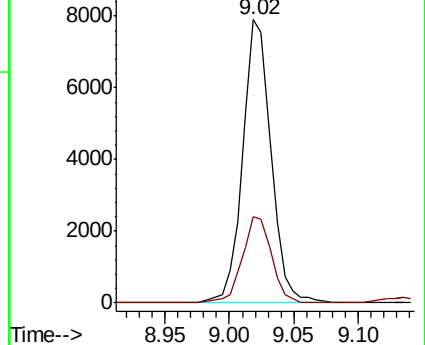
75 100

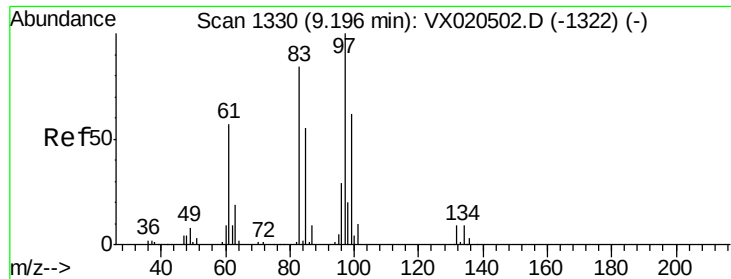
77 30.4 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

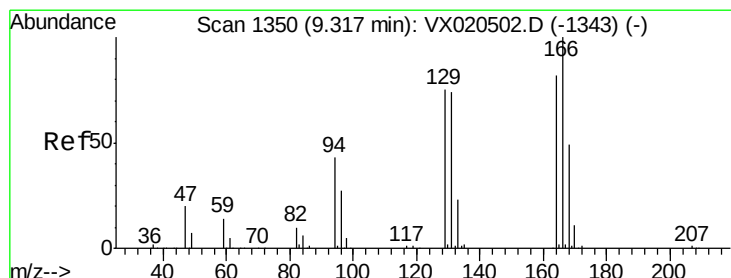
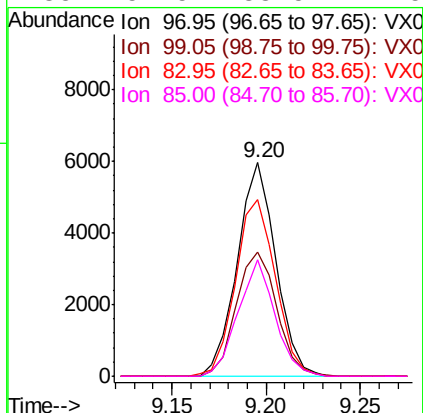
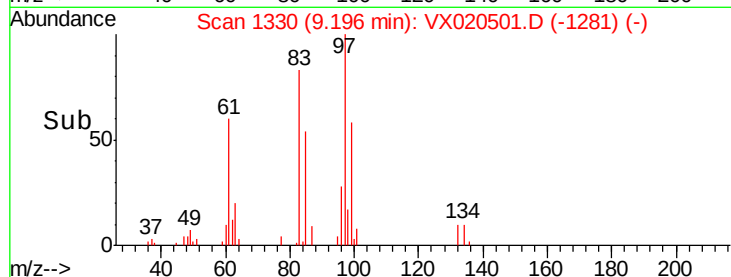
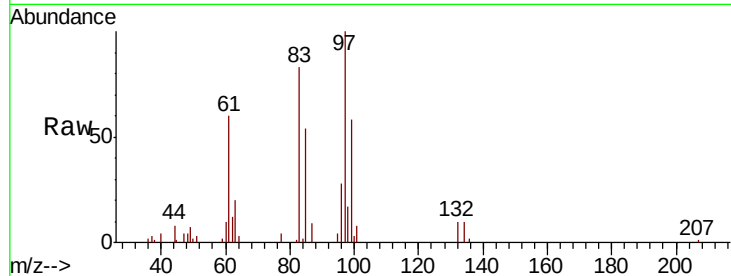




#45
 1,1,2-Trichloroethane
 Concen: 1.043 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

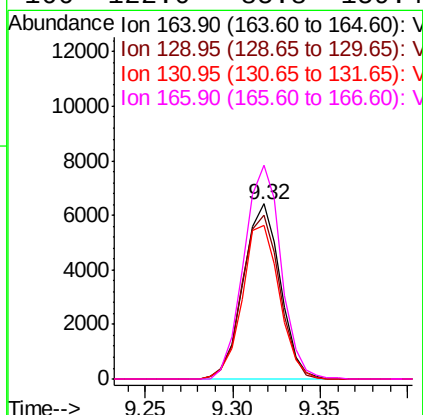
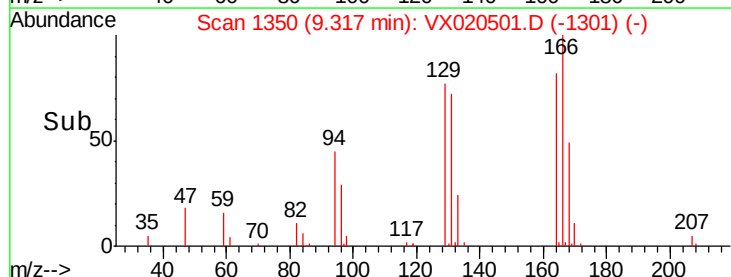
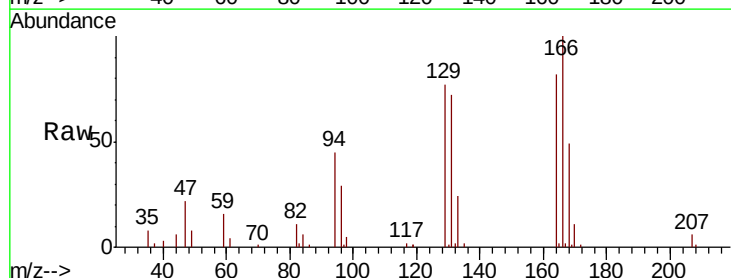
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

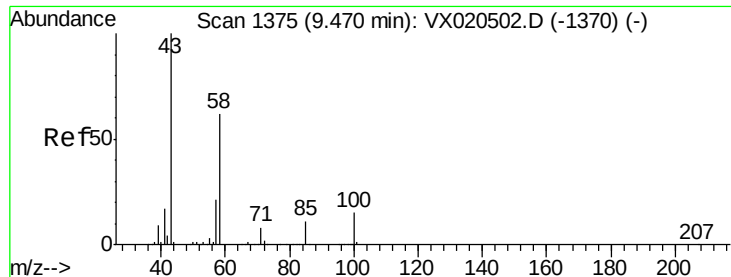
Tot Ion:	97	Resp:	8447
Ion	Ratio	Lower	Upper
97	100		
99	58.0	43.4	80.6
83	82.7	58.6	108.8
85	54.5	38.5	71.5



#47
 Tetrachloroethene
 Concen: 0.956 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion:	164	Resp:	9471
Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.5	119.7
131	87.7	63.8	118.6
166	122.0	85.8	159.4

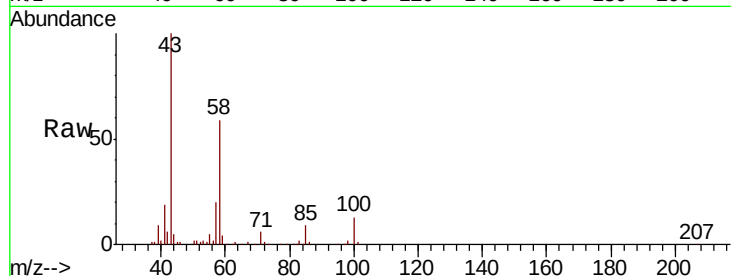




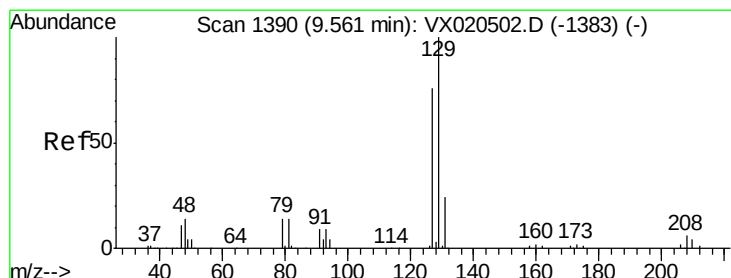
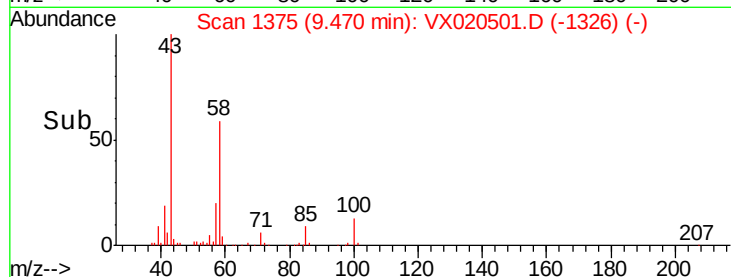
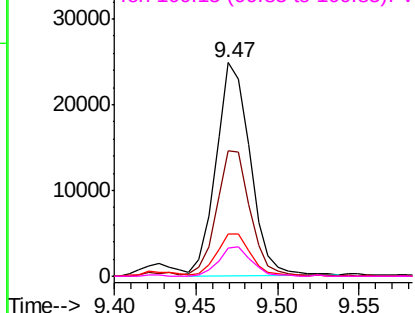
#48
2-Hexanone
Concen: 8.641 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTD001303

Tot Ion:	43	Resp:	35959
Ion	Ratio	Lower	Upper
43	100		
58	59.4	48.8	73.2
57	20.3	16.6	25.0
100	13.3	11.4	17.2

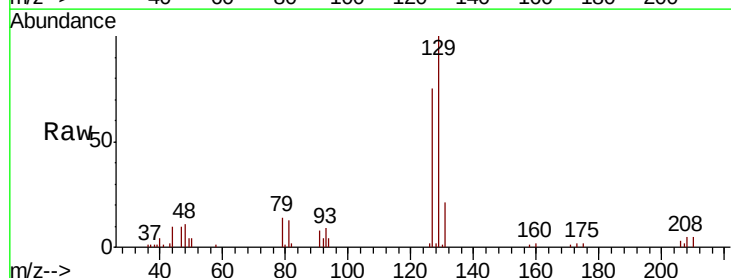


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

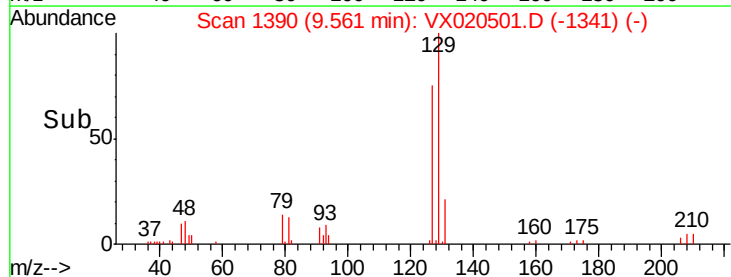
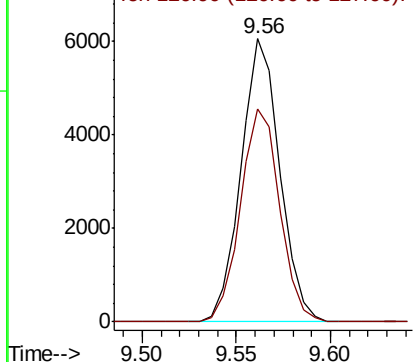


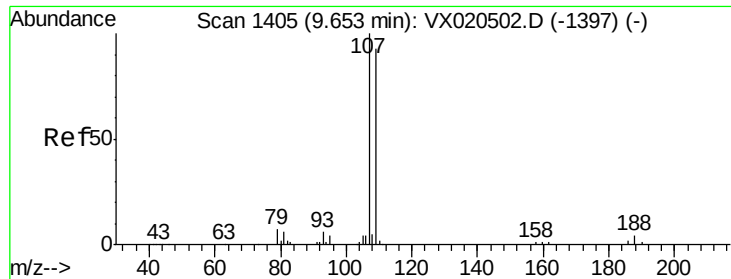
#49
Dibromochloromethane
Concen: 0.923 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX020501.D
Acq: 05 Jan 2021 16:31

Tgt Ion:	129	Resp:	8636
Ion	Ratio	Lower	Upper
129	100		
127	75.4	53.0	98.4



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

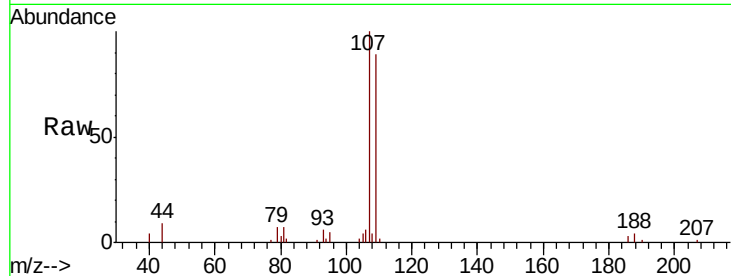




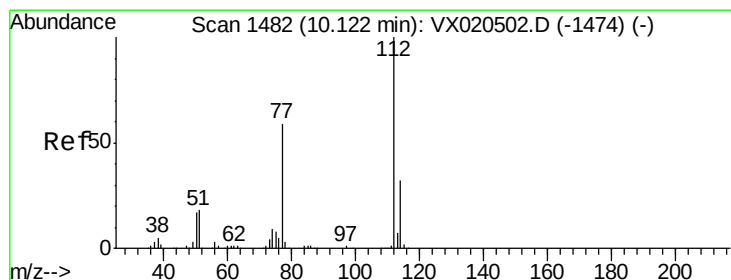
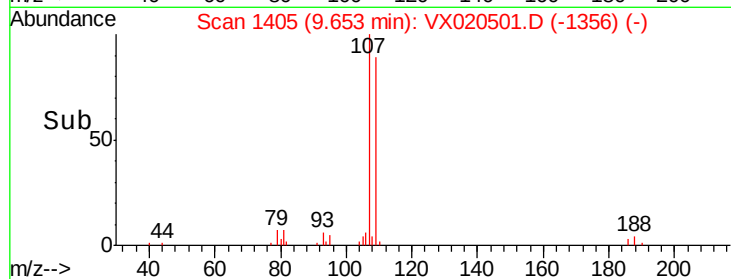
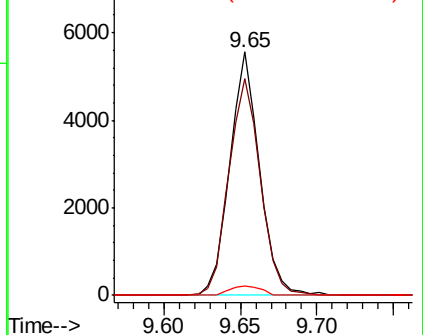
#50
 1,2-Dibromoethane
 Concen: 0.997 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

Tot Ion:107 Resp: 7498
 Ion Ratio Lower Upper
 107 100
 109 88.8 65.0 120.8
 188 3.6 3.4 5.0

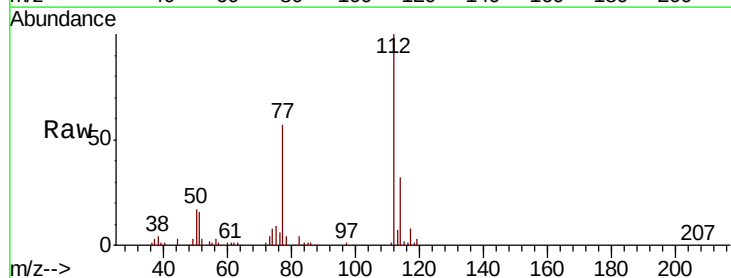


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

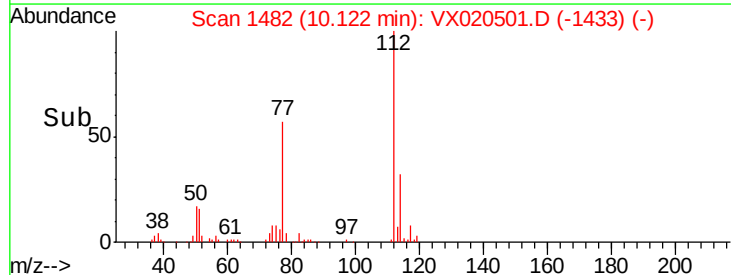
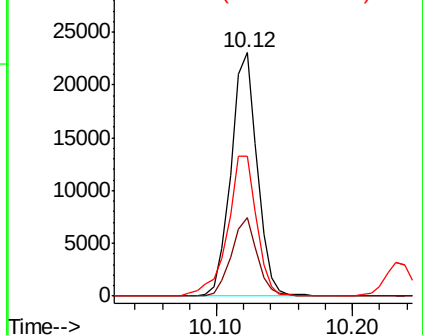


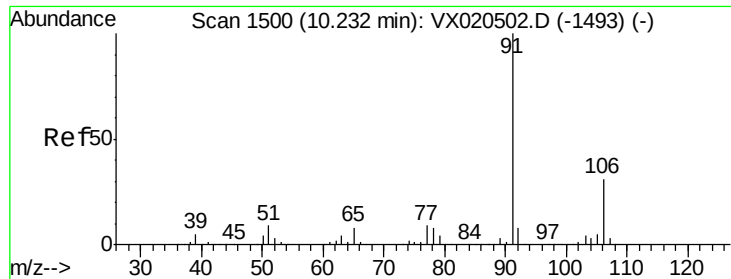
#51
 Chlorobenzene
 Concen: 0.967 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion:112 Resp: 30840
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.1 41.1
 77 57.3 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): VX0





#52

Ethylbenzene

Concen: 0.823 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

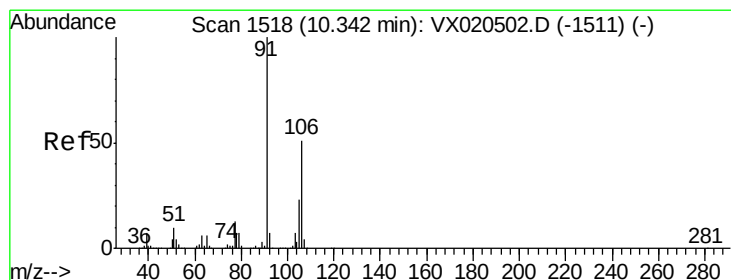
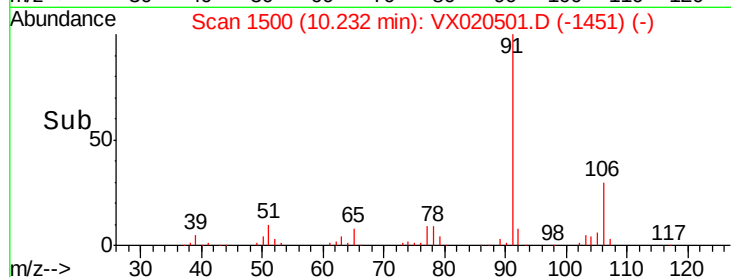
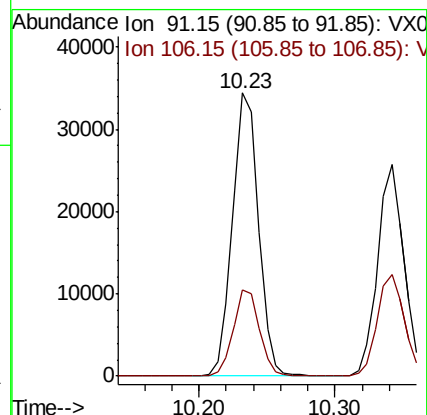
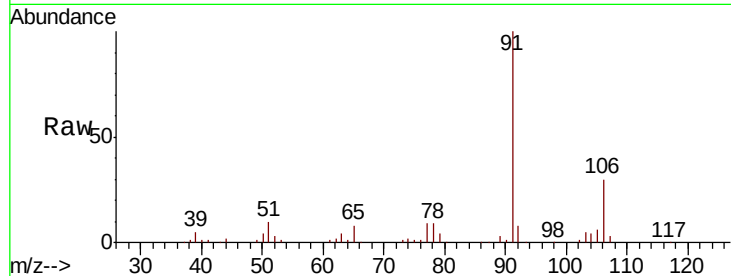
VSTD001303

Tot Ion: 91 Resp: 45947

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



#53

m,p-xylene

Concen: 0.799 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX020501.D

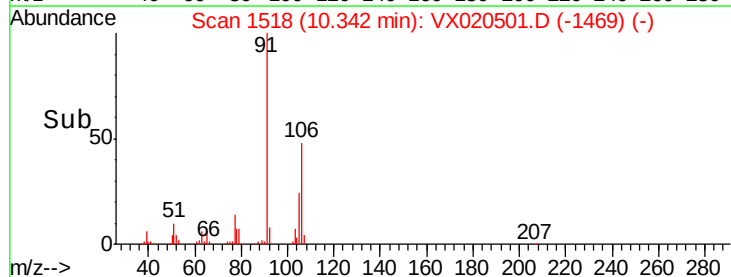
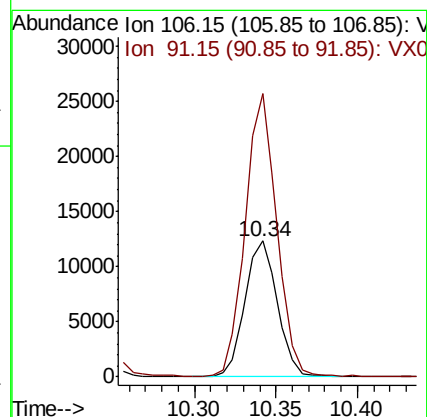
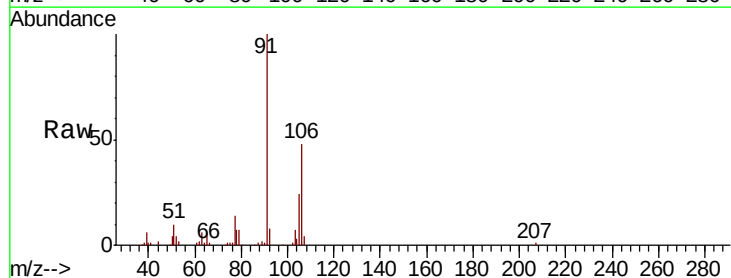
Acq: 05 Jan 2021 16:31

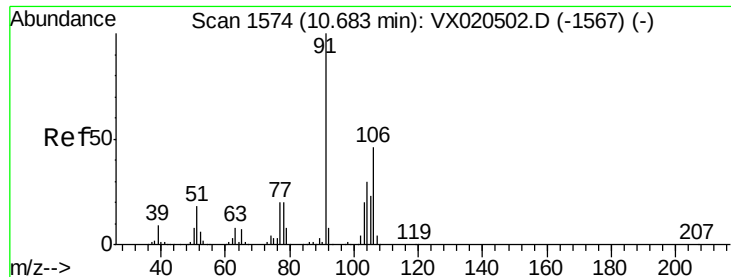
Tgt Ion: 106 Resp: 17147

Ion Ratio Lower Upper

106 100

91 208.0 137.4 255.2





#54

o-xylene

Concen: 0.800 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

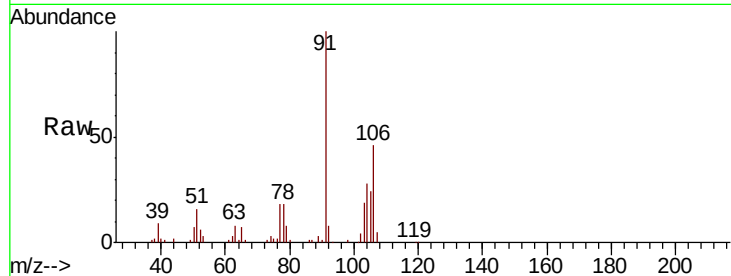
VSTD001303

Tot Ion:106 Resp: 16355

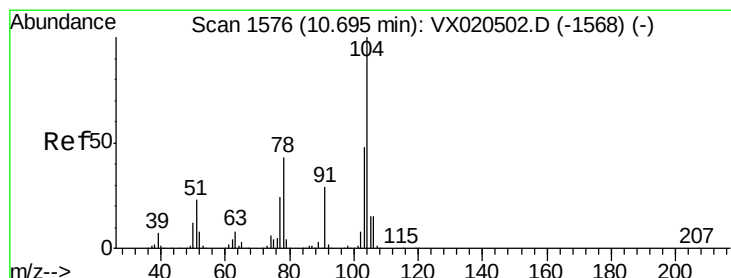
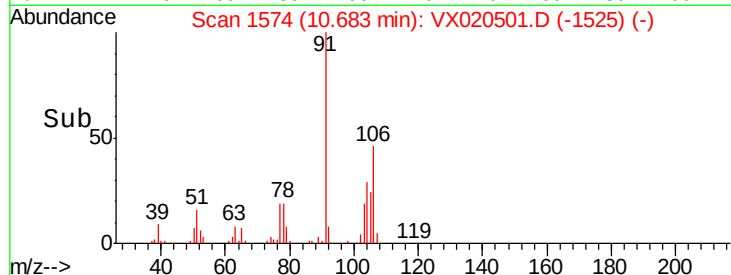
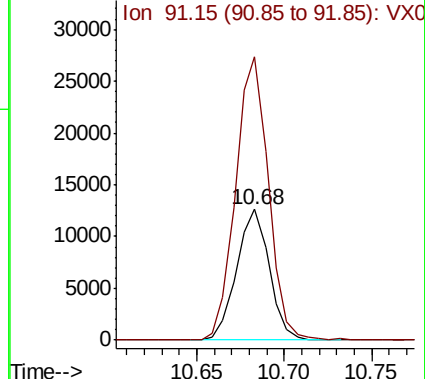
Ion Ratio Lower Upper

106 100

91 216.8 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.769 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX020501.D

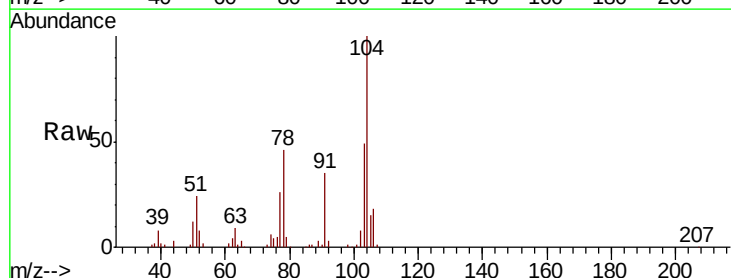
Acq: 05 Jan 2021 16:31

Tgt Ion:104 Resp: 26018

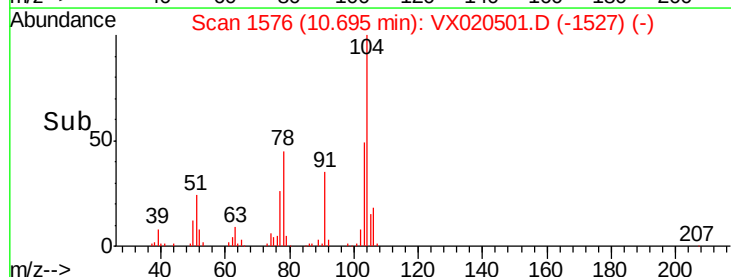
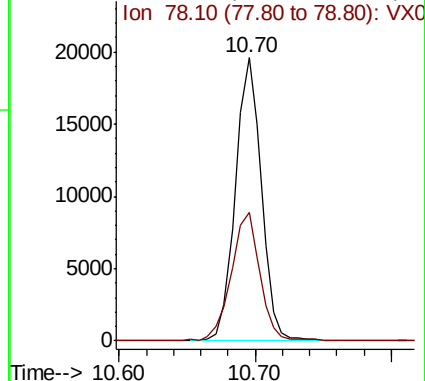
Ion Ratio Lower Upper

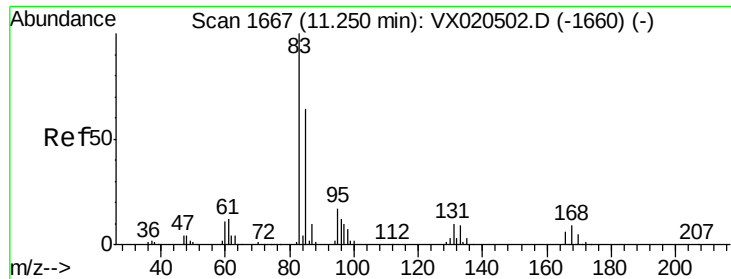
104 100

78 45.5 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

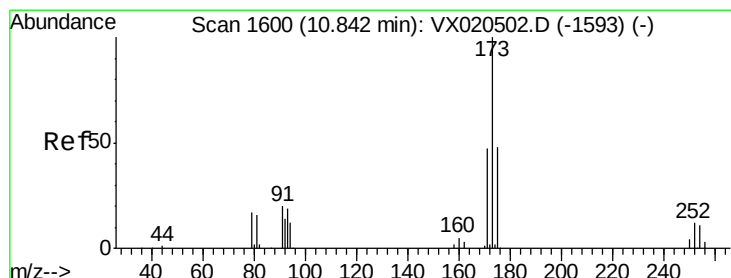
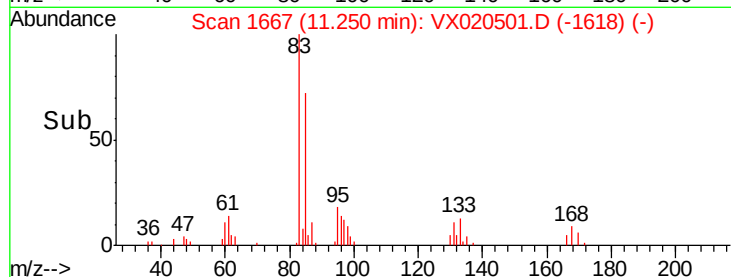
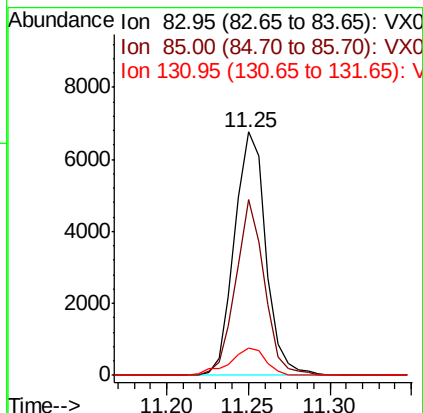
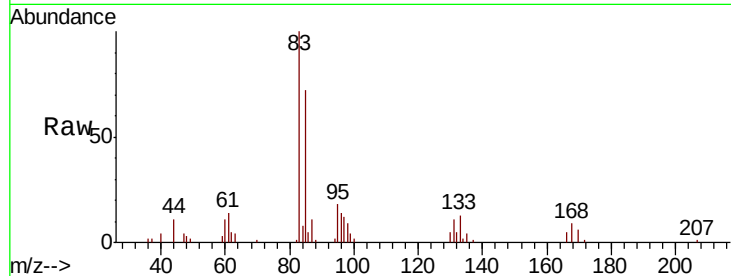




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.987 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

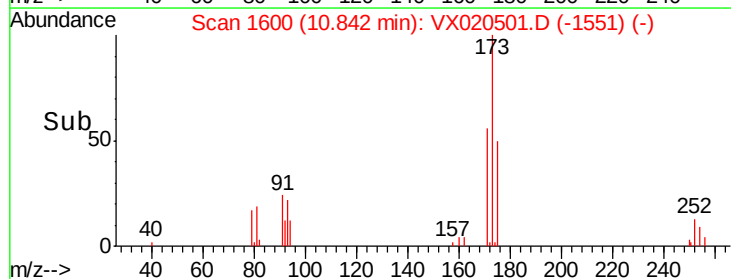
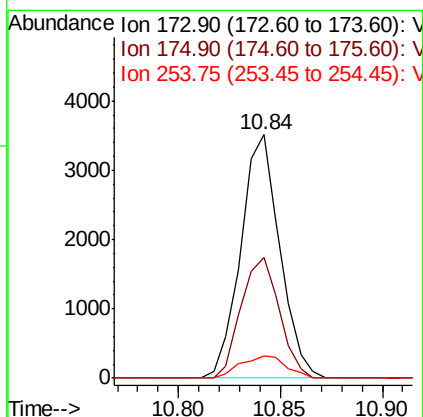
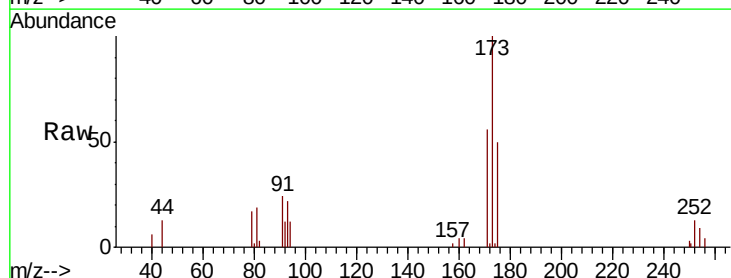
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

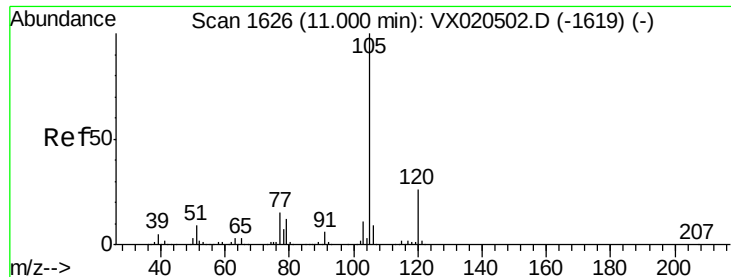
Tot Ion: 83 Resp: 9078
 Ion Ratio Lower Upper
 83 100
 85 72.4 44.6 82.8
 131 11.2 8.2 12.2



#59
 Bromoform
 Concen: 0.960 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion: 173 Resp: 4660
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.0 57.0
 254 10.6 8.8 13.2





#60

Isopropylbenzene

Concen: 0.794 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD001303

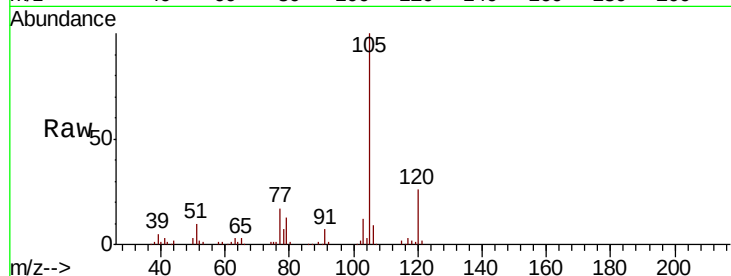
Tot Ion:105 Resp: 42633

Ion Ratio Lower Upper

105 100

120 25.5 21.1 31.7

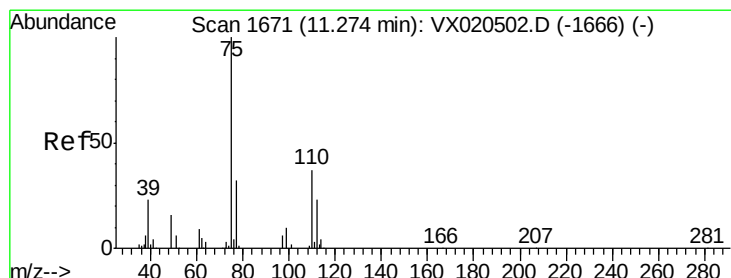
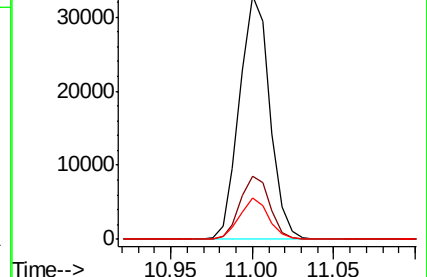
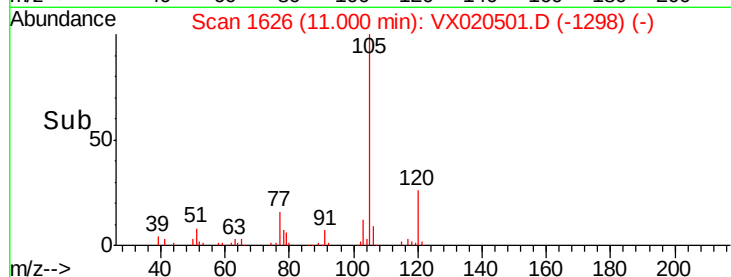
77 16.4 12.4 18.6



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: 1.056 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

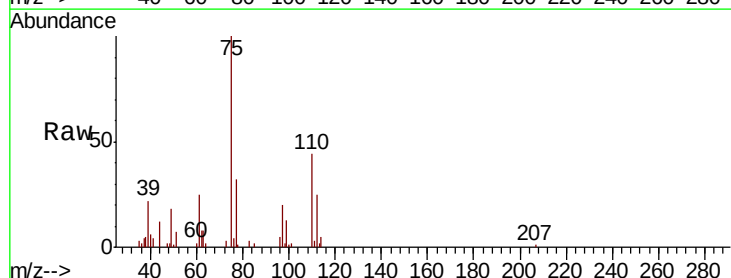
Tgt Ion: 75 Resp: 7001

Ion Ratio Lower Upper

75 100

77 33.3 26.3 39.5

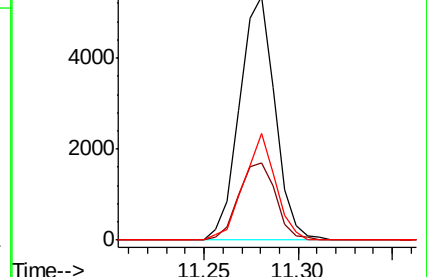
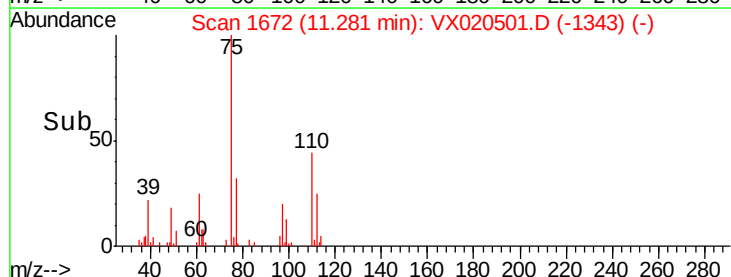
110 39.2 32.1 48.1

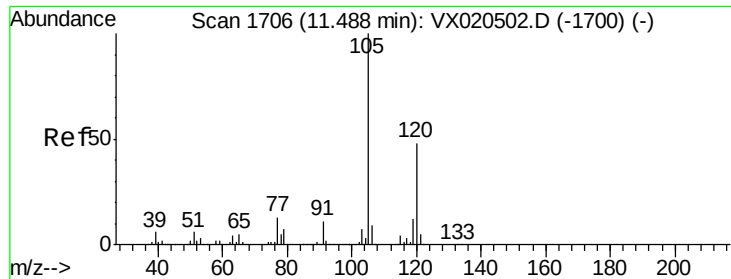


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

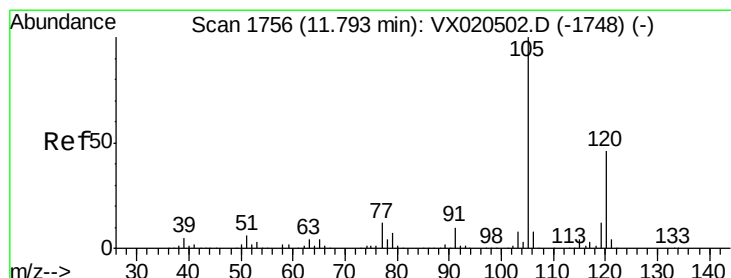
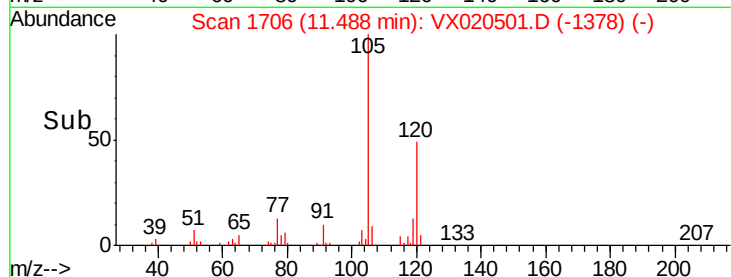
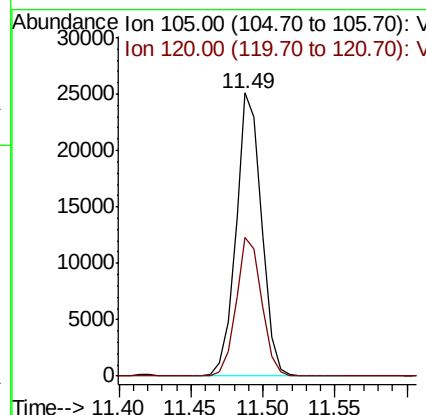
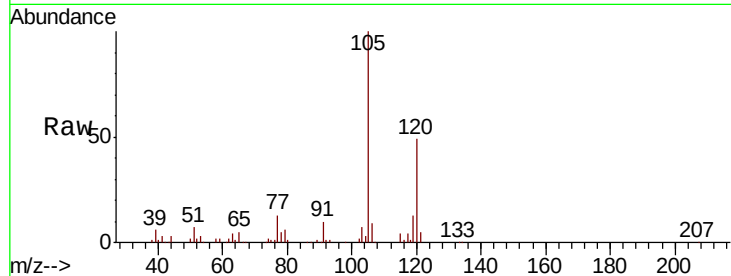




#62
 1,3,5-Trimethylbenzene
 Concen: 0.700 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

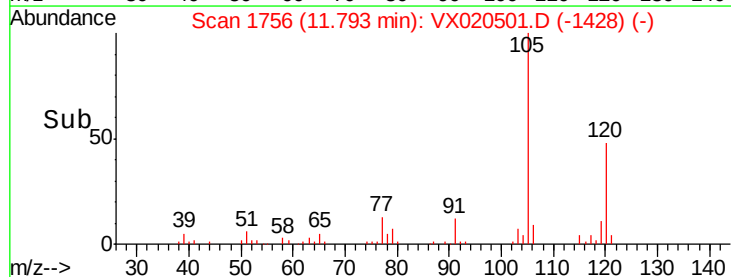
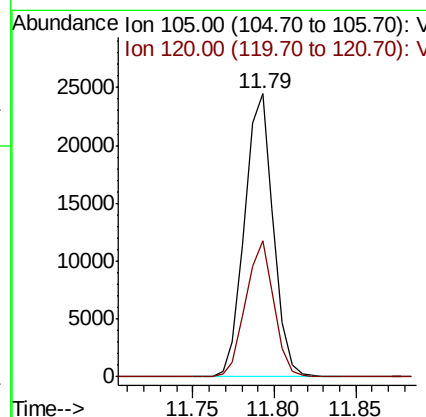
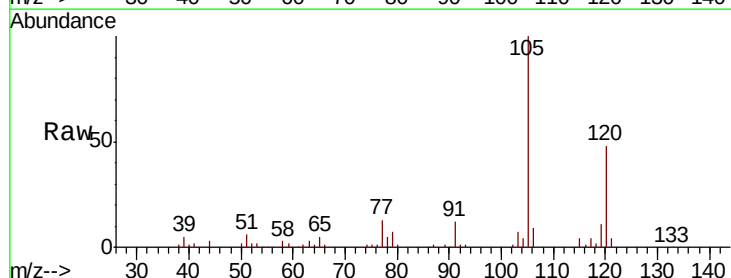
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

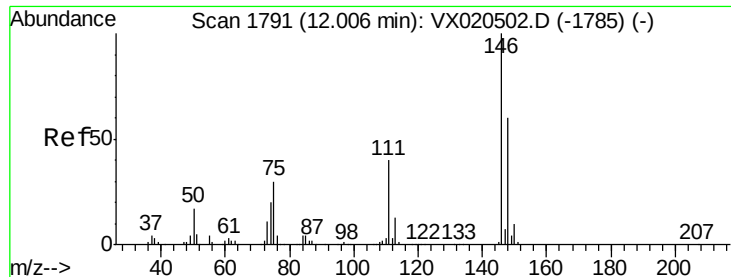
Tot Ion:105 Resp: 31164
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 0.664 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion:105 Resp: 29996
 Ion Ratio Lower Upper
 105 100
 120 47.1 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 0.905 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD001303

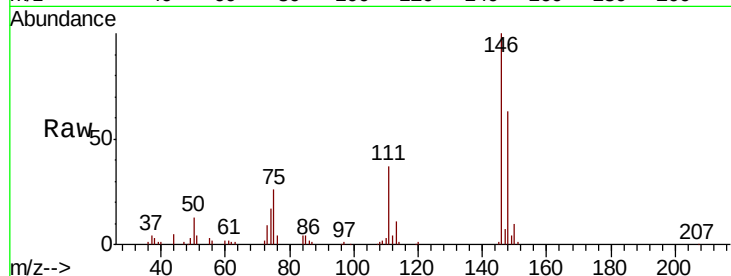
Tot Ion:146 Resp: 21836

Ion Ratio Lower Upper

146 100

111 37.2 28.2 52.4

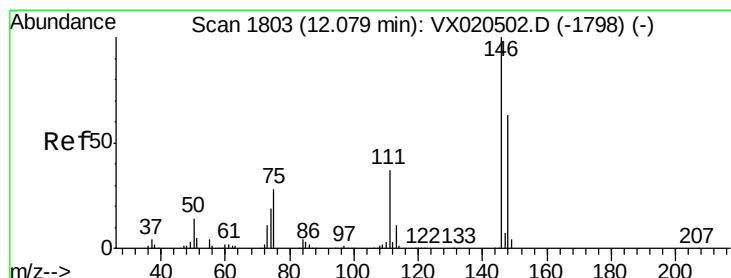
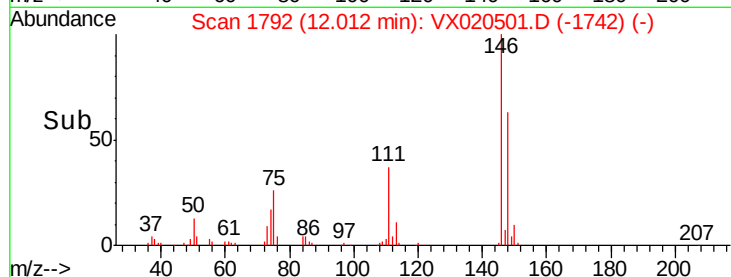
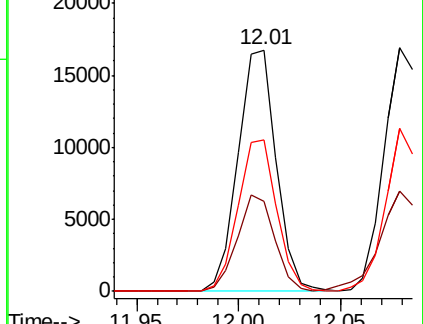
148 62.6 41.7 77.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.918 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

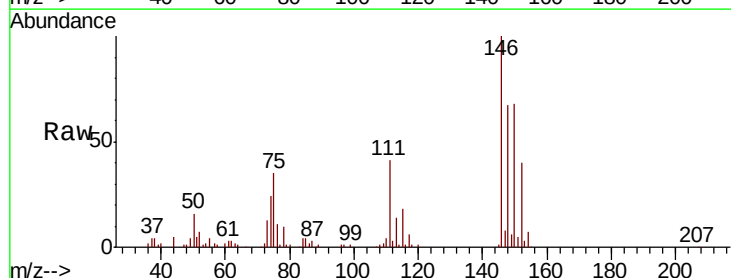
Tgt Ion:146 Resp: 22282

Ion Ratio Lower Upper

146 100

111 41.3 26.2 48.8

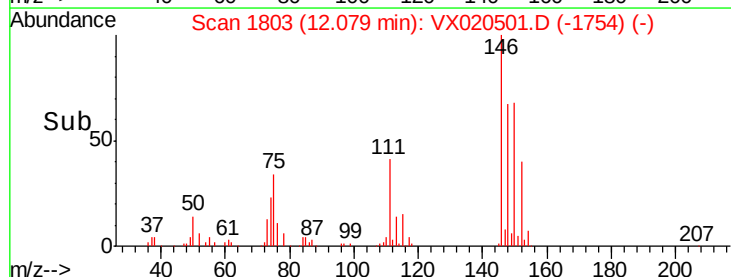
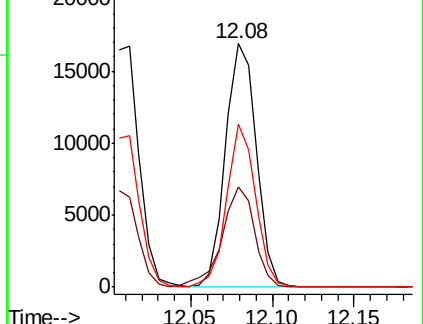
148 66.8 44.1 81.9

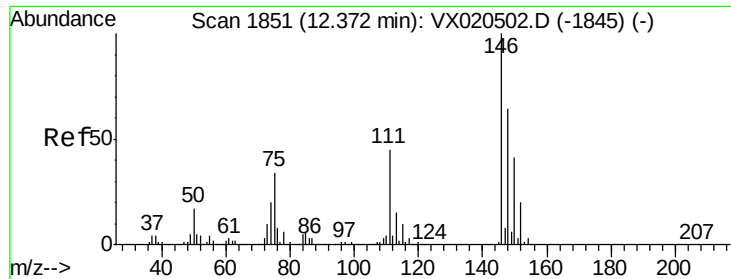


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

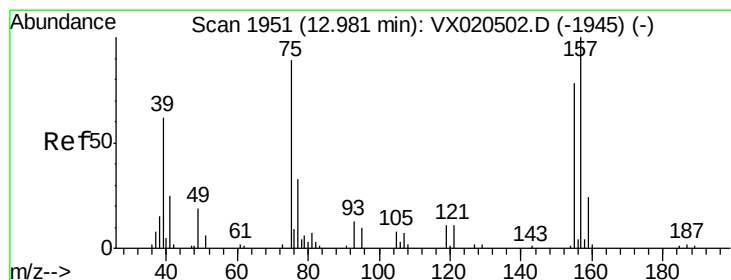
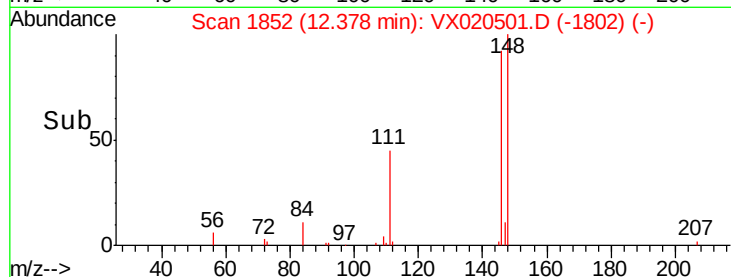
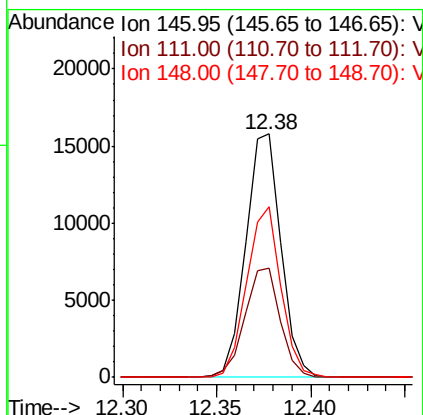
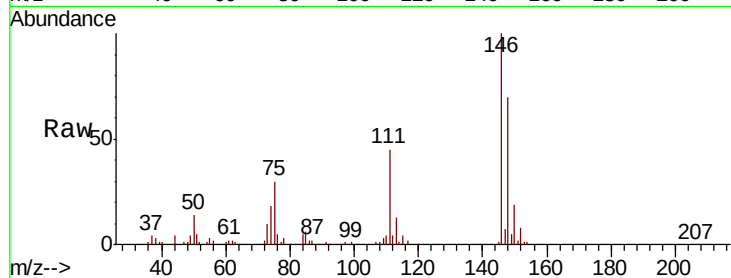




#67
 1,2-Dichlorobenzene
 Concen: 0.920 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

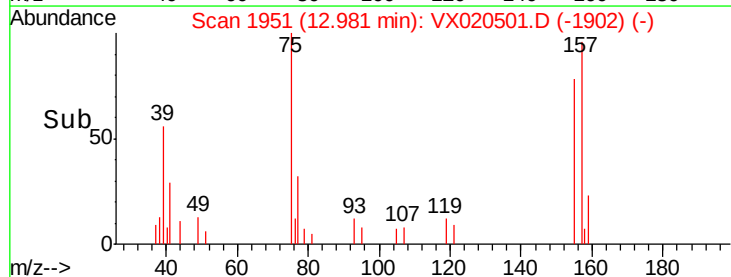
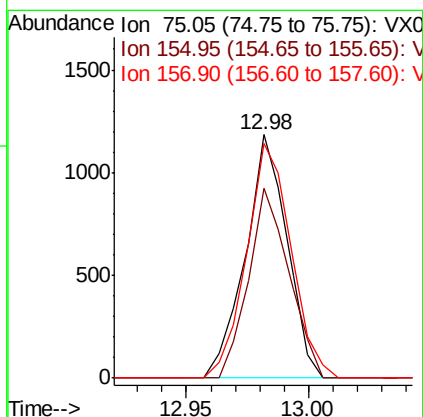
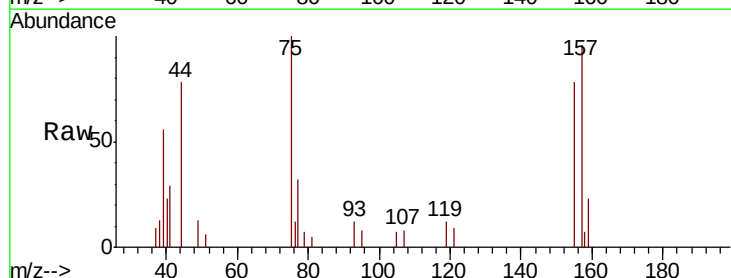
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

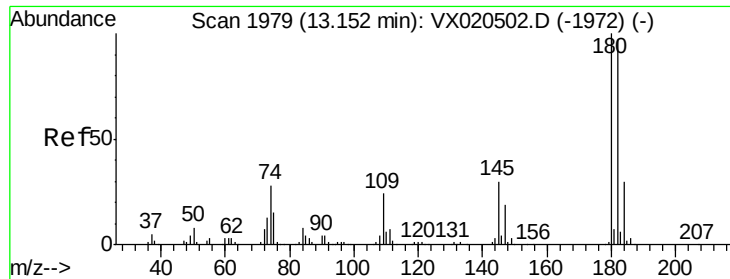
Tot Ion:146 Resp: 20415
 Ion Ratio Lower Upper
 146 100
 111 45.0 36.3 54.5
 148 70.1 51.5 77.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.943 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion: 75 Resp: 1406
 Ion Ratio Lower Upper
 75 100
 155 78.1 69.8 104.8
 157 96.1 90.0 135.0

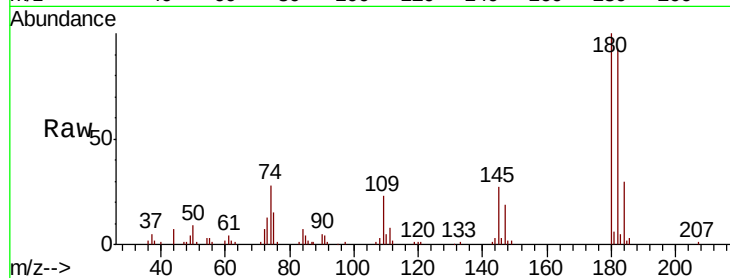




#69
 1,3,5-Trichlorobenzene
 Concen: 0.909 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001303

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.7	77.0	115.4
184	28.6	24.6	36.8
145	28.6	23.6	35.4



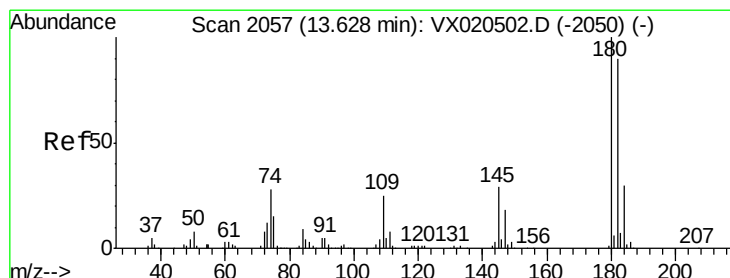
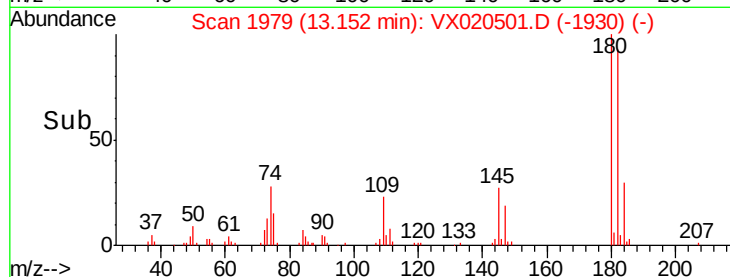
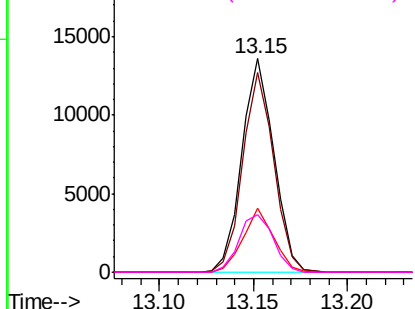
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

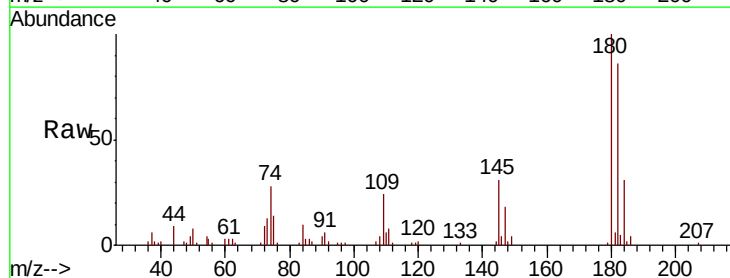
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 0.775 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX020501.D
 Acq: 05 Jan 2021 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.8	74.3	111.5
145	29.3	24.1	36.1

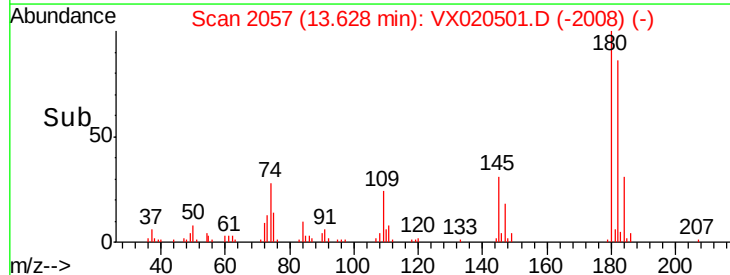
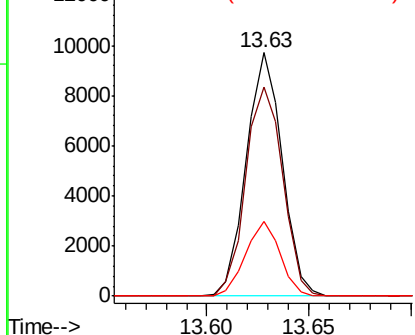


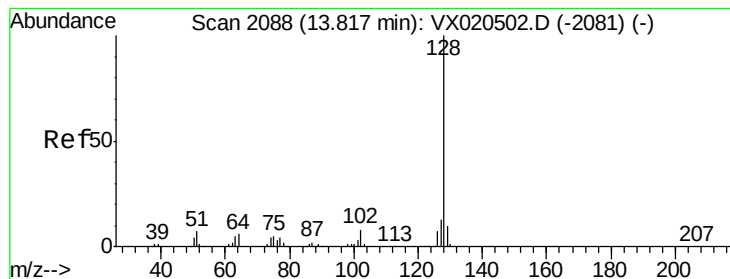
Abundance

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: 0.643 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTD001303

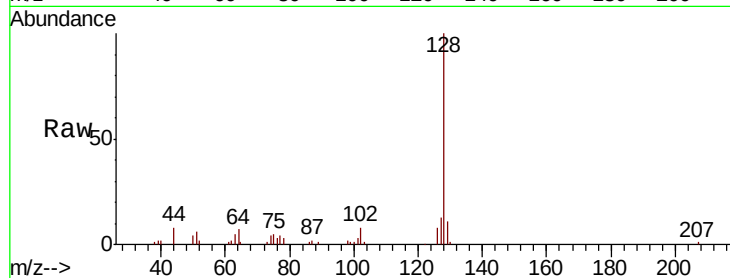
Tot Ion:128 Resp: 17258

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

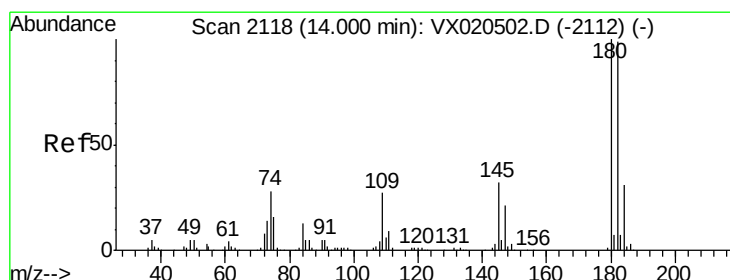
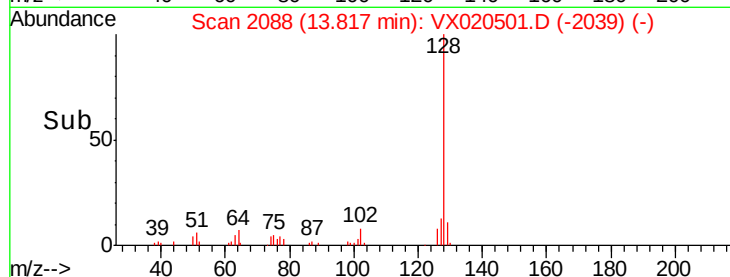
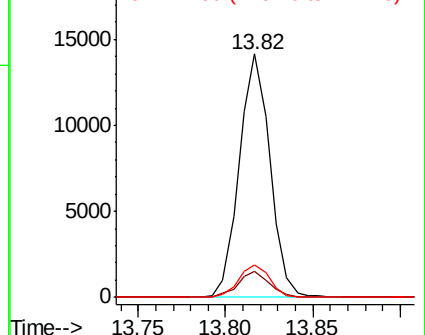
127 13.1 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 0.796 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX020501.D

Acq: 05 Jan 2021 16:31

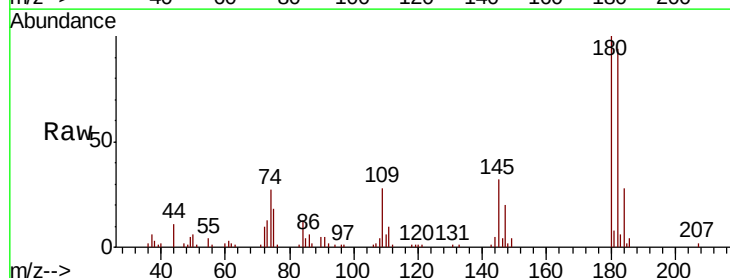
Tgt Ion:180 Resp: 10860

Ion Ratio Lower Upper

180 100

182 94.0 79.3 118.9

145 32.0 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

