

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092220\
 Data File : VX018528.D
 Acq On : 22 Sep 2020 18:42
 Operator : JC/SP
 Sample : VSTD00162
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001302

Quant Time: Sep 23 03:50:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 23 03:43:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	274120	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	261617	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	127635	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	16760	1.52	ug/L	0.00
7) Chloroethane-d5	1.70	69	13979	1.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	35029	1.62	ug/L	0.00
20) 2-Butanone-d5	4.57	46	36171	15.12	ug/L	0.01
24) Chloroform-d	5.14	84	36452	1.40	ug/L	-0.01
26) 1,2-Dichloroethane-d4	6.03	65	20905	1.34	ug/L	0.00
32) Benzene-d6	6.05	84	65368	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	19716	1.05	ug/L	0.00
41) Toluene-d8	8.70	98	63388	1.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	8200	1.03	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	28117	10.12	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	14706	1.06	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	21936	1.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	14159	0.578	ug/L 90
3) Chloromethane	1.31	50	12270	1.035	ug/L 96
5) Vinyl chloride	1.39	62	13562	1.102	ug/L 99
6) Bromomethane	1.64	94	8060	1.098	ug/L 99
8) Chloroethane	1.72	64	7147	1.079	ug/L 88
9) Trichlorofluoromethane	1.92	101	21140	0.882	ug/L 91
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	12555	1.161	ug/L 96
12) 1,1-Dichloroethene	2.36	96	11519	1.173	ug/L 94
13) Acetone	2.47	43	19285	13.881	ug/L 74
14) Carbon disulfide	2.55	76	37078	0.768	ug/L 95
15) Methyl Acetate	2.76	43	4598	0.949	ug/L 95
16) Methylene chloride	2.84	84	16718	0.918	ug/L 92
17) Methyl tert-butyl Ether	3.17	73	25521	0.700	ug/L 96
18) trans-1,2-Dichloroethene	3.14	96	12836	0.731	ug/L 91
19) 1,1-Dichloroethane	3.67	63	21220	0.732	ug/L 93
21) 2-Butanone	4.67	43	25491	10.707	ug/L 95
22) cis-1,2-Dichloroethene	4.56	96	12406	0.670	ug/L # 86
23) Bromochloromethane	4.98	128	6370	0.811	ug/L 95
25) Chloroform	5.18	83	23798	0.597	ug/L 90
27) 1,2-Dichloroethane	6.17	62	15348	0.861	ug/L 99
29) 1,1,1-Trichloroethane	5.47	97	22709	0.745	ug/L 96
30) Cyclohexane	5.55	56	16404	0.590	ug/L 94
31) Carbon tetrachloride	5.76	117	19074	0.720	ug/L 96
33) Benzene	6.11	78	42567	0.626	ug/L 100
34) Trichloroethene	7.19	95	12885	0.665	ug/L # 89
35) Methylcyclohexane	7.45	83	15904	0.505	ug/L 96
37) 1,2-Dichloropropane	7.49	63	12066	0.749	ug/L # 88
38) Bromodichloromethane	7.88	83	15002	0.656	ug/L 93
39) cis-1,3-Dichloropropene	8.42	75	16574	0.660	ug/L 94
40) 4-Methyl-2-pentanone	8.62	43	57267	7.172	ug/L 99

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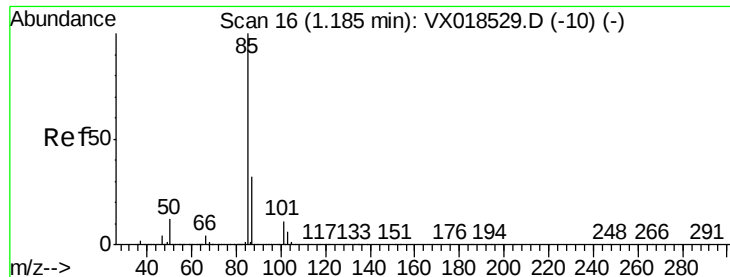
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.77	91	45105	0.610	ug/L	93
44) trans-1,3-Dichloropropene	9.02	75	14993	0.730	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	8737	0.731	ug/L	84
47) Tetrachloroethene	9.32	164	10104	0.657	ug/L	88
48) 2-Hexanone	9.48	43	42974	7.438	ug/L	96
49) Dibromochloromethane	9.57	129	10002	0.646	ug/L	99
50) 1,2-Dibromoethane	9.66	107	7555	0.660	ug/L #	88
51) Chlorobenzene	10.12	112	29906	0.608	ug/L	92
52) Ethylbenzene	10.24	91	47384	0.565	ug/L	94
53) m,p-xylene	10.34	106	17395	0.541	ug/L	90
54) o-xylene	10.68	106	15149	0.492	ug/L	83
55) Styrene	10.70	104	25396	0.498	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	8752	0.647	ug/L #	94
59) Bromoform	10.84	173	6136	0.785	ug/L #	88
60) Isopropylbenzene	11.00	105	40238	0.493	ug/L #	95
61) 1,2,3-Trichloropropane	11.27	75	7878	0.822	ug/L	96
62) 1,3,5-Trimethylbenzene	11.49	105	32609	0.483	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	31285	0.470	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	22744	0.587	ug/L	93
65) 1,4-Dichlorobenzene	12.08	146	24254	0.639	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	22217	0.649	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	2155	0.930	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.15	180	17453	0.615	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	12505	0.529	ug/L	95
71) Naphthalene	13.82	128	20165	0.503	ug/L	97
72) 1,2,3-Trichlorobenzene	14.00	180	12519	0.600	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.578 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

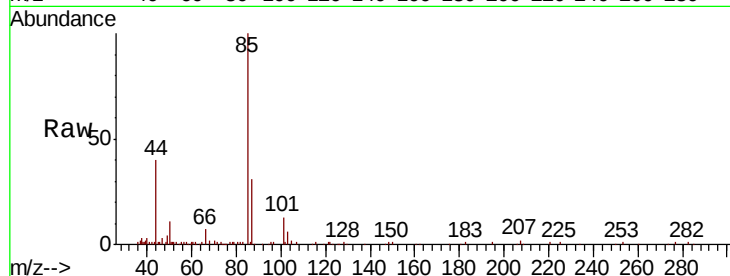
VSTD001302

Tot Ion: 85 Resp: 14159

Ion Ratio Lower Upper

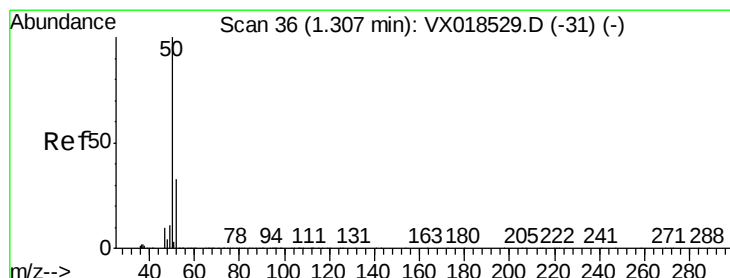
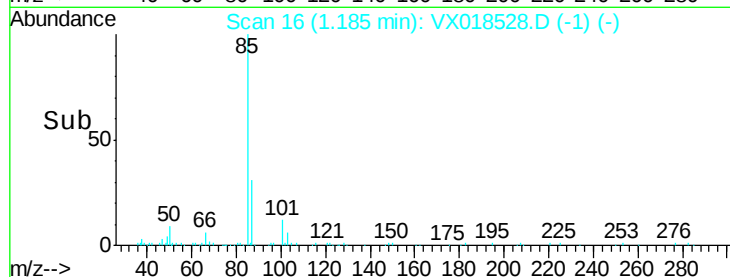
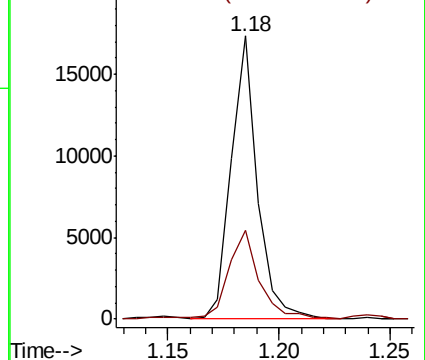
85 100

87 37.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 1.035 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX018528.D

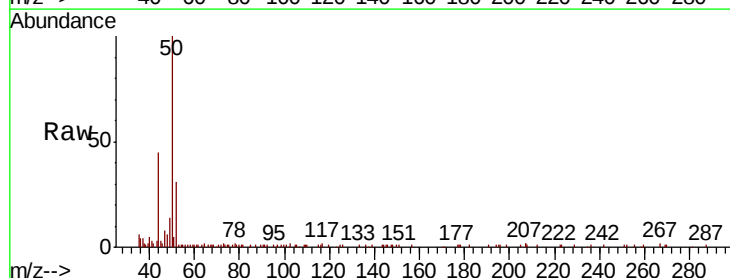
Acq: 22 Sep 2020 18:42

Tgt Ion: 50 Resp: 12270

Ion Ratio Lower Upper

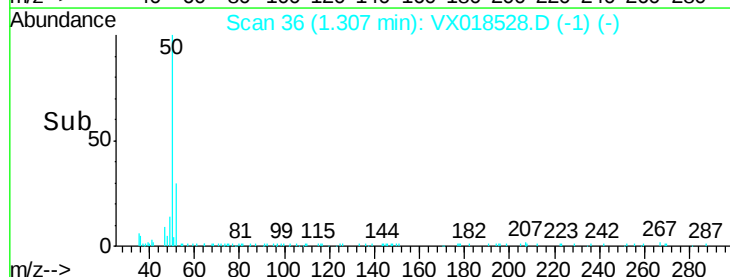
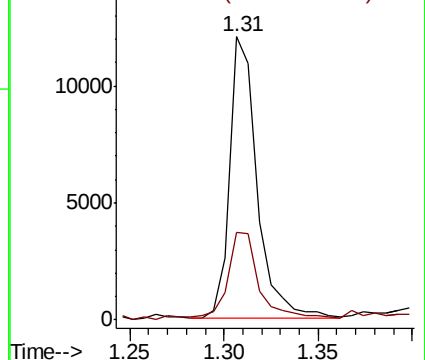
50 100

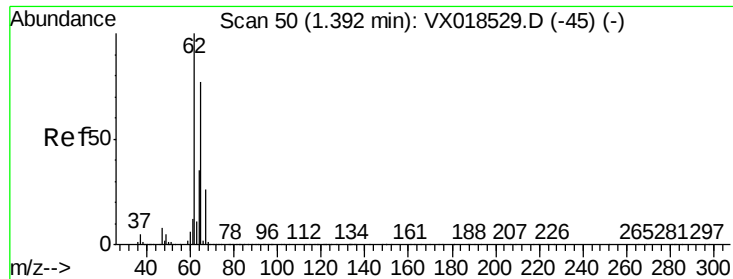
52 30.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 1.102 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

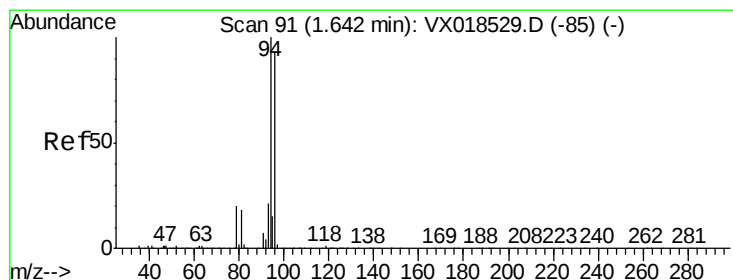
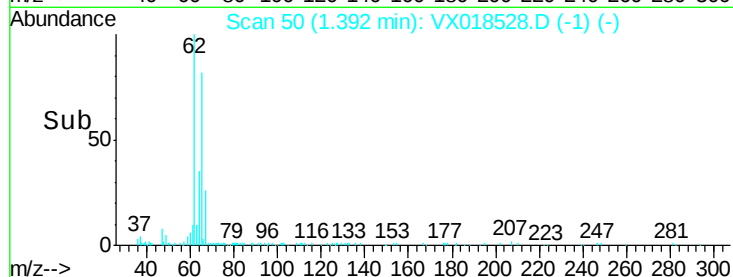
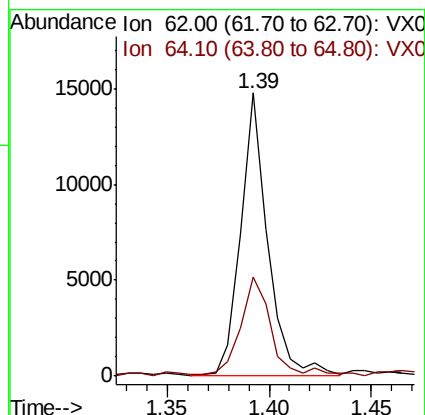
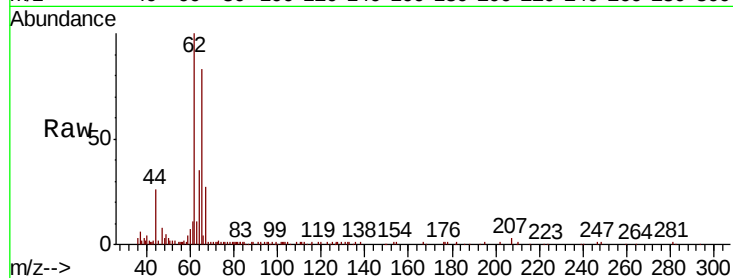
VSTD001302

Tot Ion: 62 Resp: 13562

Ion Ratio Lower Upper

62 100

64 35.1 24.8 46.0



#6

Bromomethane

Concen: 1.098 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018528.D

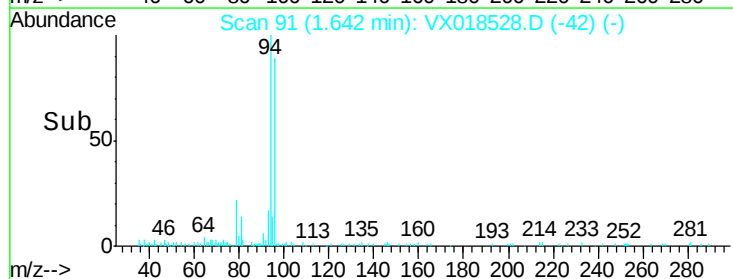
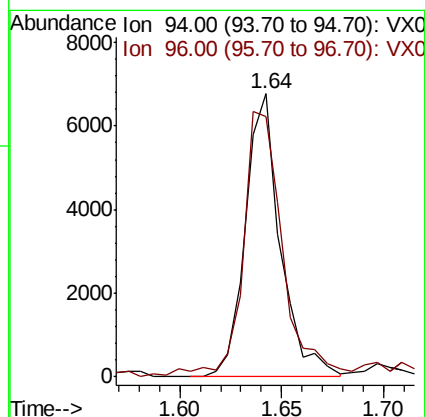
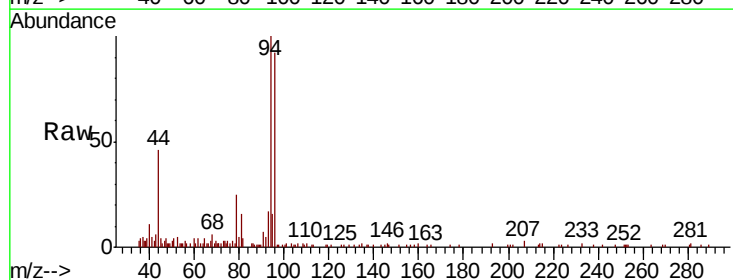
Acq: 22 Sep 2020 18:42

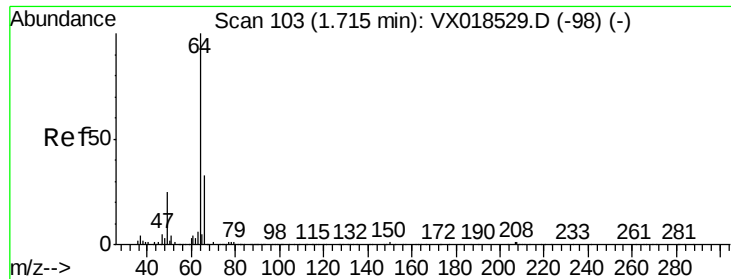
Tgt Ion: 94 Resp: 8060

Ion Ratio Lower Upper

94 100

96 91.8 65.2 121.2

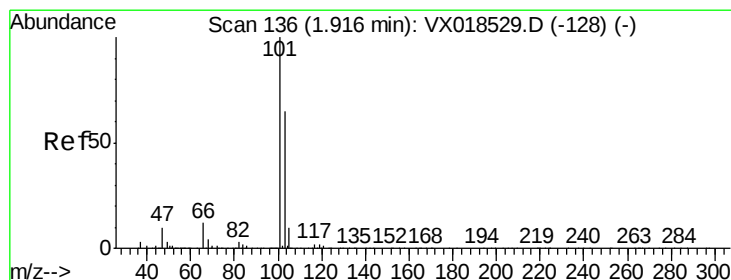
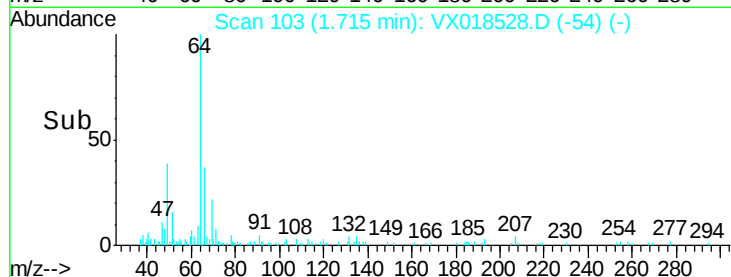
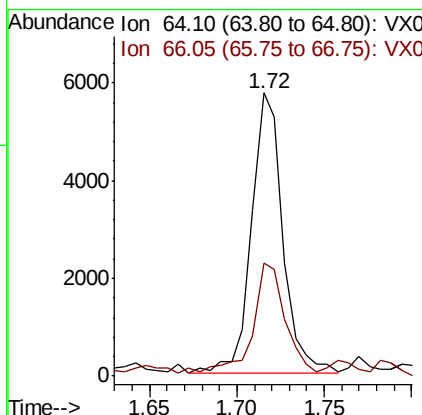
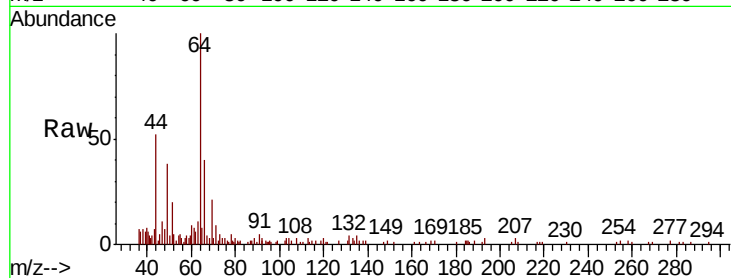




#8
Chloroethane
Concen: 1.079 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

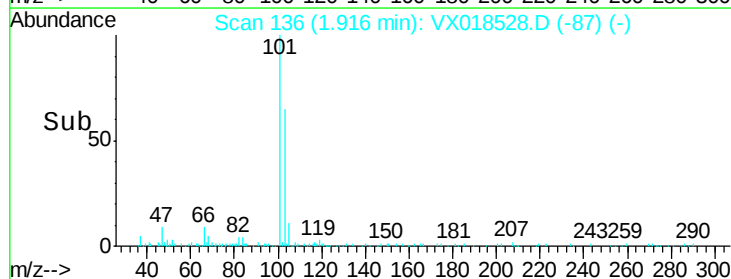
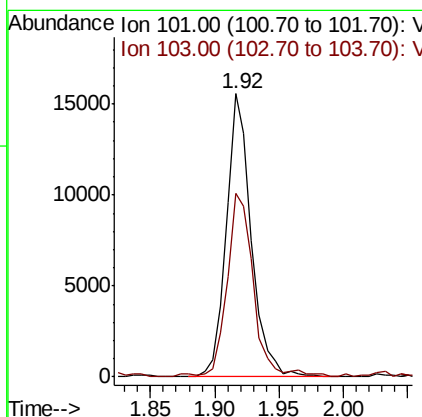
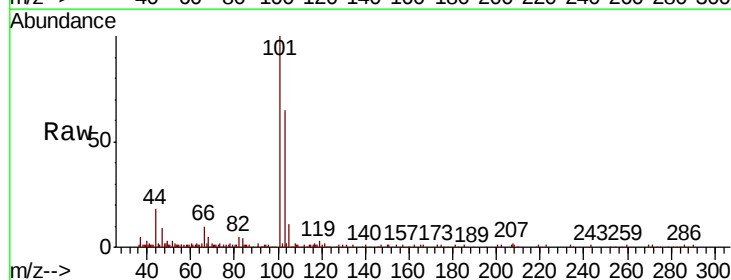
Instrument :
MSVOA_X
ClientSampleId :
VSTD001302

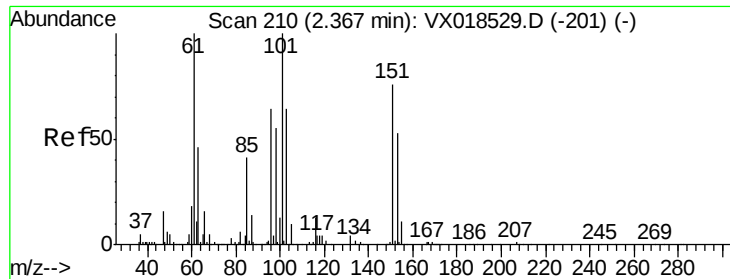
Tot Ion: 64 Resp: 7147
Ion Ratio Lower Upper
64 100
66 40.1 23.4 43.4



#9
Trichlorofluoromethane
Concen: 0.882 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Tgt Ion: 101 Resp: 21140
Ion Ratio Lower Upper
101 100
103 69.3 50.2 75.2





#10

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

Concen: 1.161 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD001302

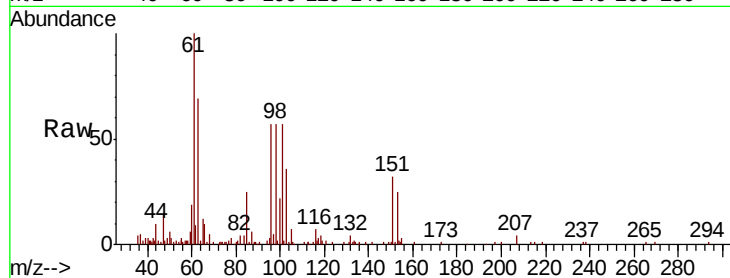
Tot Ion:101 Resp: 12555

Ion Ratio Lower Upper

101 100

85 49.4 35.9 53.9

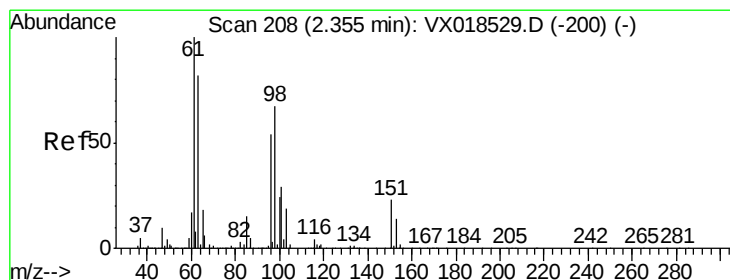
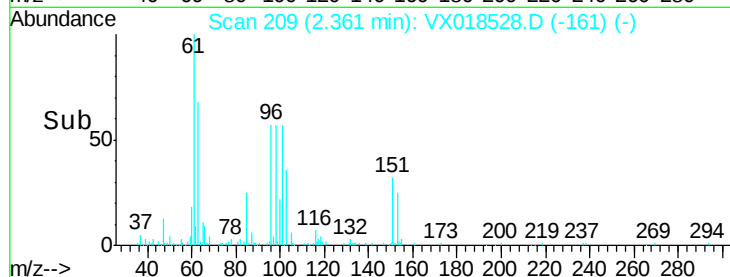
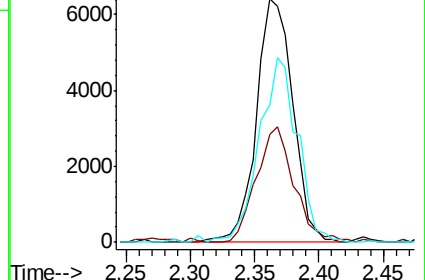
151 79.8 62.4 93.6



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: 1.173 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

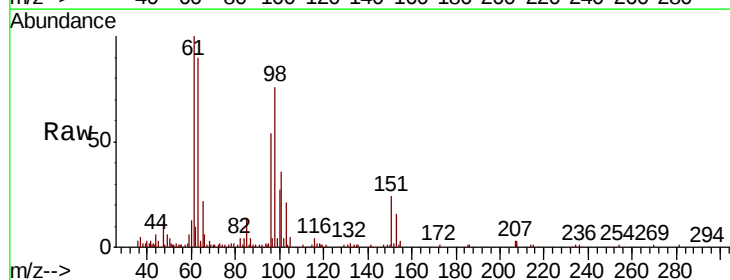
Tgt Ion: 96 Resp: 11519

Ion Ratio Lower Upper

96 100

61 185.3 128.9 239.3

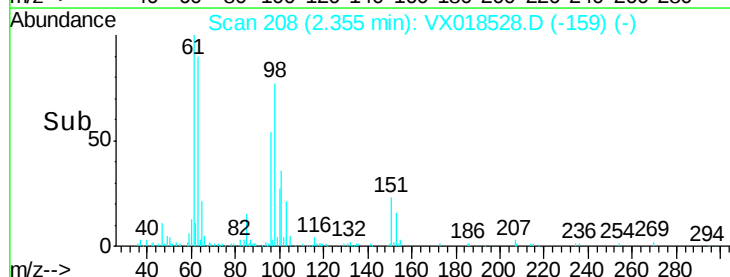
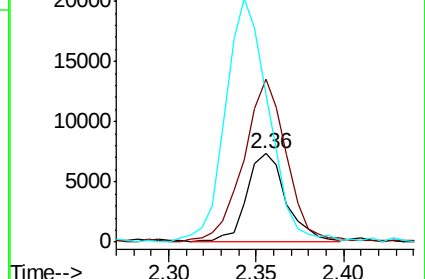
63 167.3 105.6 196.2

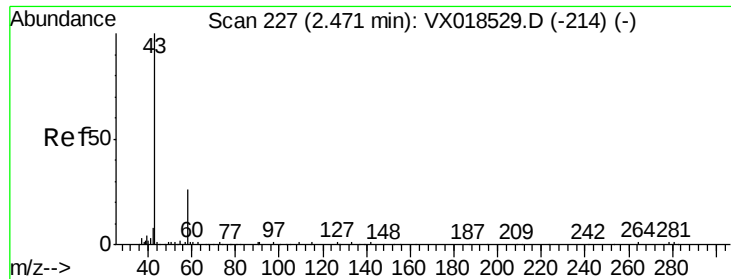


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 13.881 ug/L

RT: 2.47 min Scan# 226

Delta R.T. -0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

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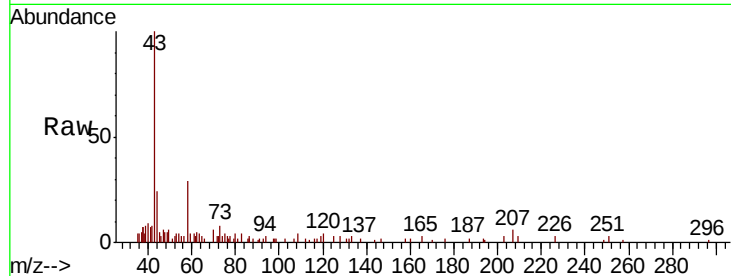
VSTD001302

Tot Ion: 43 Resp: 19285

Ion Ratio Lower Upper

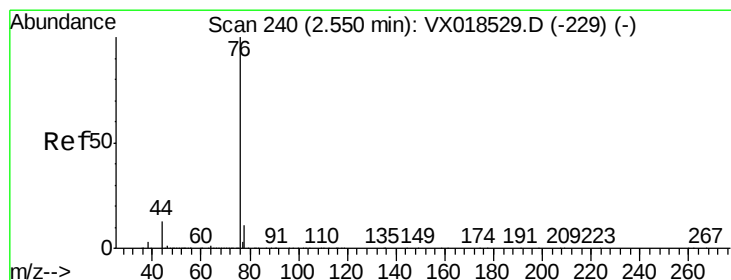
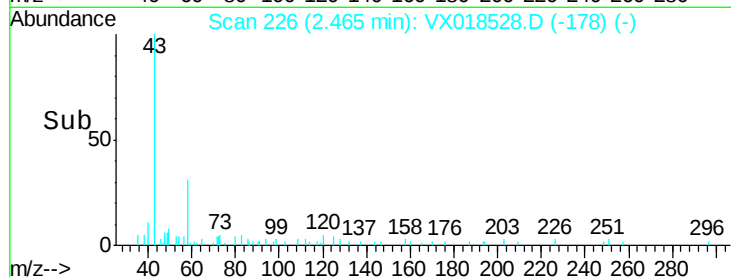
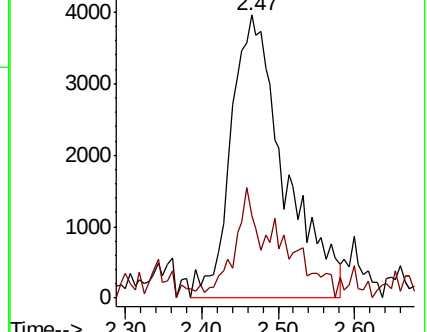
43 100

58 15.2 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.768 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018528.D

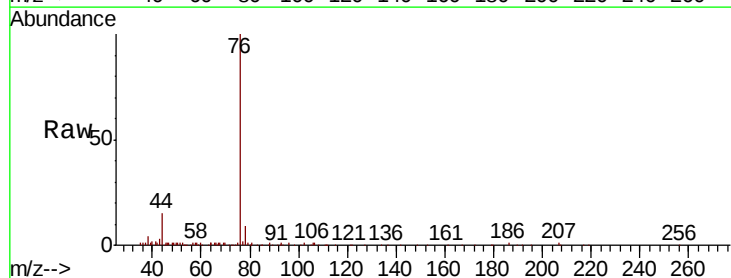
Acq: 22 Sep 2020 18:42

Tgt Ion: 76 Resp: 37078

Ion Ratio Lower Upper

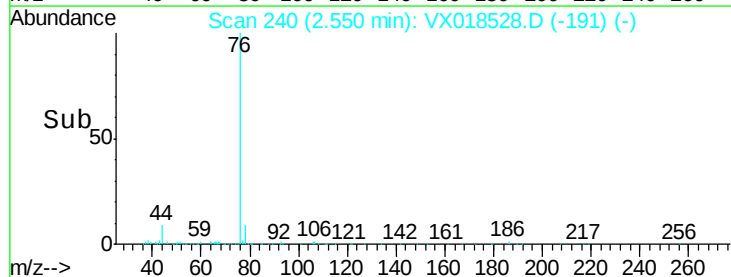
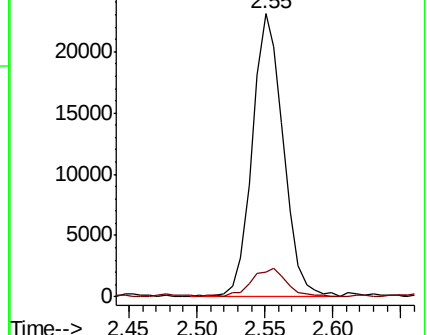
76 100

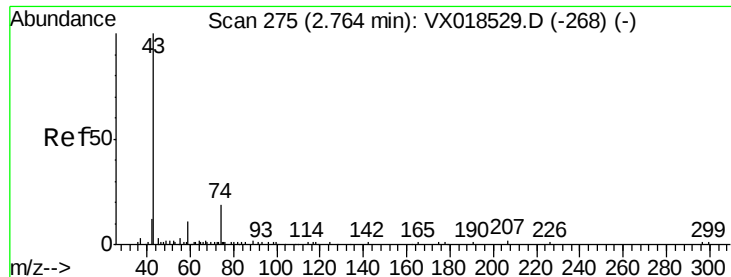
78 8.9 8.5 12.7



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 0.949 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

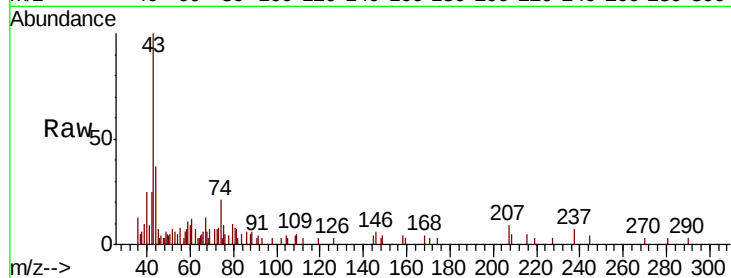
VSTD001302

Tot Ion: 43 Resp: 4598

Ion Ratio Lower Upper

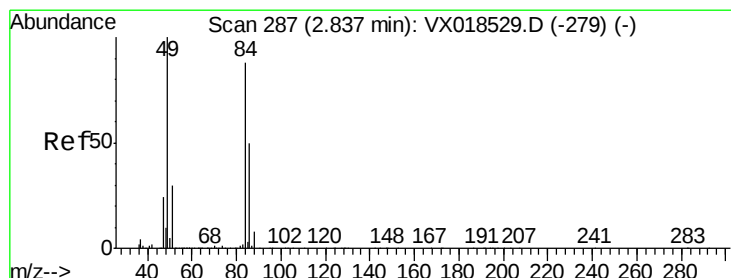
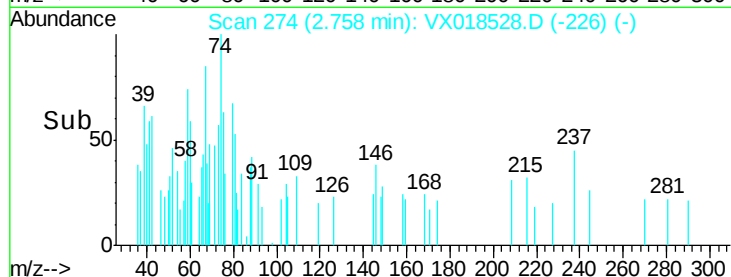
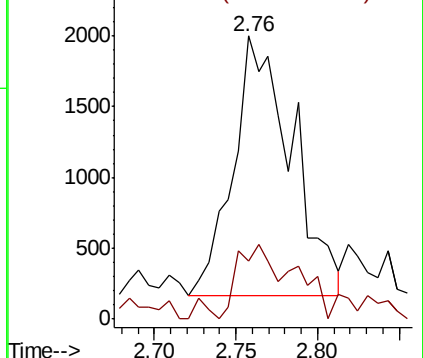
43 100

74 17.4 15.8 23.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 0.918 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

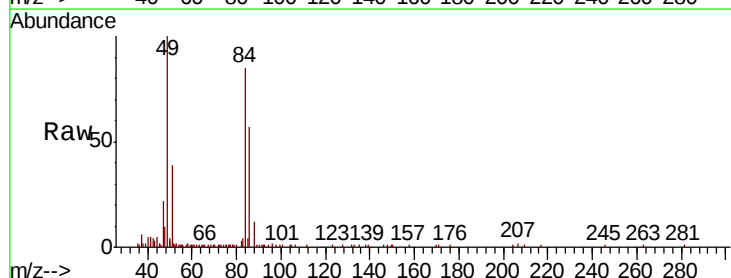
Tgt Ion: 84 Resp: 16718

Ion Ratio Lower Upper

84 100

86 67.7 39.8 74.0

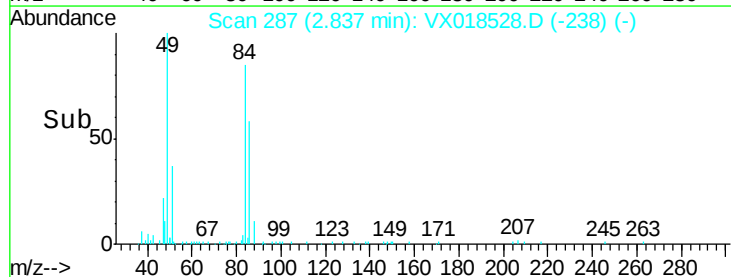
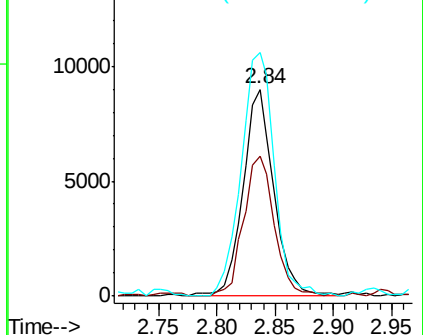
49 117.8 79.5 147.6

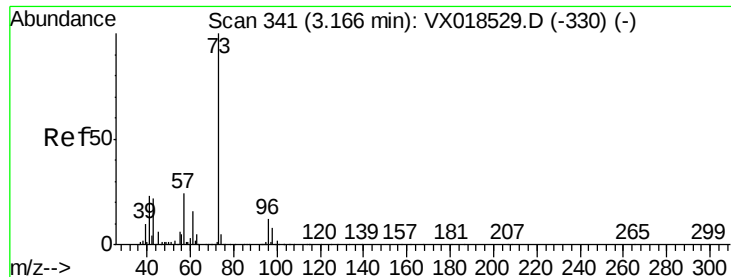


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

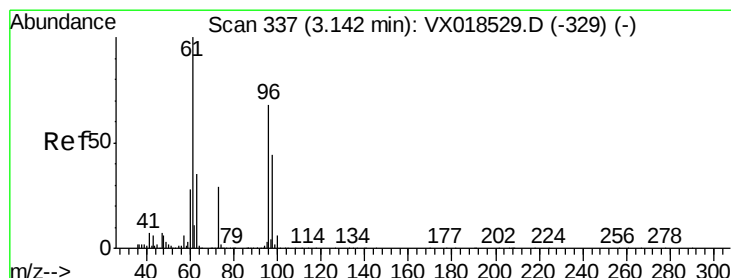
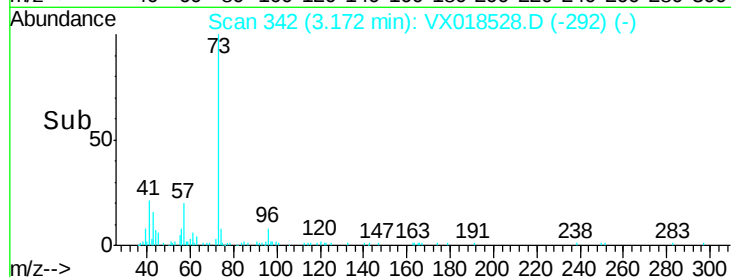
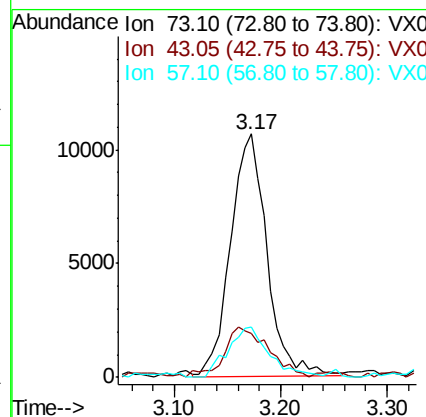
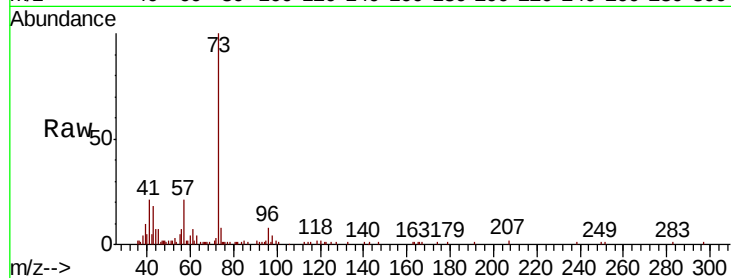




#17
Methvl tert-butvl Ether
Concen: 0.700 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

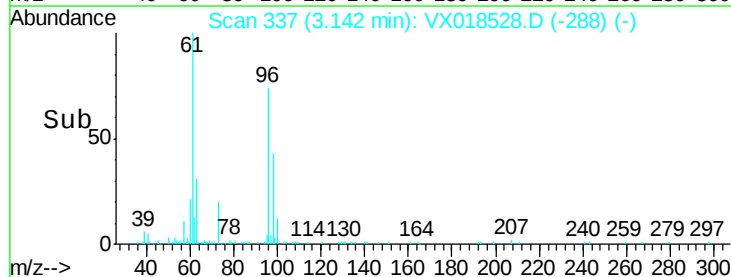
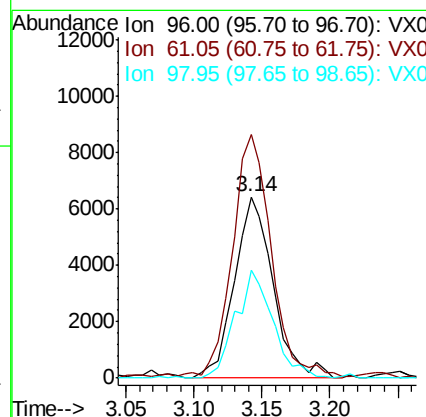
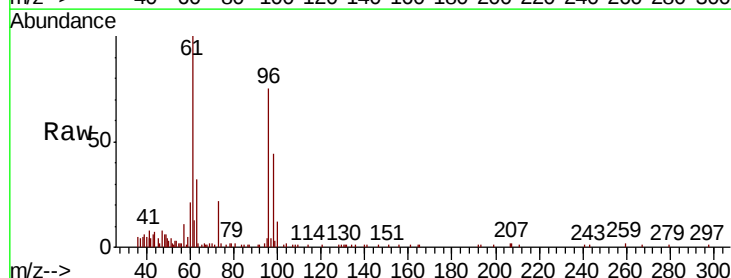
Instrument :
MSVOA_X
ClientSampleId :
VSTD001302

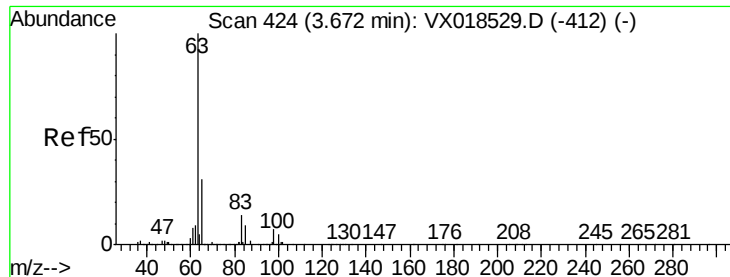
Tot Ion: 73 Resp: 25521
Ion Ratio Lower Upper
73 100
43 25.2 18.3 27.5
57 23.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.731 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Tgt Ion: 96 Resp: 12836
Ion Ratio Lower Upper
96 100
61 134.2 102.6 190.6
98 59.7 45.2 84.0





#19

1,1-Dichloroethane

Concen: 0.732 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampled :

VSTD001302

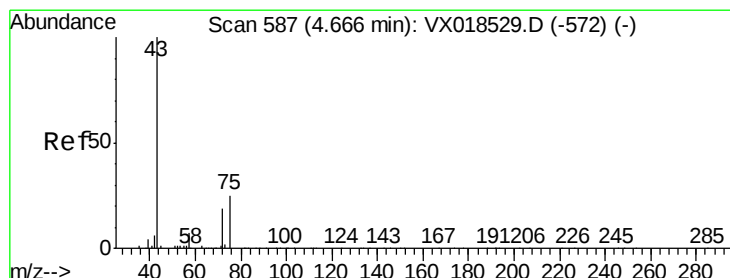
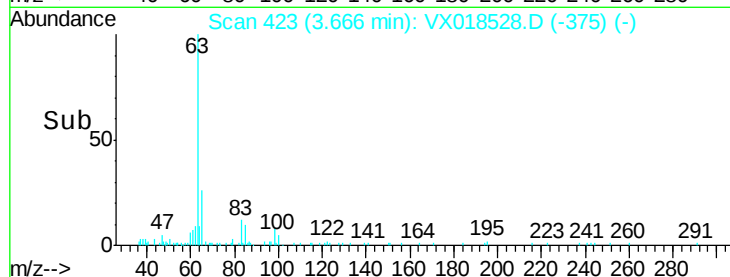
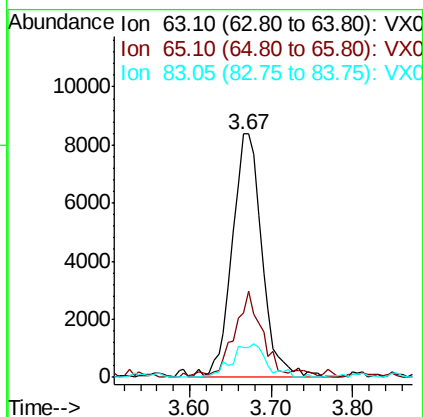
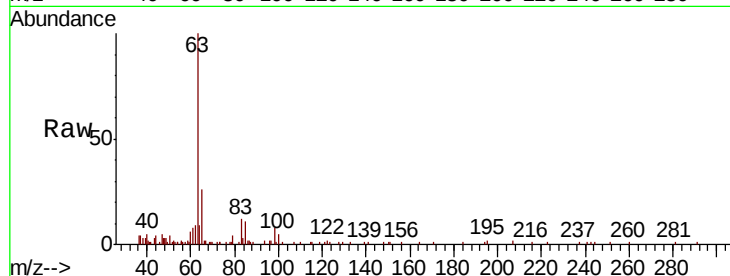
Tot Ion: 63 Resp: 21220

Ion Ratio Lower Upper

63 100

65 26.5 21.7 40.3

83 12.4 10.0 18.6



#21

2-Butanone

Concen: 10.707 ug/L

RT: 4.67 min Scan# 588

Delta R.T. 0.01 min

Lab File: VX018528.D

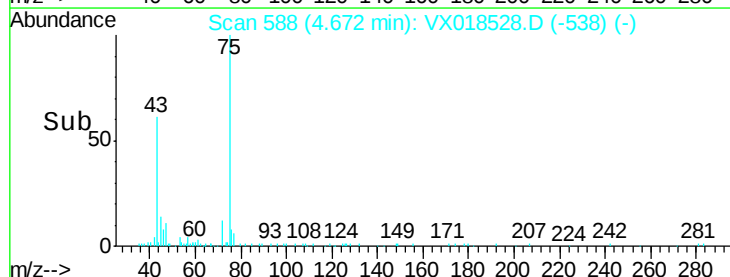
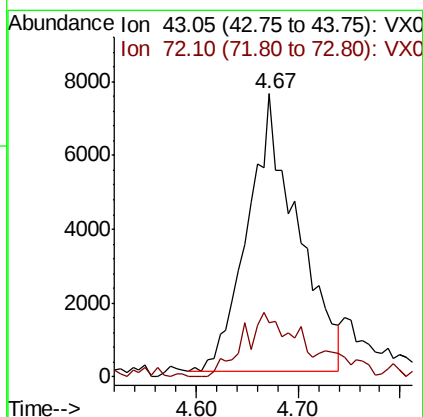
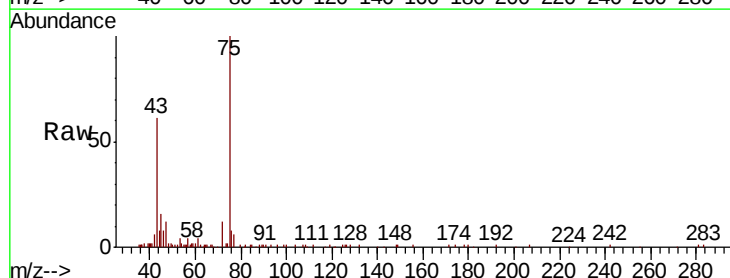
Acq: 22 Sep 2020 18:42

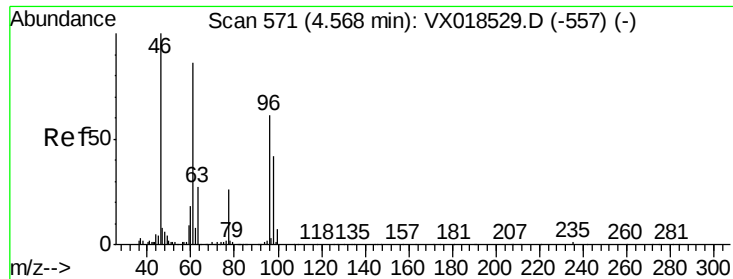
Tgt Ion: 43 Resp: 25491

Ion Ratio Lower Upper

43 100

72 23.6 13.0 38.9



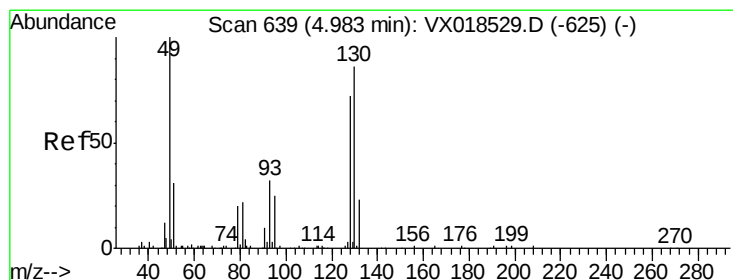
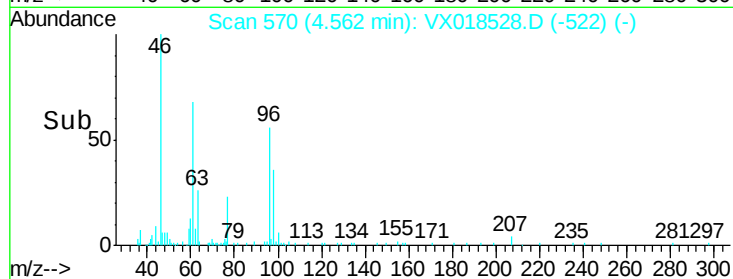
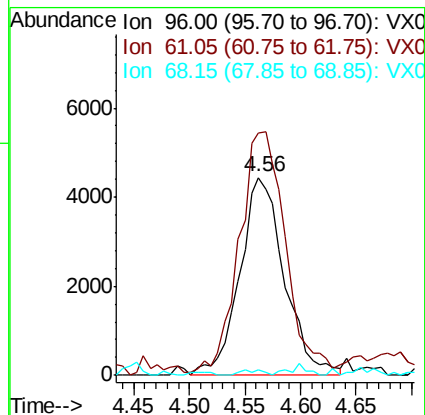
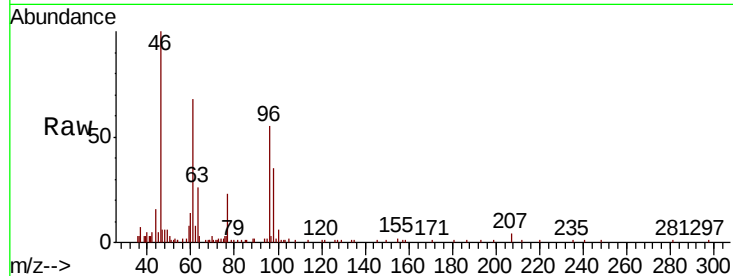


#22

cis-1,2-Dichloroethene
Concen: 0.670 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTD001302

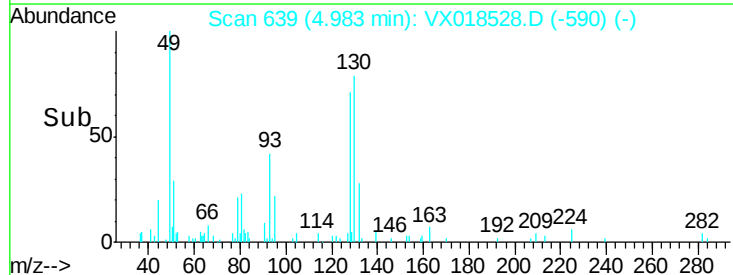
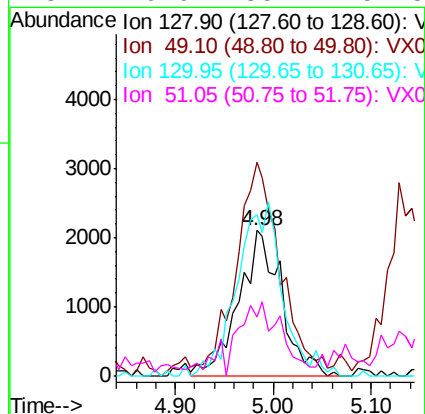
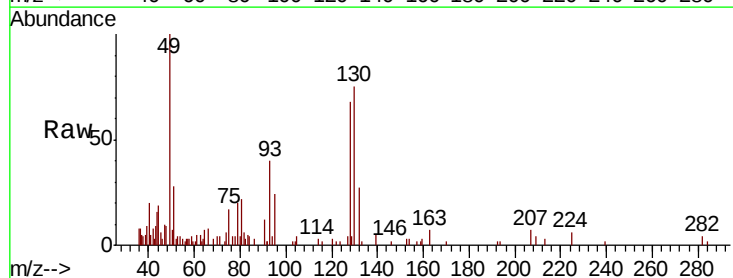
Tot Ion: 96 Resp: 12406
Ion Ratio Lower Upper
96 100
61 122.2 97.5 181.1
68 2.8 0.0 0.0#

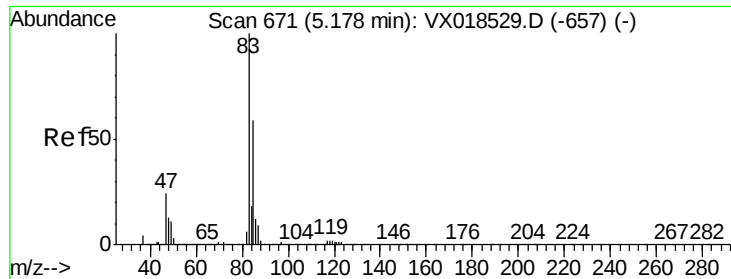


#23

Bromochloromethane
Concen: 0.811 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Tgt Ion: 128 Resp: 6370
Ion Ratio Lower Upper
128 100
49 146.9 99.6 185.0
130 110.7 83.6 155.2
51 40.9 35.2 52.8





#25

Chloroform

Concen: 0.597 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

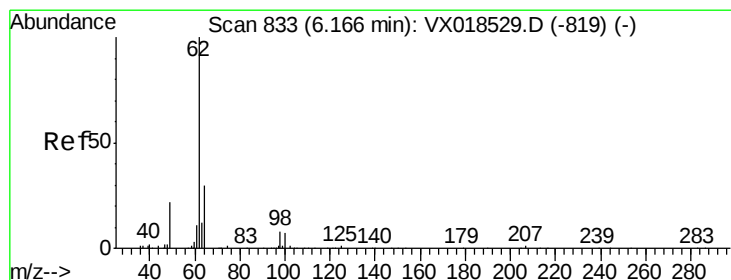
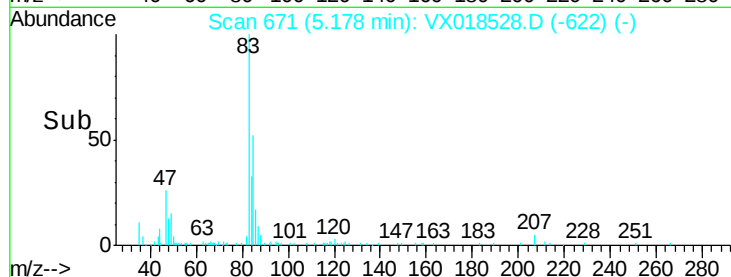
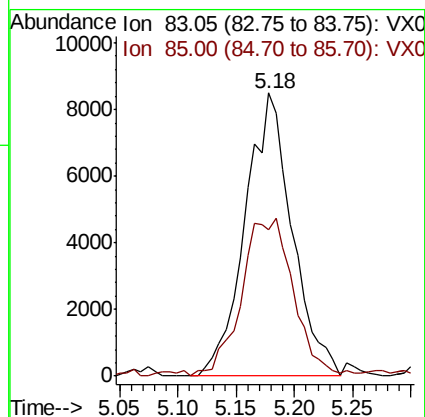
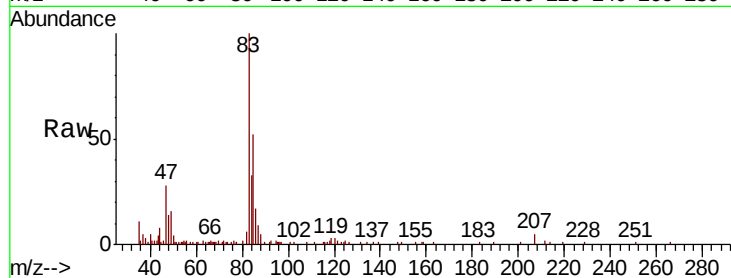
VSTD001302

Tot Ion: 83 Resp: 23798

Ion Ratio Lower Upper

83 100

85 51.9 41.6 77.3



#27

1,2-Dichloroethane

Concen: 0.861 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018528.D

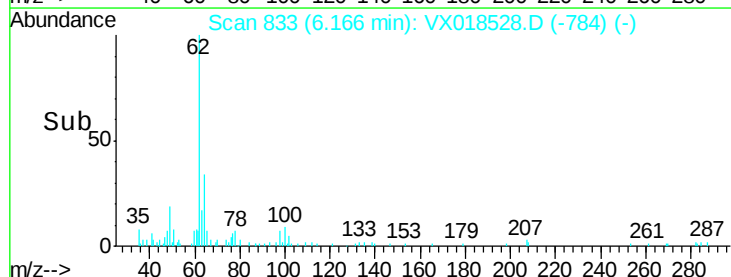
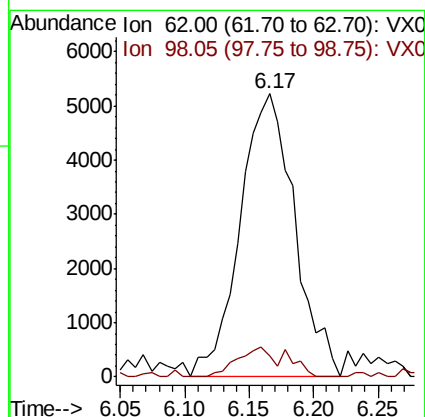
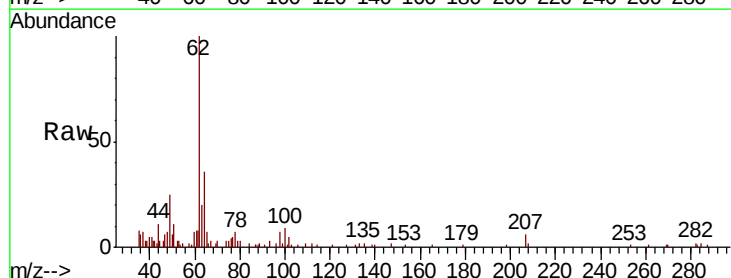
Acq: 22 Sep 2020 18:42

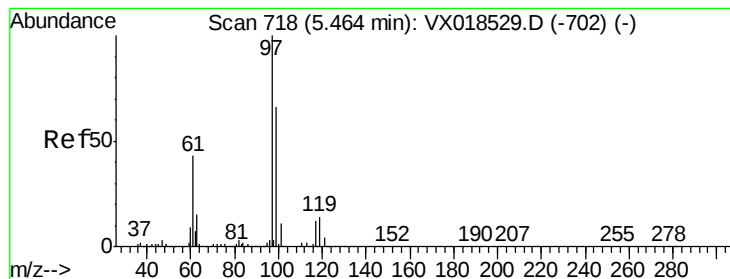
Tgt Ion: 62 Resp: 15348

Ion Ratio Lower Upper

62 100

98 7.3 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 0.745 ug/L

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD001302

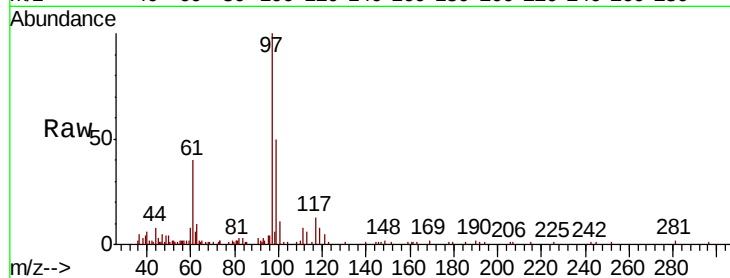
Tot Ion: 97 Resp: 22709

Ion Ratio Lower Upper

97 100

99 62.0 53.6 80.4

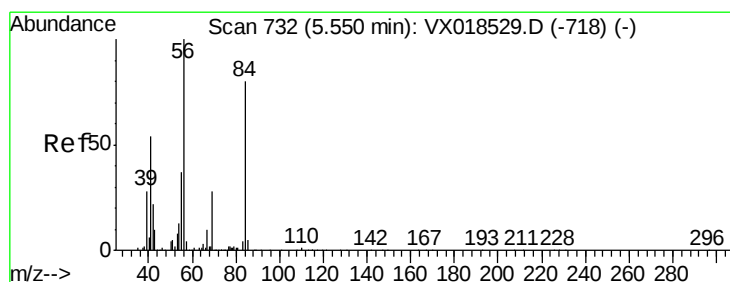
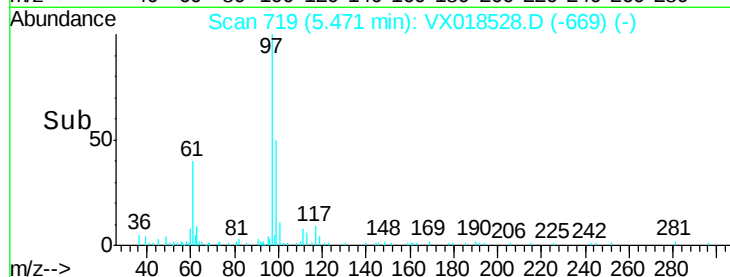
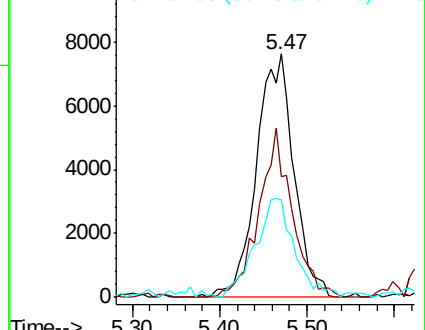
61 43.0 34.8 52.2



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: 0.590 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

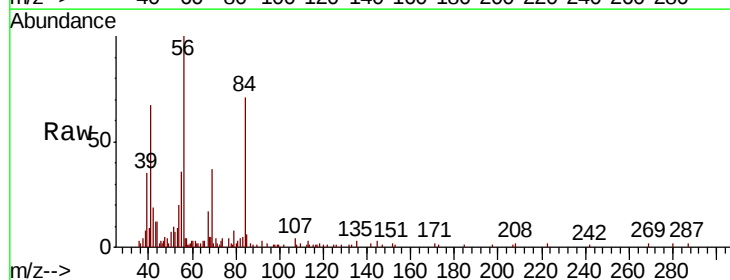
Tgt Ion: 56 Resp: 16404

Ion Ratio Lower Upper

56 100

69 35.1 24.7 37.1

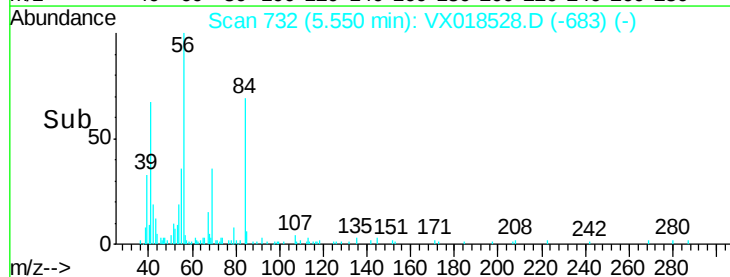
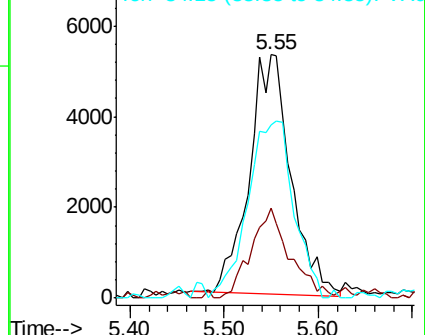
84 81.1 68.6 103.0

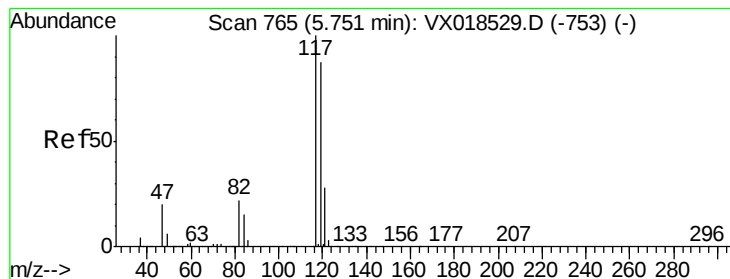


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 0.720 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

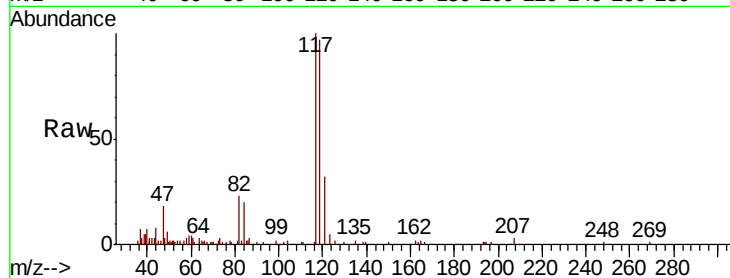
VSTD001302

Tot Ion:117 Resp: 19074

Ion Ratio Lower Upper

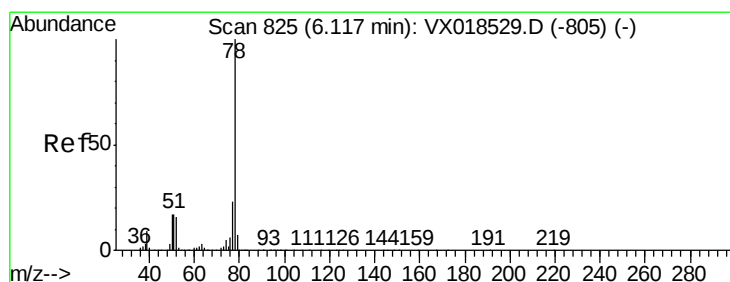
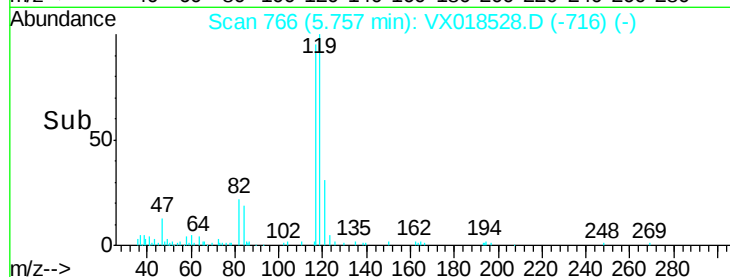
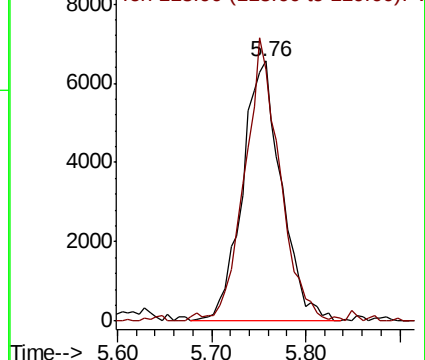
117 100

119 93.6 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.626 ug/L

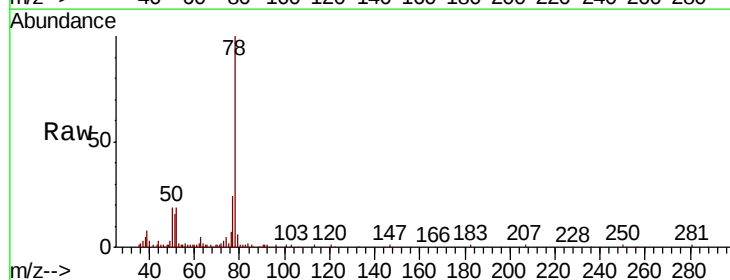
RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

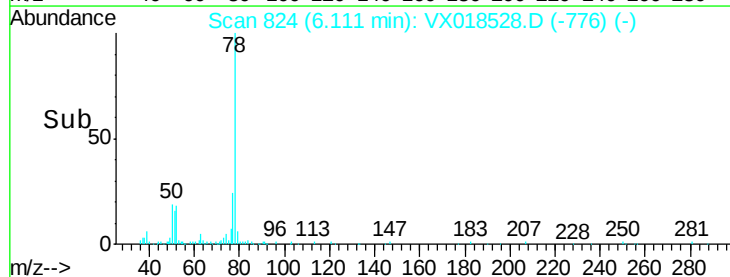
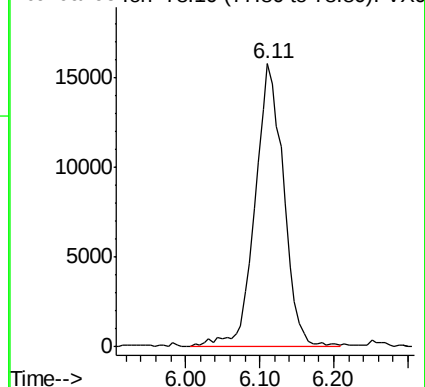
Lab File: VX018528.D

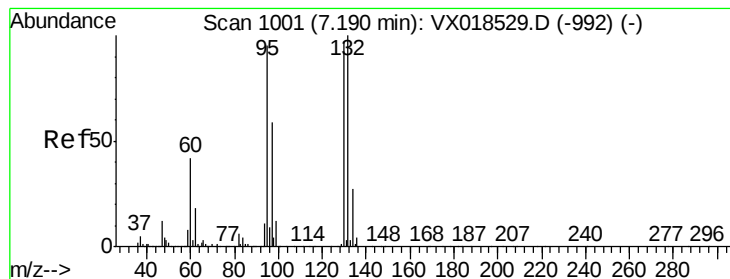
Acq: 22 Sep 2020 18:42

Tgt Ion: 78 Resp: 42567



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 0.665 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD001302

Tot Ion: 95 Resp: 12885

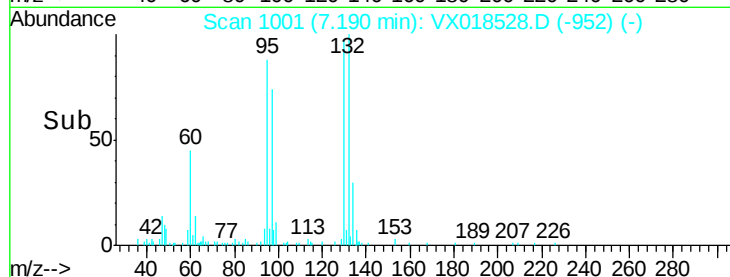
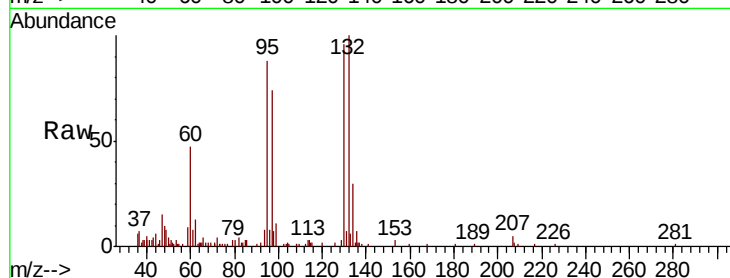
Ion Ratio Lower Upper

95 100

97 83.8 44.0 81.8#

132 113.2 74.1 137.7

130 108.8 71.7 133.1

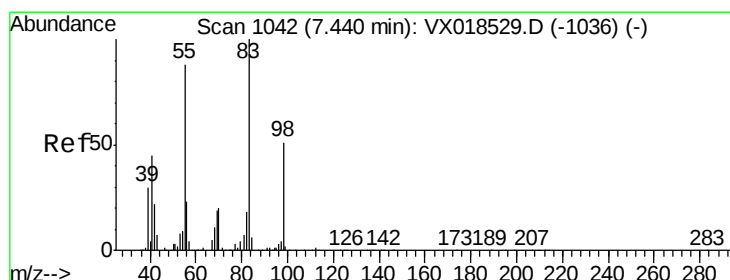
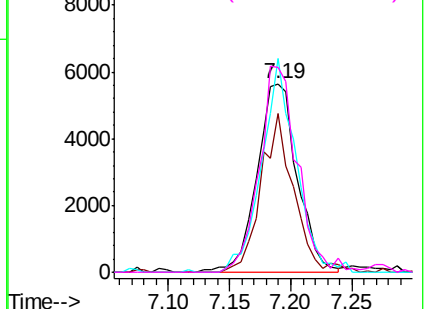


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.505 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

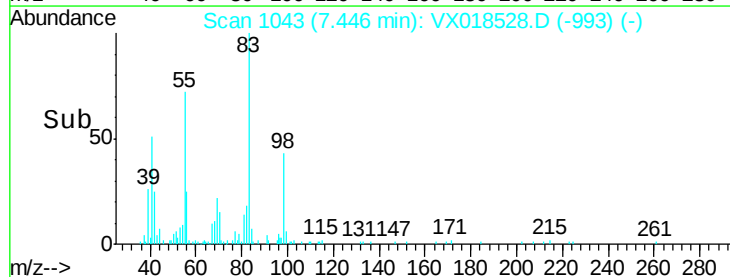
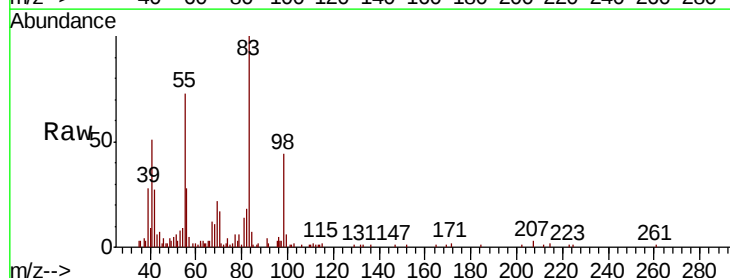
Tgt Ion: 83 Resp: 15904

Ion Ratio Lower Upper

83 100

55 78.5 65.7 98.5

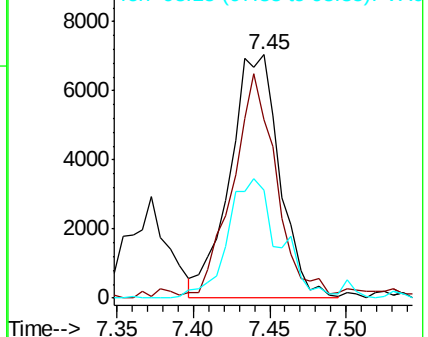
98 50.7 37.8 56.8

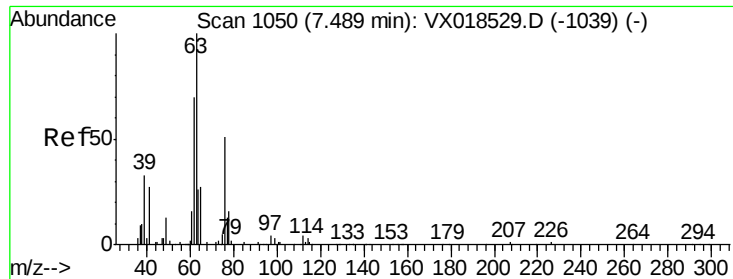


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

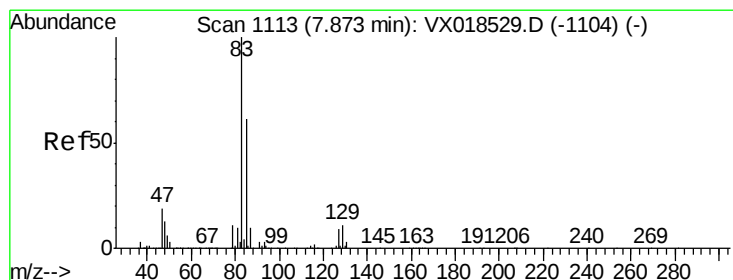
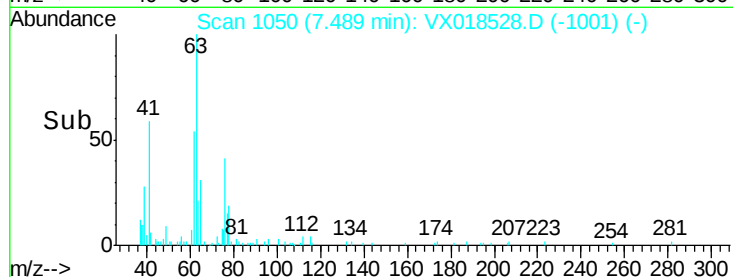
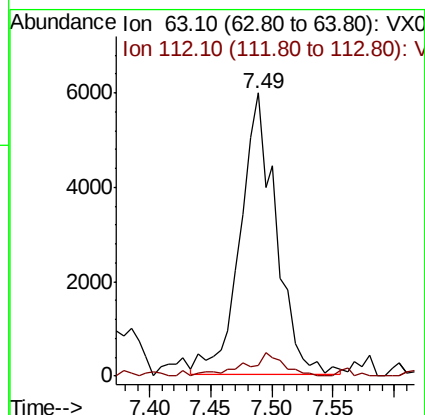
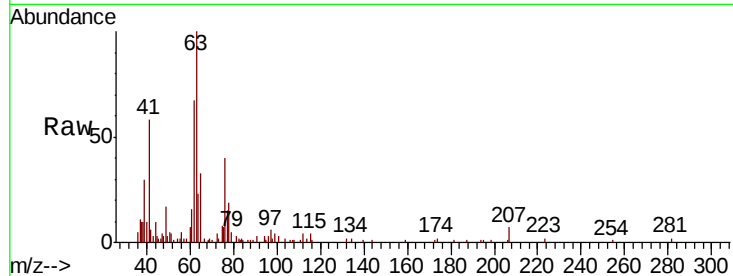




#37
 1,2-Dichloropropane
 Concen: 0.749 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

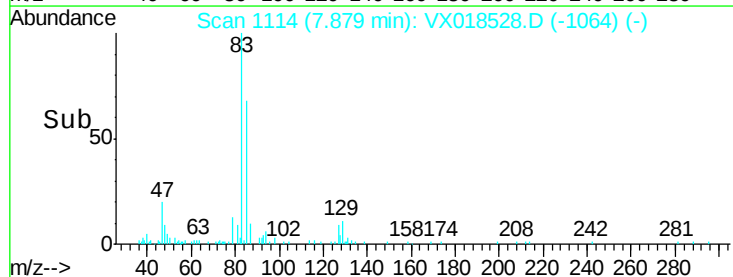
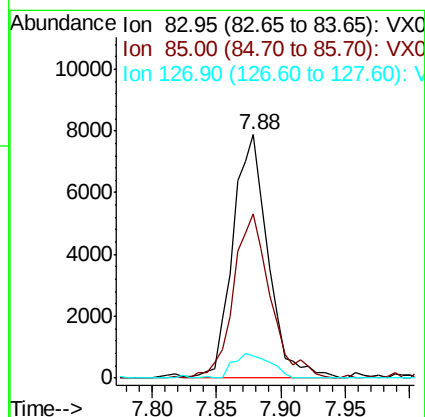
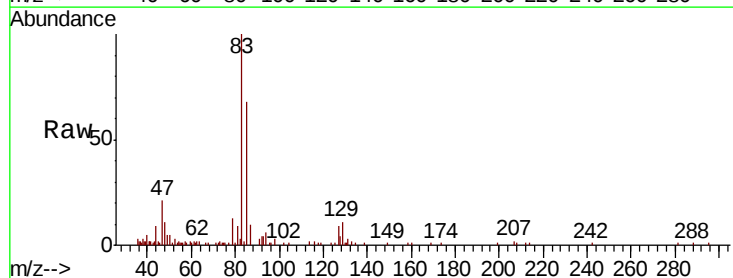
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001302

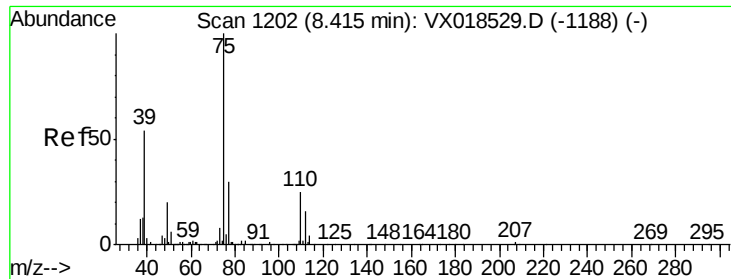
Tot Ion: 63 Resp: 12066
 Ion Ratio Lower Upper
 63 100
 112 9.0 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 0.656 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

Tgt Ion: 83 Resp: 15002
 Ion Ratio Lower Upper
 83 100
 85 67.6 42.9 79.7
 127 9.2 7.2 10.8

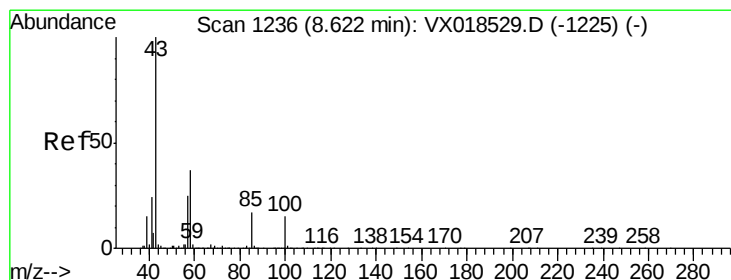
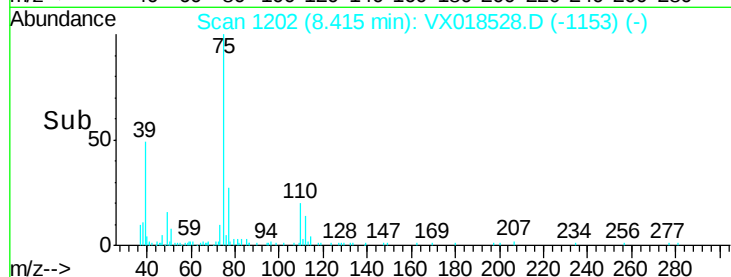
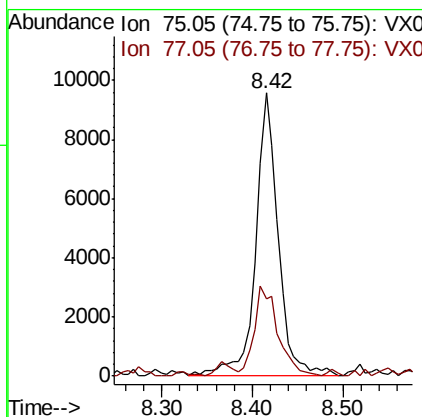
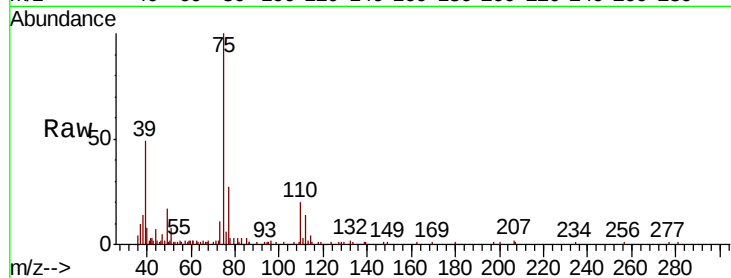




#39
 cis-1,3-Dichloropropene
 Concen: 0.660 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

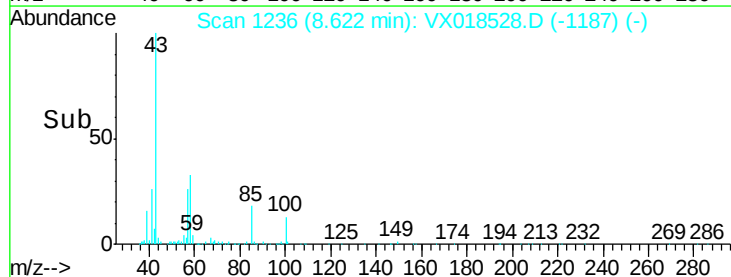
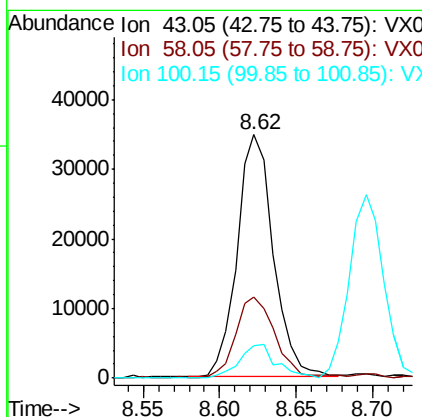
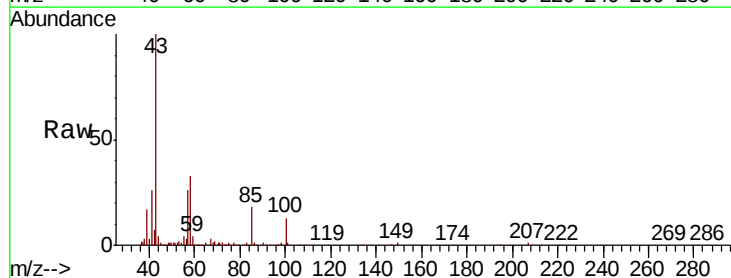
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001302

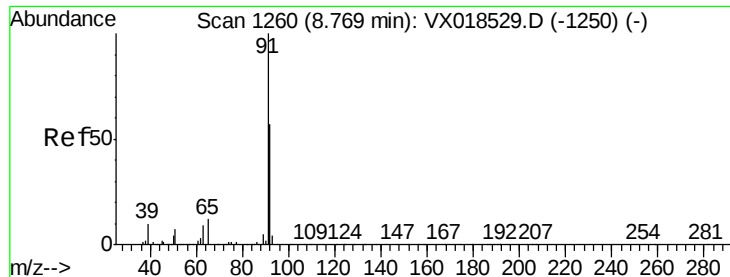
Tot Ion: 75 Resp: 16574
 Ion Ratio Lower Upper
 75 100
 77 27.3 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 7.172 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

Tgt Ion: 43 Resp: 57267
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.8 44.8
 100 14.1 11.5 17.3





#42

Toluene

Concen: 0.610 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

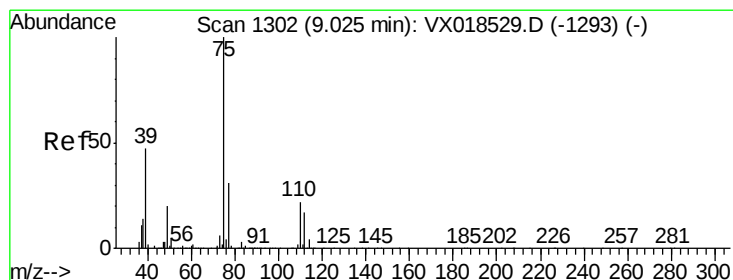
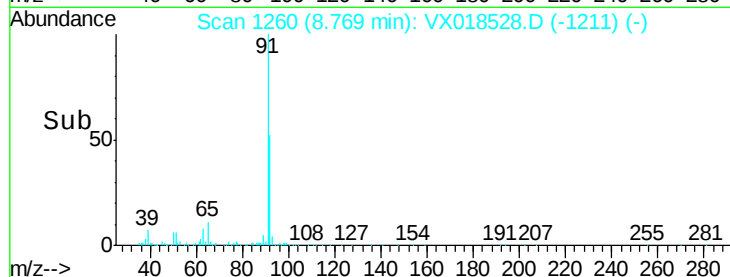
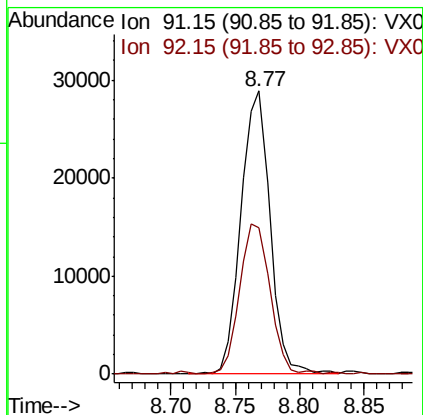
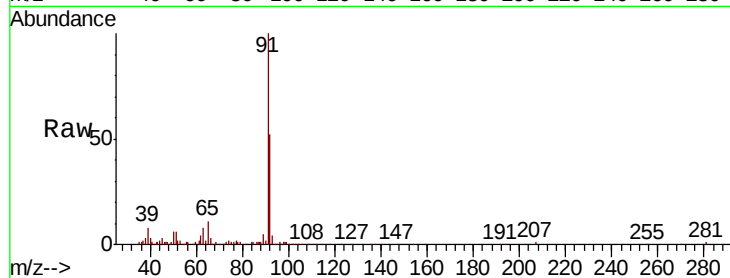
VSTD001302

Tot Ion: 91 Resp: 45105

Ion Ratio Lower Upper

91 100

92 51.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 0.730 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018528.D

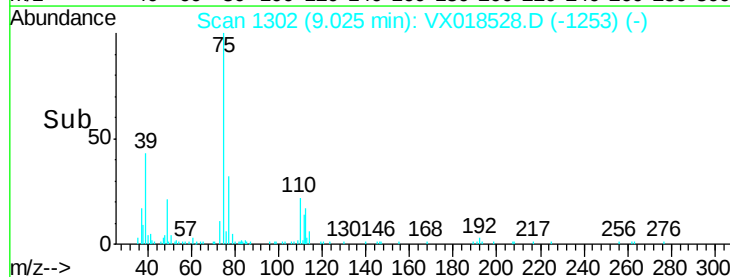
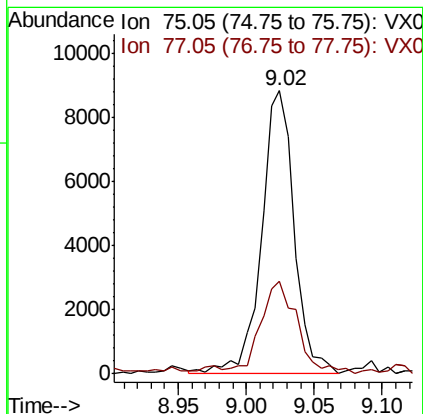
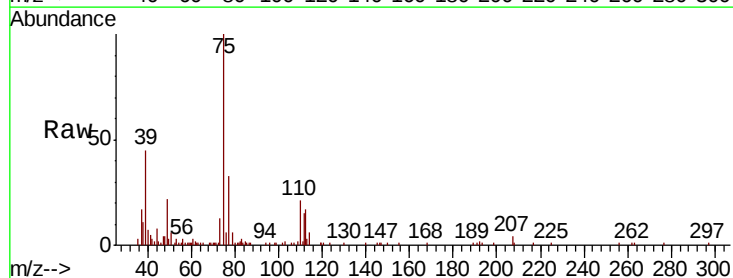
Acq: 22 Sep 2020 18:42

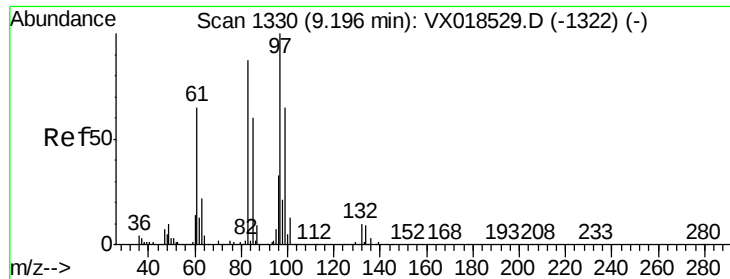
Tgt Ion: 75 Resp: 14993

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0

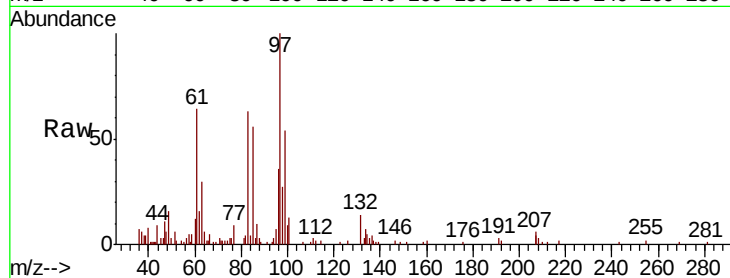




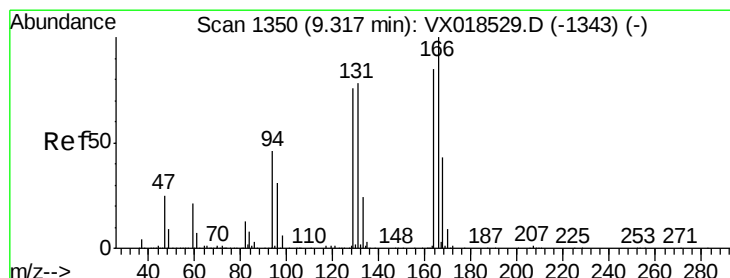
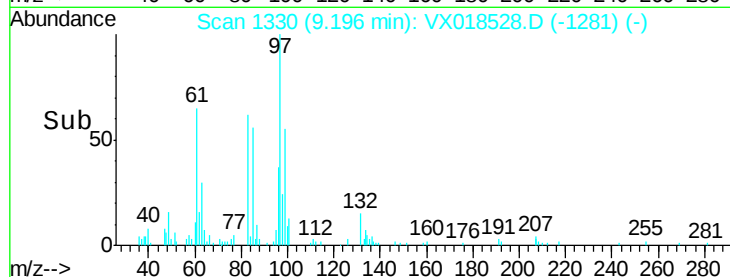
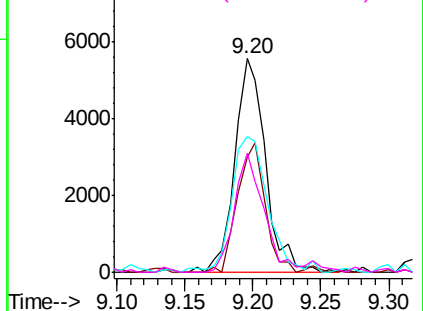
#45
1,1,2-Trichloroethane
Concen: 0.731 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTD001302

Tot Ion:	97	Resp:	8737
Ion	Ratio	Lower	Upper
97	100		
99	54.0	45.2	84.0
83	63.3	60.9	113.1
85	55.6	41.9	77.7

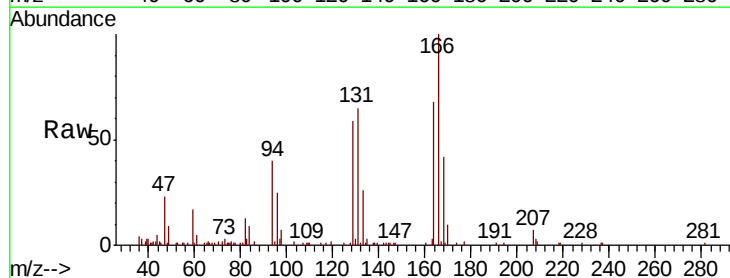


Abundance Ion 96.95 (96.65 to 97.65): VX0
Ion 99.05 (98.75 to 99.75): VX0
Ion 82.95 (82.65 to 83.65): VX0
Ion 85.00 (84.70 to 85.70): VX0

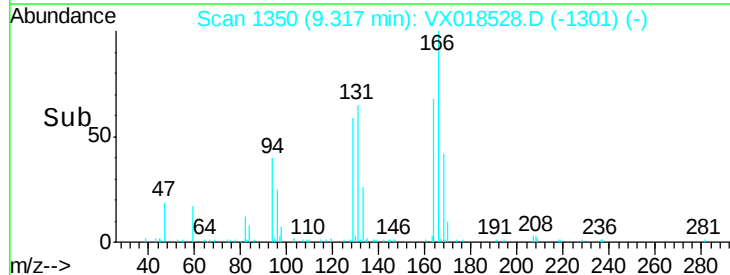
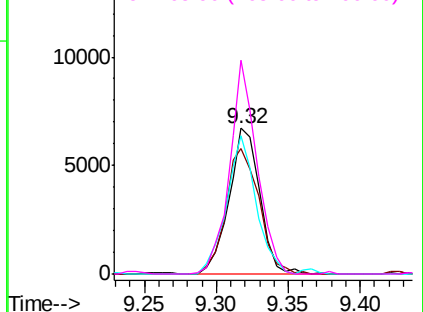


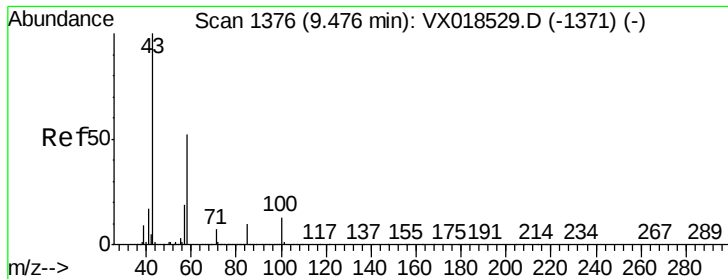
#47
Tetrachloroethene
Concen: 0.657 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Tgt Ion:	164	Resp:	10104
Ion	Ratio	Lower	Upper
164	100		
129	85.8	62.3	115.7
131	94.9	64.5	119.7
166	146.4	82.5	153.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

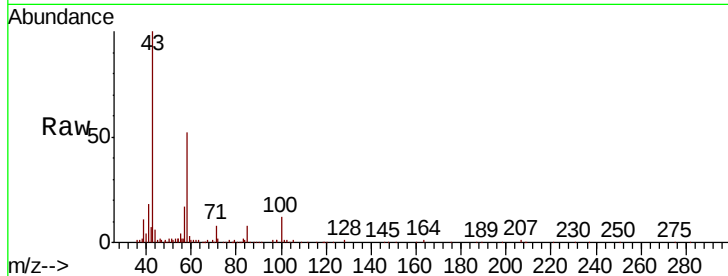




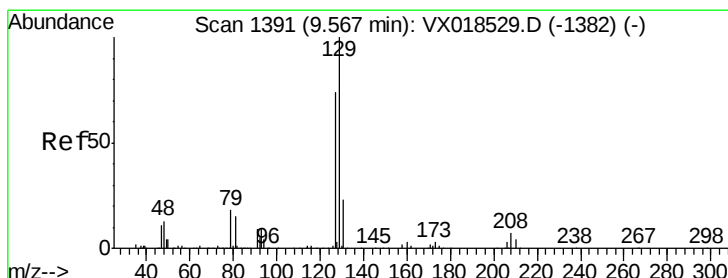
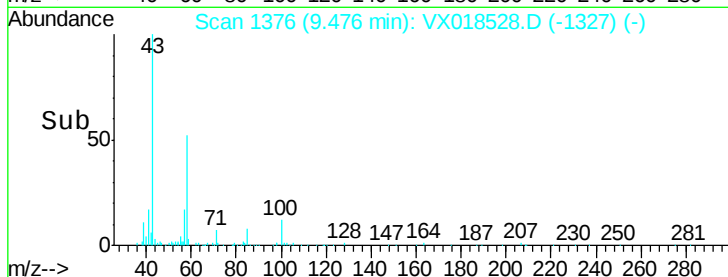
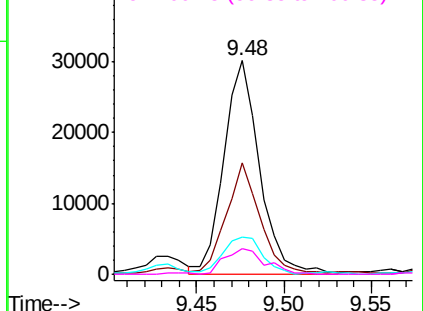
#48
2-Hexanone
Concen: 7.438 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Instrument :
MSVOA_X
ClientSampleId :
VSTD001302

Tot Ion:	43	Resp:	42974
Ion	Ratio	Lower	Upper
43	100		
58	48.3	41.5	62.3
57	18.1	15.4	23.0
100	13.5	9.4	14.0

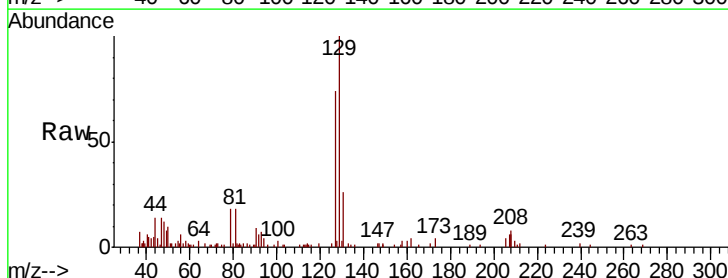


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

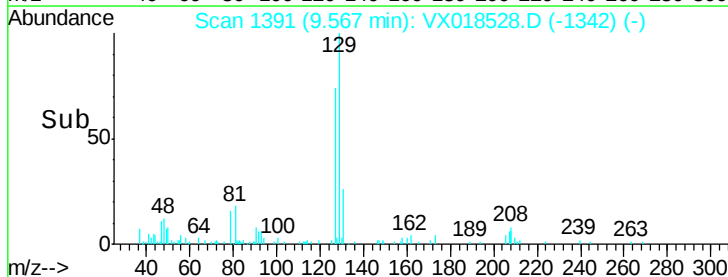
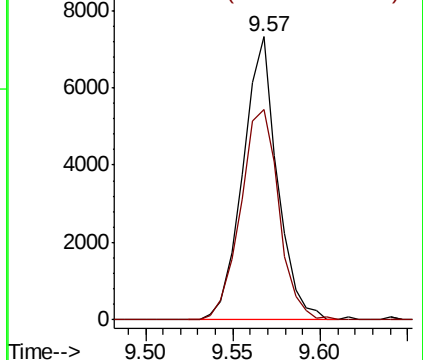


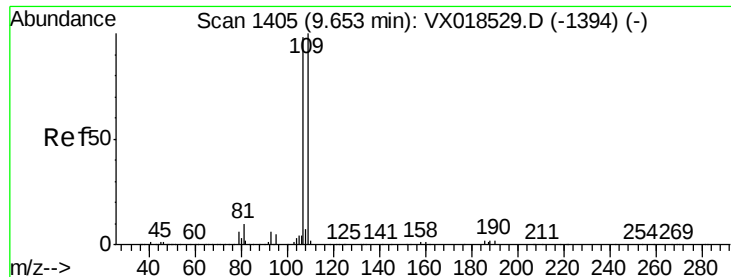
#49
Dibromochloromethane
Concen: 0.646 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Tgt Ion:	129	Resp:	10002
Ion	Ratio	Lower	Upper
129	100		
127	74.5	51.6	95.8



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

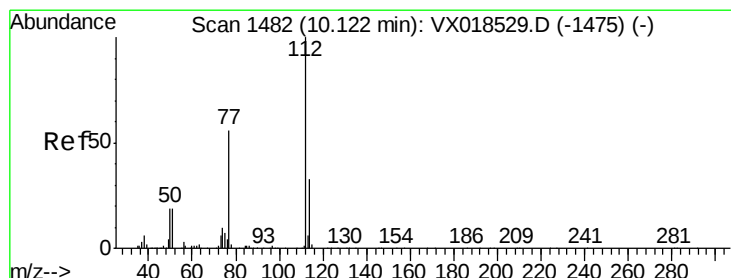
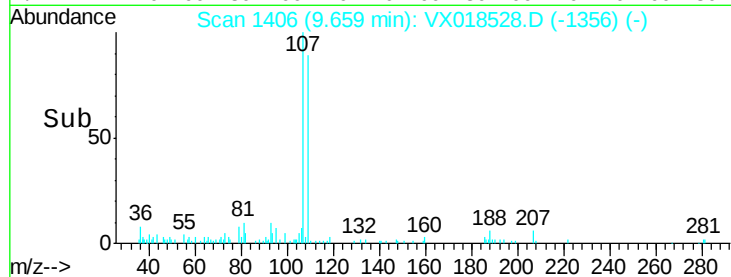
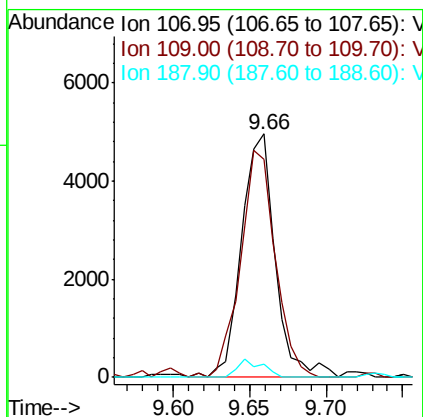
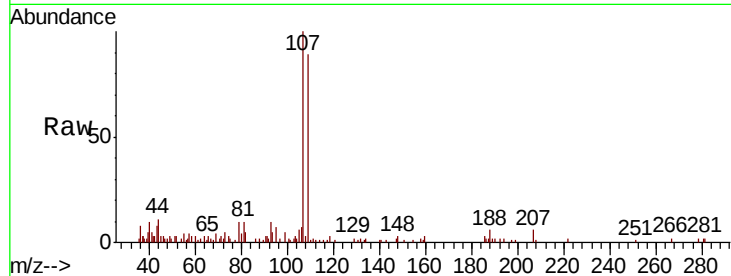




#50
1,2-Dibromoethane
Concen: 0.660 ug/L
RT: 9.66 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

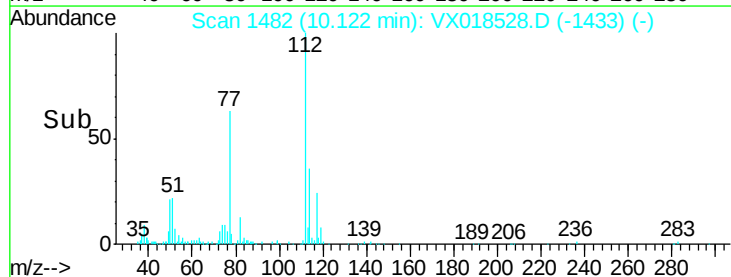
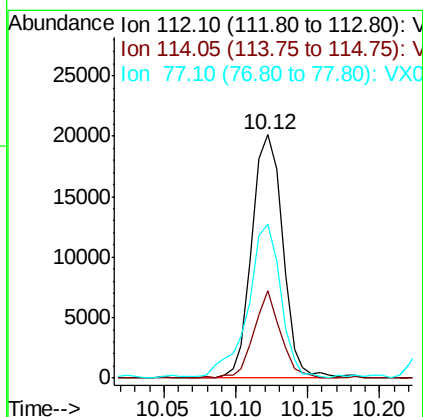
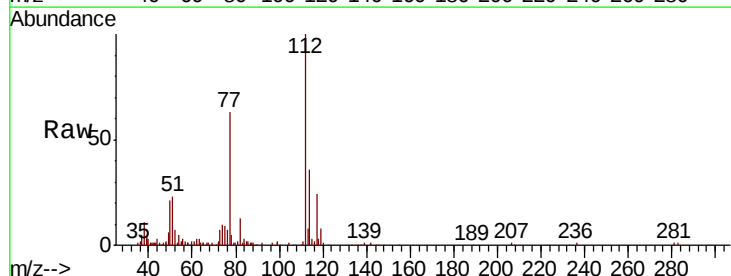
Instrument :
MSVOA_X
ClientSampleId :
VSTD001302

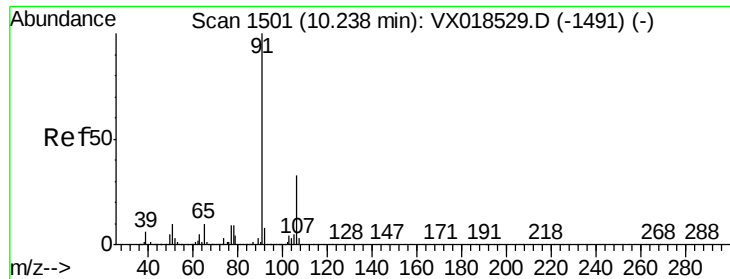
Tot Ion:107 Resp: 7555
Ion Ratio Lower Upper
107 100
109 89.3 71.2 132.2
188 5.6 1.9 2.9#



#51
Chlorobenzene
Concen: 0.608 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018528.D
Acq: 22 Sep 2020 18:42

Tgt Ion:112 Resp: 29906
Ion Ratio Lower Upper
112 100
114 36.1 23.1 42.9
77 63.2 44.9 67.3





#52

Ethylbenzene

Concen: 0.565 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

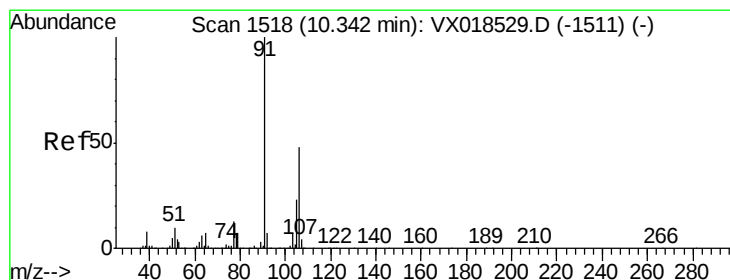
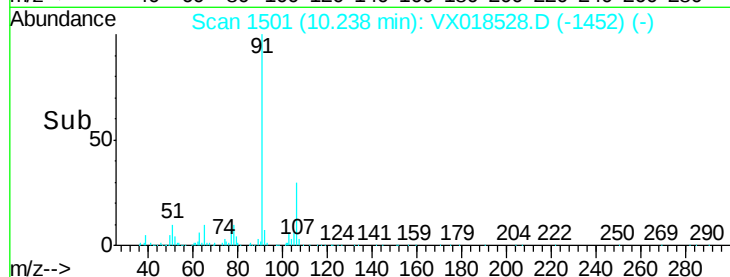
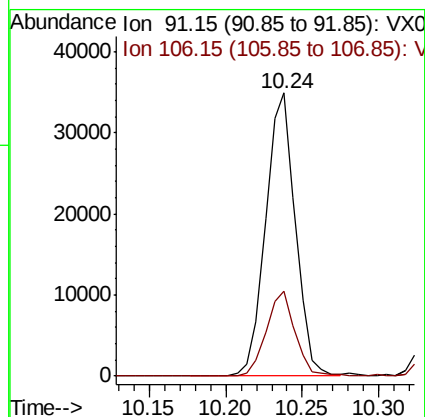
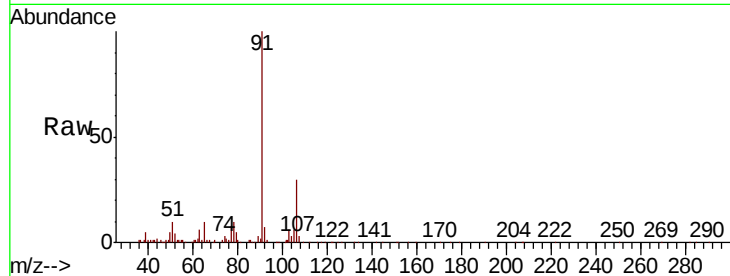
VSTD001302

Tot Ion: 91 Resp: 47384

Ion Ratio Lower Upper

91 100

106 30.0 23.3 43.3



#53

m,p-xylene

Concen: 0.541 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018528.D

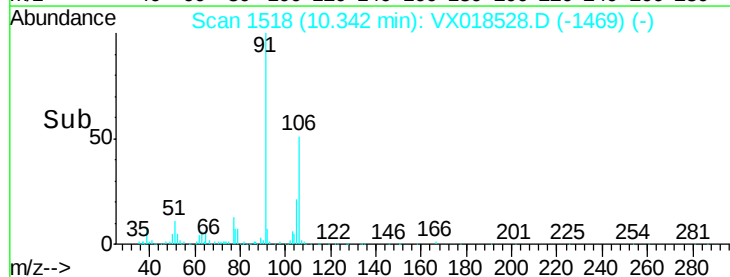
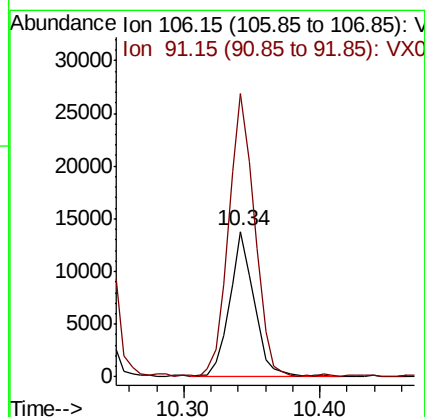
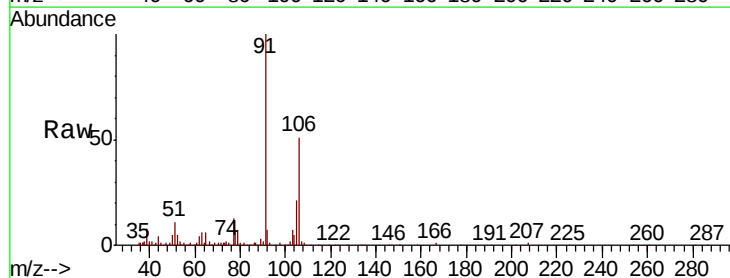
Acq: 22 Sep 2020 18:42

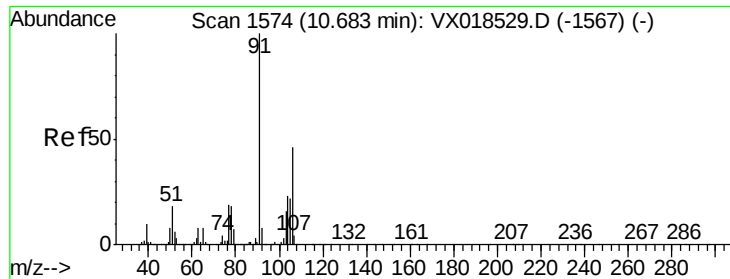
Tgt Ion: 106 Resp: 17395

Ion Ratio Lower Upper

106 100

91 194.8 146.8 272.6





#54

o-xylene

Concen: 0.492 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

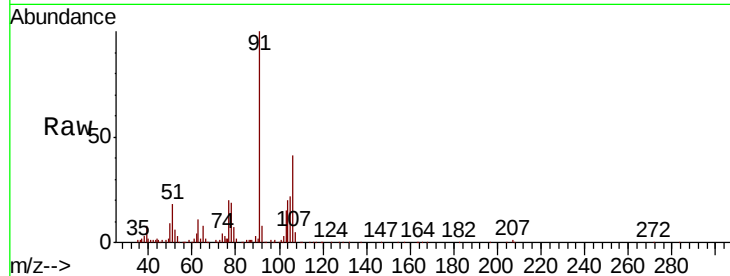
VSTD001302

Tot Ion:106 Resp: 15149

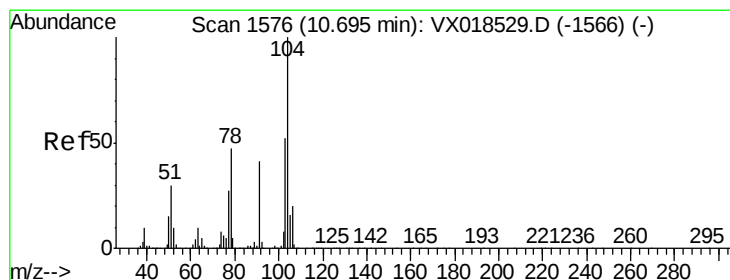
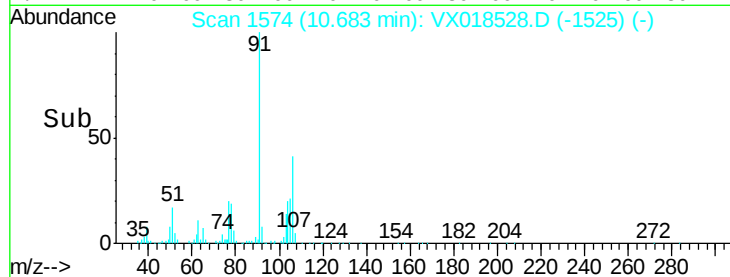
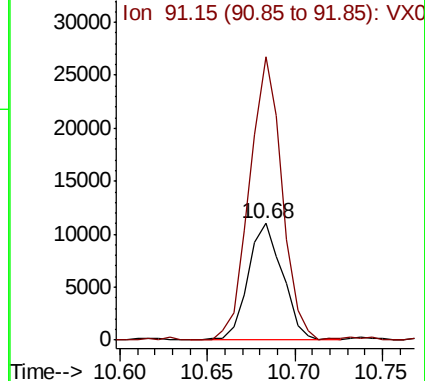
Ion Ratio Lower Upper

106 100

91 242.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.498 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018528.D

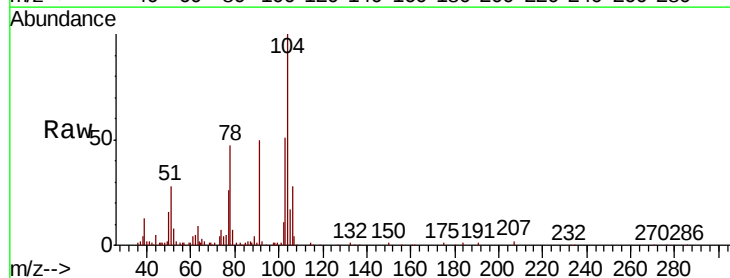
Acq: 22 Sep 2020 18:42

Tgt Ion:104 Resp: 25396

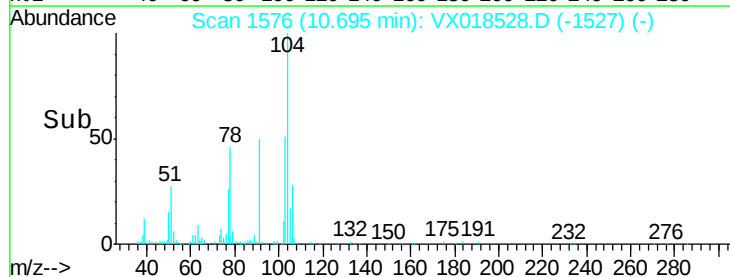
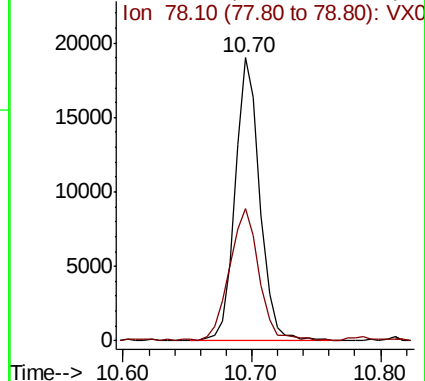
Ion Ratio Lower Upper

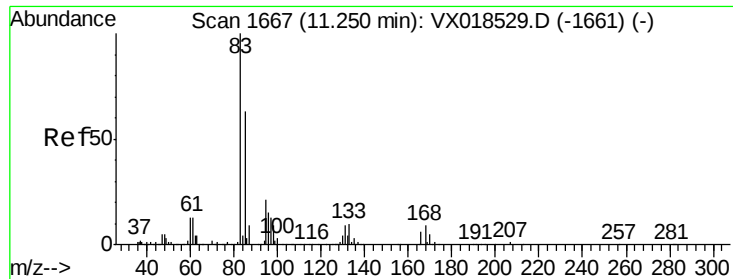
104 100

78 46.7 33.0 61.2



Abundance Ion 104.10 (103.80 to 104.80): V

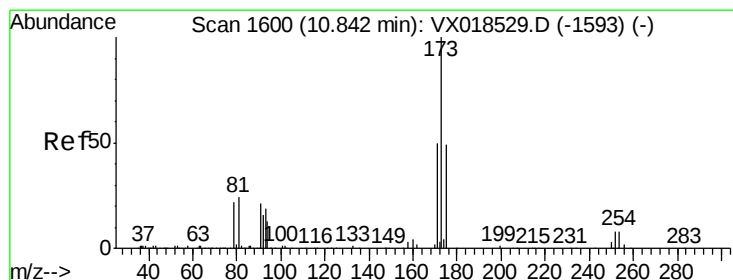
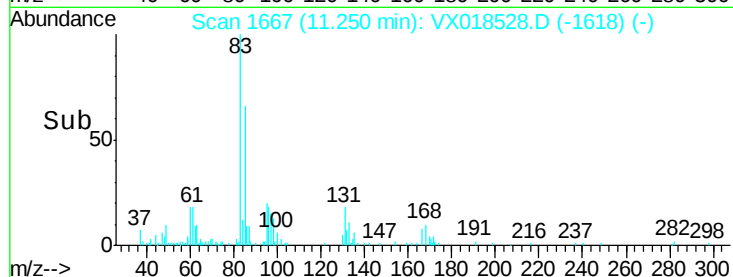
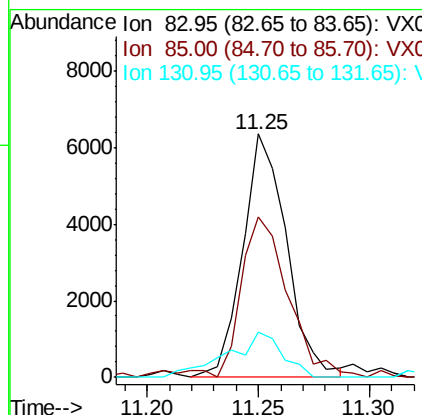
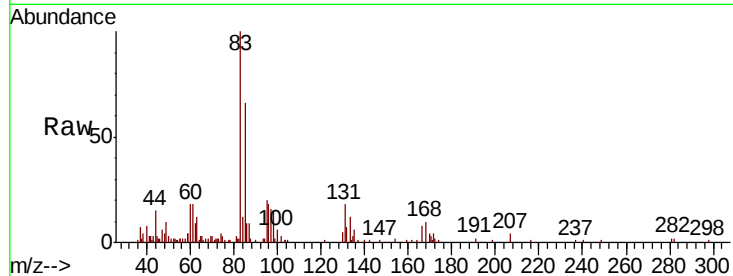




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.647 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

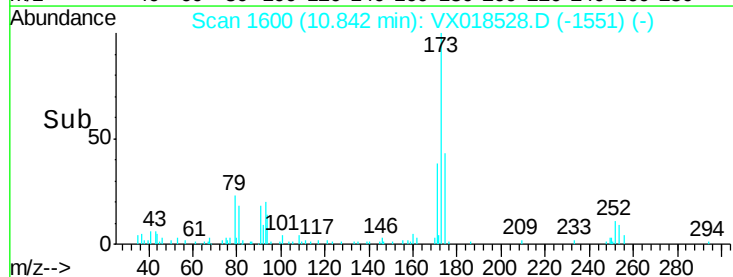
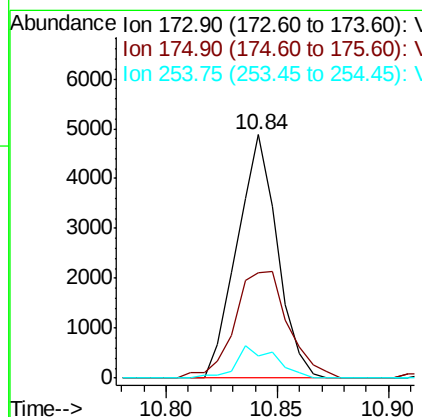
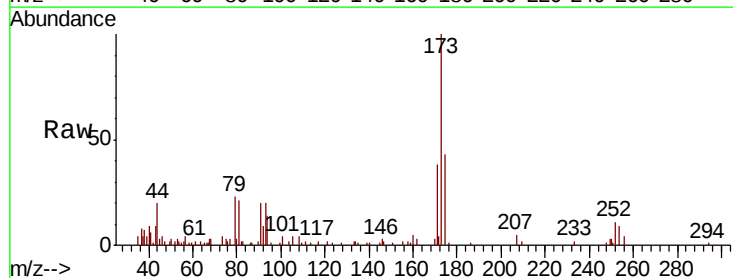
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001302

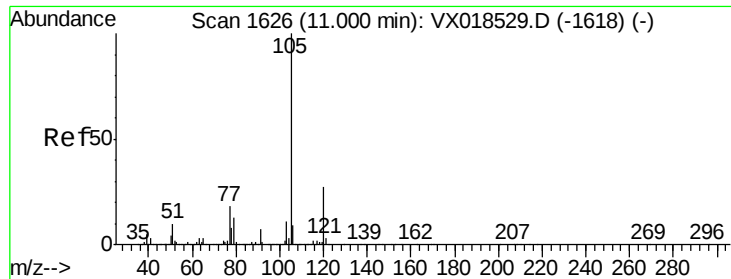
Tot Ion: 83 Resp: 8752
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.4 82.4
 131 18.4 7.4 11.0#



#59
 Bromoform
 Concen: 0.785 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

Tgt Ion: 173 Resp: 6136
 Ion Ratio Lower Upper
 173 100
 175 58.6 39.8 59.8
 254 13.3 7.5 11.3#





#60

Isopropylbenzene

Concen: 0.493 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD001302

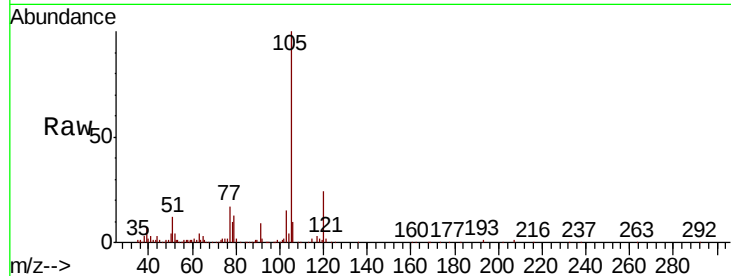
Tot Ion:105 Resp: 40238

Ion Ratio Lower Upper

105 100

120 28.8 21.8 32.8

77 20.4 13.1 19.7#

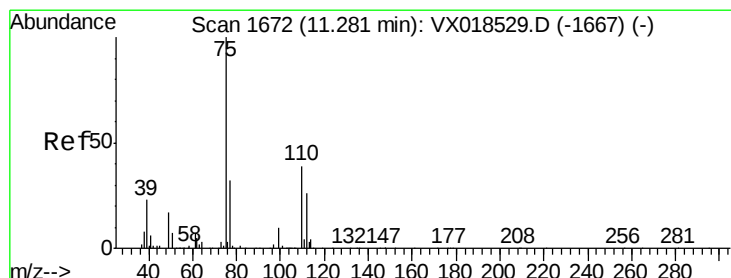
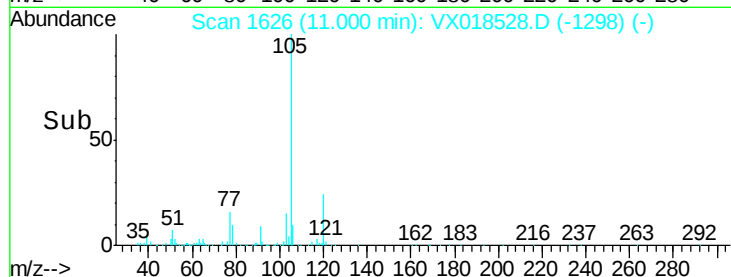


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time--> 10.90 10.95 11.00 11.05



#61

1,2,3-Trichloropropane

Concen: 0.822 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

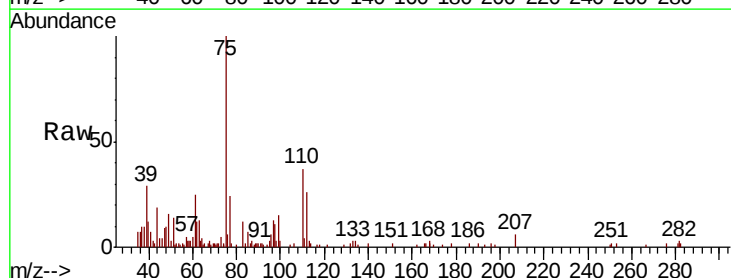
Tgt Ion: 75 Resp: 7878

Ion Ratio Lower Upper

75 100

77 29.1 27.1 40.7

110 40.0 32.4 48.6

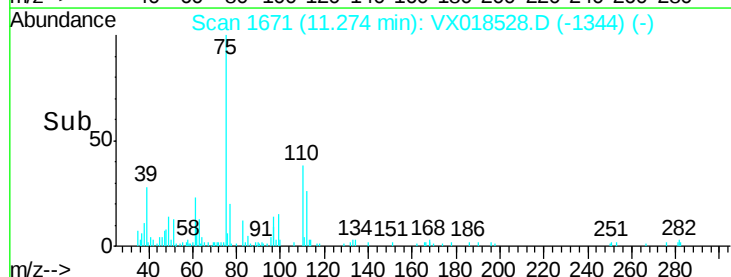


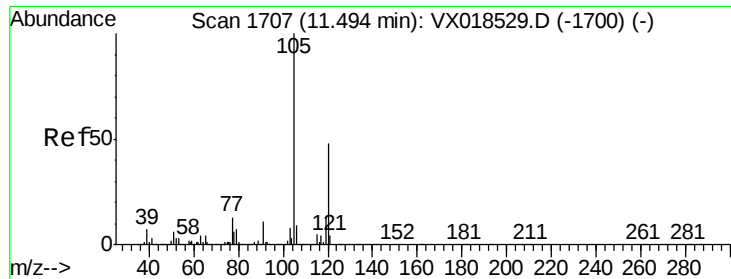
Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

Time--> 11.20 11.30





#62

1,3,5-Trimethylbenzene

Concen: 0.483 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

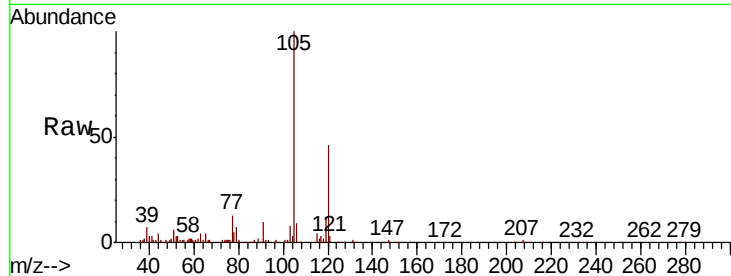
VSTD001302

Tot Ion:105 Resp: 32609

Ion Ratio Lower Upper

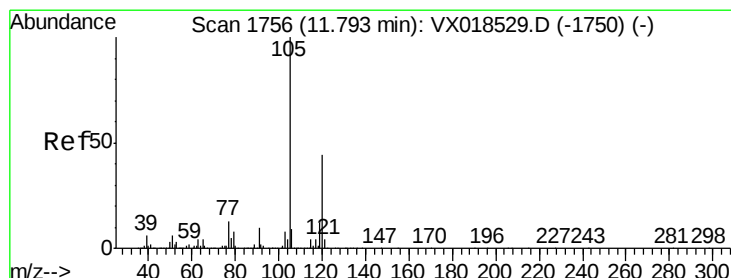
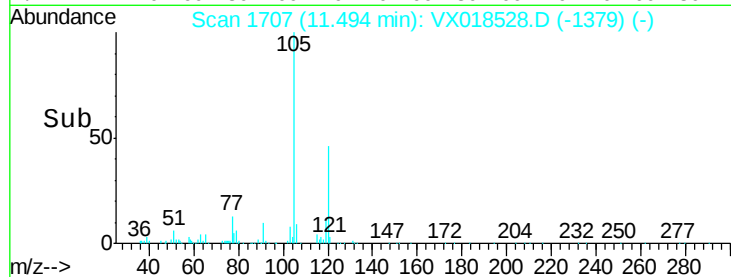
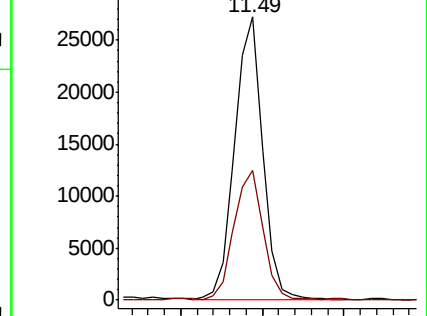
105 100

120 48.4 39.3 58.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.470 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018528.D

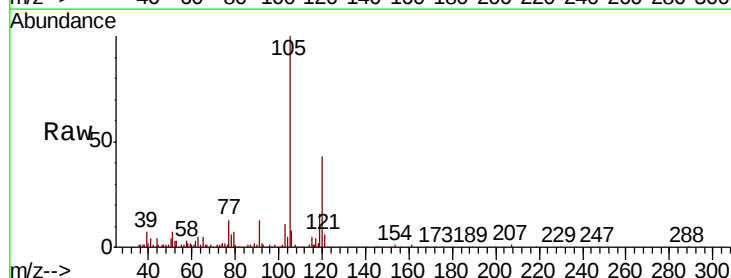
Acq: 22 Sep 2020 18:42

Tgt Ion:105 Resp: 31285

Ion Ratio Lower Upper

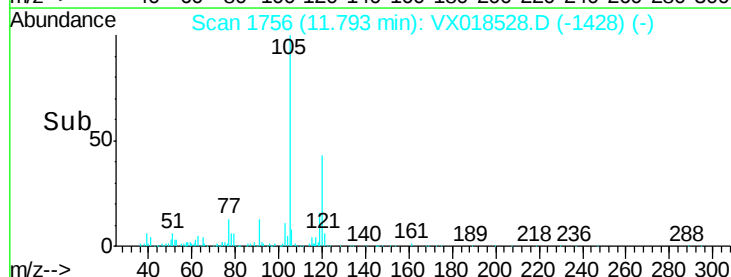
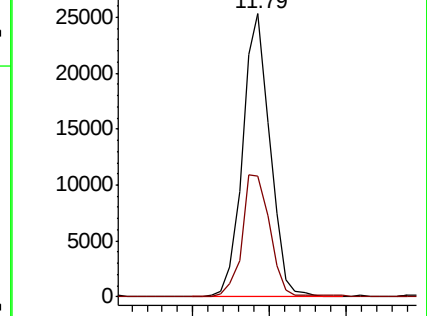
105 100

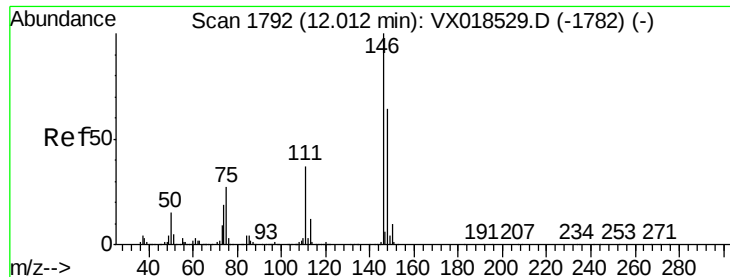
120 43.7 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 0.587 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD001302

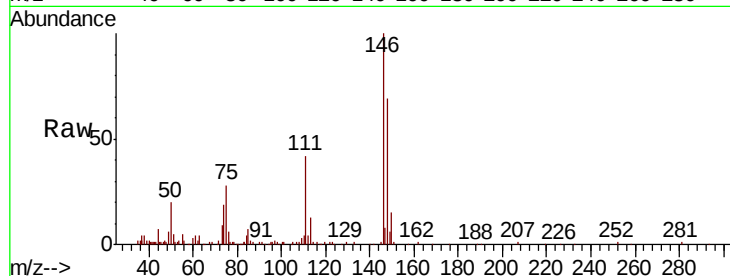
Tot Ion:146 Resp: 22744

Ion Ratio Lower Upper

146 100

111 41.9 25.7 47.7

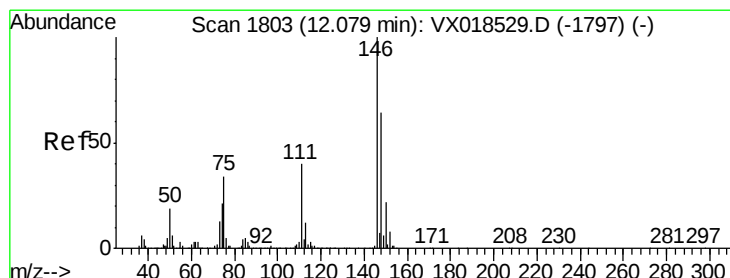
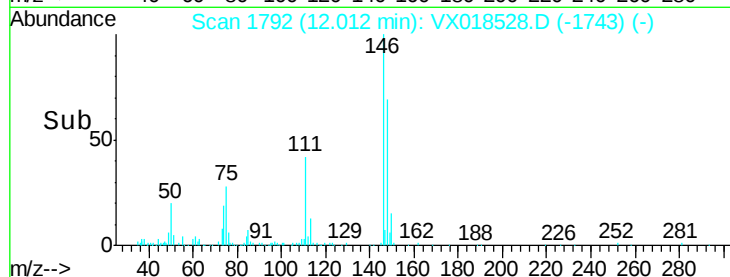
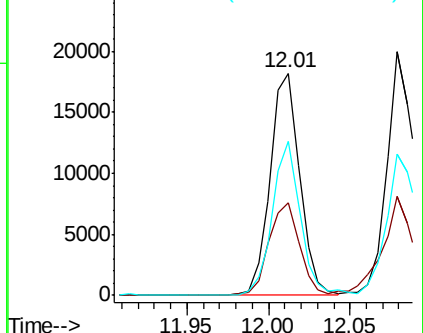
148 69.3 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.639 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

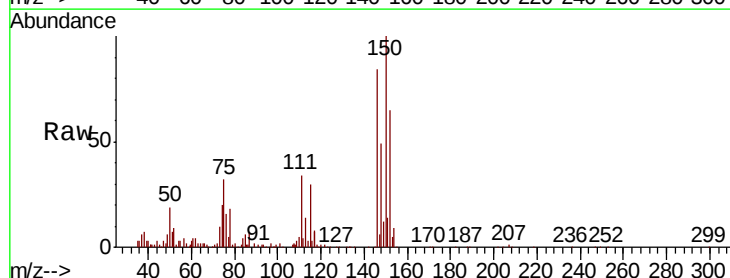
Tgt Ion:146 Resp: 24254

Ion Ratio Lower Upper

146 100

111 40.5 27.9 51.9

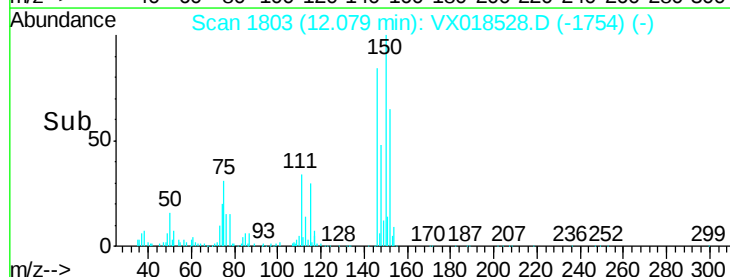
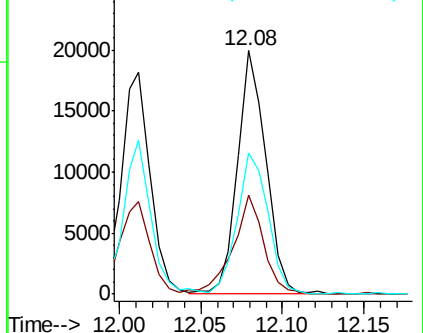
148 58.0 45.0 83.6

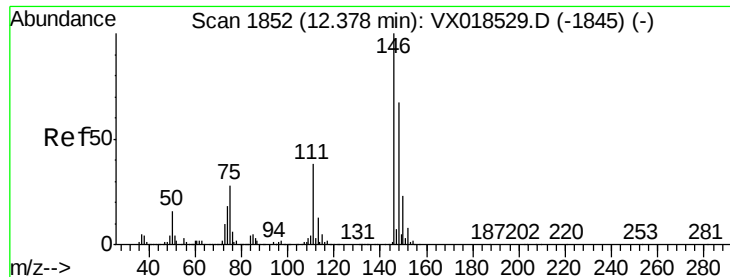


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

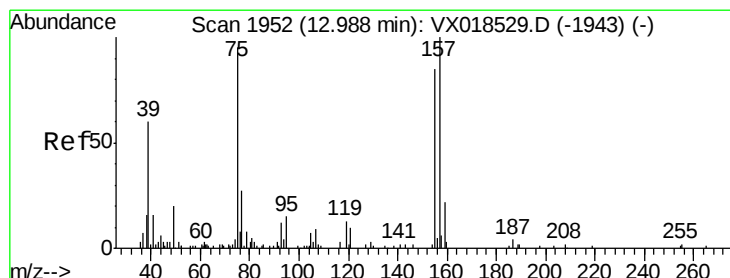
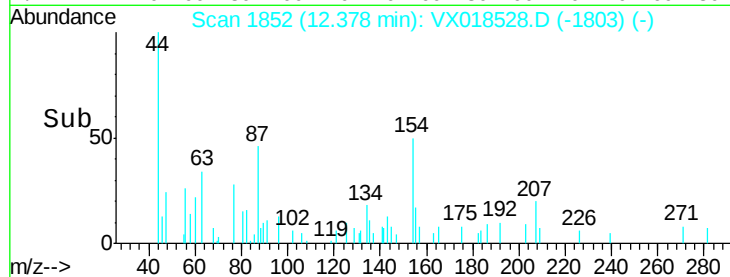
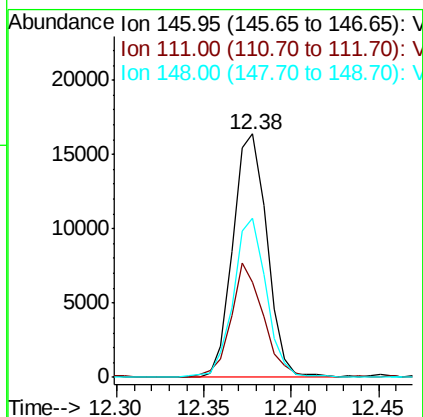
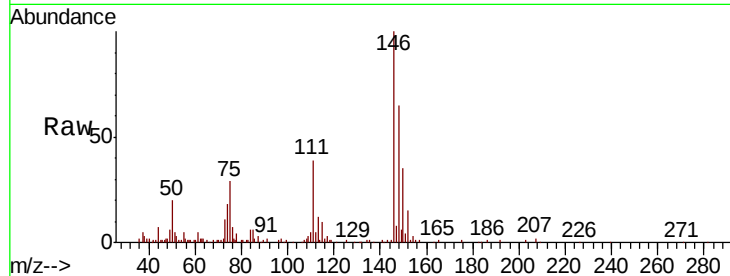




#67
 1,2-Dichlorobenzene
 Concen: 0.649 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

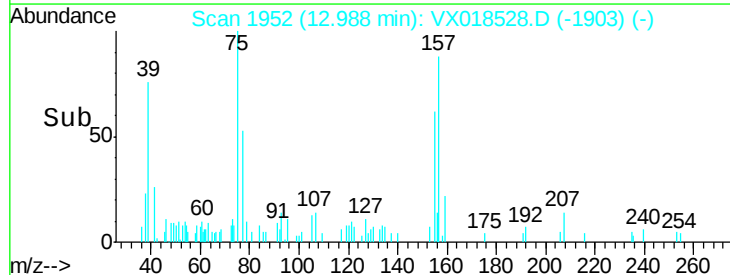
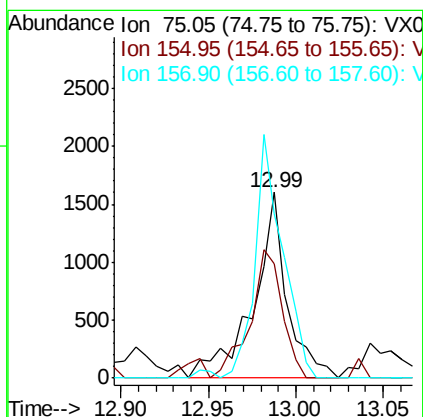
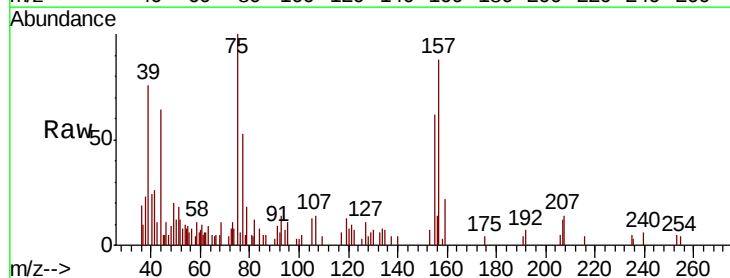
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001302

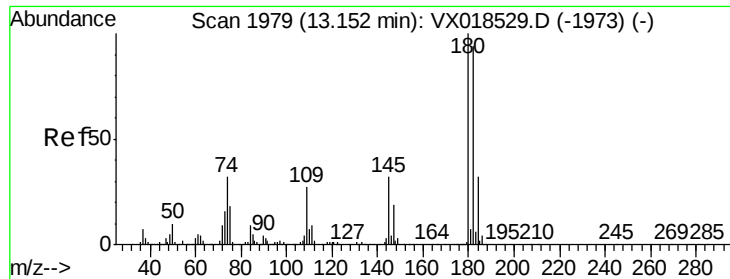
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	30.6	45.8
148	65.3	53.5	80.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.930 ug/L
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.9	71.1	106.7#
157	88.4	83.5	125.3

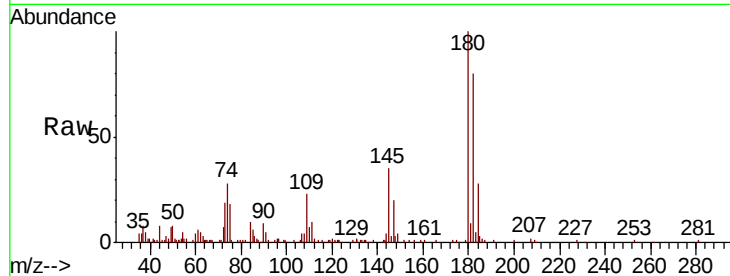




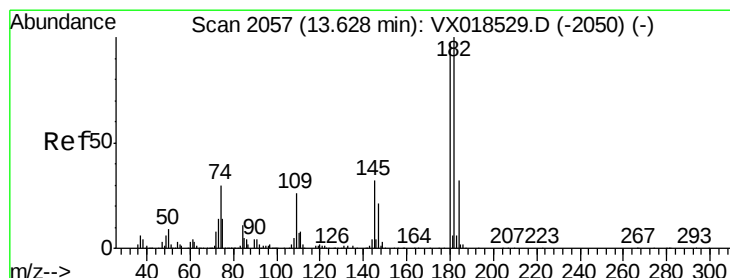
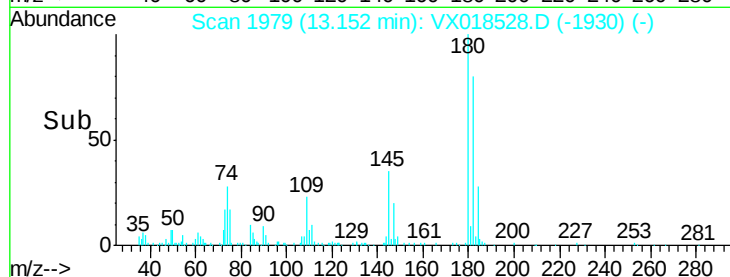
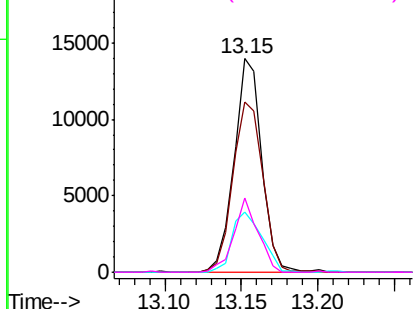
#69
 1,3,5-Trichlorobenzene
 Concen: 0.615 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD001302

Tot Ion:180	Resp:	17453
Ion	Ratio	Lower Upper
180	100	
182	86.3	74.3 111.5
184	30.6	24.6 37.0
145	30.6	24.6 37.0

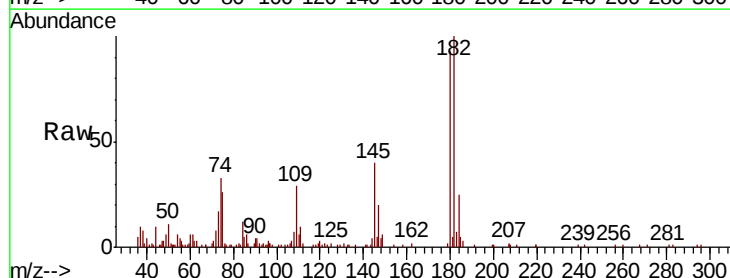


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

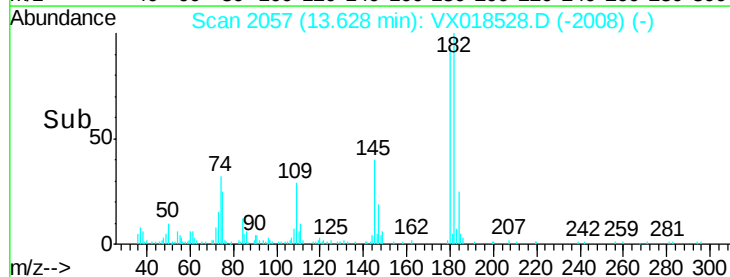
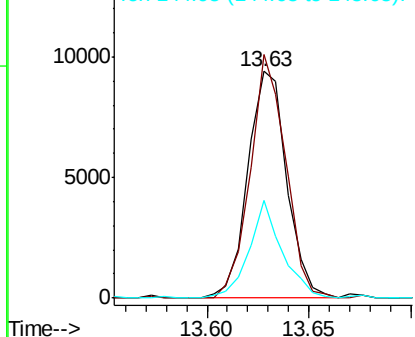


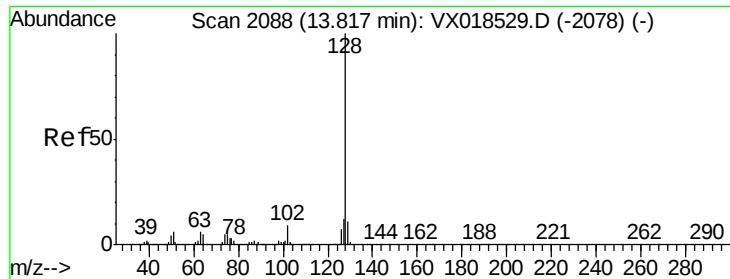
#70
 1,2,4-trichlorobenzene
 Concen: 0.529 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018528.D
 Acq: 22 Sep 2020 18:42

Tgt Ion:180	Resp:	12505
Ion	Ratio	Lower Upper
180	100	
182	97.6	74.7 112.1
145	36.7	26.6 39.8



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: 0.503 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD001302

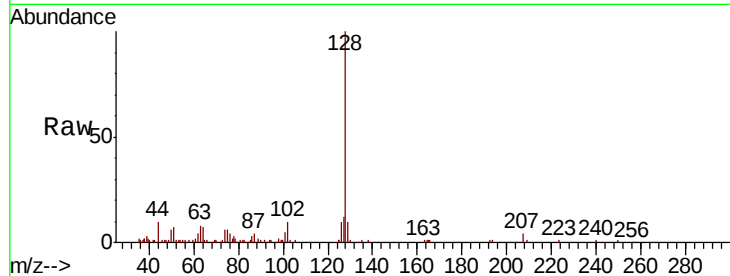
Tot Ion:128 Resp: 20165

Ion Ratio Lower Upper

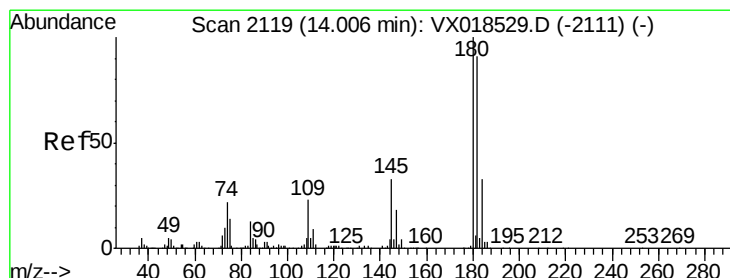
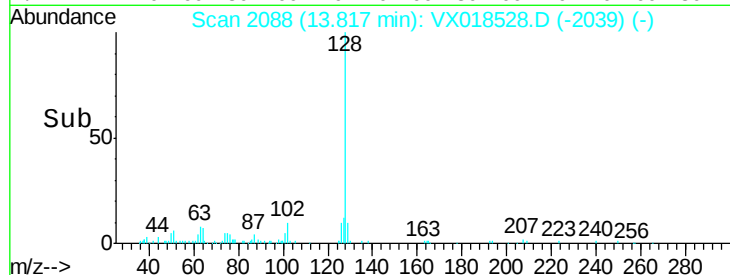
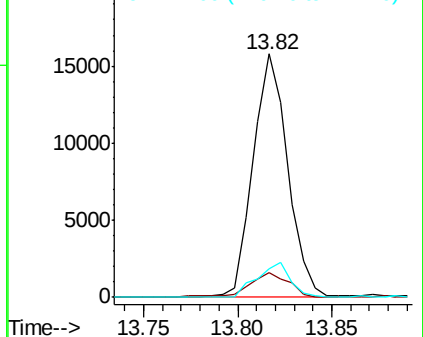
128 100

129 11.9 8.9 13.3

127 13.9 10.1 15.1



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



#72

1,2,3-Trichlorobenzene

Concen: 0.600 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX018528.D

Acq: 22 Sep 2020 18:42

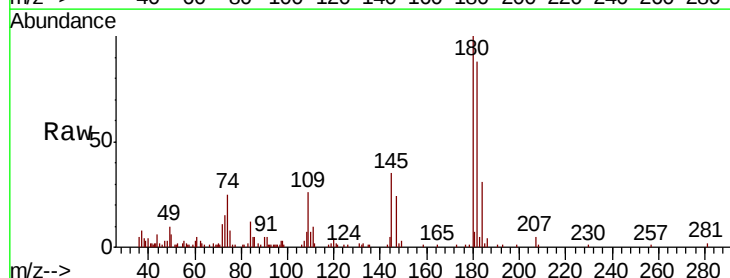
Tgt Ion:180 Resp: 12519

Ion Ratio Lower Upper

180 100

182 92.1 76.9 115.3

145 38.1 27.6 41.4



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

