

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018762.D
 Acq On : 05 Oct 2020 12:53
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

Quant Time: Oct 06 01:36:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 14:11:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	188090	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	179096	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	93190	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44121	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.70	69	37418	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.34	63	96097	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.56	46	148873	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	5.14	84	110081	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	6.03	65	62133	3.83	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
32) Benzene-d6	6.04	84	203254	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	7.37	67	62826	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	8.70	98	190707	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
45) trans-1,3-Dichloropropene-	8.99	79	28884	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
48) 2-Hexanone-d5	9.43	63	126524	54.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.06%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	52014	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	79635	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	52549	4.161	ug/L	97
3) Chloromethane	1.31	50	43134	4.741	ug/L	99
5) Vinyl chloride	1.39	62	49474	4.875	ug/L	95
6) Bromomethane	1.64	94	26551	4.415	ug/L	98
8) Chloroethane	1.72	64	29845	4.848	ug/L	98
9) Trichlorofluoromethane	1.92	101	82642	3.816	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	49065	4.645	ug/L	92
12) 1,1-Dichloroethene	2.36	96	44344	4.733	ug/L	80
13) Acetone	2.46	43	72793	46.264	ug/L	97
14) Carbon disulfide	2.55	76	134998	4.604	ug/L	100
15) Methyl Acetate	2.76	43	18938	4.897	ug/L	91
16) Methylene chloride	2.83	84	53391	4.700	ug/L	99
17) Methyl tert-butyl Ether	3.17	73	111313	4.606	ug/L	97
18) trans-1,2-Dichloroethene	3.14	96	46815	4.666	ug/L	98
19) 1,1-Dichloroethane	3.67	63	85367	4.786	ug/L	99
21) 2-Butanone	4.66	43	121843	53.194	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	50287	4.860	ug/L #	96

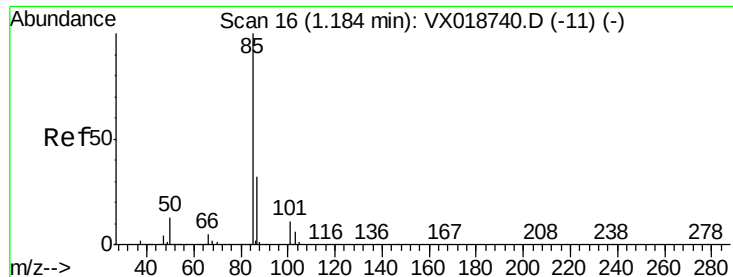
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018762.D
 Acq On : 05 Oct 2020 12:53
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

Quant Time: Oct 06 01:36:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 14:11:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.97	128	23121	4.408	ug/L	95
25) Chloroform	5.17	83	89406	4.387	ug/L	96
27) 1,2-Dichloroethane	6.16	62	57037	3.852	ug/L #	90
29) 1,1,1-Trichloroethane	5.46	97	87162	4.114	ug/L	99
30) Cyclohexane	5.55	56	74354	5.060	ug/L	99
31) Carbon tetrachloride	5.75	117	79733	4.080	ug/L	100
33) Benzene	6.11	78	187295	4.994	ug/L	100
34) Trichloroethene	7.18	95	51510	4.652	ug/L	95
35) Methylcyclohexane	7.43	83	78765	5.020	ug/L	99
37) 1,2-Dichloropropane	7.49	63	45964	4.892	ug/L	98
38) Bromodichloromethane	7.87	83	64586	4.310	ug/L #	93
39) cis-1,3-Dichloropropene	8.42	75	71288	4.754	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	292014	53.648	ug/L	99
42) Toluene	8.76	91	209503	5.105	ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	191819	4.939	ug/L	96
44) 1,2,4-Trimethylbenzene	11.79	105	190313	4.827	ug/L	95
46) trans-1,3-Dichloropropene	9.02	75	63334	4.574	ug/L	95
47) 1,1,2-Trichloroethane	9.20	97	34420	4.854	ug/L	93
49) Tetrachloroethene	9.32	164	43309	4.474	ug/L	96
50) 2-Hexanone	9.47	43	209573	53.012	ug/L	96
51) Dibromochloromethane	9.56	129	44629	4.331	ug/L	94
52) 1,2-Dibromoethane	9.65	107	33474	4.670	ug/L #	91
53) Chlorobenzene	10.12	112	135193	4.816	ug/L	97
54) Ethylbenzene	10.23	91	224744	4.885	ug/L	98
55) m,p-xylene	10.34	106	88632	4.939	ug/L	98
56) o-xylene	10.68	106	85169	5.136	ug/L	91
57) Styrene	10.70	104	139288	4.924	ug/L	86
58) Isopropylbenzene	11.00	105	228274	4.917	ug/L	97
60) 1,1,2,2-Tetrachloroethane	11.25	83	40958	5.211	ug/L	98
62) Bromoform	10.84	173	26146	4.245	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	110041	4.858	ug/L	98
64) 1,4-Dichlorobenzene	12.08	146	112146	4.965	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	103717	4.904	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.98	75	7834	4.347	ug/L #	81
68) 1,3,5-Trichlorobenzene	13.15	180	79238	4.545	ug/L	95
69) 1,2,4-trichlorobenzene	13.63	180	68858	4.757	ug/L	97
70) Naphthalene	13.82	128	120807	5.106	ug/L	99
71) 1,2,3-Trichlorobenzene	14.00	180	63567	4.881	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.161 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

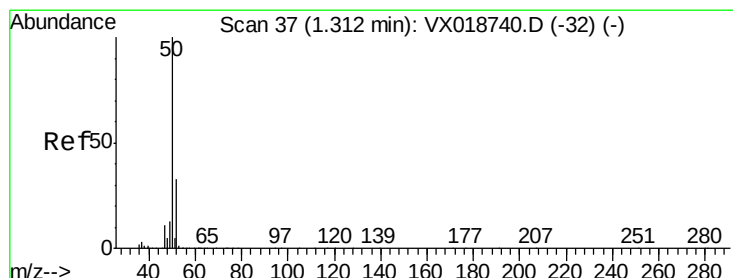
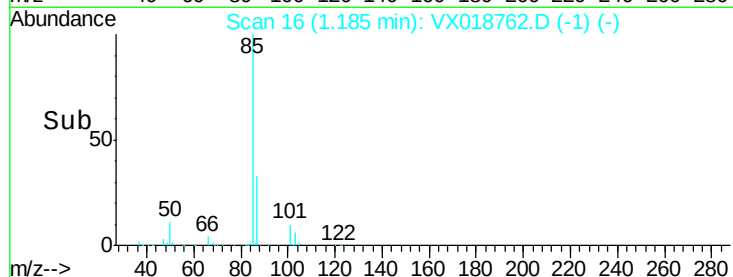
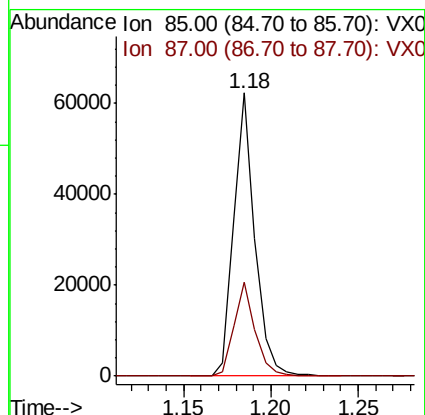
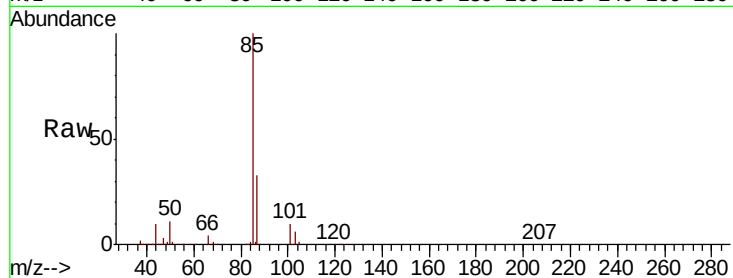
VSTD00592

Tot Ion: 85 Resp: 52549

Ion Ratio Lower Upper

85 100

87 33.3 25.4 38.0



#3

Chloromethane

Concen: 4.741 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018762.D

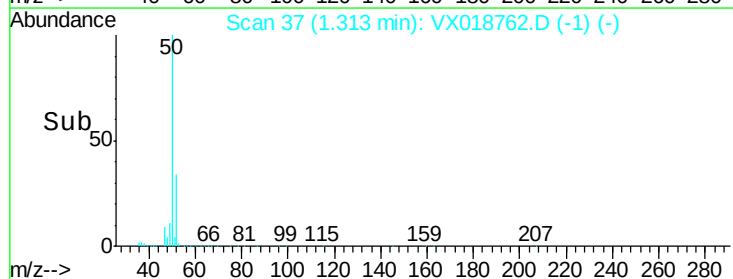
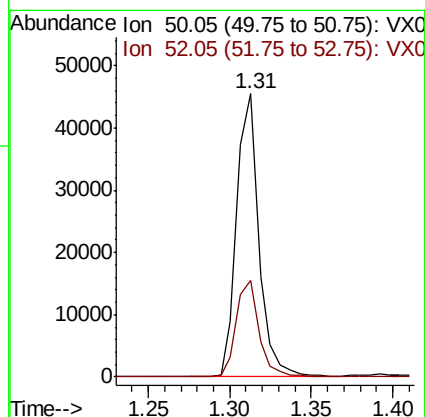
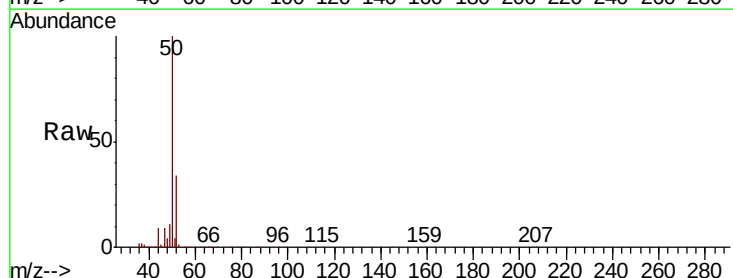
Acq: 05 Oct 2020 12:53

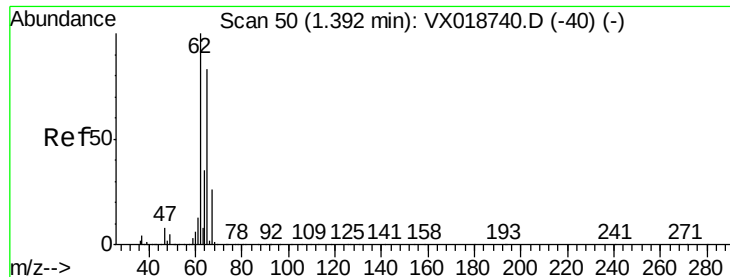
Tgt Ion: 50 Resp: 43134

Ion Ratio Lower Upper

50 100

52 34.0 23.4 43.6





#5

Vinyl chloride

Concen: 4.875 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

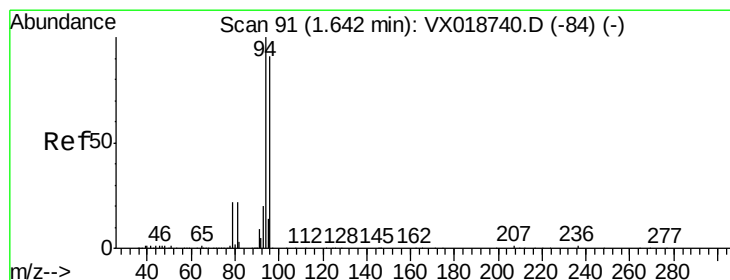
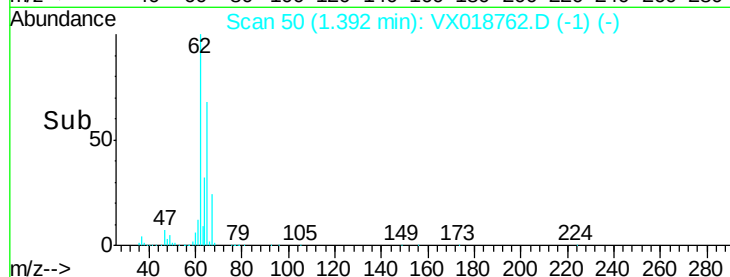
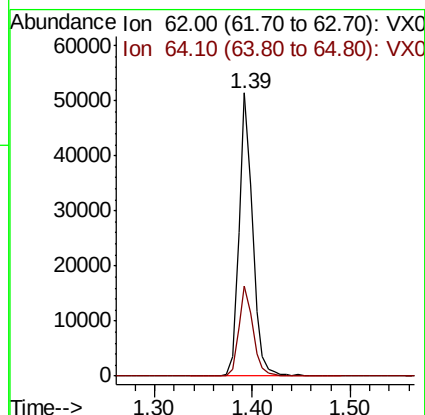
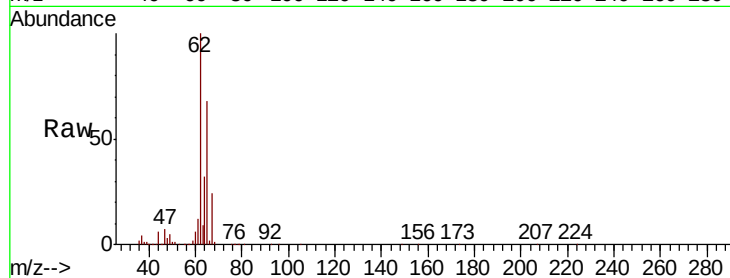
VSTD00592

Tot Ion: 62 Resp: 49474

Ion Ratio Lower Upper

62 100

64 32.0 24.3 45.1



#6

Bromomethane

Concen: 4.415 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018762.D

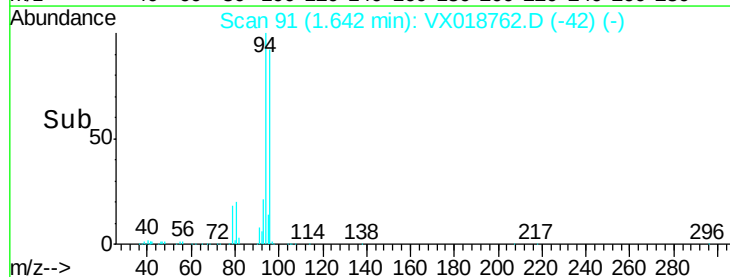
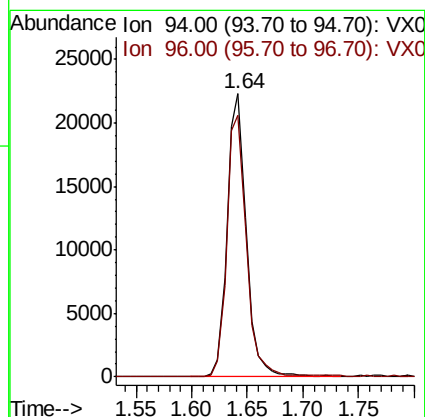
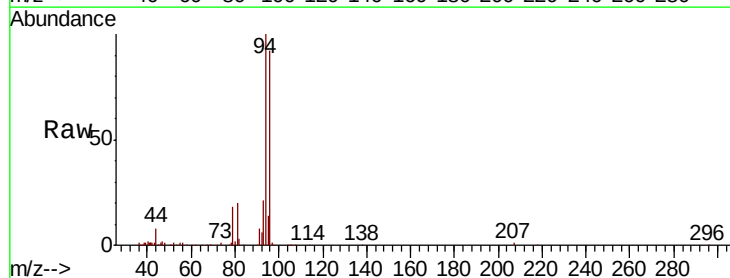
Acq: 05 Oct 2020 12:53

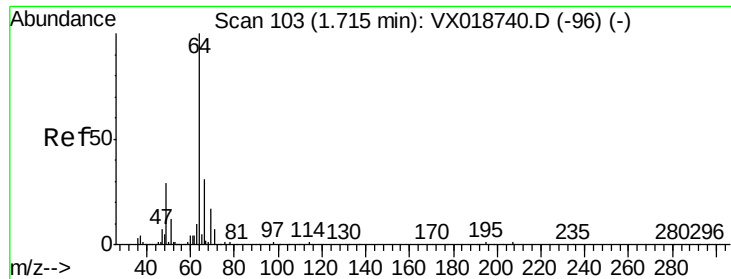
Tgt Ion: 94 Resp: 26551

Ion Ratio Lower Upper

94 100

96 92.4 63.5 117.9

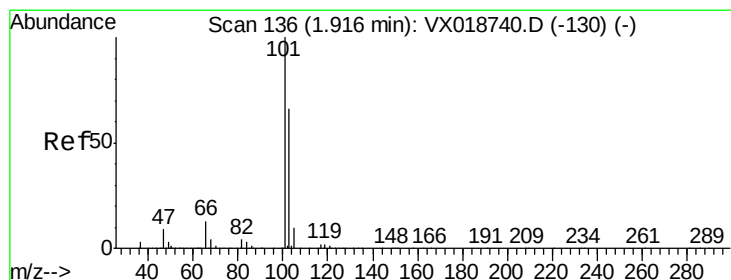
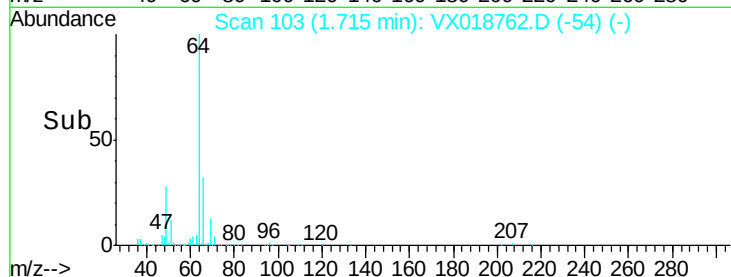
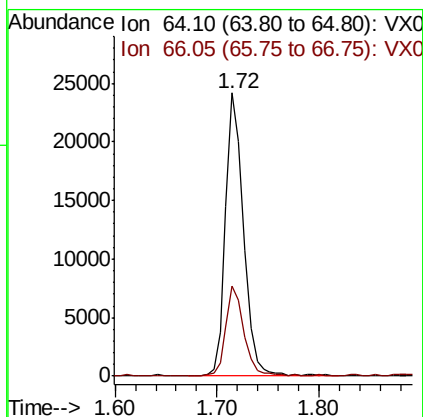
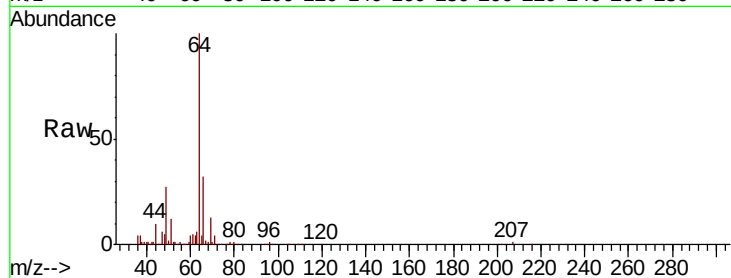




#8
Chloroethane
Concen: 4.848 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

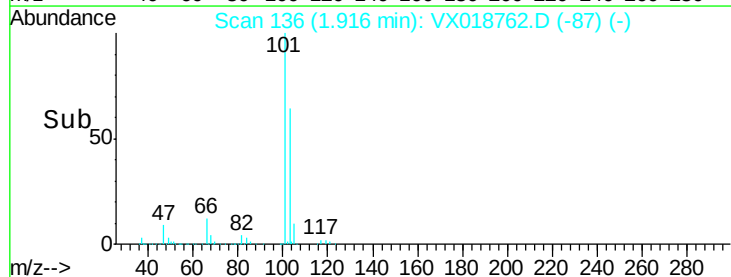
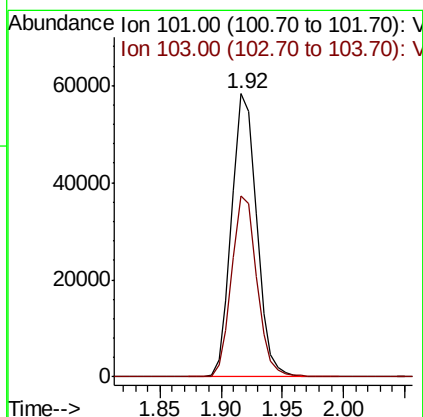
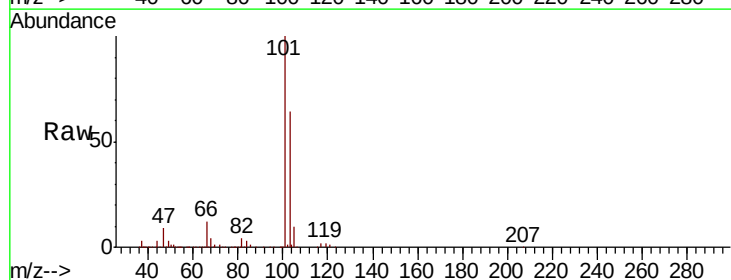
Instrument :
MSVOA_X
ClientSampleId :
VSTD00592

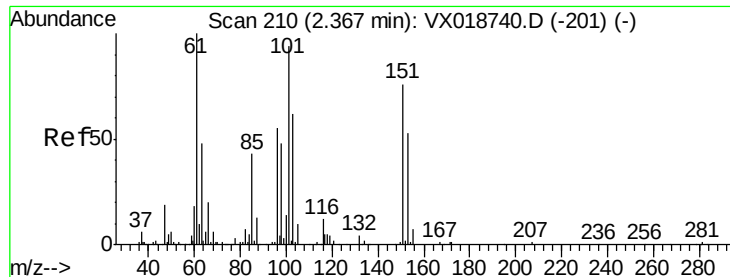
Tot Ion: 64 Resp: 29845
Ion Ratio Lower Upper
64 100
66 31.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 3.816 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Tgt Ion: 101 Resp: 82642
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.4





#10

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

Concen: 4.645 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD00592

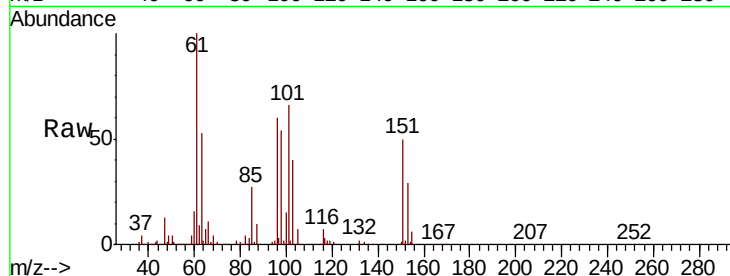
Tot Ion:101 Resp: 49065

Ion Ratio Lower Upper

101 100

85 40.9 37.1 55.7

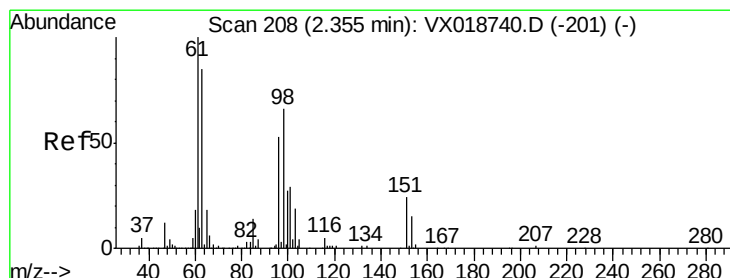
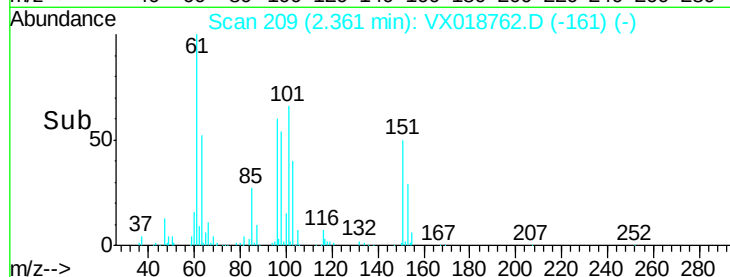
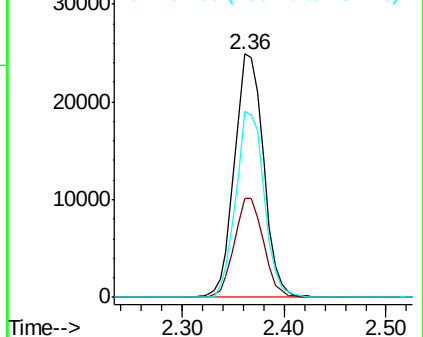
151 74.4 65.0 97.6



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: 4.733 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

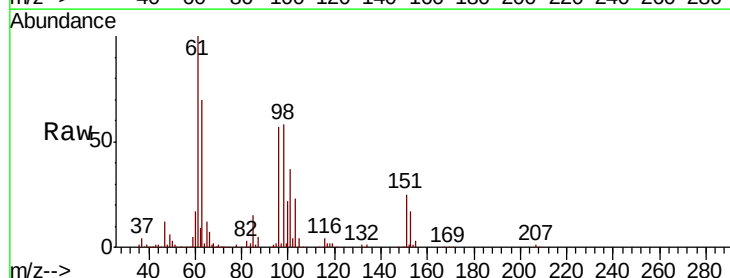
Tgt Ion: 96 Resp: 44344

Ion Ratio Lower Upper

96 100

61 174.6 133.2 247.4

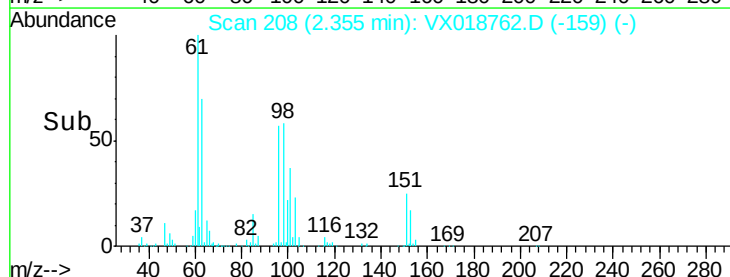
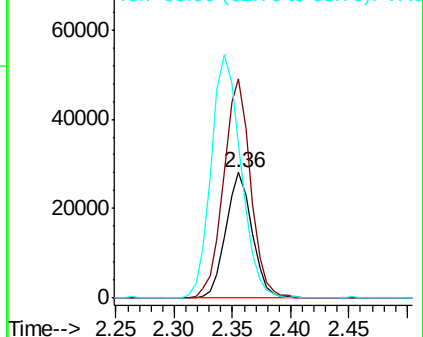
63 122.4 115.1 213.7

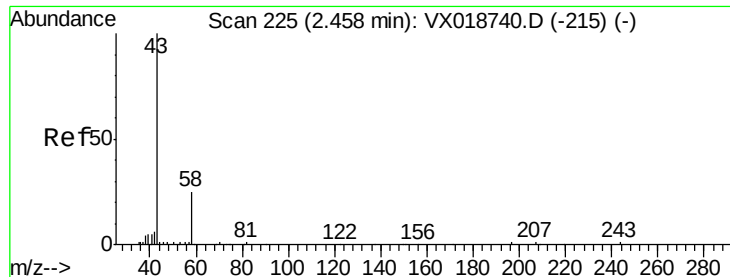


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 46.264 ug/L

RT: 2.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

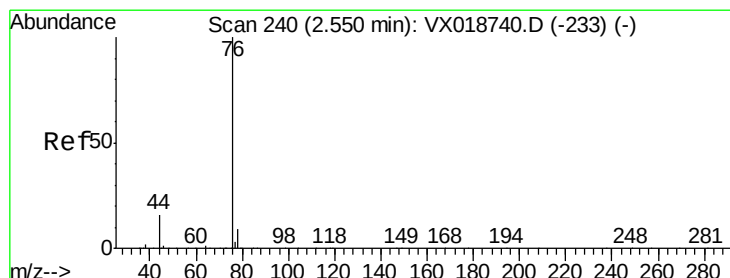
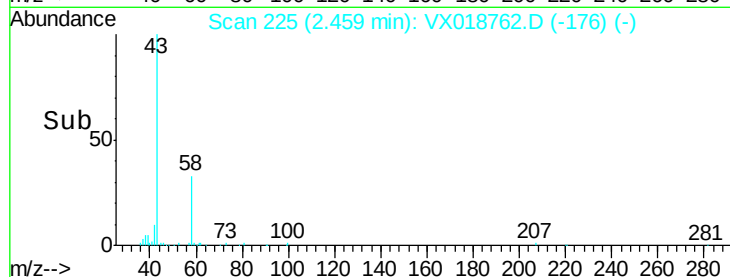
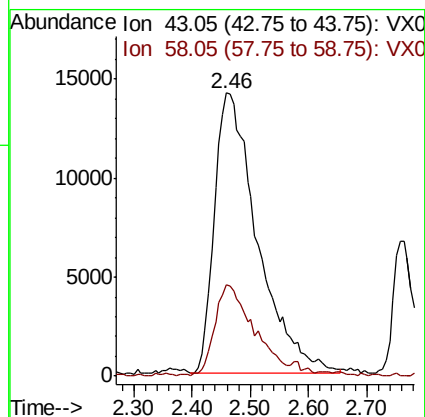
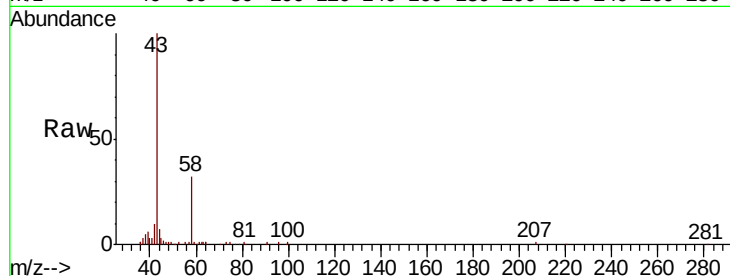
VSTD00592

Tot Ion: 43 Resp: 72793

Ion Ratio Lower Upper

43 100

58 29.6 0.0 56.4



#14

Carbon disulfide

Concen: 4.604 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018762.D

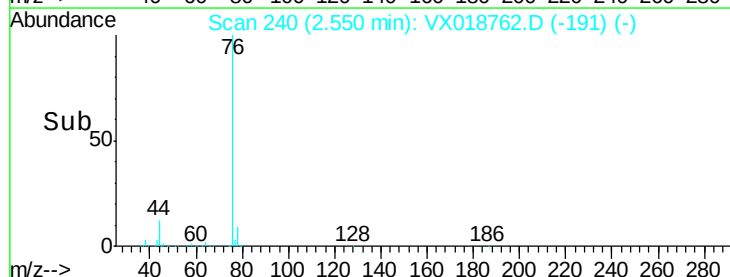
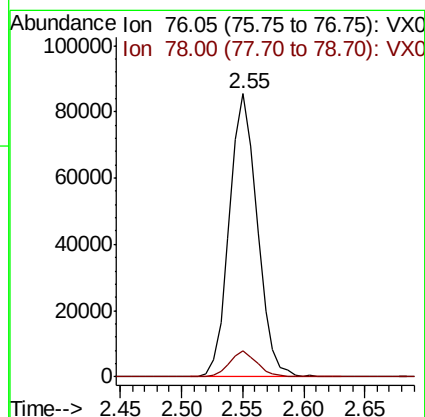
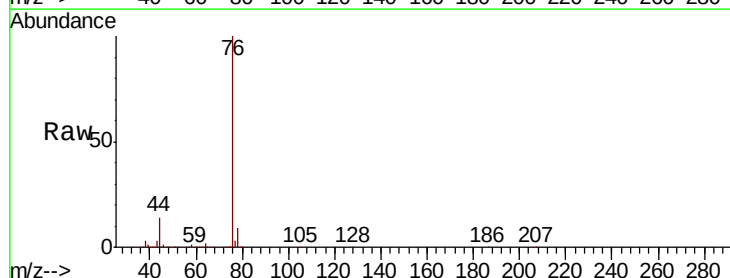
Acq: 05 Oct 2020 12:53

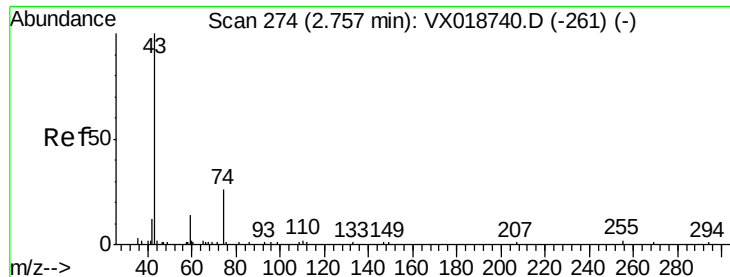
Tgt Ion: 76 Resp: 134998

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methvl Acetate

Concen: 4.897 ug/L

RT: 2.76 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

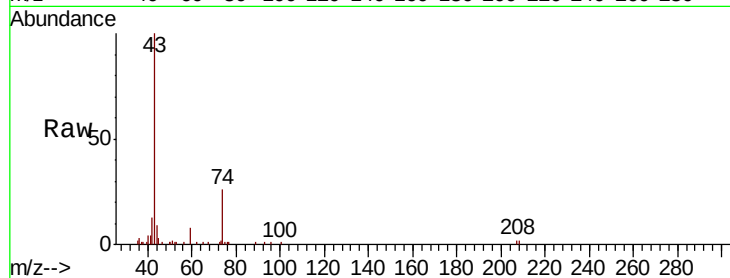
VSTD00592

Tot Ion: 43 Resp: 18938

Ion Ratio Lower Upper

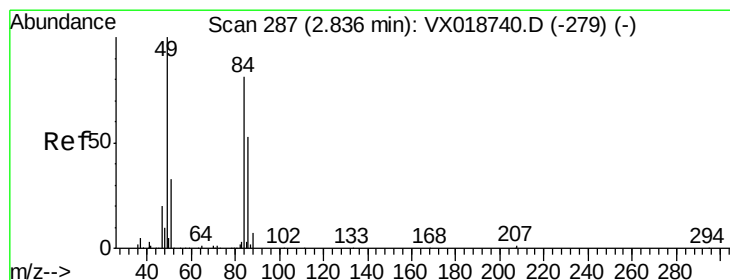
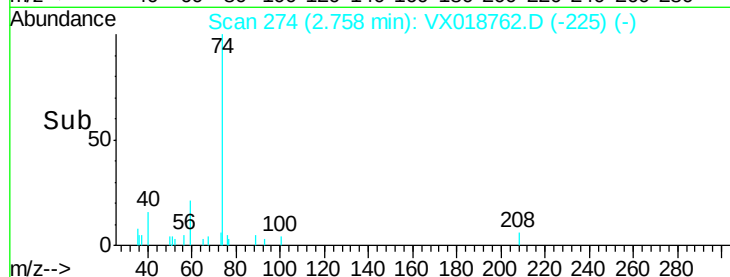
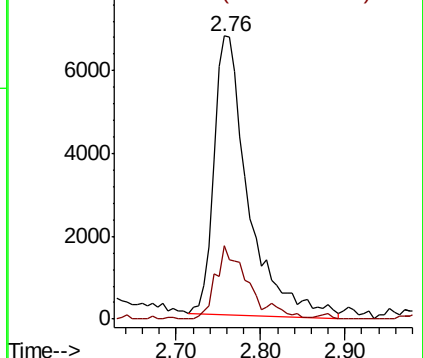
43 100

74 22.6 21.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 4.700 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

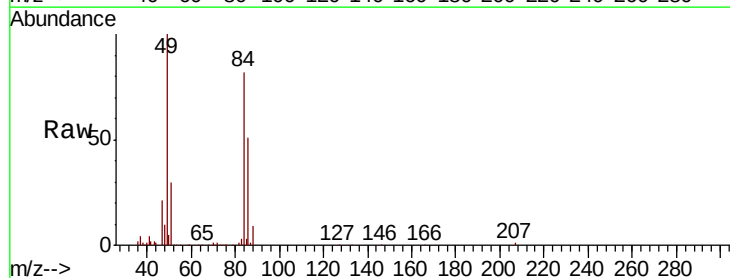
Tgt Ion: 84 Resp: 53391

Ion Ratio Lower Upper

84 100

86 62.1 45.6 84.8

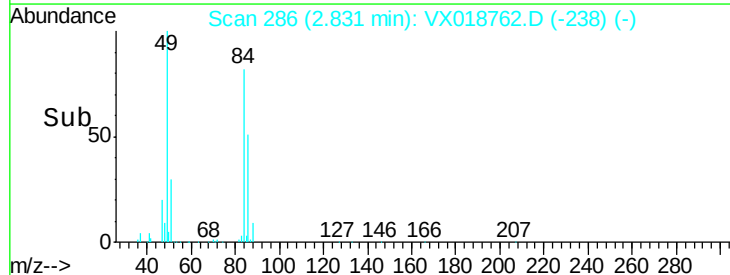
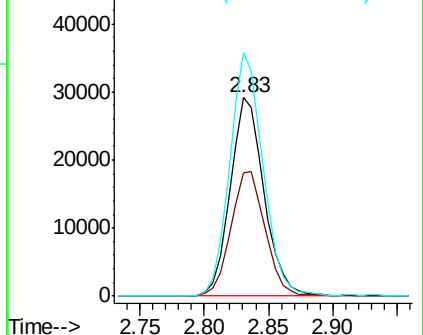
49 122.5 85.8 159.3

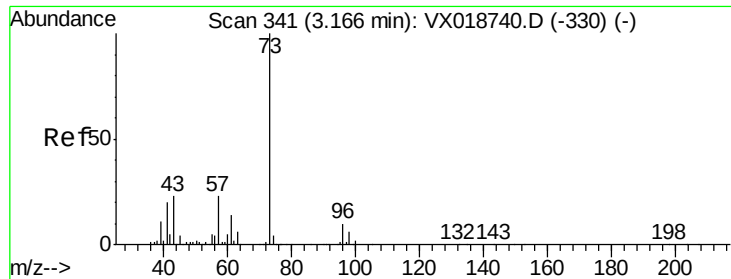


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

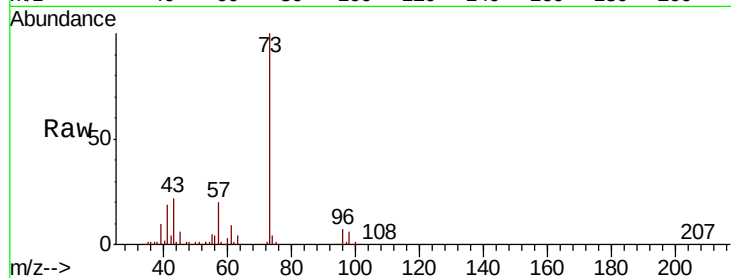




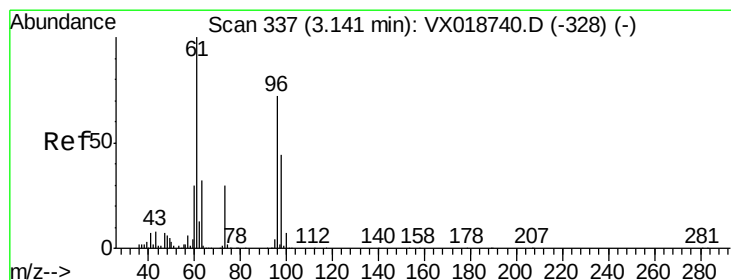
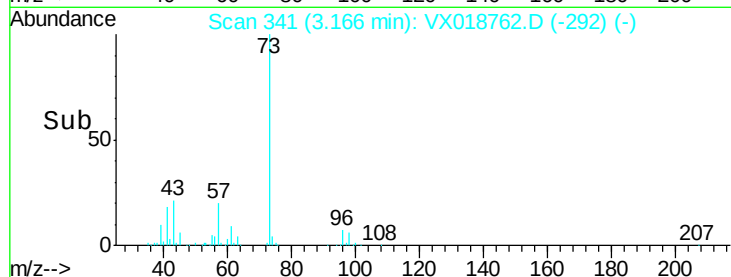
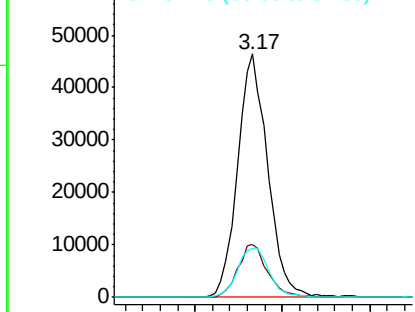
#17
Methyl tert-butyl Ether
Concen: 4.606 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Instrument :
MSVOA_X
ClientSampleId :
VSTD00592

Tot Ion	73	Resp	111313
Ion Ratio	Lower	Upper	
73	100		
43	21.7	19.4	29.0
57	21.6	17.2	25.8

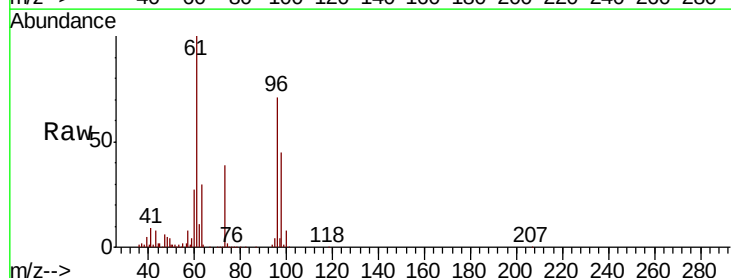


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

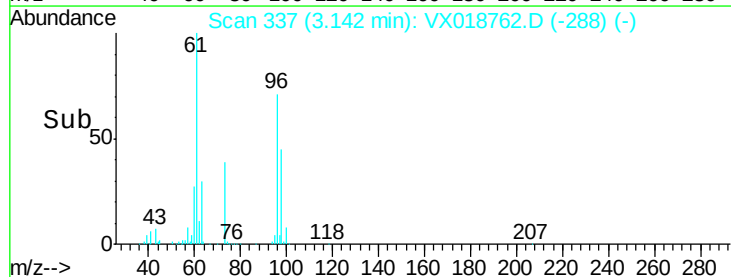
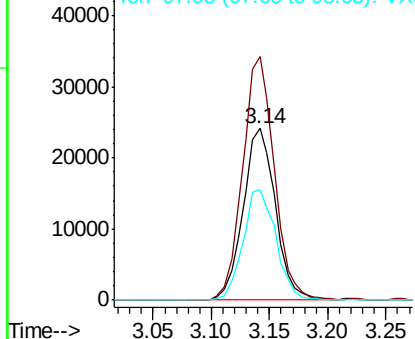


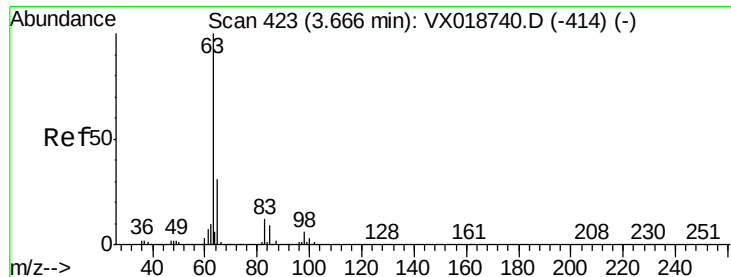
#18
trans-1,2-Dichloroethene
Concen: 4.666 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Tgt Ion	96	Resp	46815
Ion Ratio	Lower	Upper	
96	100		
61	141.7	97.6	181.4
98	64.3	43.1	80.1



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

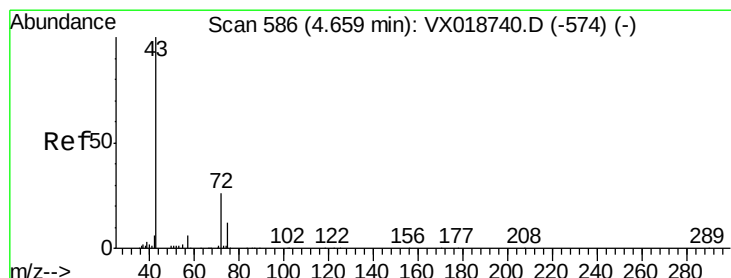
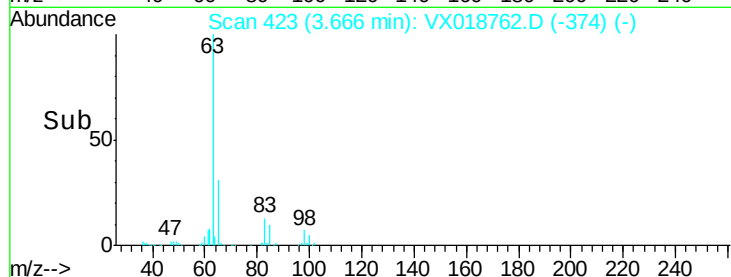
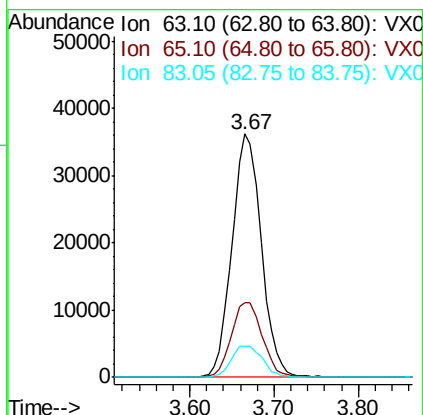
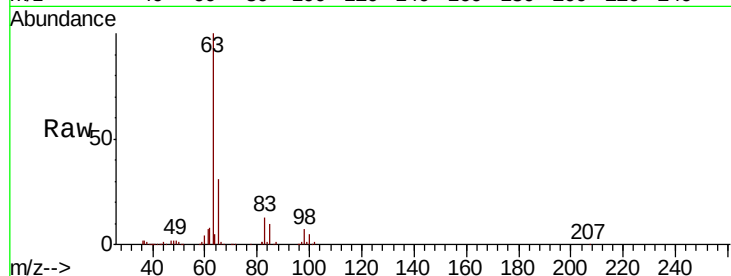




#19
 1,1-Dichloroethane
 Concen: 4.786 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

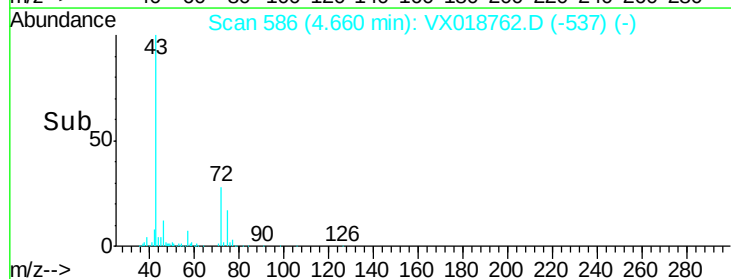
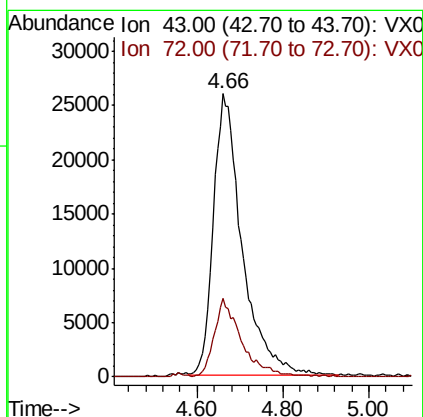
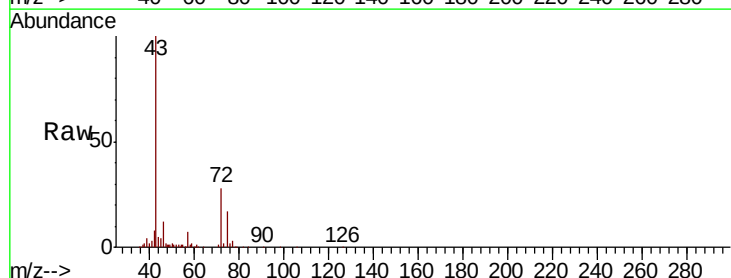
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

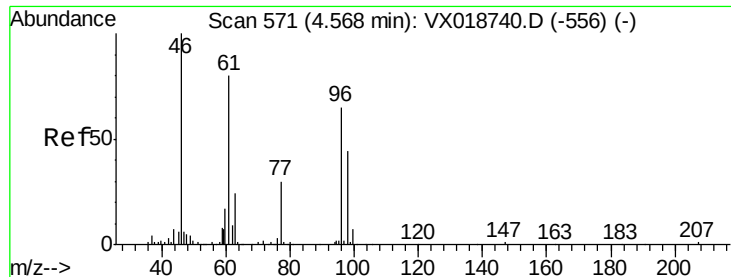
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.6	40.2
83	13.0	8.7	16.1



#21
 2-Butanone
 Concen: 53.194 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	12.4	37.2



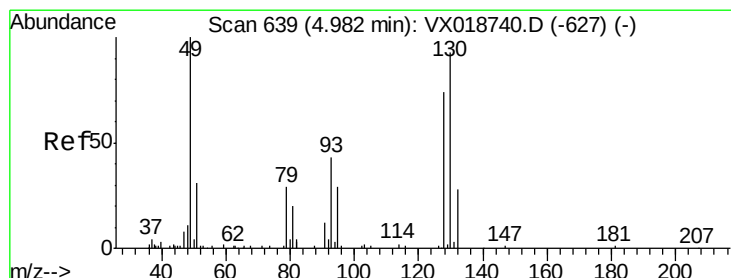
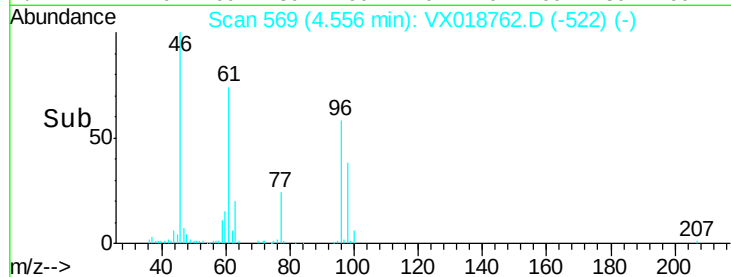
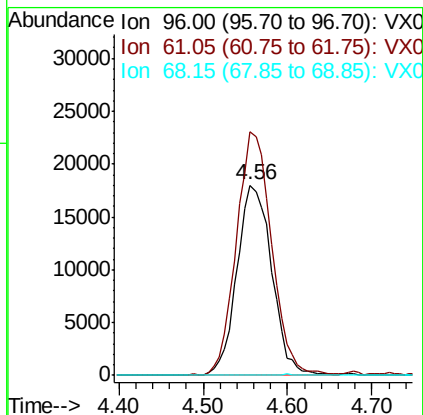
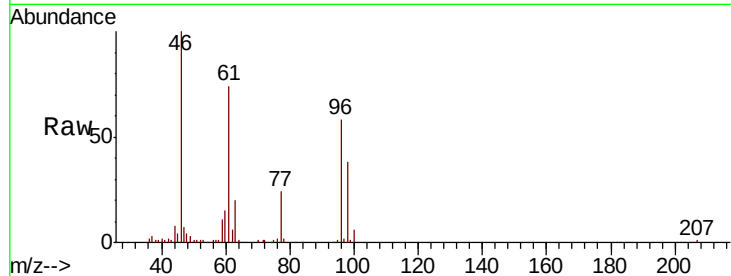


#22

cis-1,2-Dichloroethene
 Concen: 4.860 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

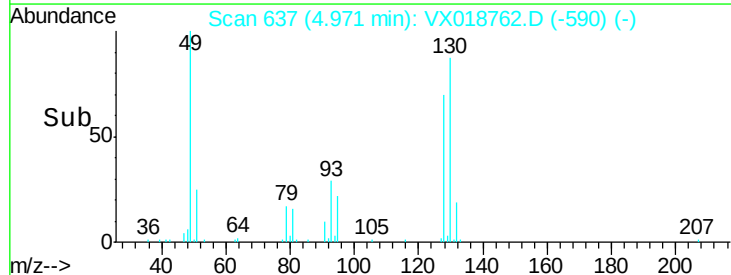
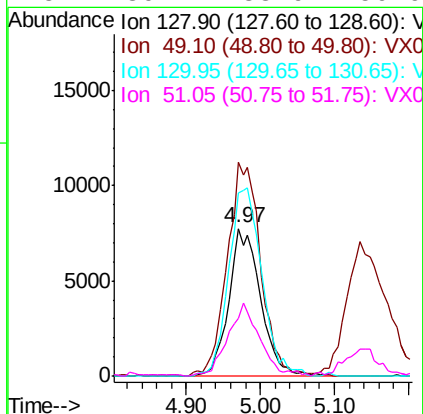
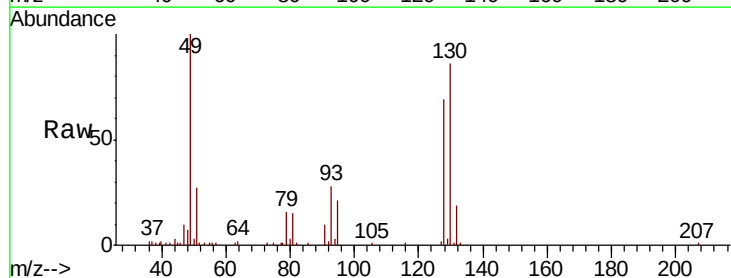
Tot Ion: 96 Resp: 50287
 Ion Ratio Lower Upper
 96 100
 61 127.9 86.2 160.0
 68 0.0 0.3 0.7#

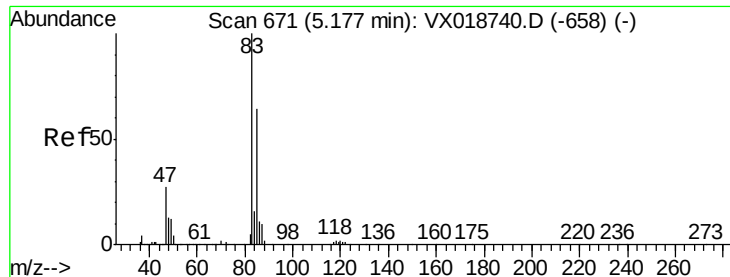


#23

Bromochloromethane
 Concen: 4.408 ug/L
 RT: 4.97 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion: 128 Resp: 23121
 Ion Ratio Lower Upper
 128 100
 49 144.9 94.5 175.5
 130 124.4 88.2 163.8
 51 39.2 33.9 50.9

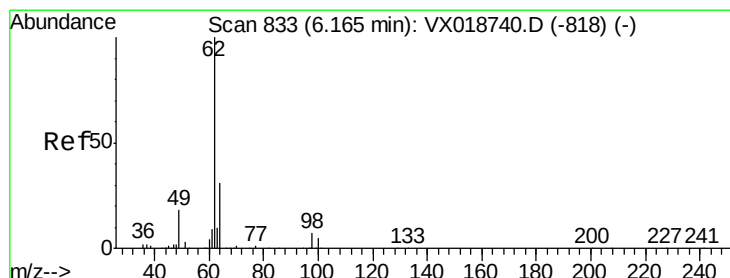
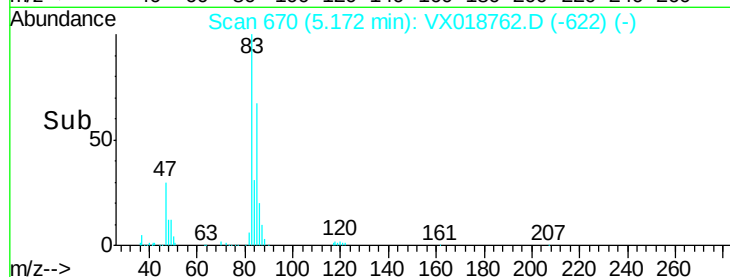
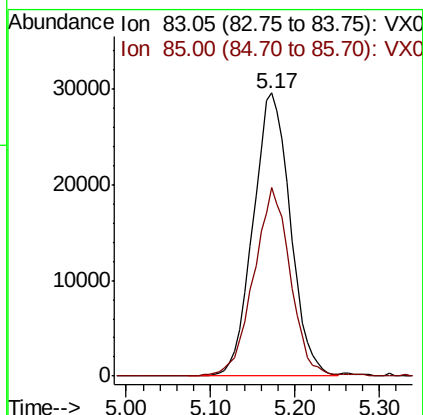
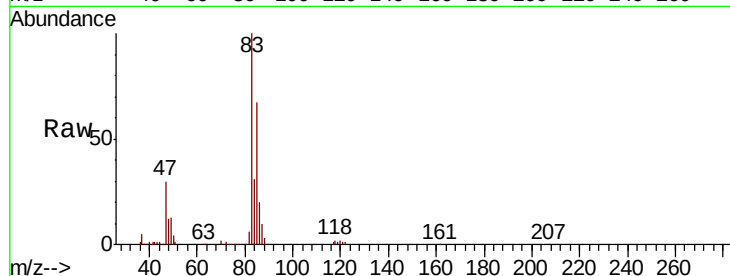




#25
Chloroform
Concen: 4.387 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

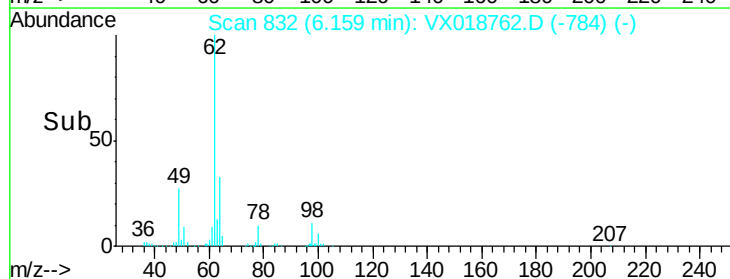
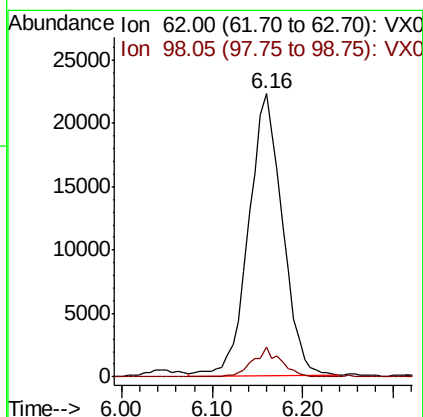
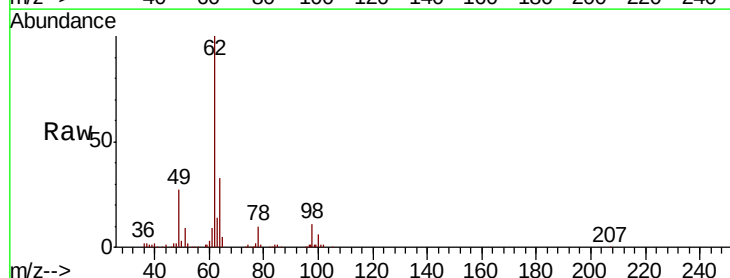
Instrument :
MSVOA_X
ClientSampleId :
VSTD00592

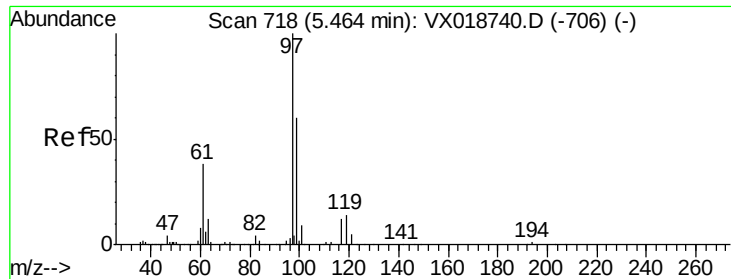
Tot Ion: 83 Resp: 89406
Ion Ratio Lower Upper
83 100
85 66.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 3.852 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Tgt Ion: 62 Resp: 57037
Ion Ratio Lower Upper
62 100
98 10.8 5.8 8.8#

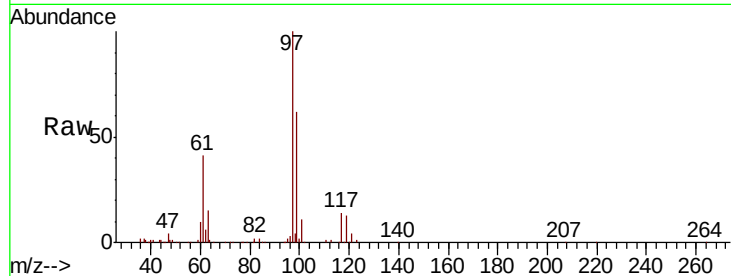




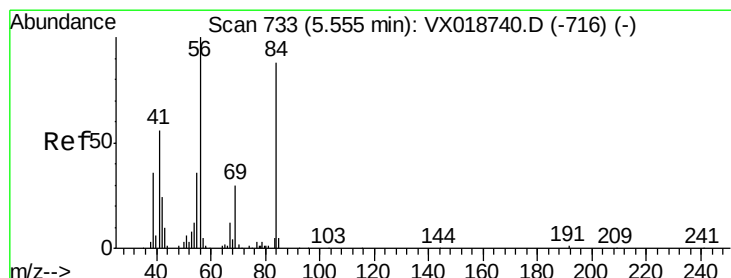
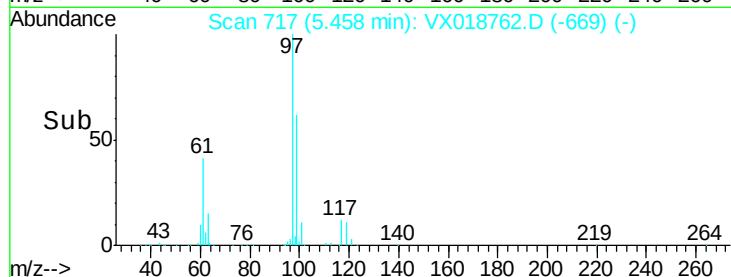
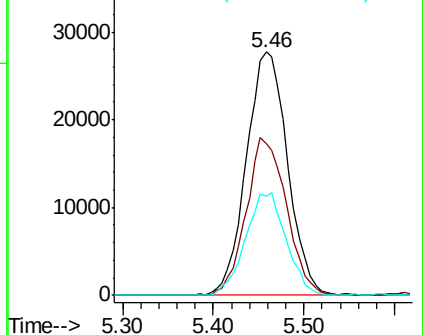
#29
 1,1,1-Trichloroethane
 Concen: 4.114 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

Tot Ion	97	Resp	87162
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	41.8	33.3	49.9

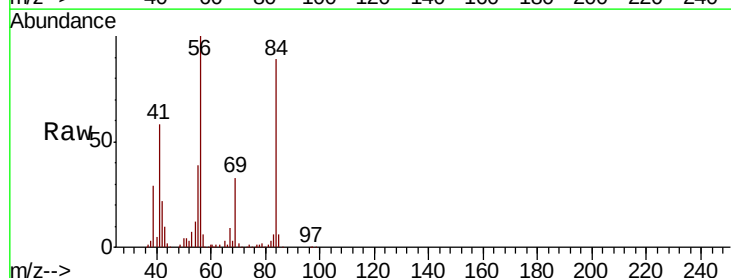


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

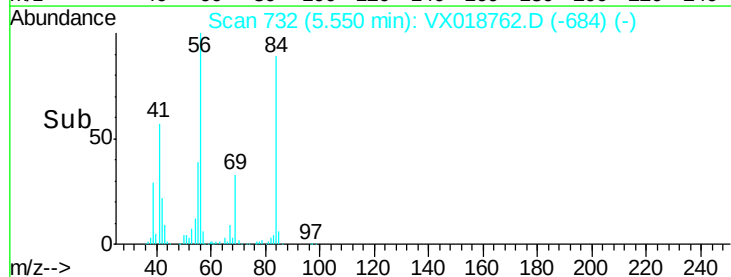
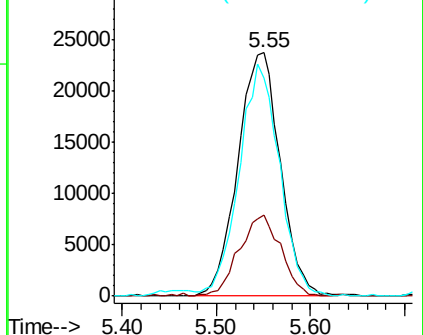


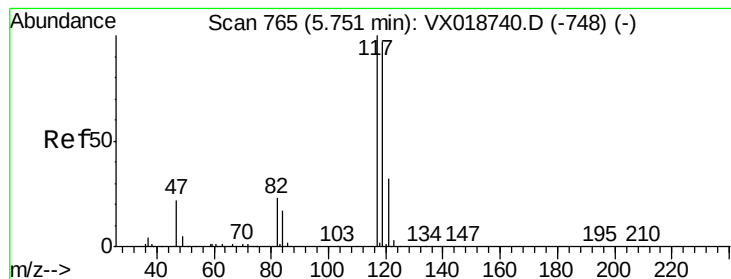
#30
 Cyclohexane
 Concen: 5.060 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion	56	Resp	74354
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.0	39.0
84	91.2	73.8	110.6



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: 4.080 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

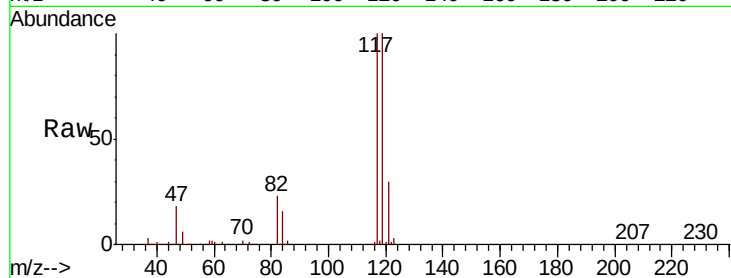
VSTD00592

Tot Ion:117 Resp: 79733

Ion Ratio Lower Upper

117 100

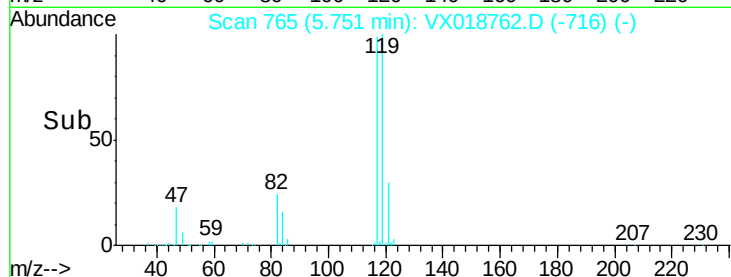
119 94.7 76.0 114.0



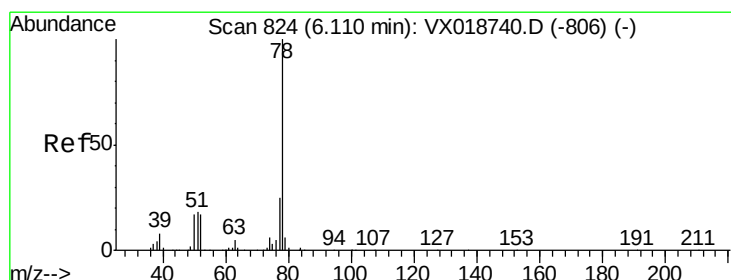
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.75



Time-->



#33

Benzene

Concen: 4.994 ug/L

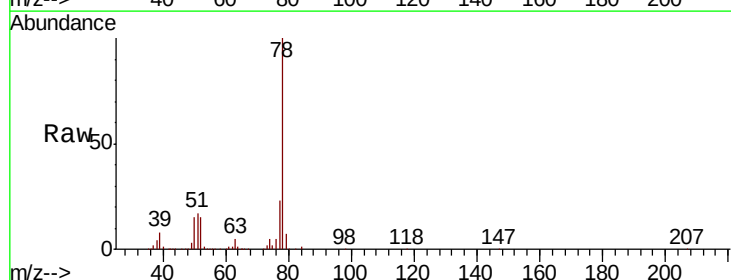
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX018762.D

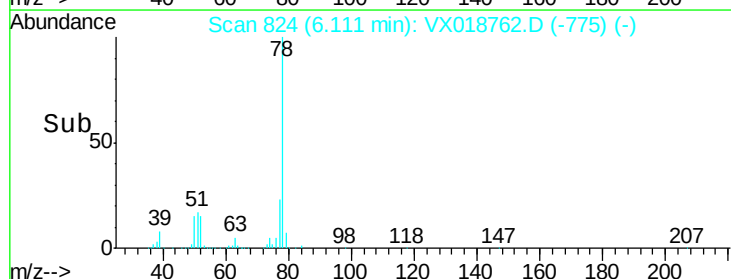
Acq: 05 Oct 2020 12:53

Tgt Ion: 78 Resp: 187295

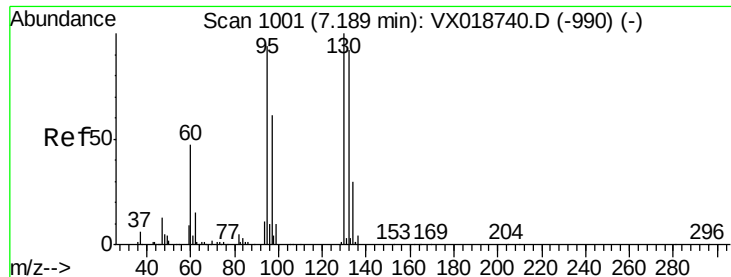


Abundance Ion 78.10 (77.80 to 78.80): VX0

6.11



Time-->



#34

Trichloroethene

Concen: 4.652 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD00592

Tot Ion: 95 Resp: 51510

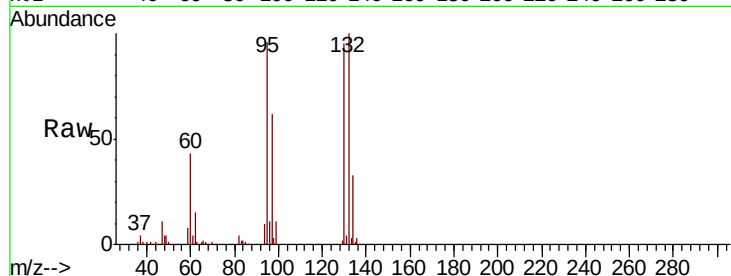
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 104.6 68.6 127.4

130 99.5 74.5 138.3



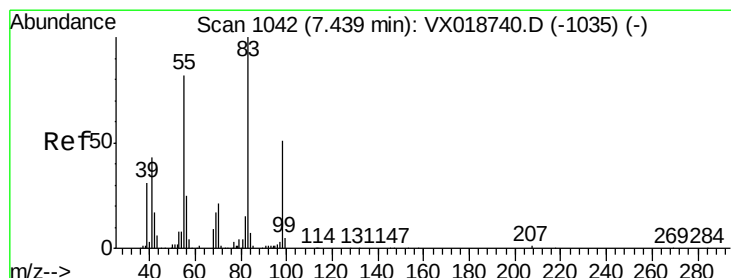
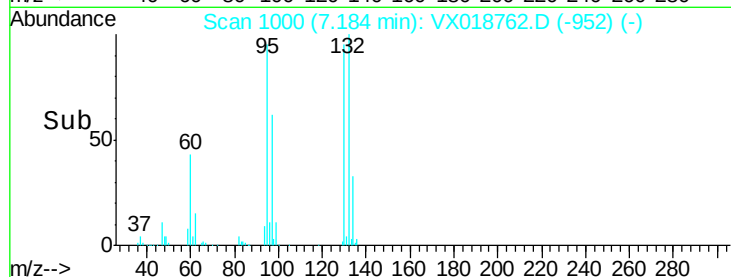
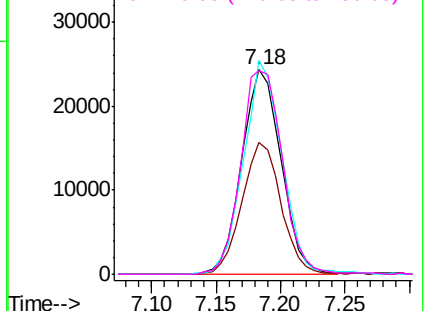
Abundance

Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.020 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

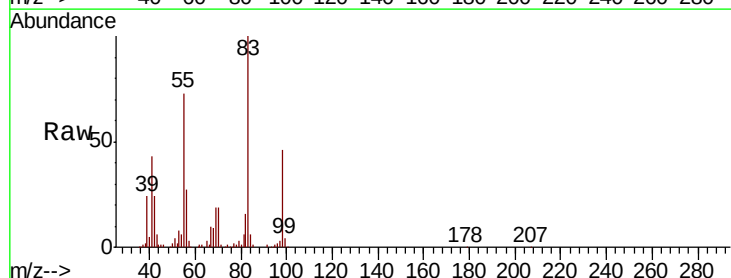
Tgt Ion: 83 Resp: 78765

Ion Ratio Lower Upper

83 100

55 76.9 60.3 90.5

98 49.8 39.4 59.0

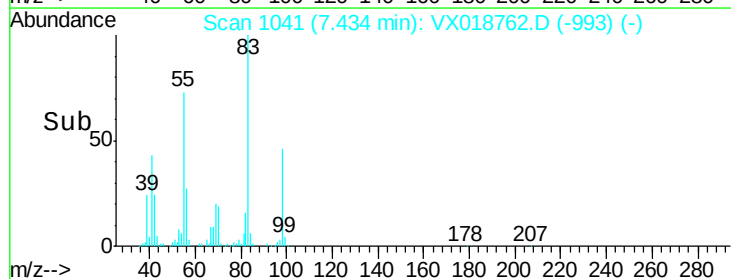
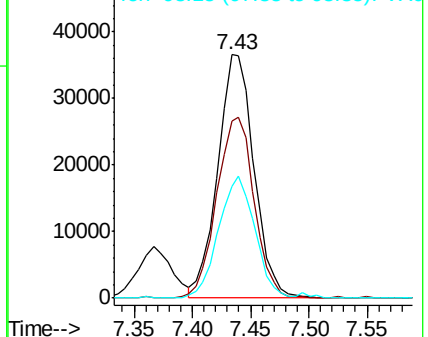


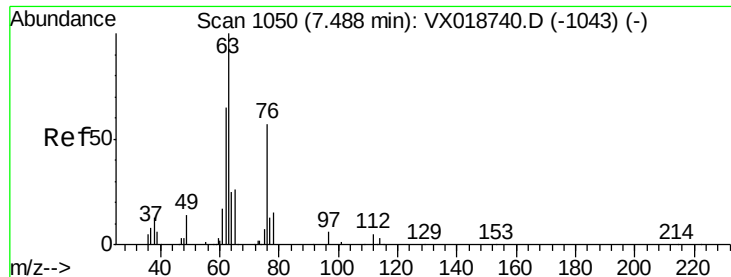
Abundance

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

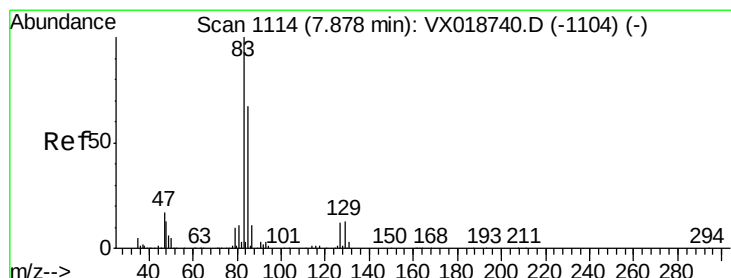
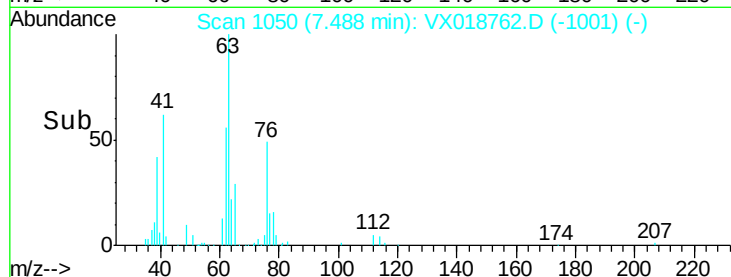
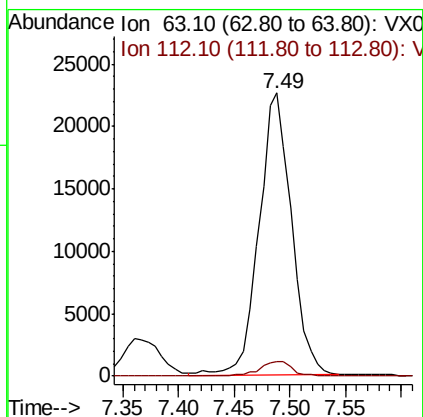
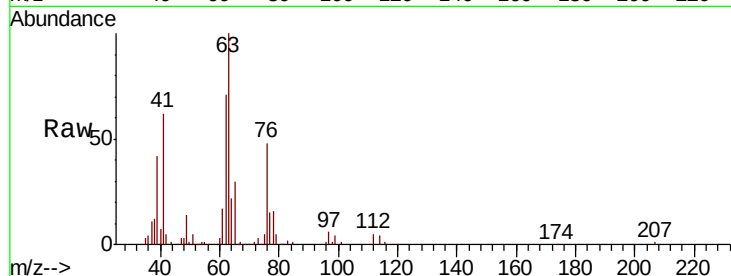




#37
 1,2-Dichloropropane
 Concen: 4.892 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

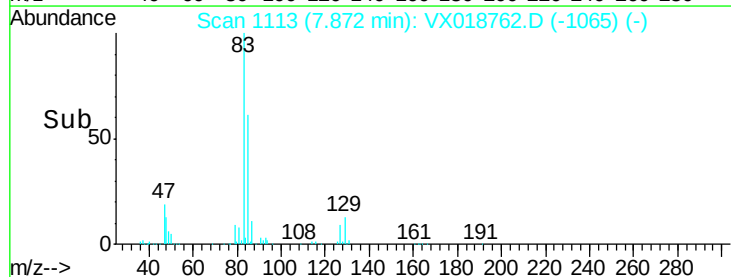
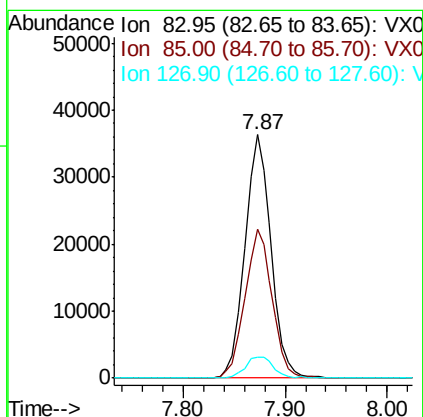
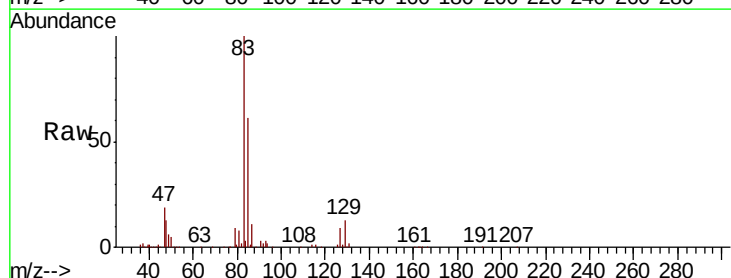
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

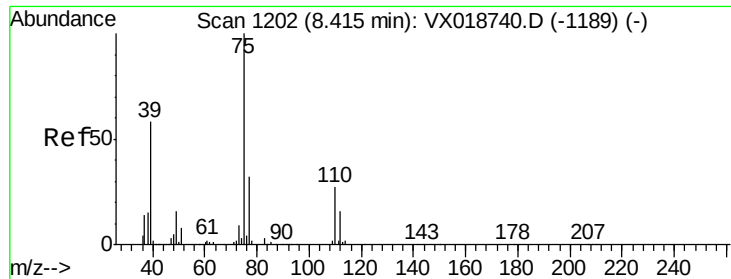
Tot Ion: 63 Resp: 45964
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.7 7.1



#38
 Bromodichloromethane
 Concen: 4.310 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion: 83 Resp: 64586
 Ion Ratio Lower Upper
 83 100
 85 61.2 46.6 86.6
 127 8.7 9.9 14.9#

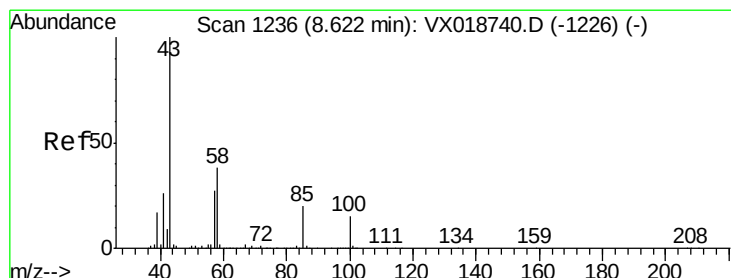
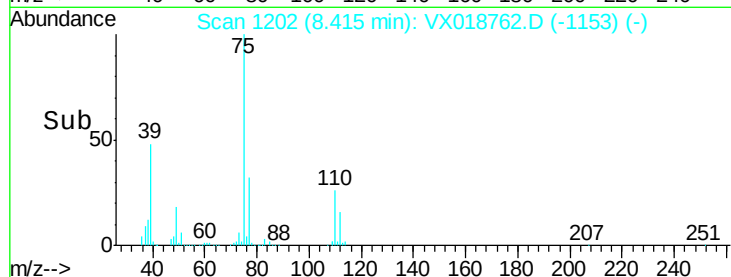
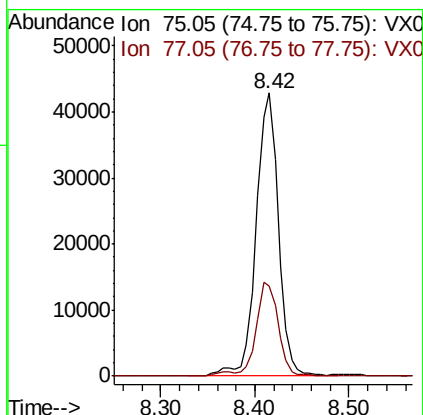
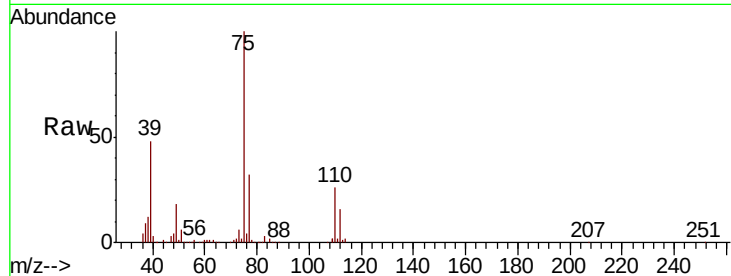




#39
 cis-1,3-Dichloropropene
 Concen: 4.754 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

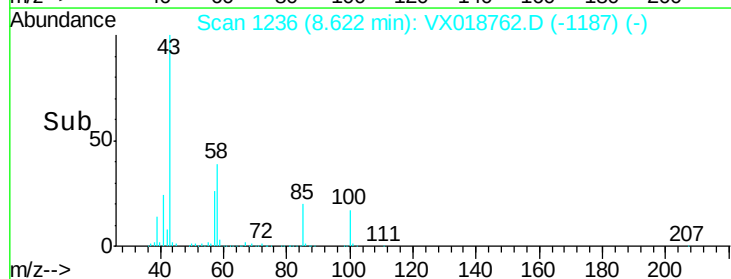
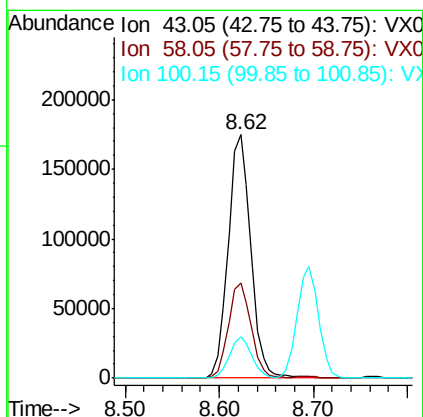
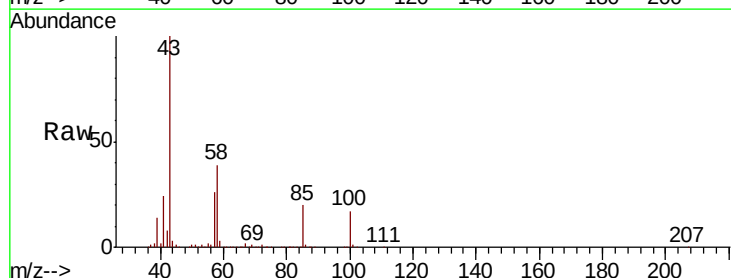
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

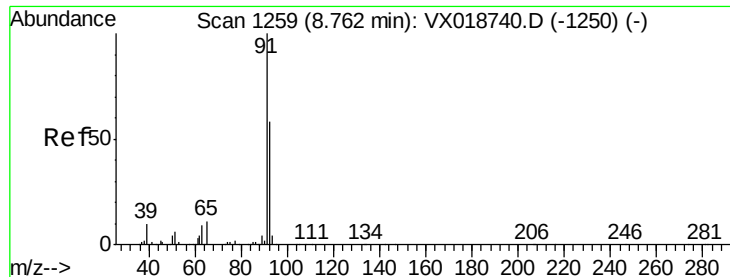
Tot Ion: 75 Resp: 71288
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 53.648 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion: 43 Resp: 292014
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.8 46.2
 100 16.7 13.2 19.8





#42

Toluene

Concen: 5.105 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

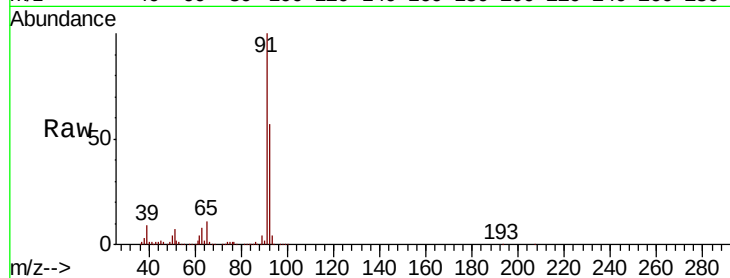
VSTD00592

Tot Ion: 91 Resp: 209503

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.76

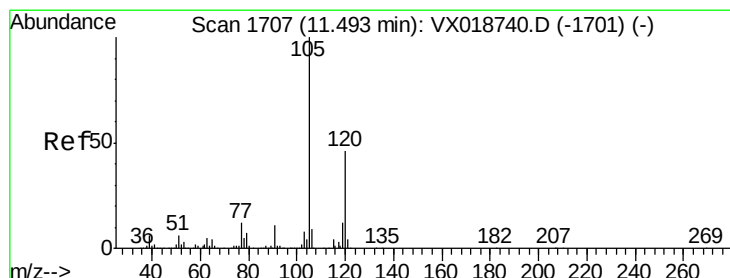
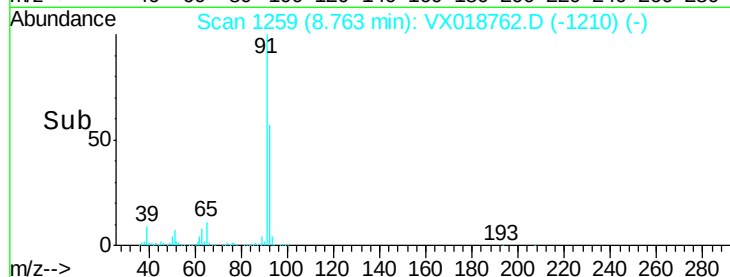
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.939 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018762.D

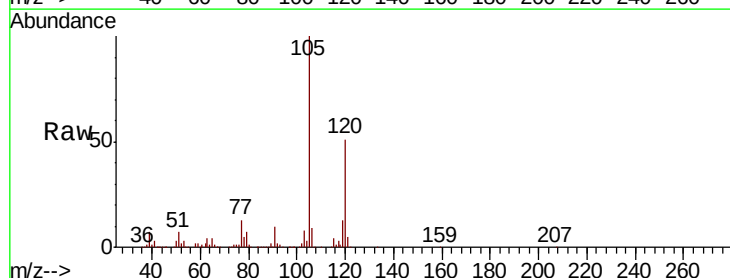
Acq: 05 Oct 2020 12:53

Tgt Ion:105 Resp: 191819

Ion Ratio Lower Upper

105 100

120 49.7 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

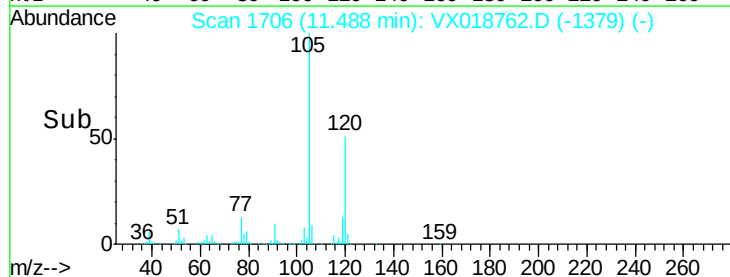
150000

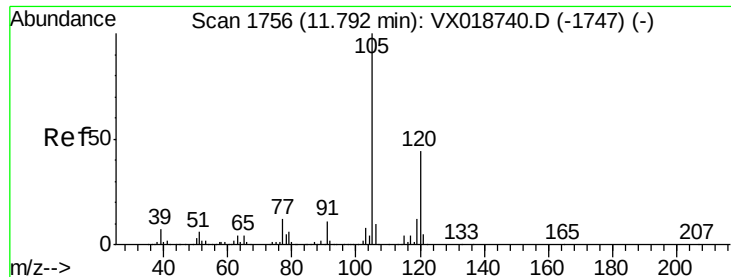
100000

50000

0

Time-->

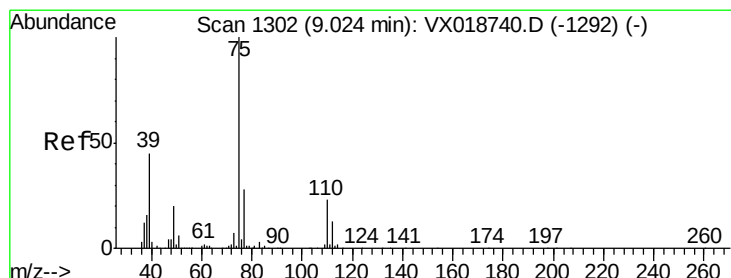
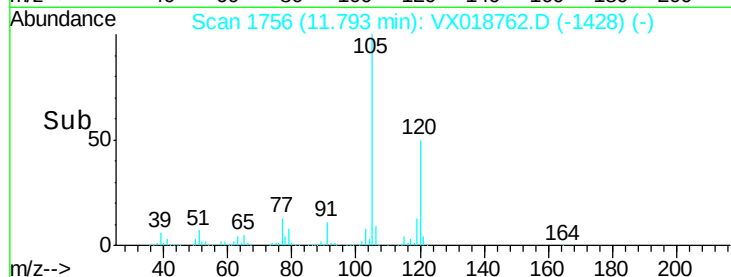
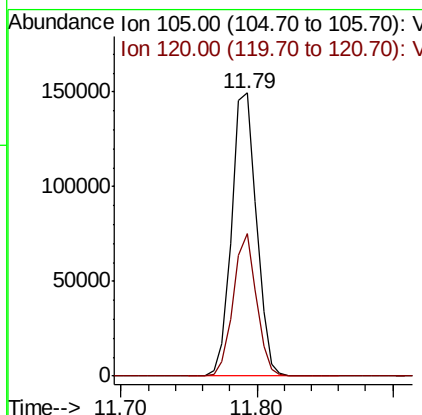
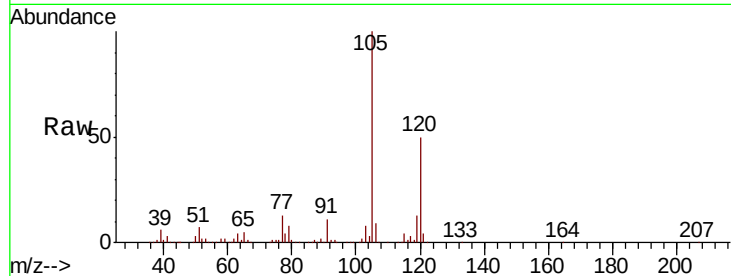




#44
 1,2,4-Trimethylbenzene
 Concen: 4.827 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

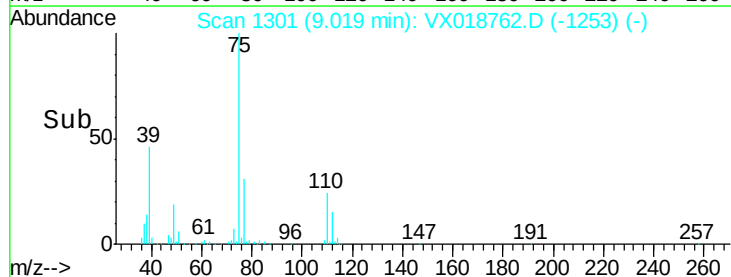
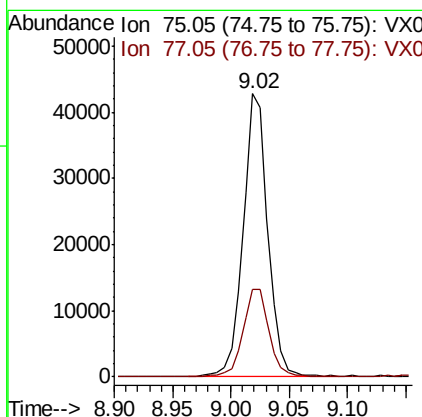
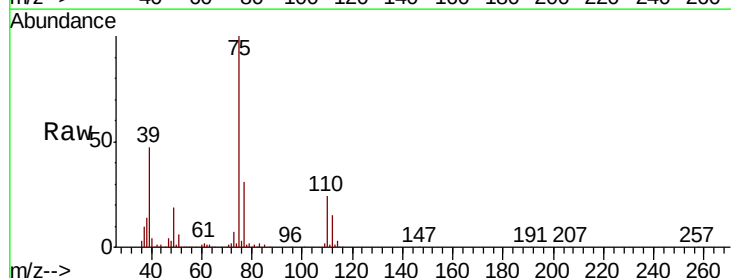
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

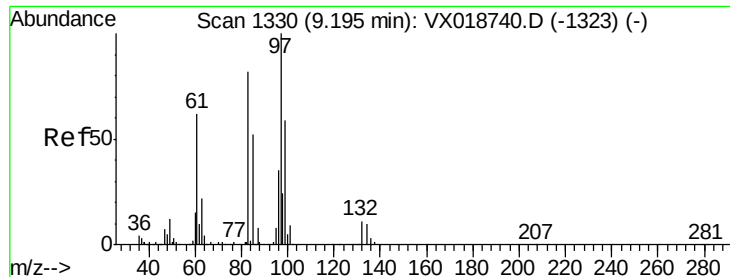
Tot Ion:105 Resp: 190313
 Ion Ratio Lower Upper
 105 100
 120 46.9 35.1 52.7



#46
 trans-1,3-Dichloropropene
 Concen: 4.574 ug/L
 RT: 9.02 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion: 75 Resp: 63334
 Ion Ratio Lower Upper
 75 100
 77 31.0 19.9 37.0





#47

1,1,2-Trichloroethane

Concen: 4.854 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD00592

Tot Ion: 97 Resp: 34420

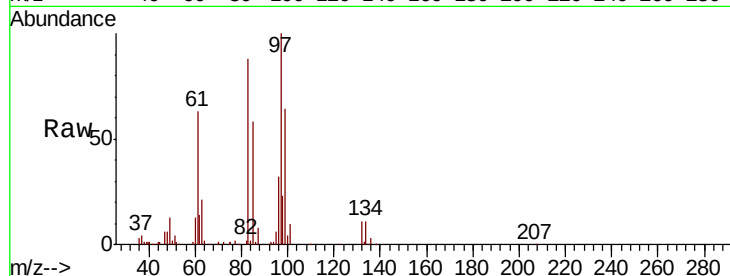
Ion Ratio Lower Upper

97 100

99 63.8 41.1 76.3

83 88.3 57.5 106.7

85 58.0 36.9 68.5

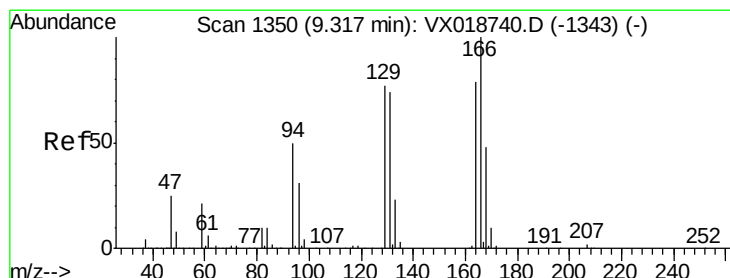
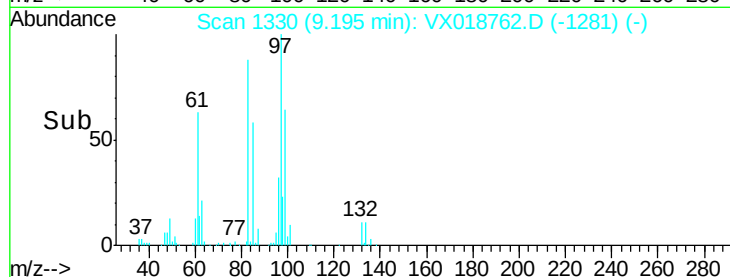
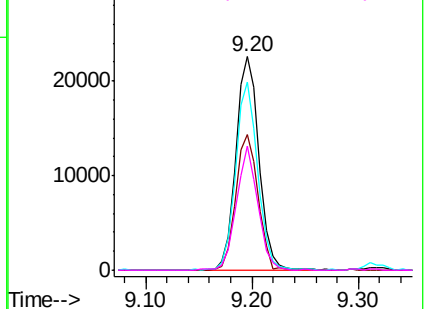


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#49

Tetrachloroethene

Concen: 4.474 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Tgt Ion: 164 Resp: 43309

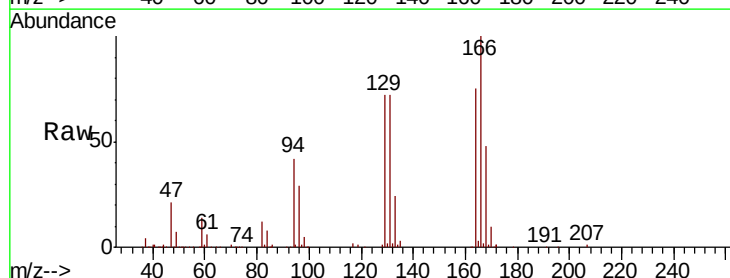
Ion Ratio Lower Upper

164 100

129 96.6 68.7 127.5

131 97.2 65.3 121.3

166 134.2 88.5 164.4

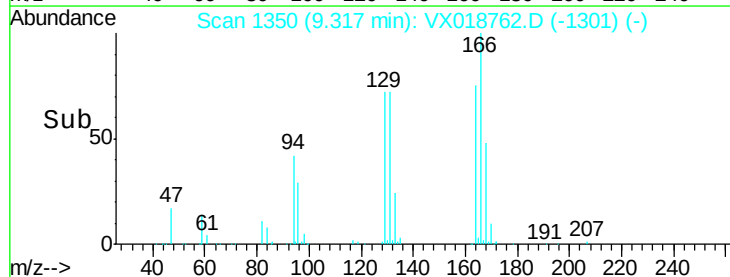
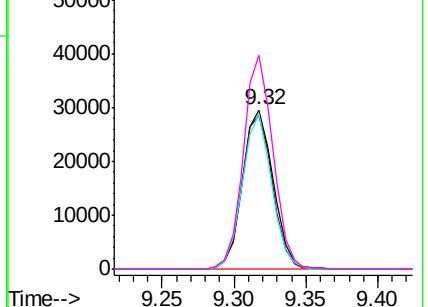


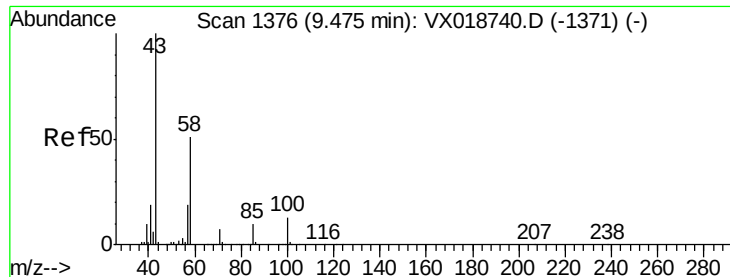
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

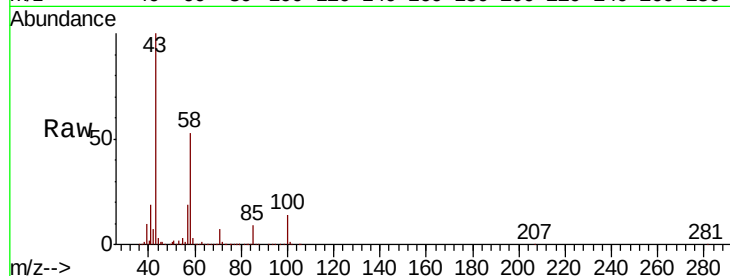




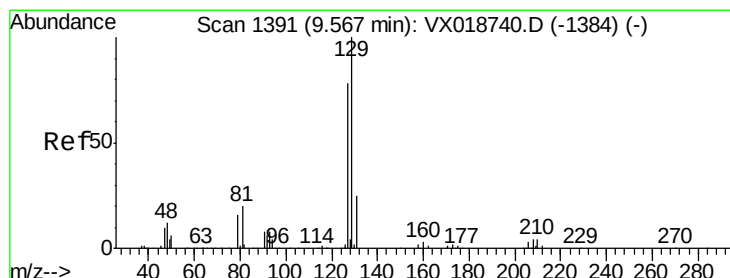
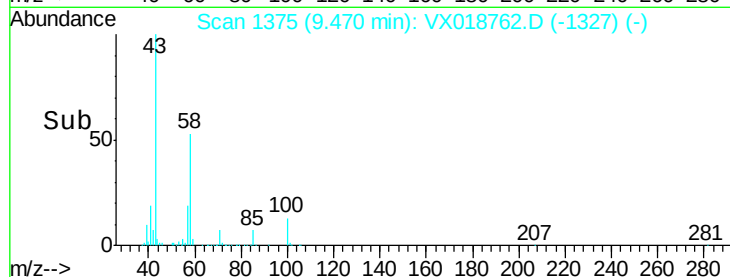
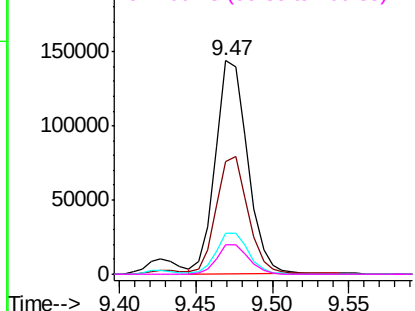
#50
2-Hexanone
Concen: 53.012 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Instrument :
MSVOA_X
ClientSampleId :
VSTD00592

Tot Ion:	43	Resp:	209573
Ion	Ratio	Lower	Upper
43	100		
58	55.0	41.0	61.4
57	19.7	15.9	23.9
100	13.8	10.1	15.1

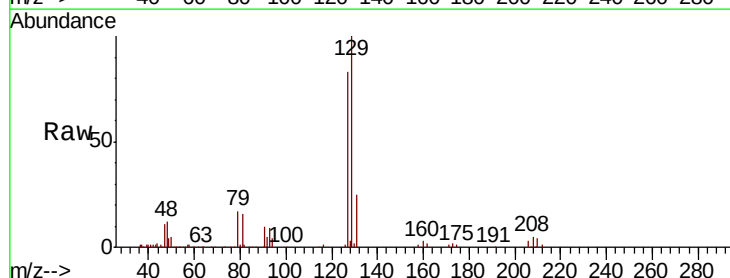


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

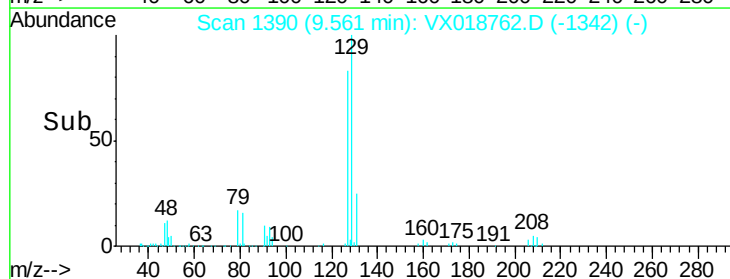
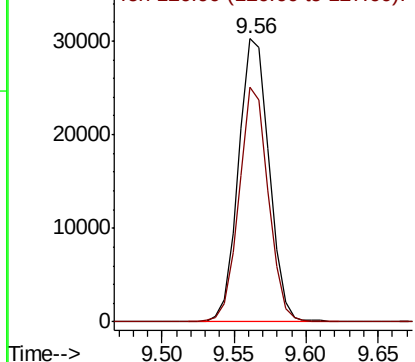


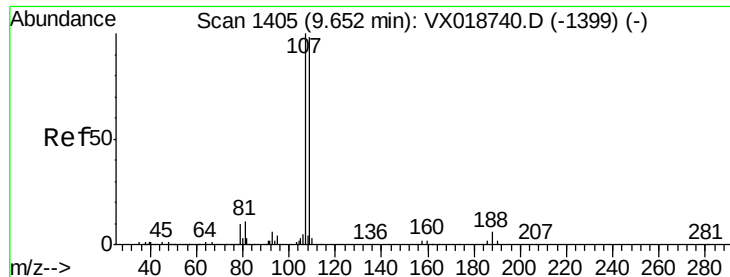
#51
Dibromochloromethane
Concen: 4.331 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Tgt Ion:	129	Resp:	44629
Ion	Ratio	Lower	Upper
129	100		
127	83.1	54.5	101.1



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





#52

1,2-Dibromoethane

Concen: 4.670 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD00592

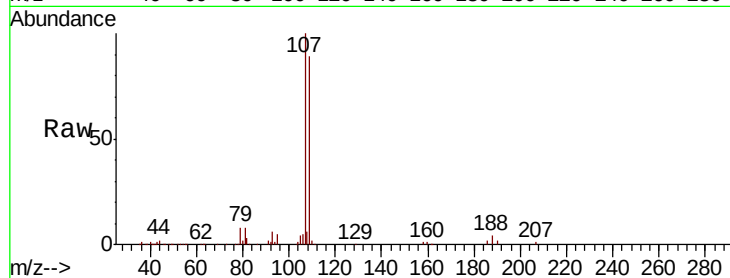
Tot Ion:107 Resp: 33474

Ion Ratio Lower Upper

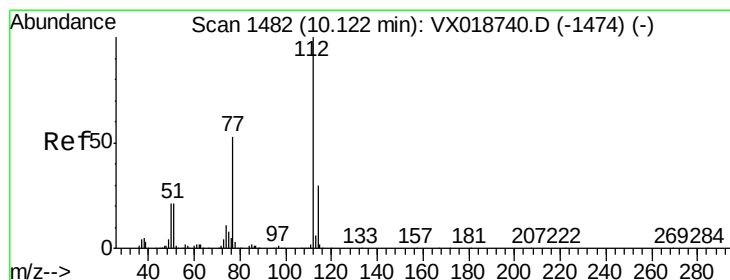
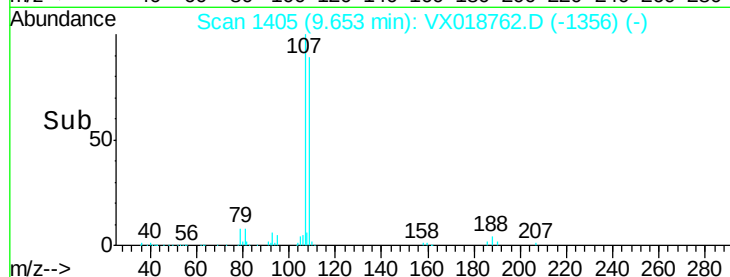
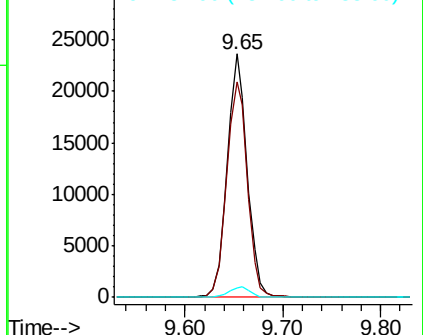
107 100

109 88.6 68.7 127.5

188 4.1 4.5 6.7#



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



#53

Chlorobenzene

Concen: 4.816 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

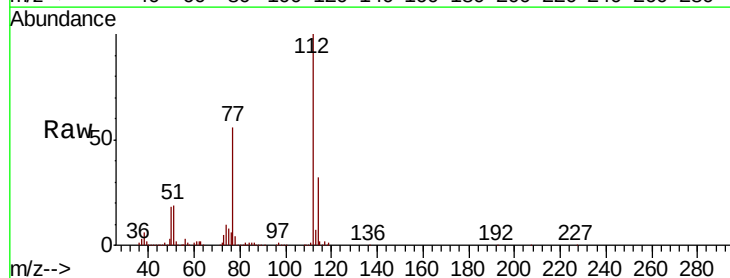
Tgt Ion:112 Resp: 135193

Ion Ratio Lower Upper

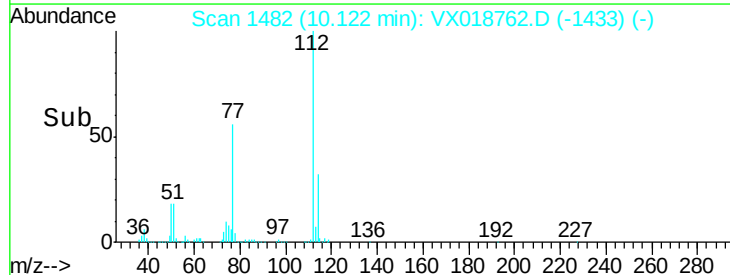
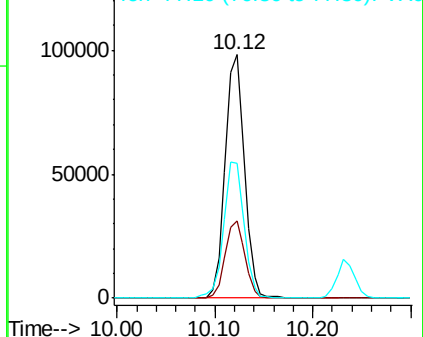
112 100

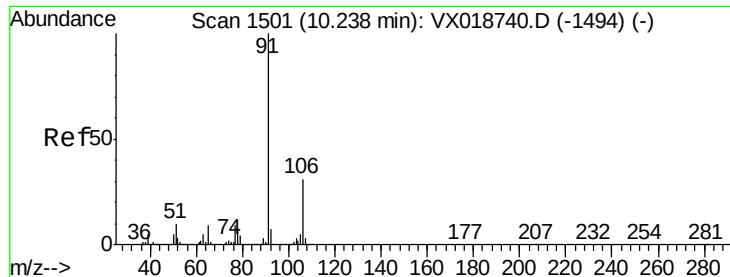
114 31.5 21.3 39.5

77 55.5 42.4 63.6



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





#54

Ethylbenzene

Concen: 4.885 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

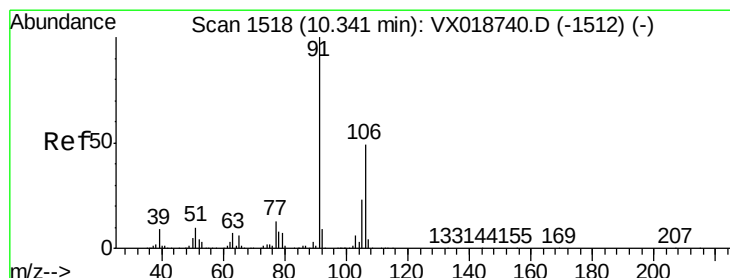
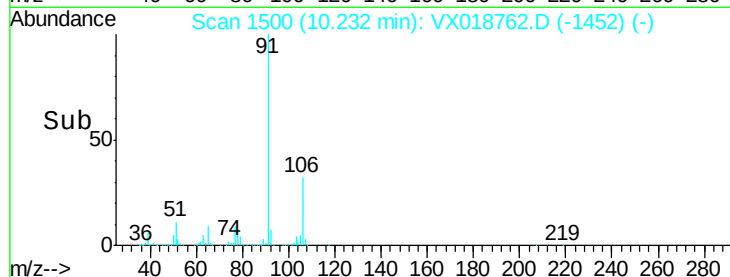
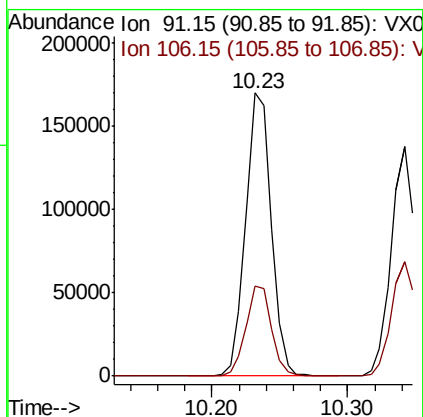
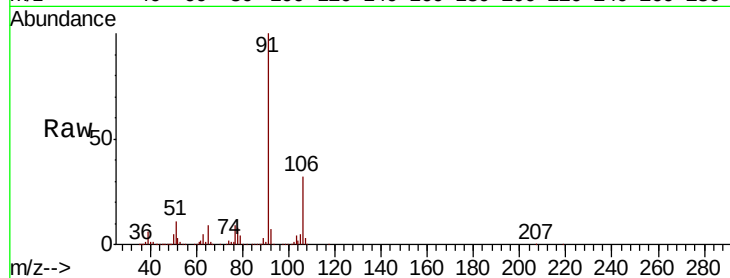
VSTD00592

Tot Ion: 91 Resp: 224744

Ion Ratio Lower Upper

91 100

106 31.9 21.5 39.9



#55

m,p-xylene

Concen: 4.939 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018762.D

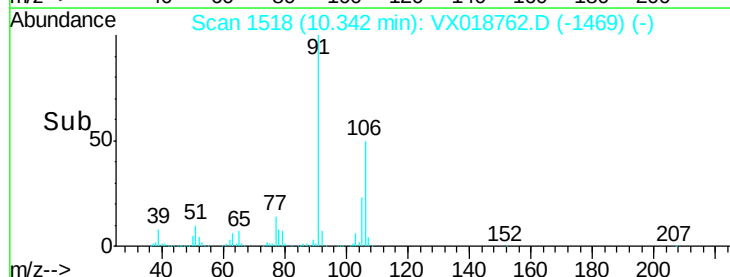
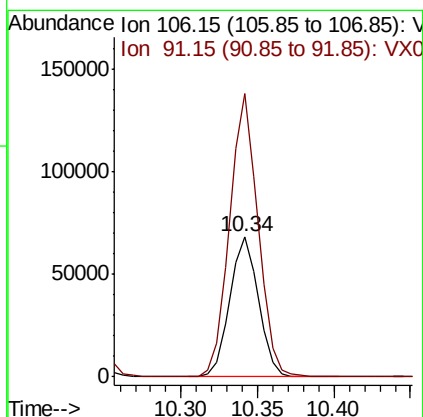
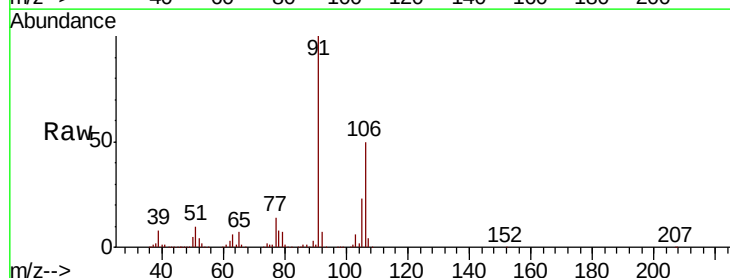
Acq: 05 Oct 2020 12:53

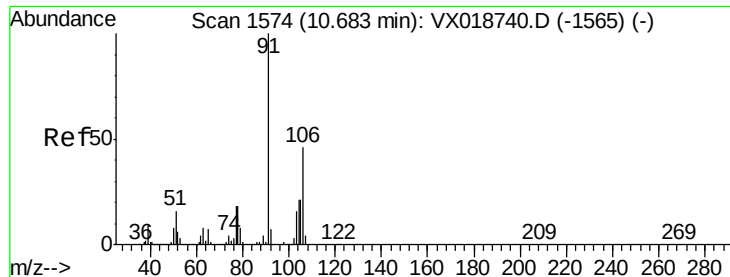
Tgt Ion: 106 Resp: 88632

Ion Ratio Lower Upper

106 100

91 201.6 143.4 266.2

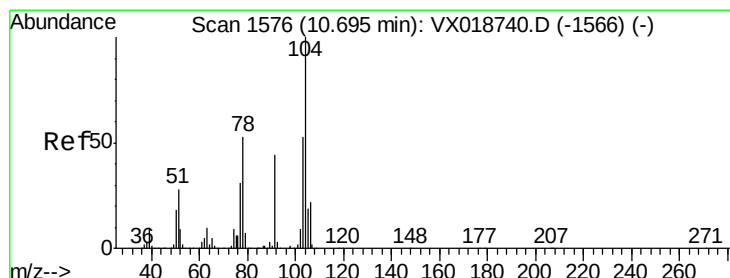
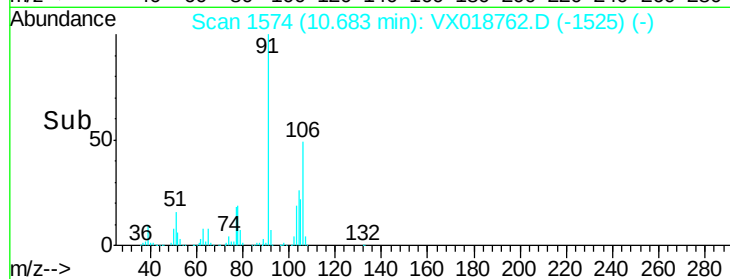
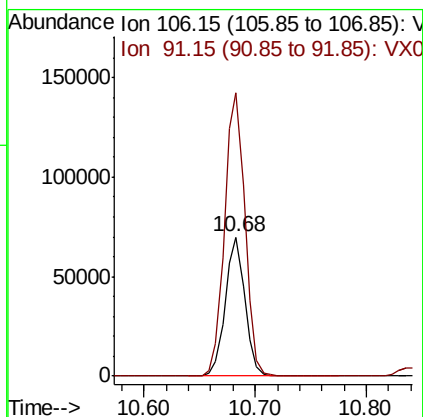
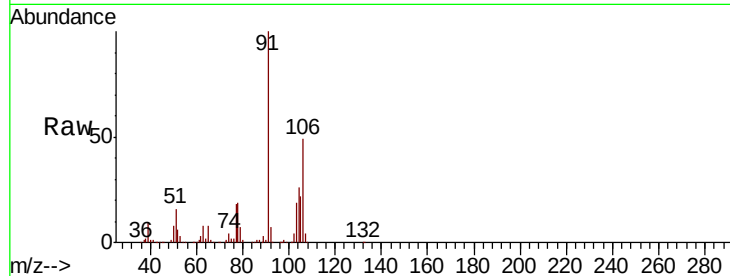




#56
o-xylene
Concen: 5.136 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

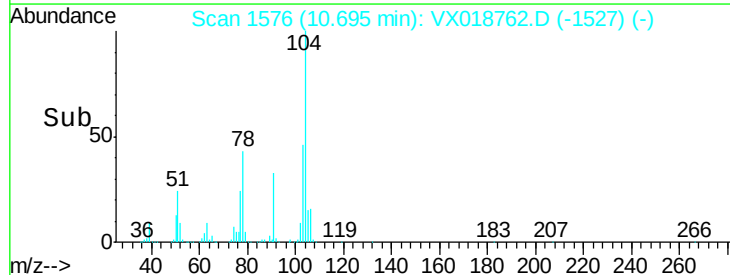
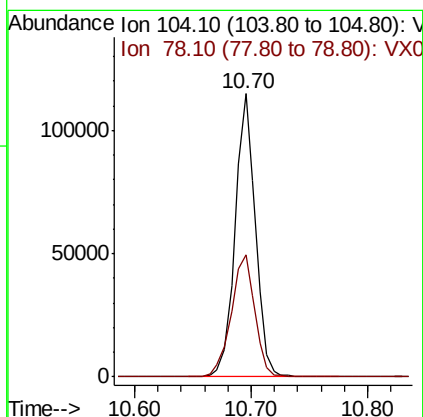
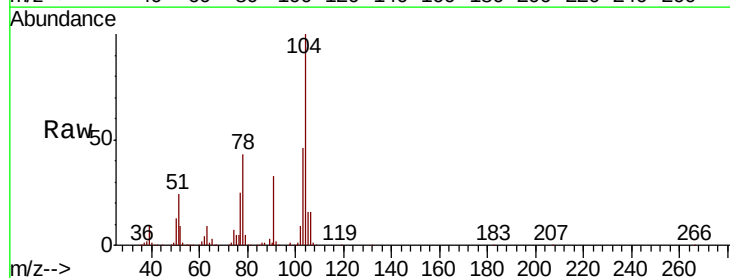
Instrument :
MSVOA_X
ClientSampleId :
VSTD00592

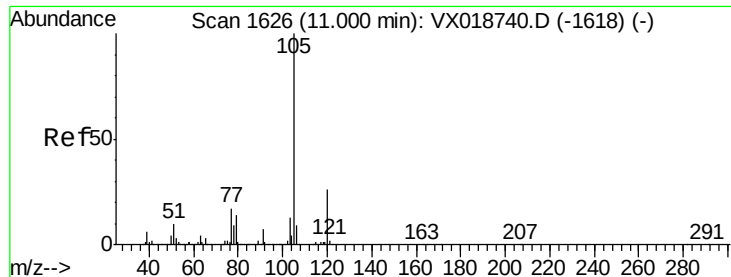
Tot Ion:106 Resp: 85169
Ion Ratio Lower Upper
106 100
91 204.1 153.4 284.8



#57
Styrene
Concen: 4.924 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Tgt Ion:104 Resp: 139288
Ion Ratio Lower Upper
104 100
78 43.2 37.1 68.9





#58

Isopropylbenzene

Concen: 4.917 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD00592

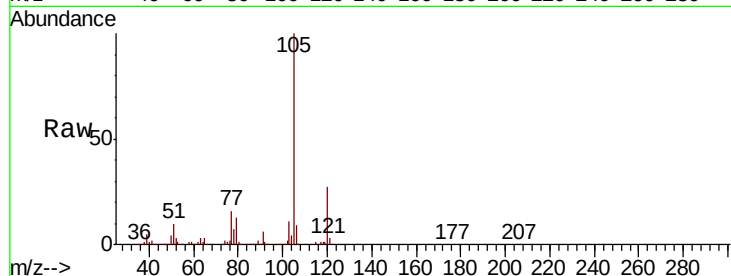
Tot Ion:105 Resp: 228274

Ion Ratio Lower Upper

105 100

120 26.8 20.2 30.2

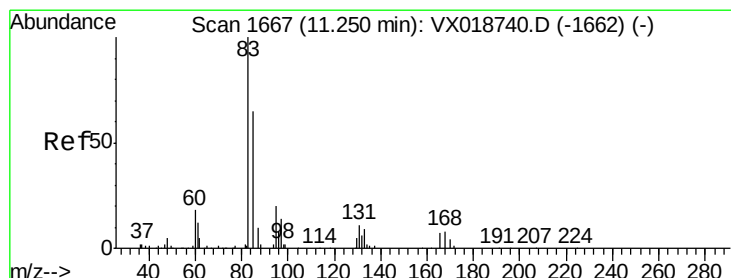
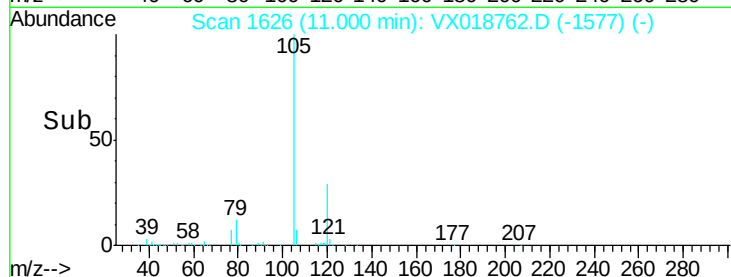
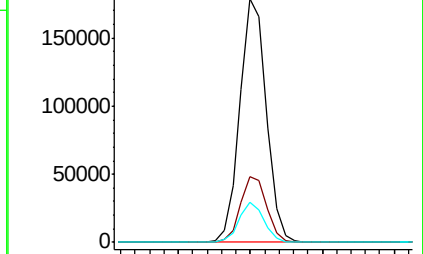
77 15.7 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.211 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

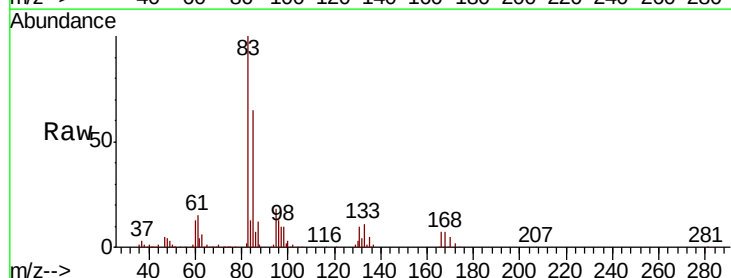
Tgt Ion: 83 Resp: 40958

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.5

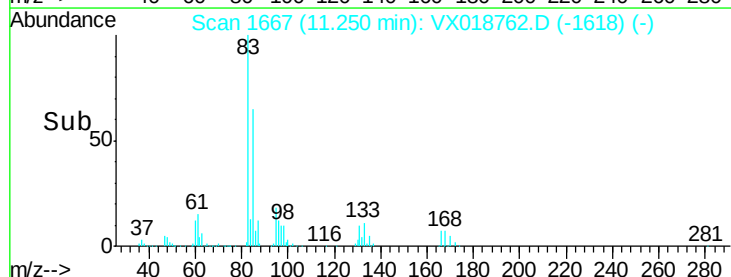
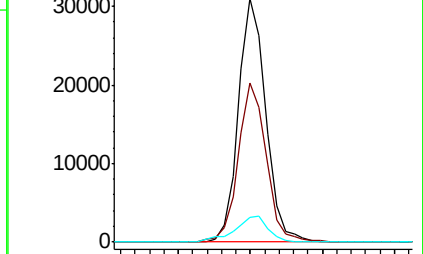
131 10.0 9.6 14.4

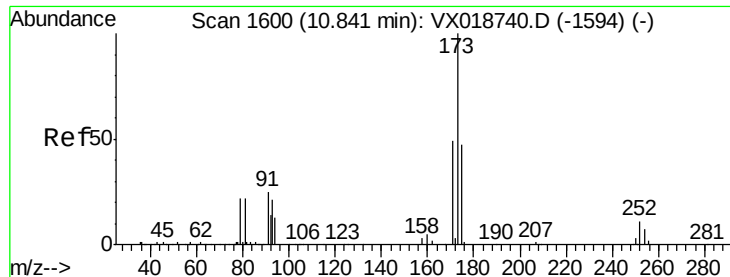


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.245 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampled :

VSTD00592

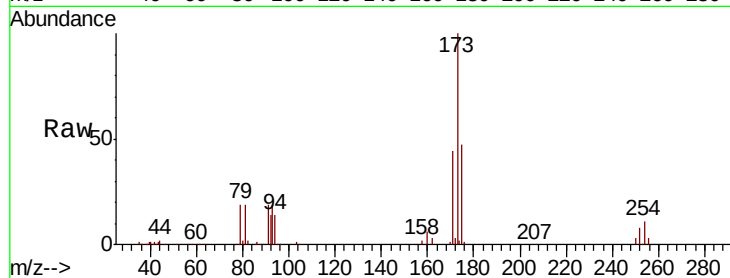
Tot Ion:173 Resp: 26146

Ion Ratio Lower Upper

173 100

175 46.4 37.8 56.8

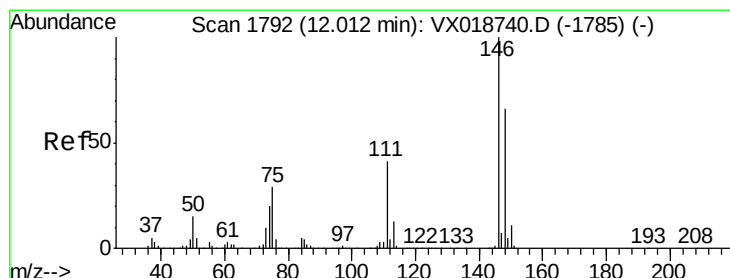
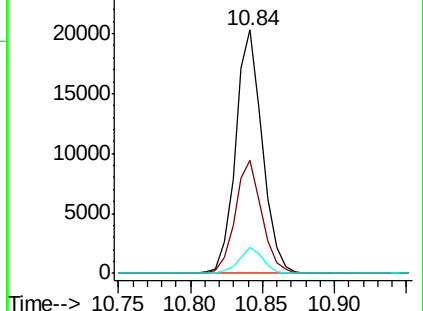
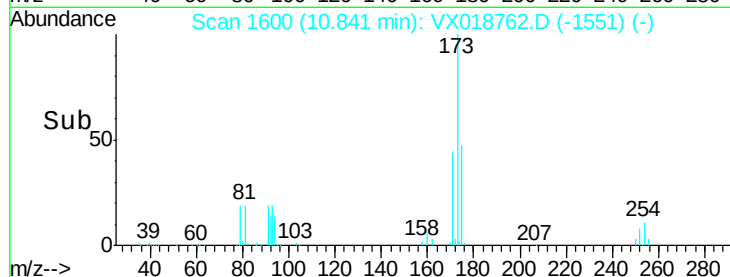
254 9.7 7.2 10.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.858 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

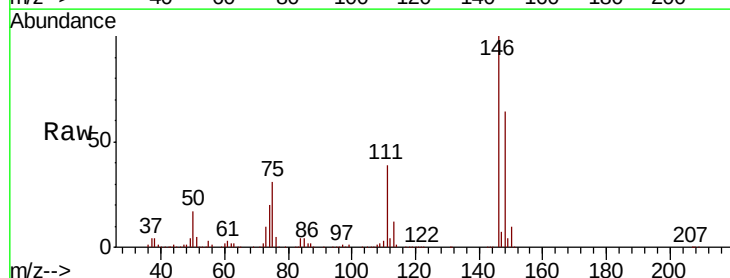
Tgt Ion:146 Resp: 110041

Ion Ratio Lower Upper

146 100

111 39.3 28.4 52.8

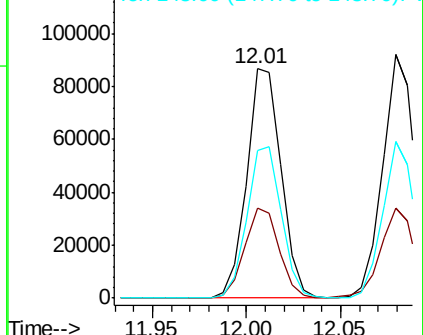
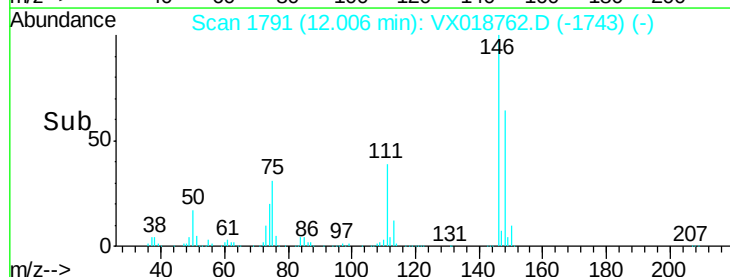
148 64.4 45.9 85.3

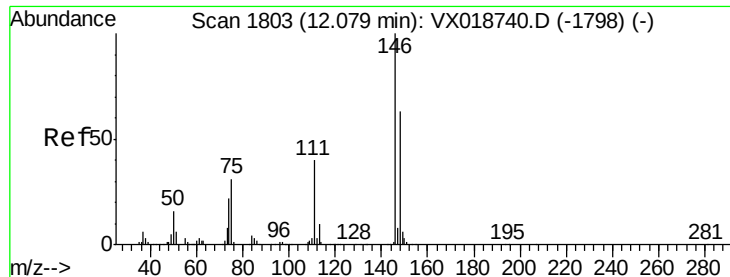


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.965 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD00592

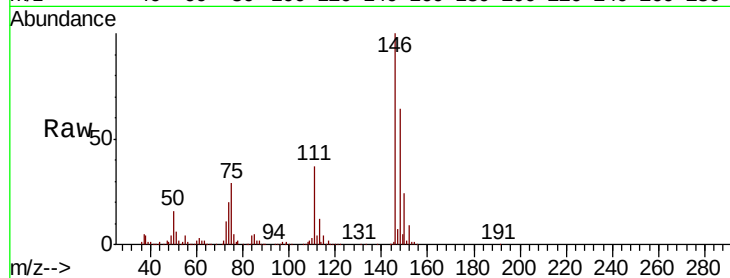
Tot Ion:146 Resp: 112146

Ion Ratio Lower Upper

146 100

111 37.0 28.6 53.2

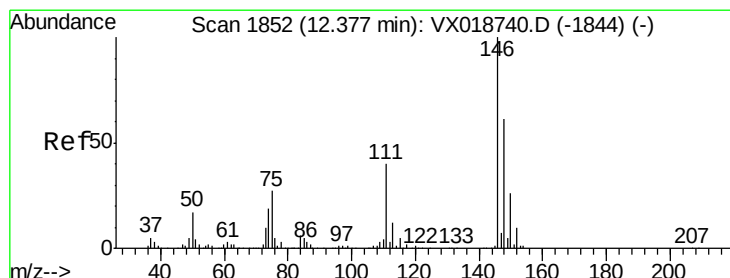
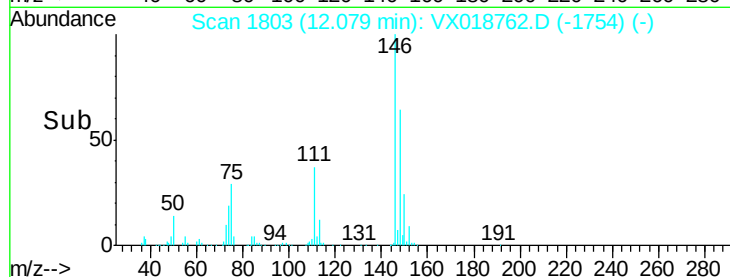
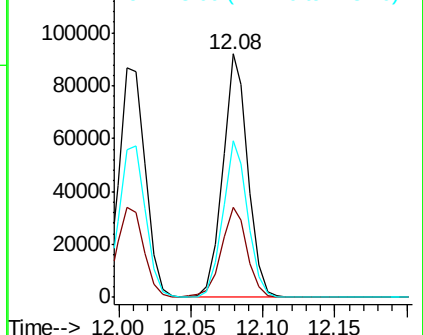
148 64.2 44.2 82.0



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



#66

1,2-Dichlorobenzene

Concen: 4.904 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018762.D

Acq: 05 Oct 2020 12:53

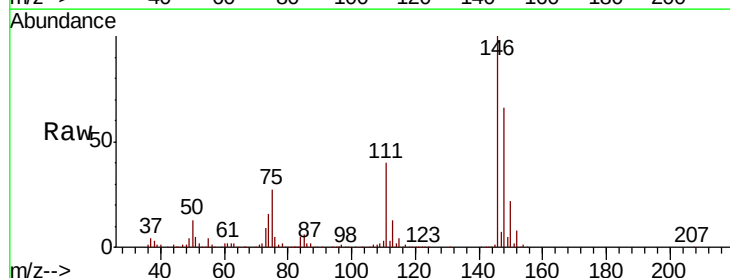
Tgt Ion:146 Resp: 103717

Ion Ratio Lower Upper

146 100

111 40.3 31.7 47.5

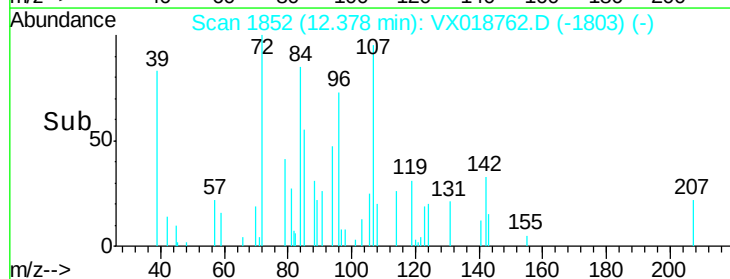
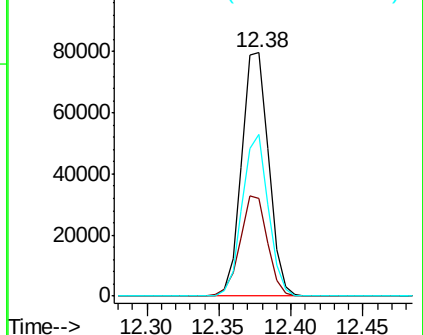
148 66.2 49.0 73.6

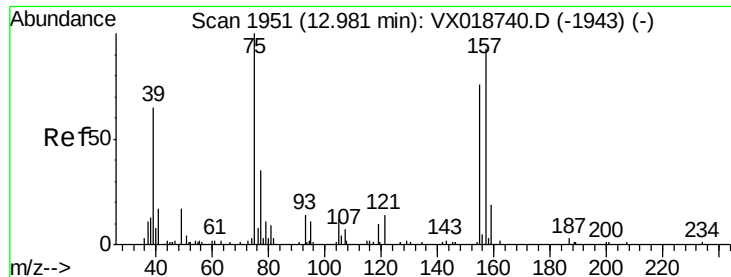


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

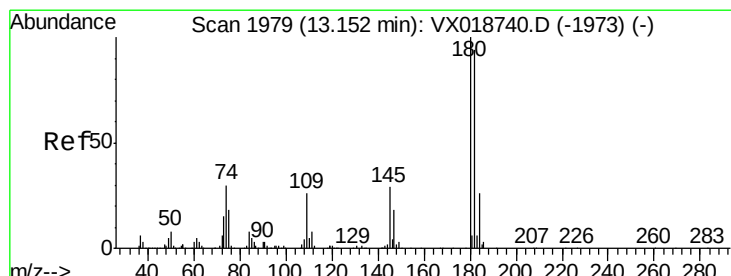
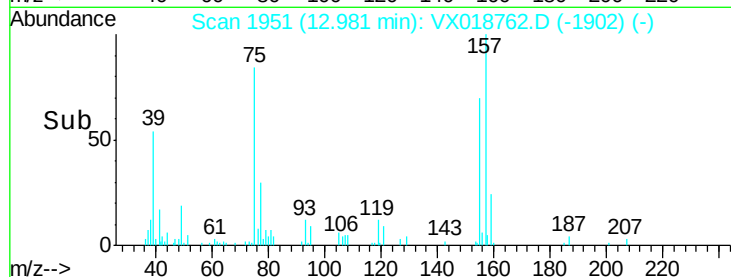
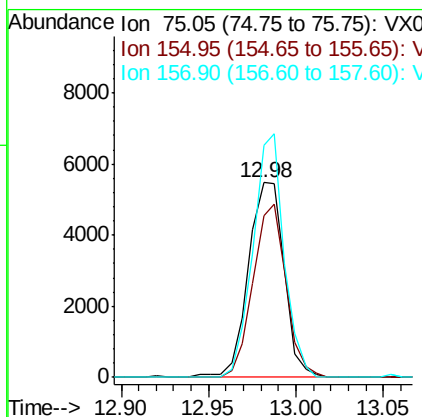
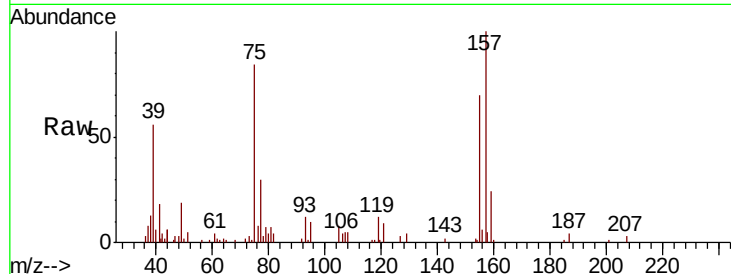




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.347 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

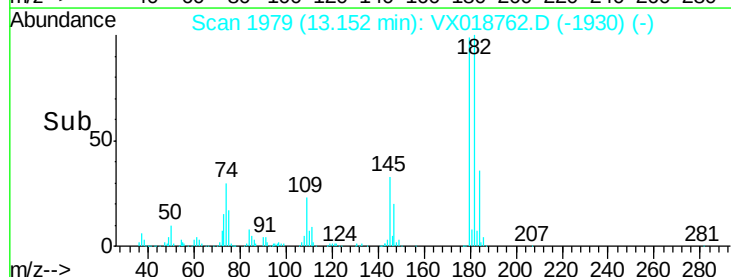
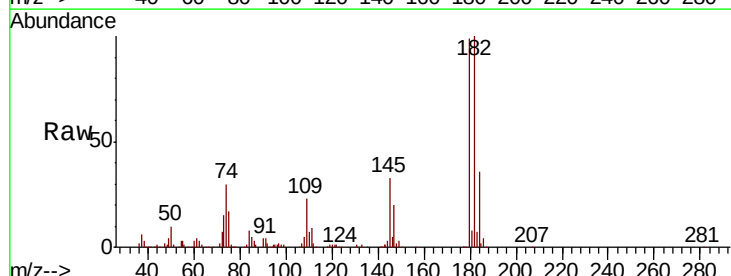
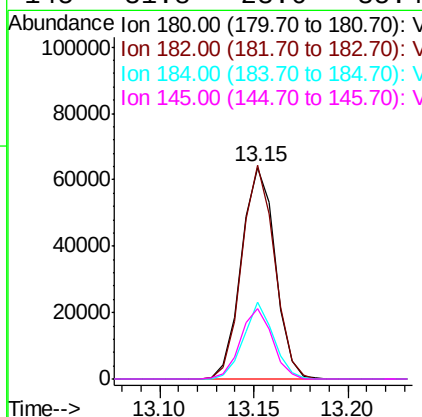
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

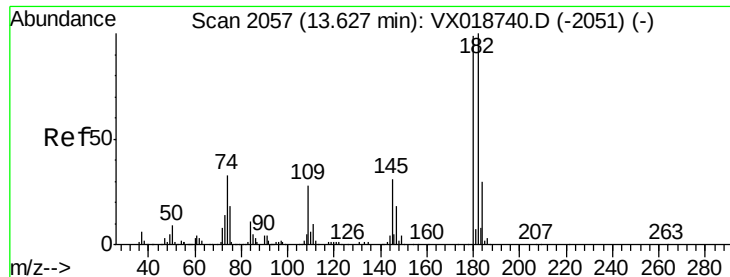
Tot Ion: 75 Resp: 7834
 Ion Ratio Lower Upper
 75 100
 155 83.0 61.1 91.7
 157 119.1 74.2 111.2#



#68
 1,3,5-Trichlorobenzene
 Concen: 4.545 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Tgt Ion: 180 Resp: 79238
 Ion Ratio Lower Upper
 180 100
 182 97.9 74.1 111.1
 184 32.0 23.4 35.2
 145 31.8 23.6 35.4

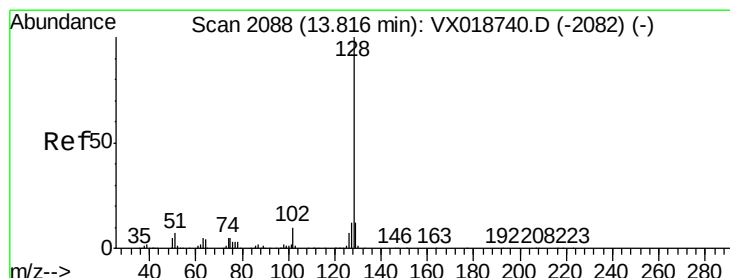
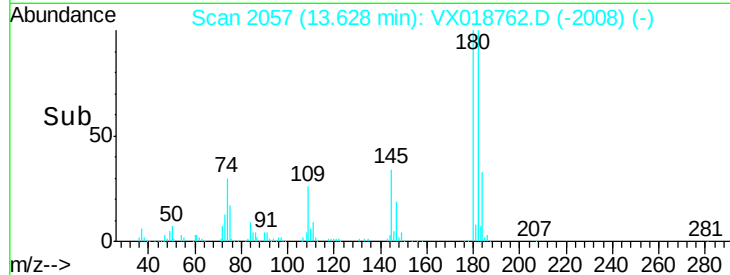
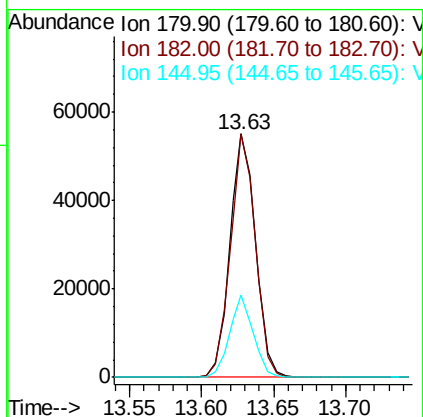
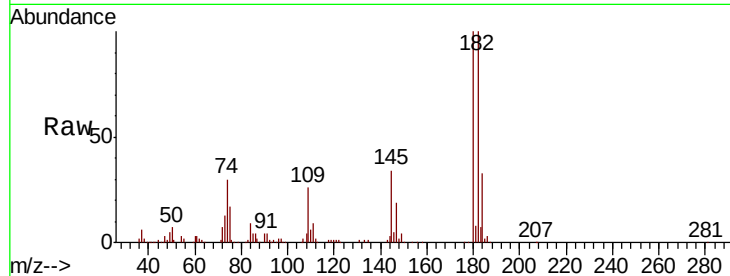




#69
1,2,4-trichlorobenzene
Concen: 4.757 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

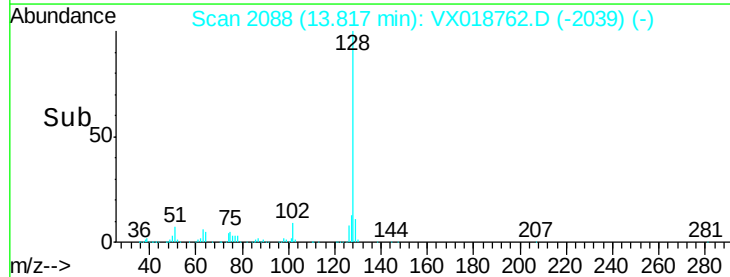
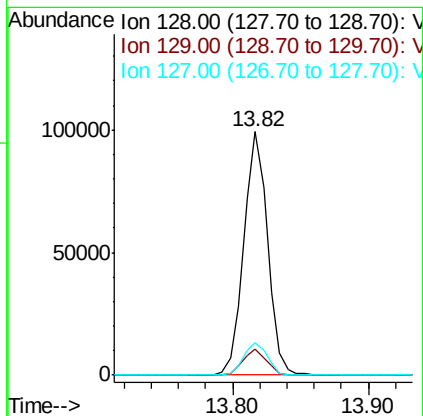
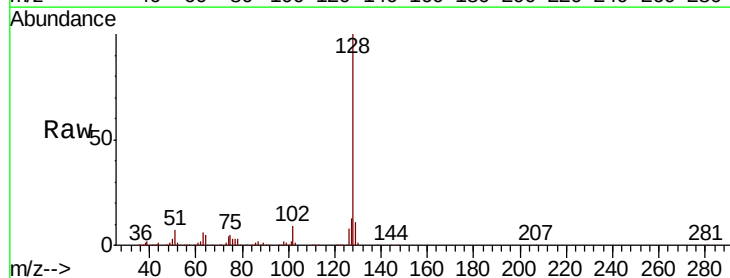
Instrument :
MSVOA_X
ClientSampleId :
VSTD00592

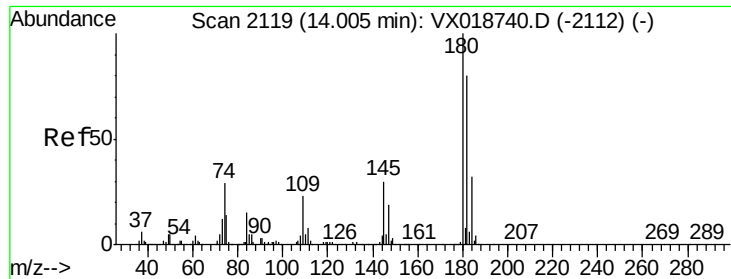
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	80.2	120.4
145	31.2	25.2	37.8



#70
Naphthalene
Concen: 5.106 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018762.D
Acq: 05 Oct 2020 12:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	13.3	10.5	15.7

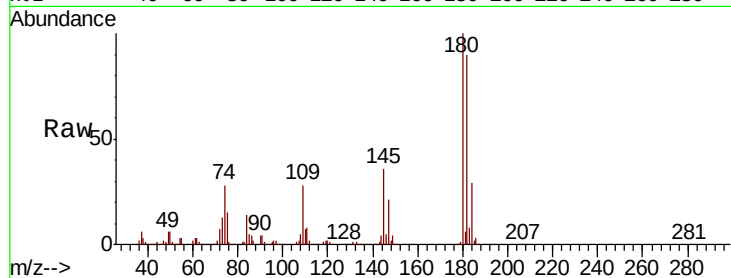




#71
 1,2,3-Trichlorobenzene
 Concen: 4.881 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018762.D
 Acq: 05 Oct 2020 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00592

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	73.6	110.4
145	32.5	26.6	40.0



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

