

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
 Data File : VX017961.D
 Acq On : 18 Aug 2020 16:51
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

Quant Time: Aug 19 01:32:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 19 01:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	246590	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	243291	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	137565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68722	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.69	69	65592	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.34	63	172154	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.53	46	251936	55.67	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.34%
24) Chloroform-d	5.14	84	182253	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	6.03	65	104562	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	6.04	84	323271	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	7.37	67	97686	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	8.70	98	275917	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
45) trans-1,3-Dichloropropene-	8.99	79	45025	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
48) 2-Hexanone-d5	9.43	63	204030	54.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.80%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	92199	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	125772	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	134656	4.697	ug/L	95
3) Chloromethane	1.31	50	130084	5.556	ug/L	99
5) Vinyl chloride	1.39	62	132683	5.713	ug/L	95
6) Bromomethane	1.63	94	75544	5.589	ug/L	97
8) Chloroethane	1.71	64	80027	6.160	ug/L	98
9) Trichlorofluoromethane	1.92	101	219033	5.860	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	126894	6.221	ug/L	100
12) 1,1-Dichloroethene	2.36	96	120031	6.351	ug/L	84
13) Acetone	2.42	43	183505	55.503	ug/L	100
14) Carbon disulfide	2.55	76	338453	4.986	ug/L	99
15) Methyl Acetate	2.75	43	44882	4.604	ug/L	98
16) Methylene chloride	2.83	84	119989	4.596	ug/L	93
17) Methyl tert-butyl Ether	3.17	73	252113	4.981	ug/L	99
18) trans-1,2-Dichloroethene	3.14	96	108618	5.065	ug/L	97
19) 1,1-Dichloroethane	3.67	63	213483	5.580	ug/L	97
21) 2-Butanone	4.64	43	290500	50.874	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	121812	5.413	ug/L #	99

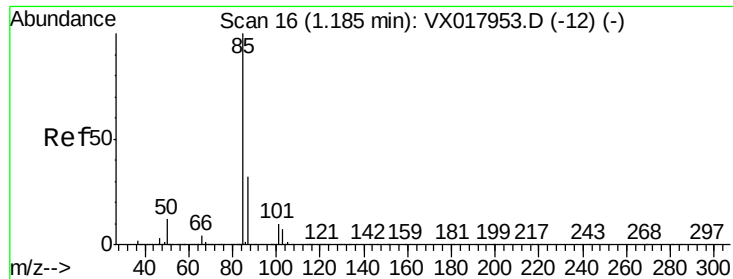
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081820\
 Data File : VX017961.D
 Acq On : 18 Aug 2020 16:51
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

Quant Time: Aug 19 01:32:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 19 01:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	61511	5.840	ug/L	94
25) Chloroform	5.17	83	230998	5.607	ug/L	98
27) 1,2-Dichloroethane	6.16	62	154144	5.832	ug/L	98
29) 1,1,1-Trichloroethane	5.46	97	223761	5.606	ug/L	99
30) Cyclohexane	5.54	56	152735	4.410	ug/L	100
31) Carbon tetrachloride	5.75	117	207566	5.643	ug/L	98
33) Benzene	6.11	78	489930	5.688	ug/L	100
34) Trichloroethene	7.18	95	121266	4.823	ug/L	94
35) Methylcyclohexane	7.44	83	163886	4.637	ug/L	96
37) 1,2-Dichloropropane	7.49	63	119863	5.534	ug/L	99
38) Bromodichloromethane	7.88	83	174822	5.794	ug/L	93
39) cis-1,3-Dichloropropene	8.42	75	156803	4.702	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	673837	47.784	ug/L	99
42) Toluene	8.76	91	482025	5.155	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	450295	5.276	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	467289	5.377	ug/L	99
46) trans-1,3-Dichloropropene	9.02	75	158242	5.320	ug/L	96
47) 1,1,2-Trichloroethane	9.20	97	84808	5.218	ug/L	99
49) Tetrachloroethene	9.32	164	96647	4.805	ug/L	90
50) 2-Hexanone	9.47	43	488441	48.323	ug/L	98
51) Dibromochloromethane	9.57	129	114781	5.127	ug/L	97
52) 1,2-Dibromoethane	9.65	107	83003	5.217	ug/L #	97
53) Chlorobenzene	10.12	112	309382	5.084	ug/L	97
54) Ethylbenzene	10.24	91	526476	5.160	ug/L	100
55) m,p-xylene	10.34	106	194043	4.981	ug/L	98
56) o-xylene	10.68	106	192777	5.103	ug/L	96
57) Styrene	10.70	104	327985	5.134	ug/L	99
58) Isopropylbenzene	11.00	105	523466	5.177	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.25	83	104021	5.828	ug/L	99
62) Bromoform	10.84	173	69817	5.075	ug/L	97
63) 1,3-Dichlorobenzene	12.01	146	282606	5.275	ug/L	98
64) 1,4-Dichlorobenzene	12.08	146	277031	5.198	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	256740	5.159	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.98	75	20837	4.820	ug/L	98
68) 1,3,5-Trichlorobenzene	13.15	180	200039	5.056	ug/L	97
69) 1,2,4-trichlorobenzene	13.63	180	164824	4.706	ug/L	99
70) Naphthalene	13.82	128	296994	4.616	ug/L	99
71) 1,2,3-Trichlorobenzene	14.01	180	166851	5.063	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.697 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

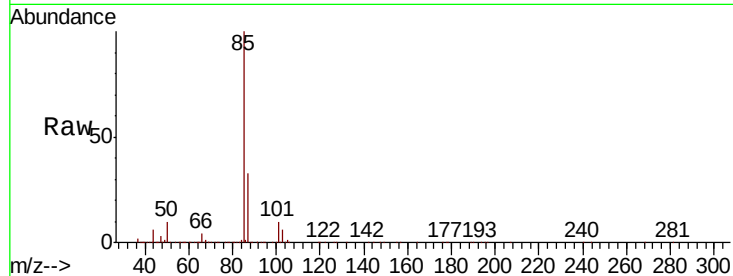
VSTD00580

Tot Ion: 85 Resp: 134656

Ion Ratio Lower Upper

85 100

87 34.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

150000

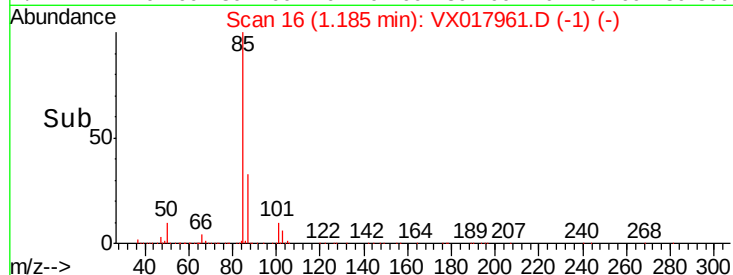
100000

50000

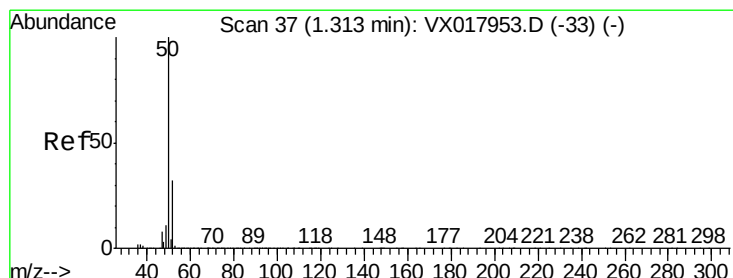
0

1.18

1.10 1.15 1.20 1.25



Time-->



#3

Chloromethane

Concen: 5.556 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017961.D

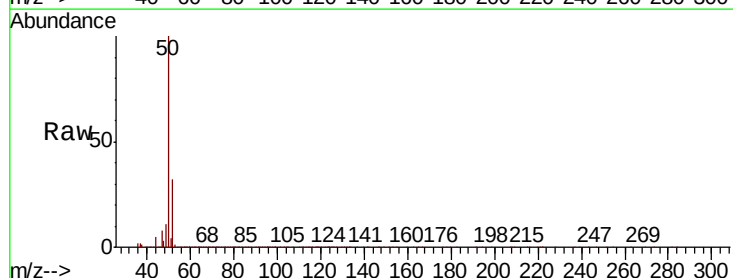
Acq: 18 Aug 2020 16:51

Tgt Ion: 50 Resp: 130084

Ion Ratio Lower Upper

50 100

52 31.7 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

150000

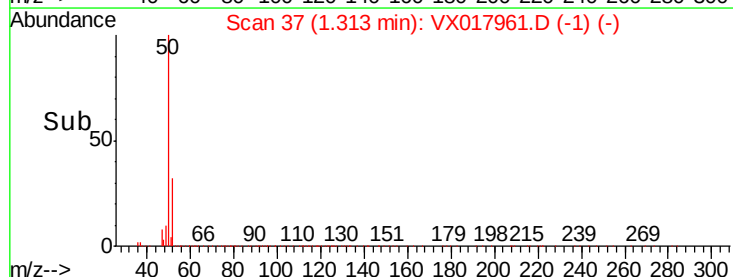
100000

50000

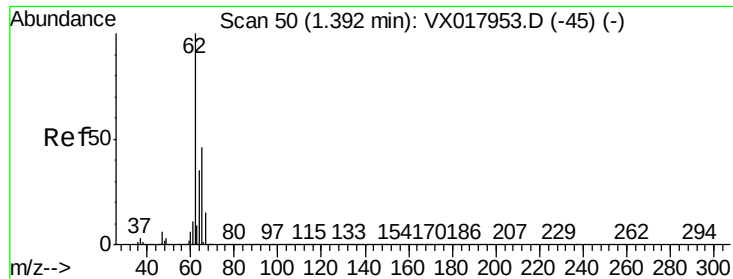
0

1.31

1.25 1.30 1.35 1.40



Time-->



#5

Vinyl chloride

Concen: 5.713 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleID :

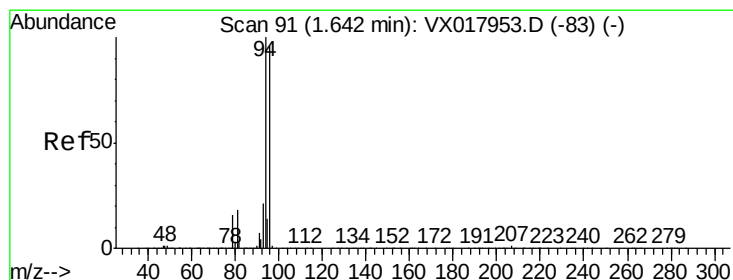
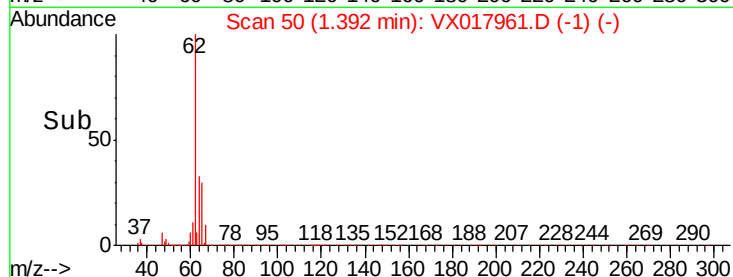
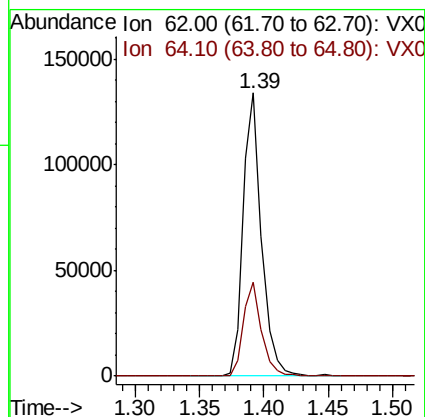
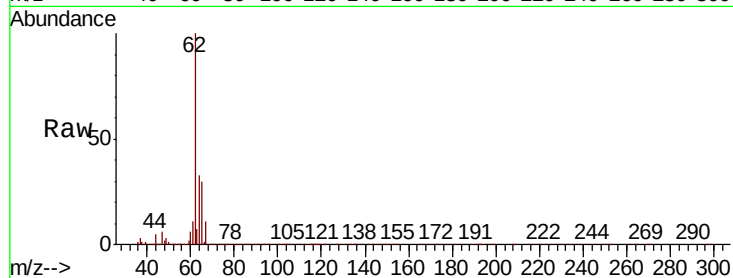
VSTD00580

Tot Ion: 62 Resp: 132683

Ion Ratio Lower Upper

62 100

64 33.1 21.3 39.6



#6

Bromomethane

Concen: 5.589 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017961.D

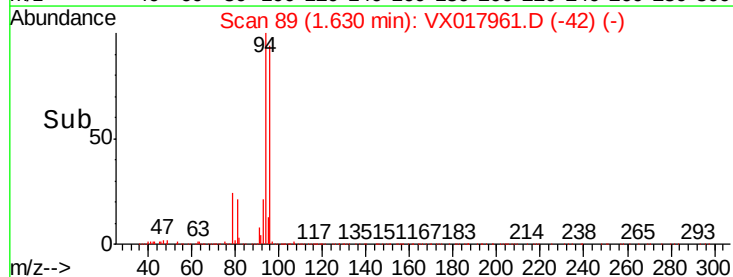
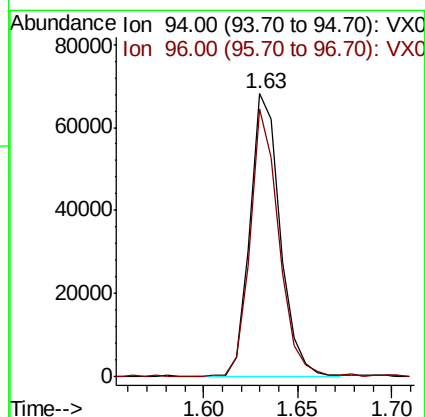
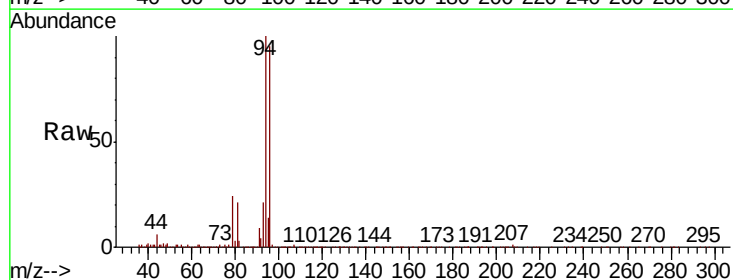
Acq: 18 Aug 2020 16:51

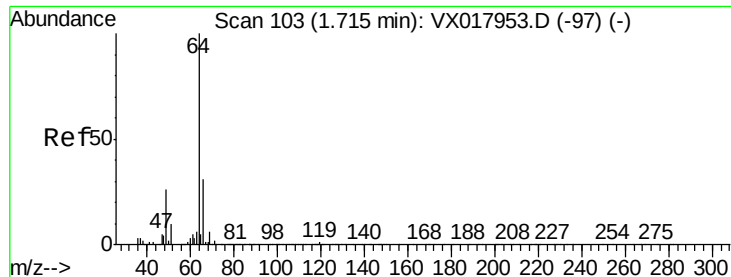
Tgt Ion: 94 Resp: 75544

Ion Ratio Lower Upper

94 100

96 94.7 68.5 127.1

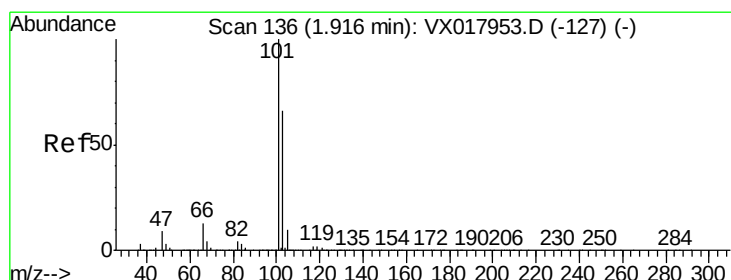
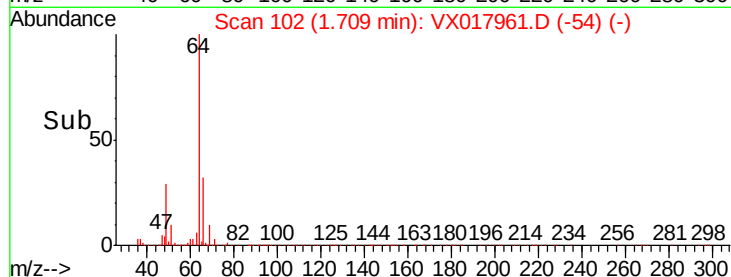
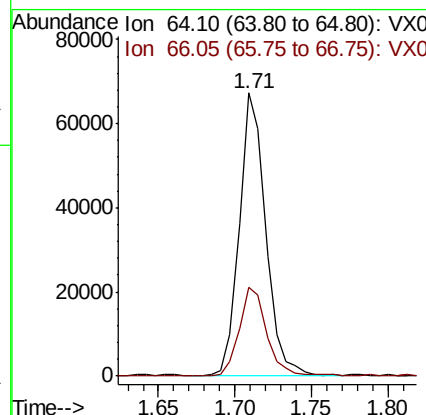
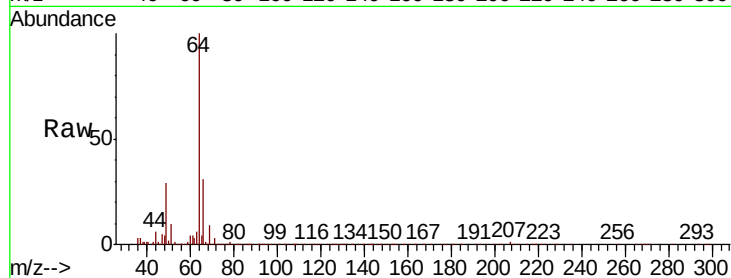




#8
Chloroethane
Concen: 6.160 ug/L
RT: 1.71 min Scan# 102
Delta R.T. -0.01 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

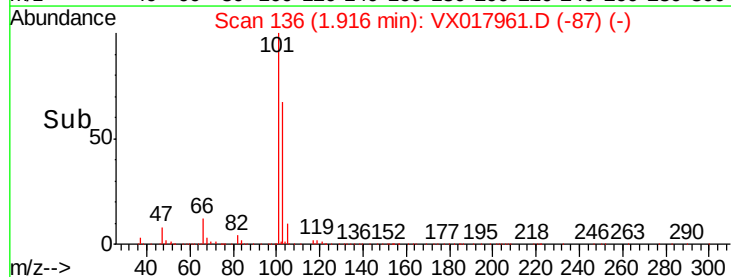
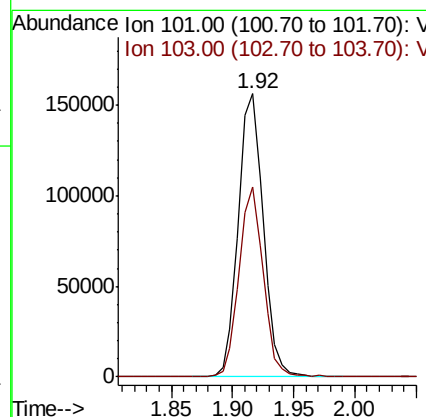
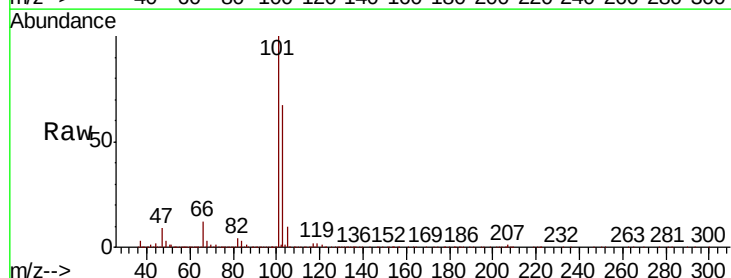
Instrument :
MSVOA_X
ClientSampleId :
VSTD00580

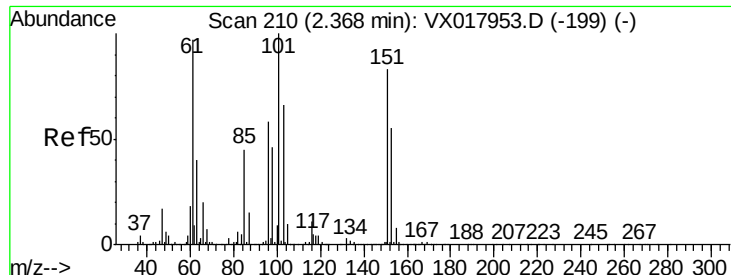
Tot Ion: 64 Resp: 80027
Ion Ratio Lower Upper
64 100
66 31.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.860 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Tgt Ion: 101 Resp: 219033
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0





#10

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

Concen: 6.221 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD00580

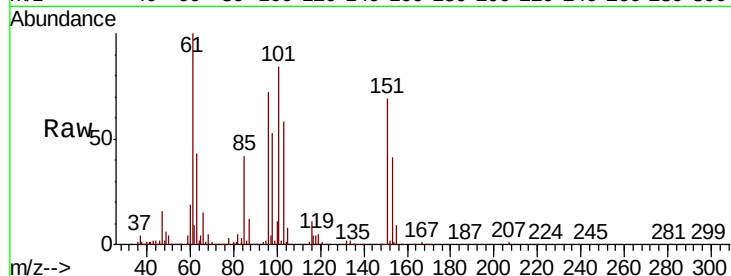
Tot Ion:101 Resp: 126894

Ion Ratio Lower Upper

101 100

85 42.7 34.3 51.5

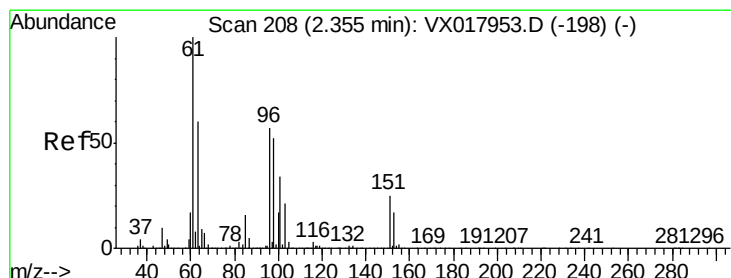
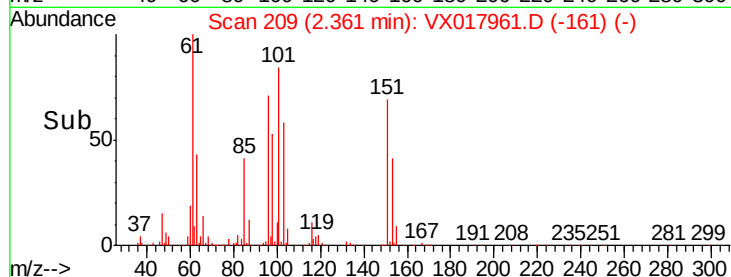
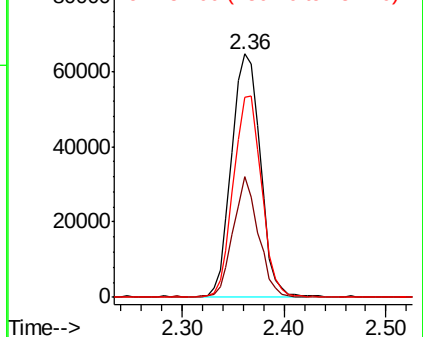
151 80.7 64.8 97.2



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: 6.351 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

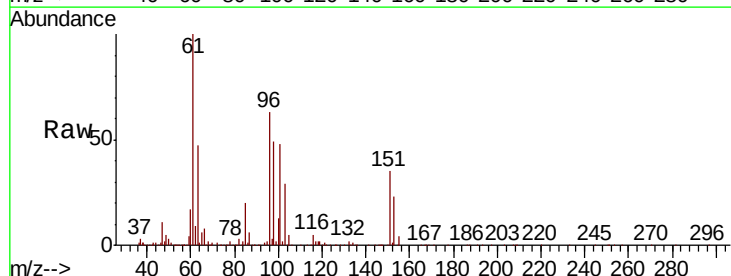
Tgt Ion: 96 Resp: 120031

Ion Ratio Lower Upper

96 100

61 158.9 123.5 229.3

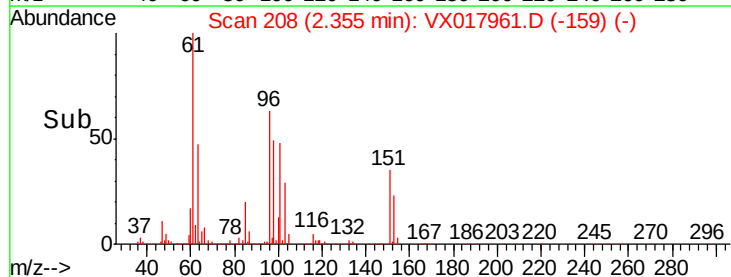
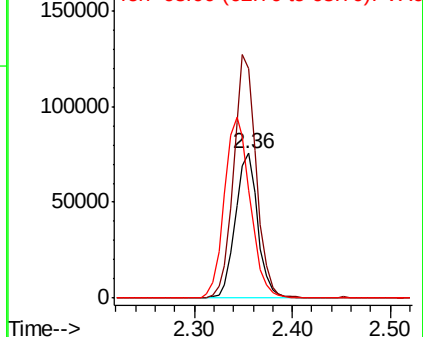
63 74.9 67.0 124.4

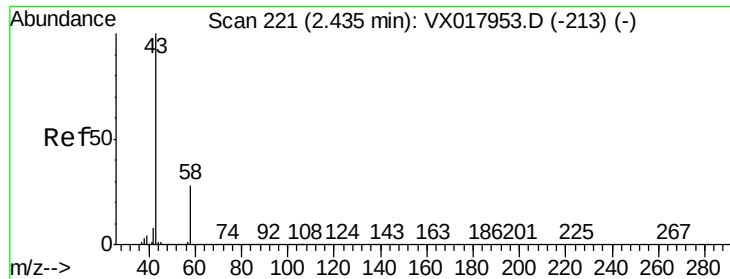


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 55.503 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

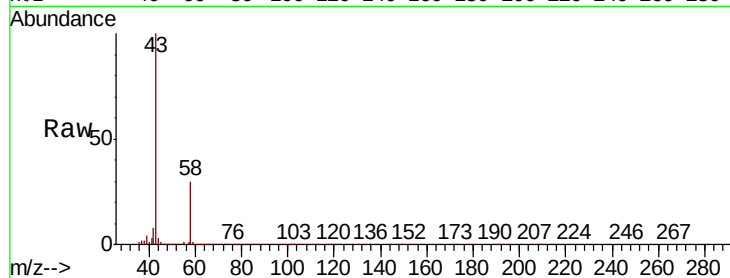
VSTD00580

Tot Ion: 43 Resp: 183505

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

120000

100000

80000

60000

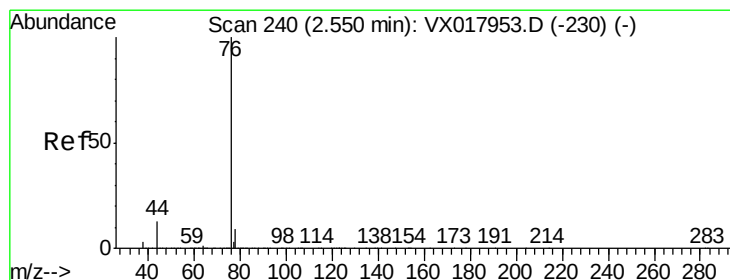
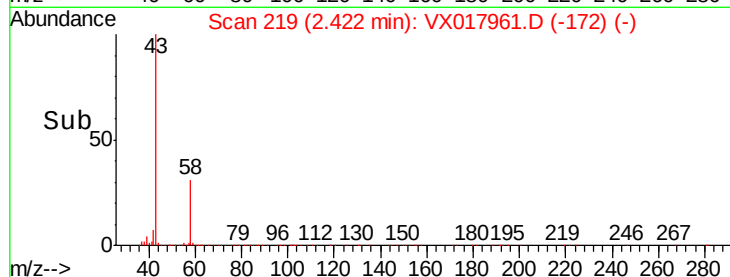
40000

20000

0

2.35 2.40 2.45 2.50

Time-->



#14

Carbon disulfide

Concen: 4.986 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017961.D

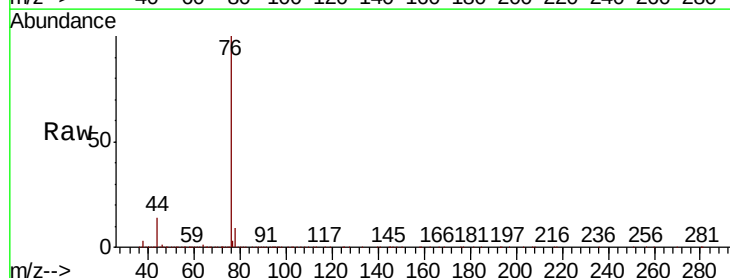
Acq: 18 Aug 2020 16:51

Tgt Ion: 76 Resp: 338453

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

200000

150000

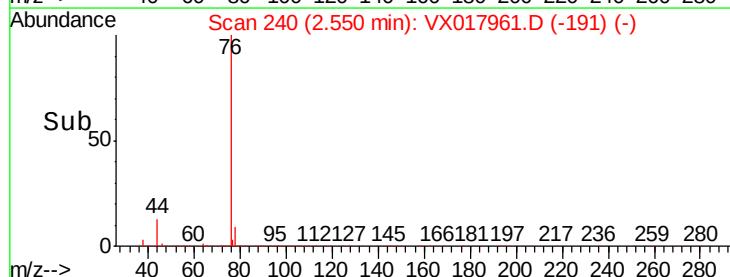
100000

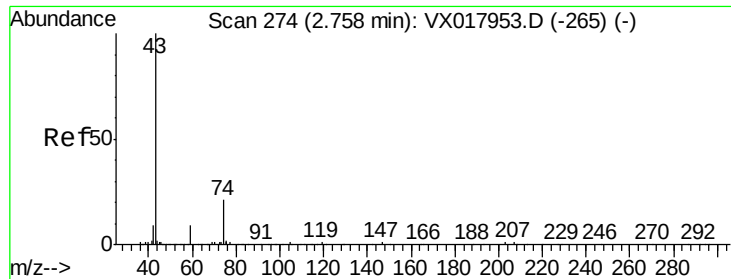
50000

0

2.40 2.50 2.60

Time-->

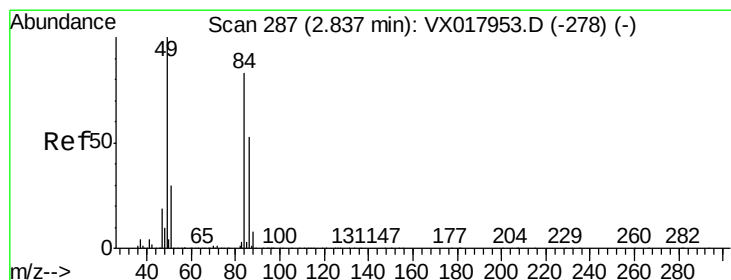
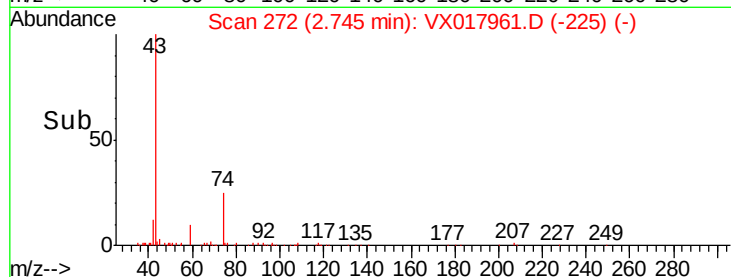
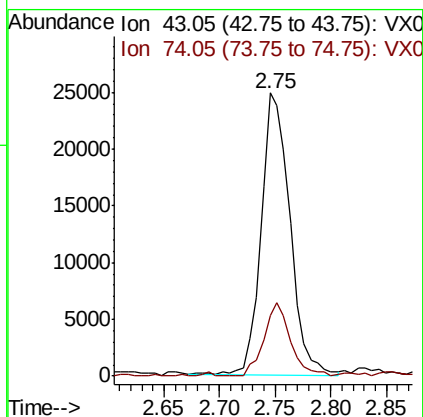
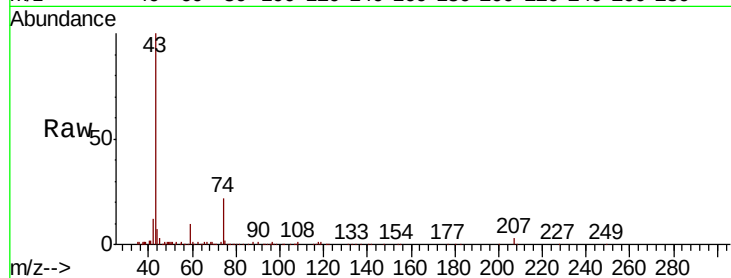




#15
Methyl Acetate
Concen: 4.604 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

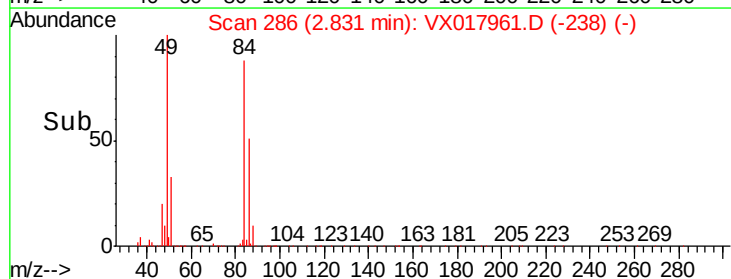
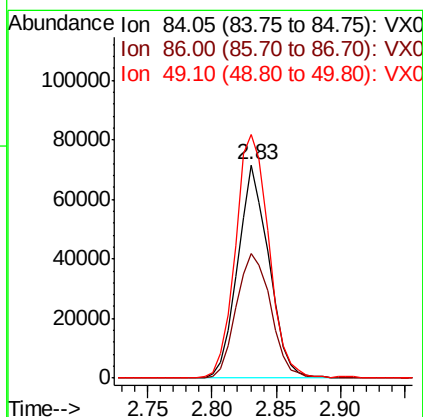
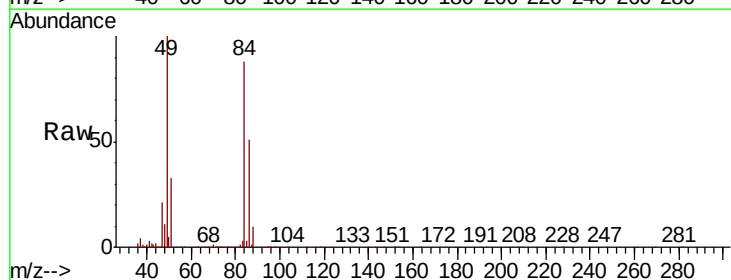
Instrument :
MSVOA_X
ClientSampled :
VSTD00580

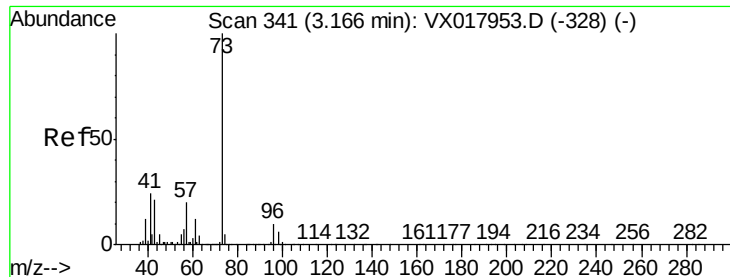
Tot Ion: 43 Resp: 44882
Ion Ratio Lower Upper
43 100
74 24.3 20.4 30.6



#16
Methylene chloride
Concen: 4.596 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Tgt Ion: 84 Resp: 119989
Ion Ratio Lower Upper
84 100
86 58.3 43.0 80.0
49 114.1 86.9 161.3

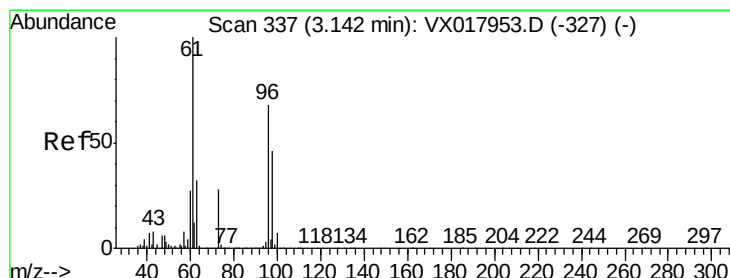
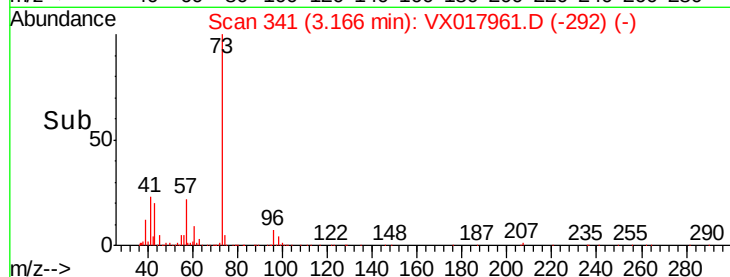
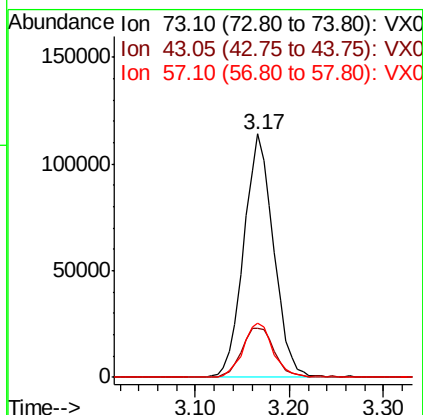
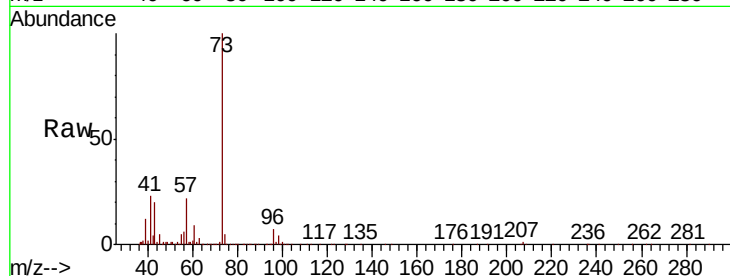




#17
Methyl tert-butyl Ether
Concen: 4.981 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

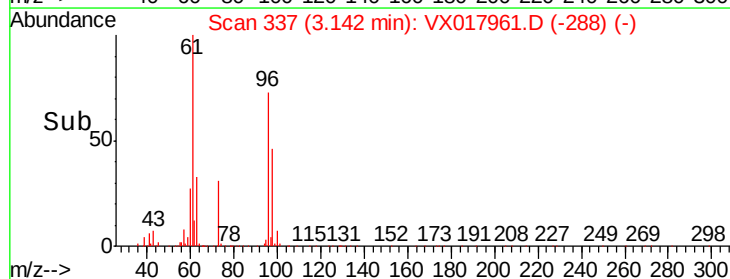
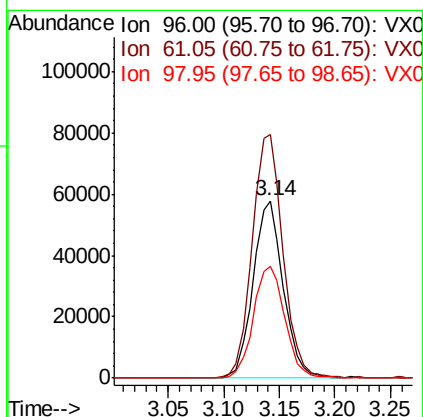
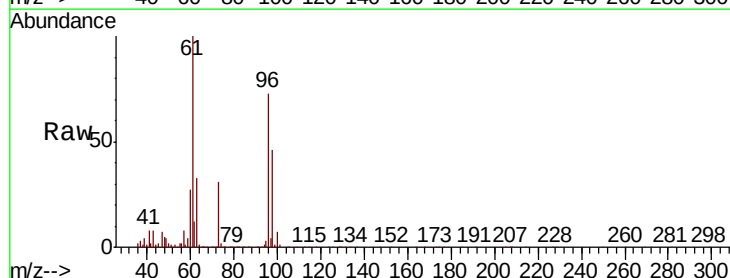
Instrument :
MSVOA_X
ClientSampleID :
VSTD00580

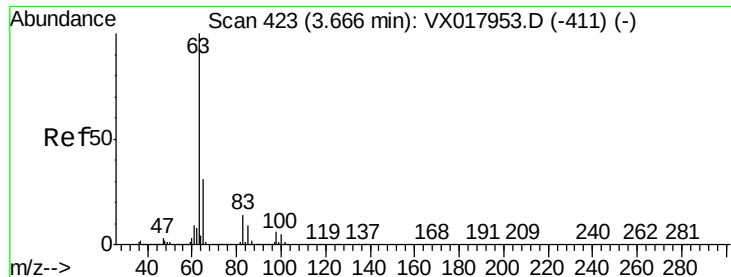
Tot Ion: 73 Resp: 252113
Ion Ratio Lower Upper
73 100
43 22.0 17.7 26.5
57 22.2 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 5.065 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Tgt Ion: 96 Resp: 108618
Ion Ratio Lower Upper
96 100
61 137.2 98.4 182.8
98 62.7 44.9 83.5

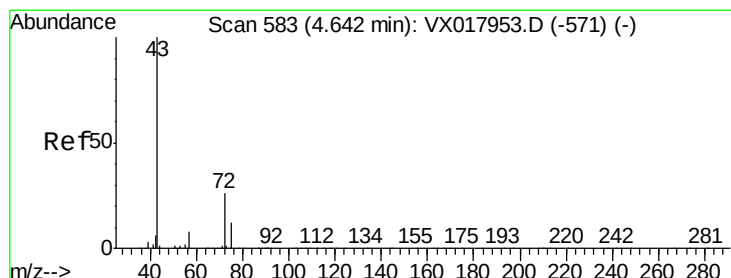
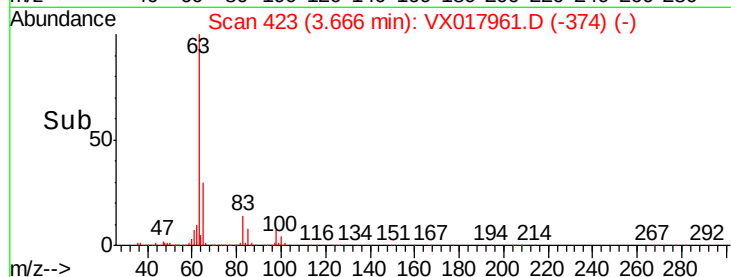
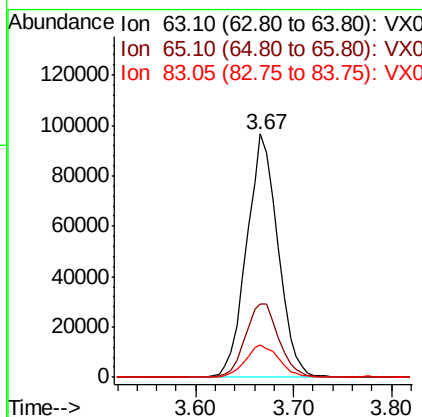
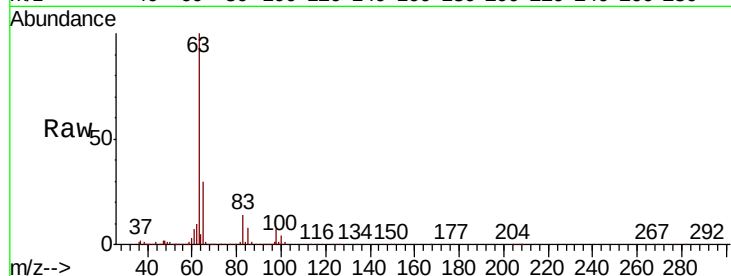




#19
 1,1-Dichloroethane
 Concen: 5.580 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

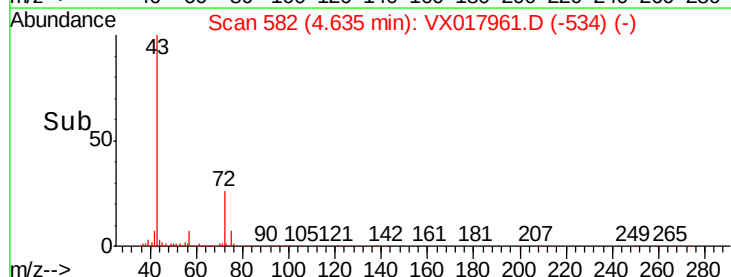
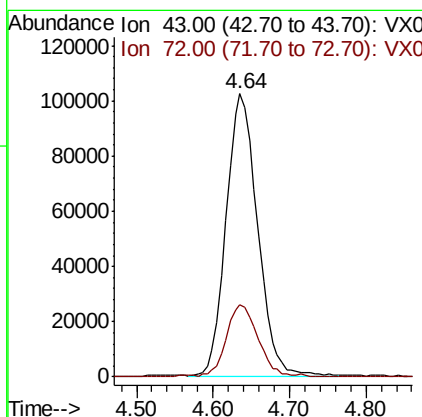
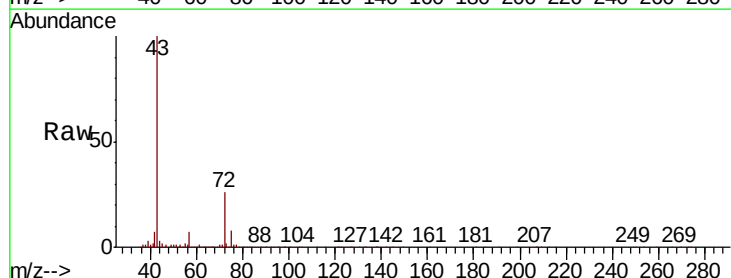
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

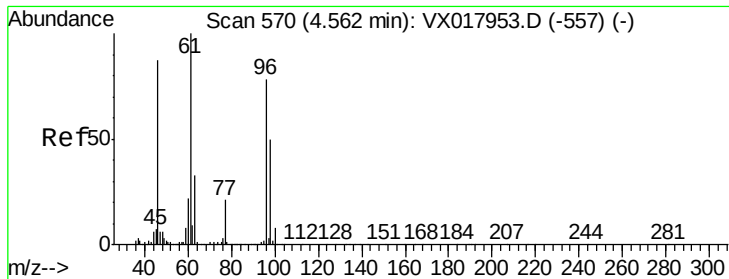
Tot Ion: 63 Resp: 213483
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.6 42.0
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 50.874 ug/L
 RT: 4.64 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion: 43 Resp: 290500
 Ion Ratio Lower Upper
 43 100
 72 25.6 13.2 39.6



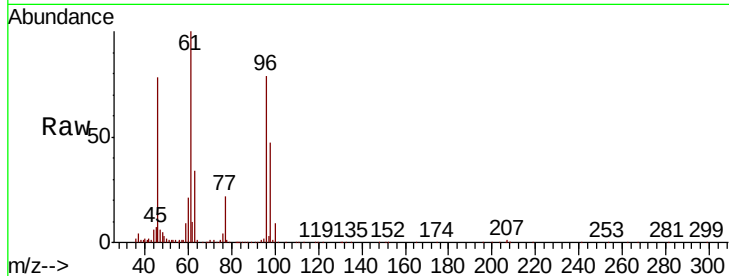


#22

cis-1,2-Dichloroethene
Concen: 5.413 ug/L
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Instrument :
MSVOA_X
ClientSampleId :
VSTD00580

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.3	88.8	165.0
68	0.2	0.2	0.4

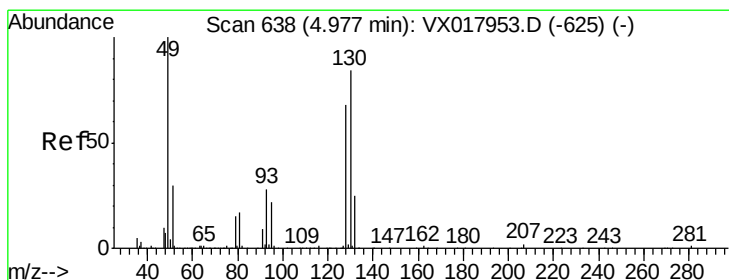
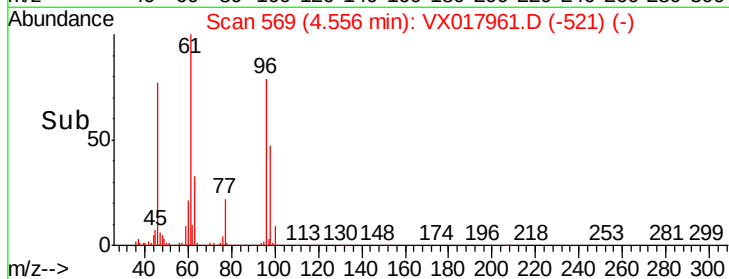
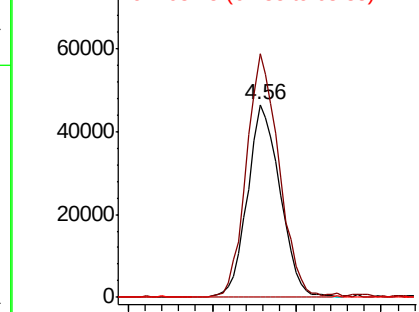


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

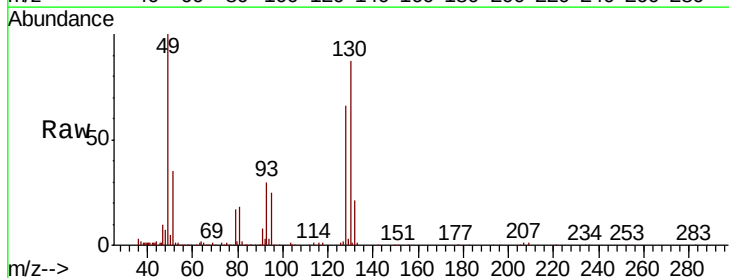
Ion 68.15 (67.85 to 68.85): VX0



#23

Bromochloromethane
Concen: 5.840 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
128	100		
49	151.9	100.2	186.0
130	132.8	89.1	165.5
51	52.4	37.2	55.8



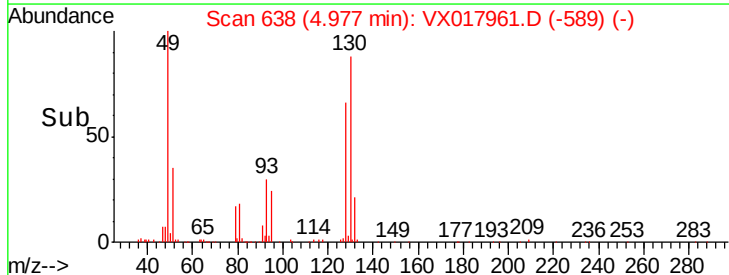
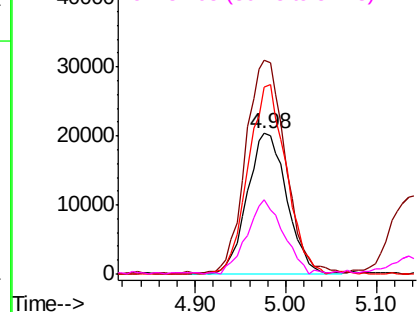
Abundance

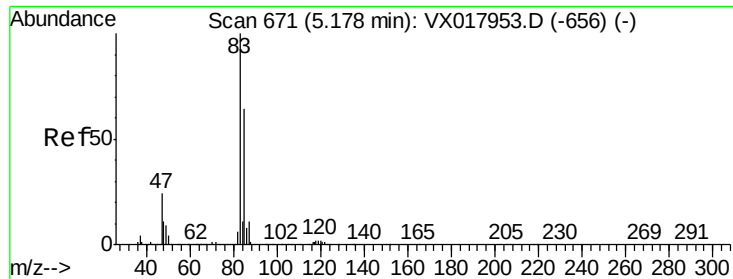
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VX0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VX0





#25

Chloroform

Concen: 5.607 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

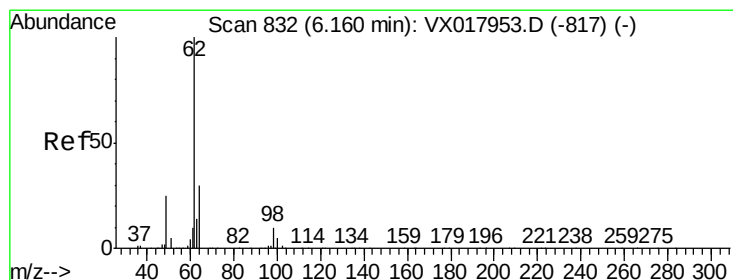
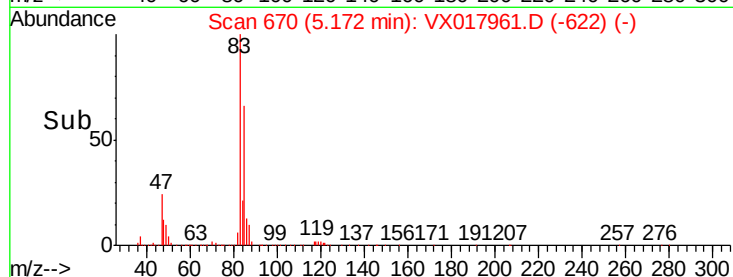
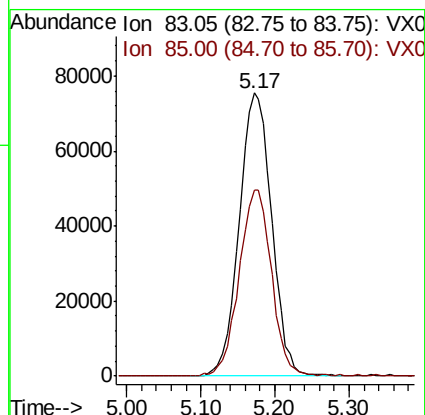
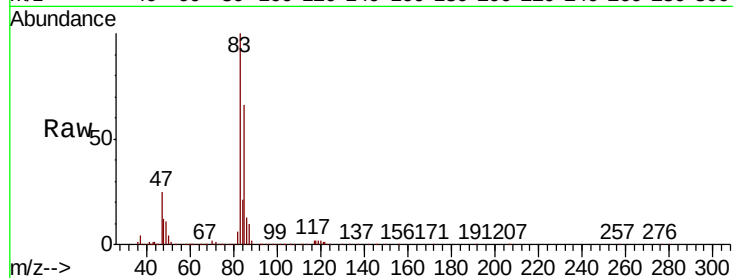
VSTD00580

Tot Ion: 83 Resp: 230998

Ion Ratio Lower Upper

83 100

85 65.6 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.832 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX017961.D

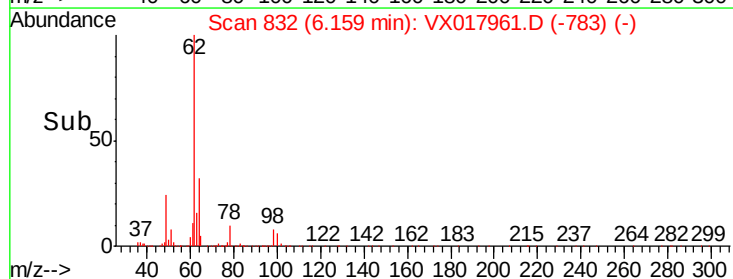
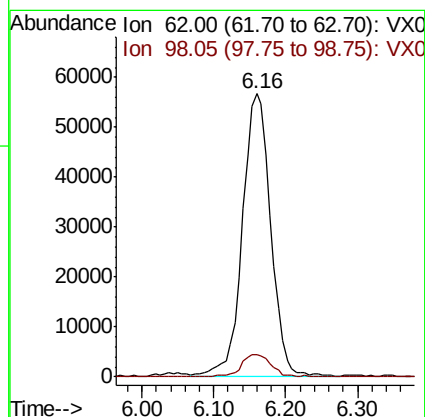
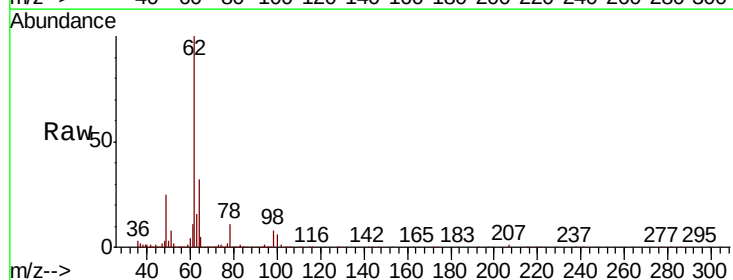
Acq: 18 Aug 2020 16:51

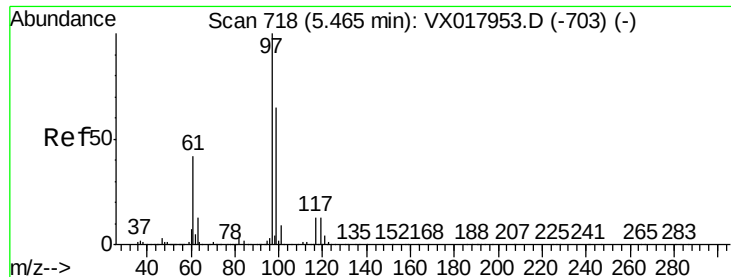
Tgt Ion: 62 Resp: 154144

Ion Ratio Lower Upper

62 100

98 7.7 6.7 10.1

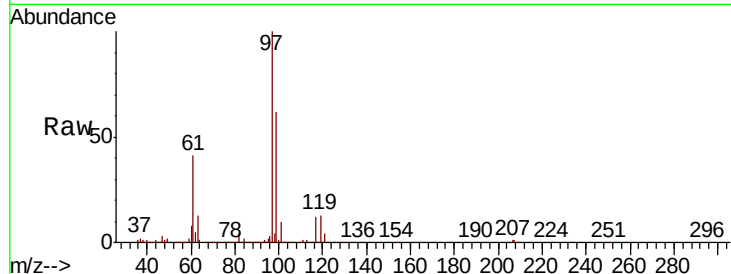




#29
 1,1,1-Trichloroethane
 Concen: 5.606 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.2
61	42.8	33.8	50.6

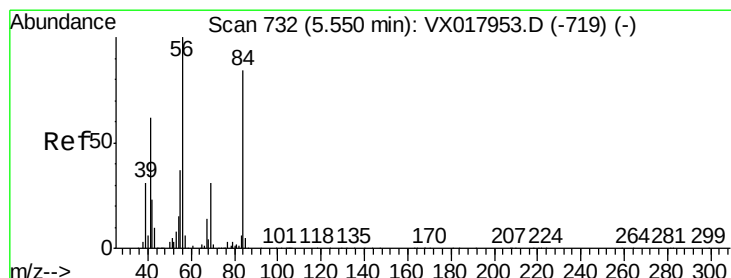
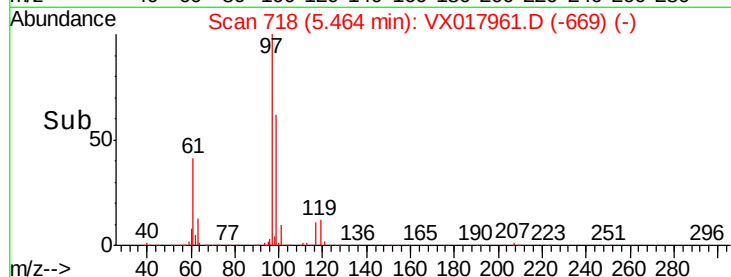
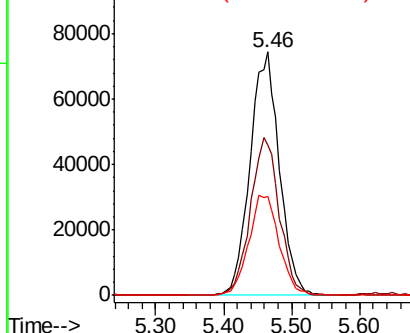


Abundance

Ion 96.95 (96.65 to 97.65): VX0

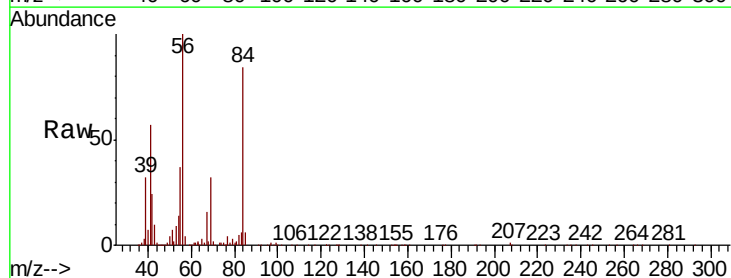
Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30
 Cyclohexane
 Concen: 4.410 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.1	37.7
84	88.5	70.7	106.1

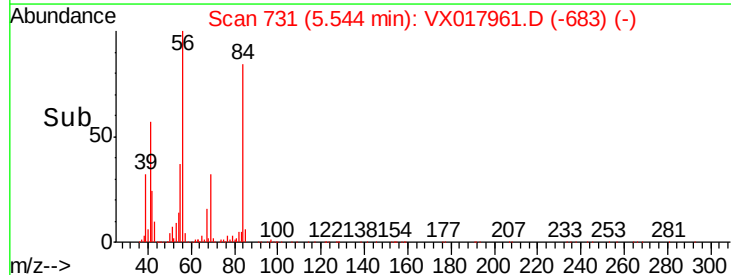
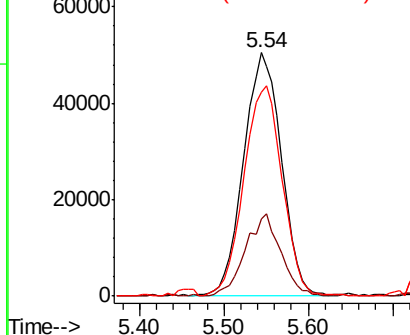


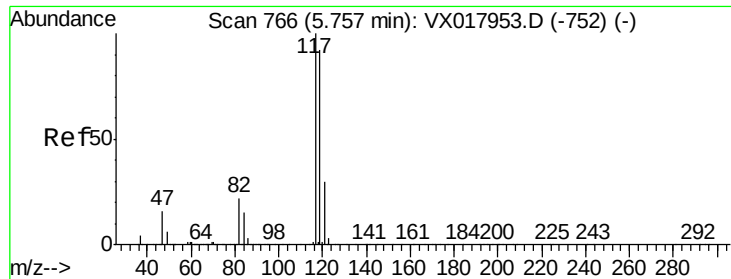
Abundance

Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 5.643 ug/L

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

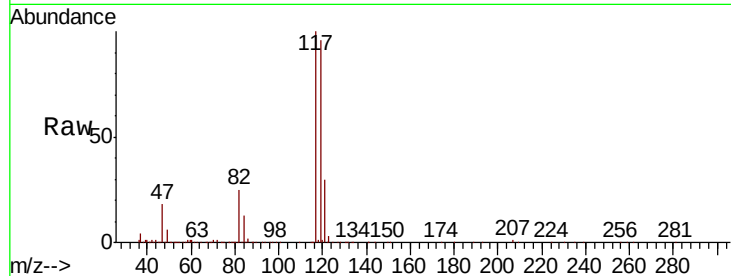
VSTD00580

Tot Ion:117 Resp: 207566

Ion Ratio Lower Upper

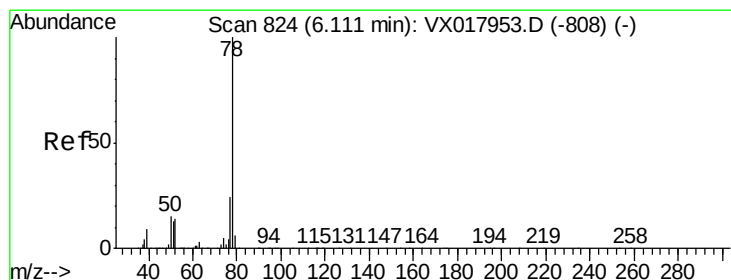
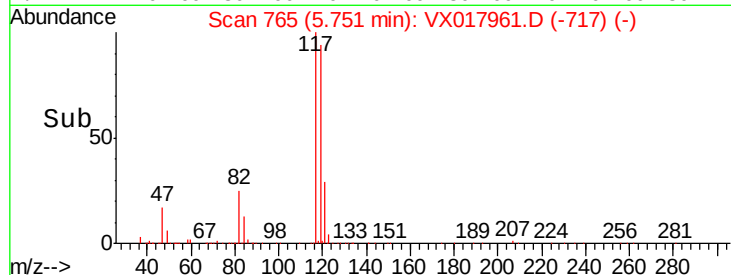
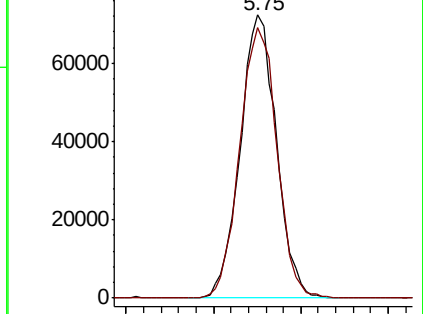
117 100

119 98.6 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.688 ug/L

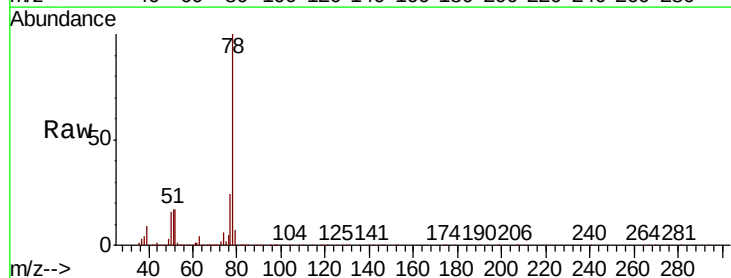
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

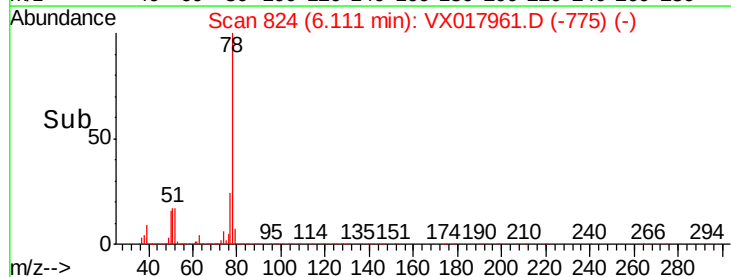
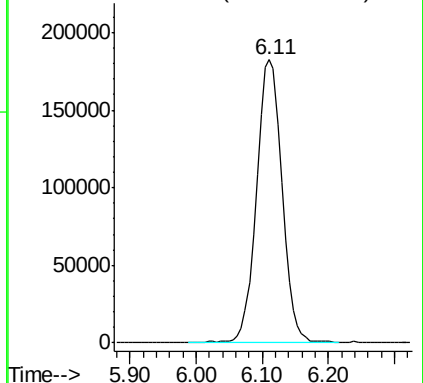
Lab File: VX017961.D

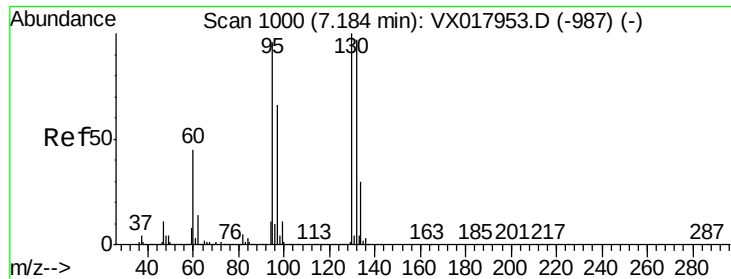
Acq: 18 Aug 2020 16:51

Tgt Ion: 78 Resp: 489930



Abundance Ion 78.10 (77.80 to 78.80): VX0

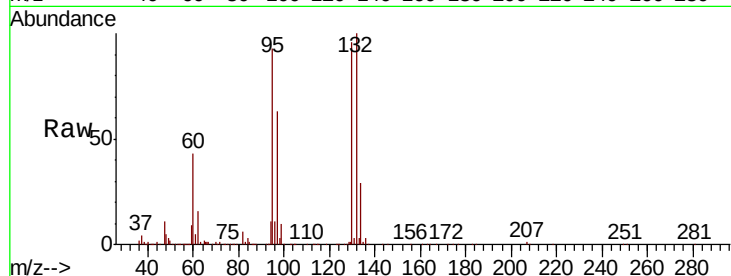




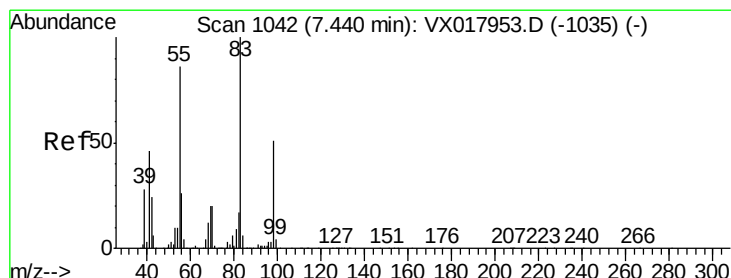
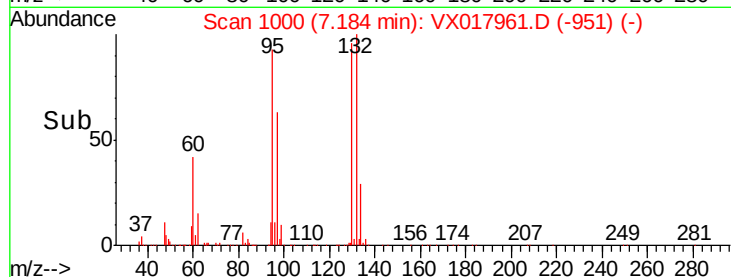
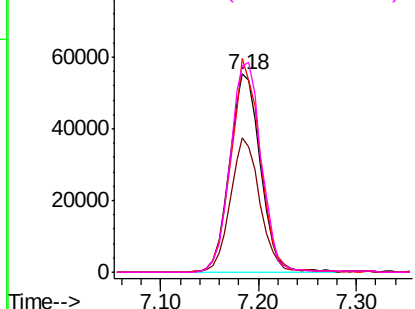
#34
 Trichloroethene
 Concen: 4.823 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

Tot Ion	Ratio	Lower	Upper
95	100		
97	67.6	46.1	85.5
132	107.9	66.0	122.6
130	104.0	71.7	133.1

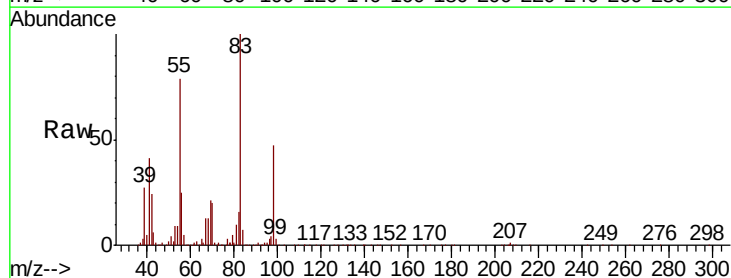


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 96.95 (96.65 to 97.65): VX0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

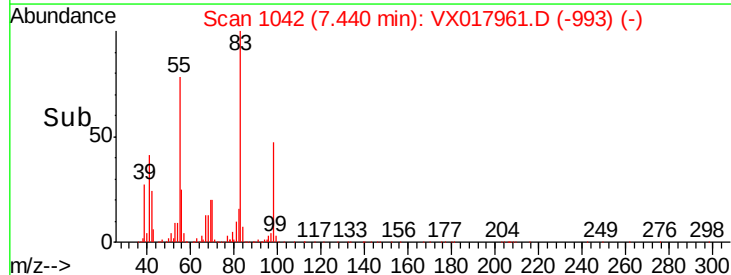
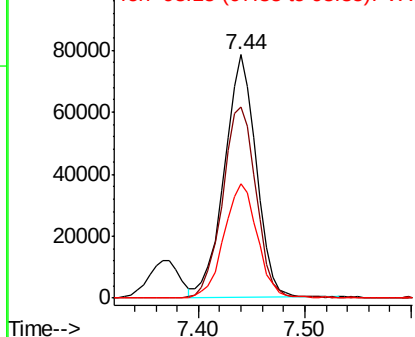


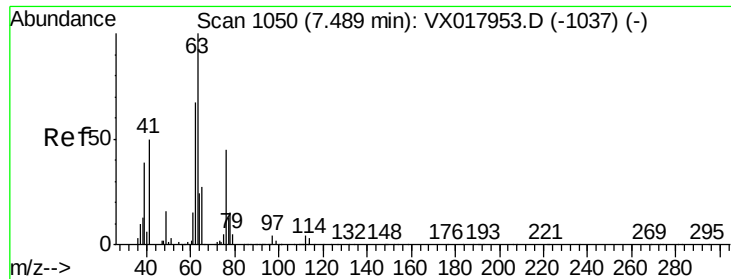
#35
 Methylcyclohexane
 Concen: 4.637 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.2	62.4	93.6
98	49.4	38.0	57.0



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

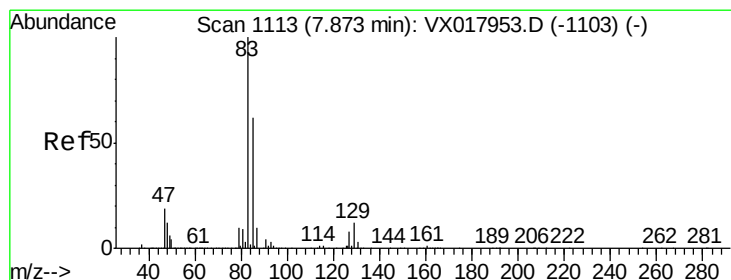
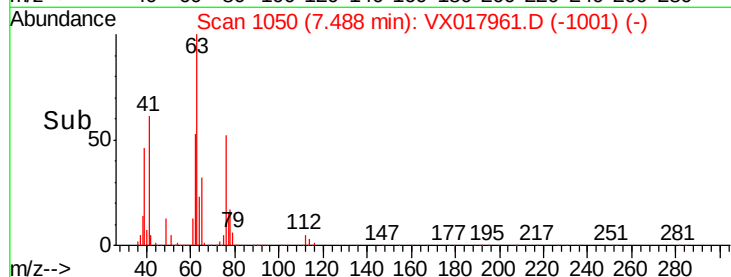
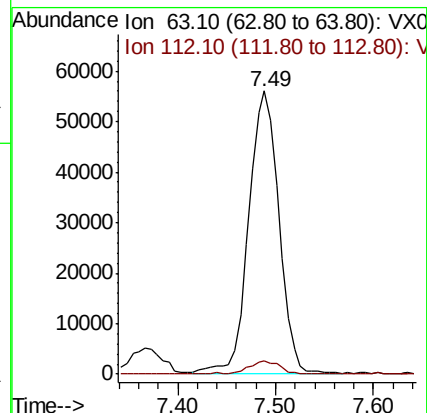
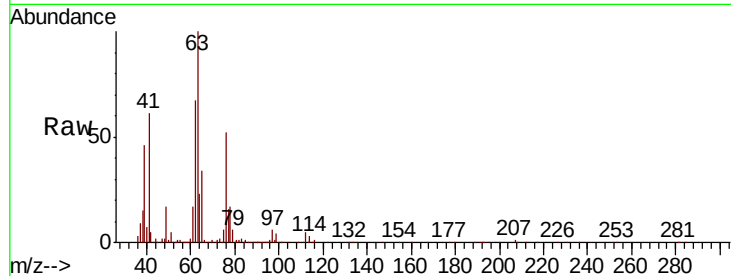




#37
 1,2-Dichloropropane
 Concen: 5.534 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

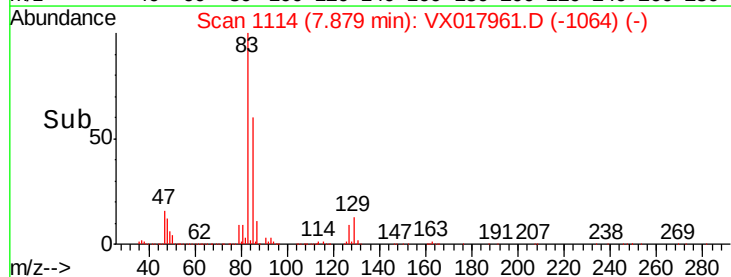
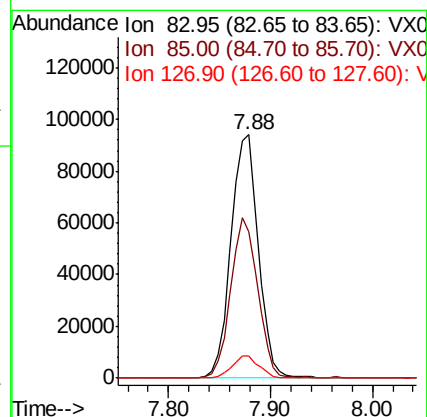
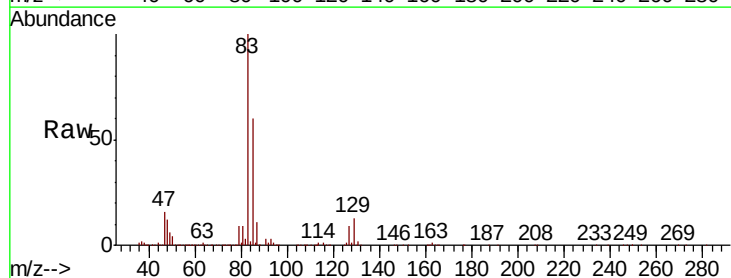
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

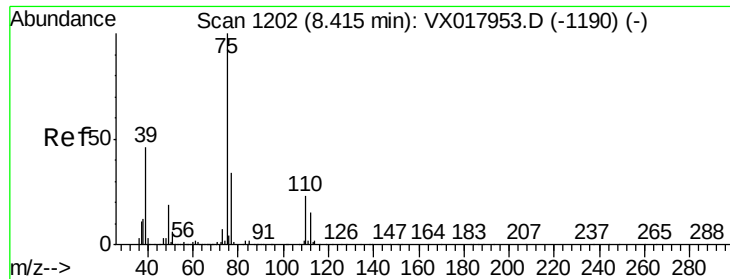
Tot Ion: 63 Resp: 119863
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.794 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion: 83 Resp: 174822
 Ion Ratio Lower Upper
 83 100
 85 59.9 45.9 85.3
 127 9.1 7.9 11.9

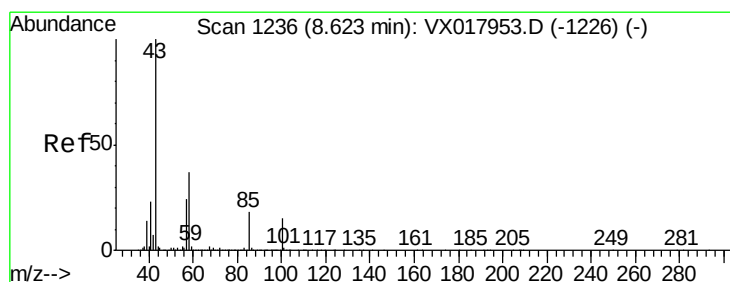
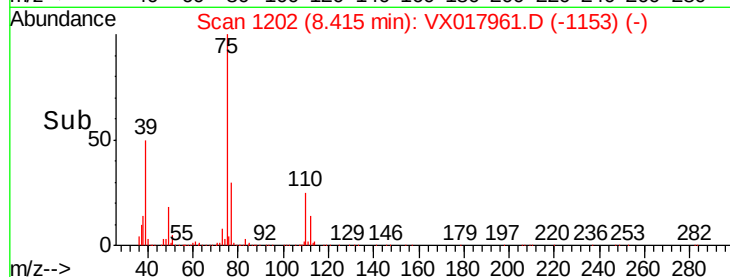
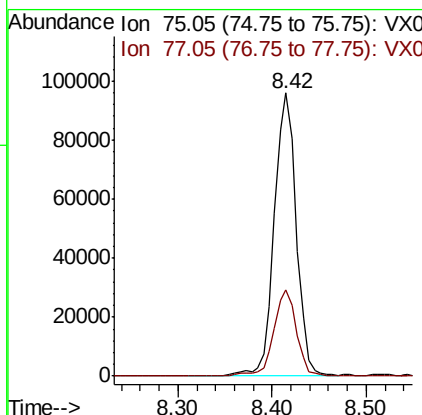
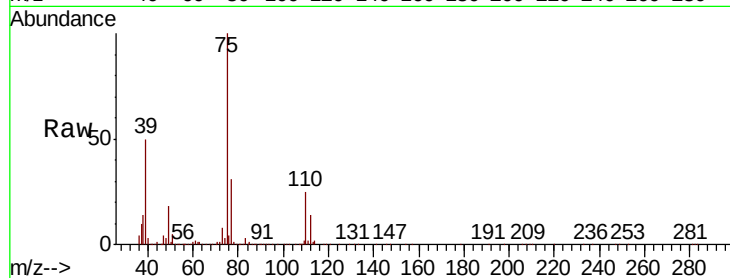




#39
 cis-1,3-Dichloropropene
 Concen: 4.702 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

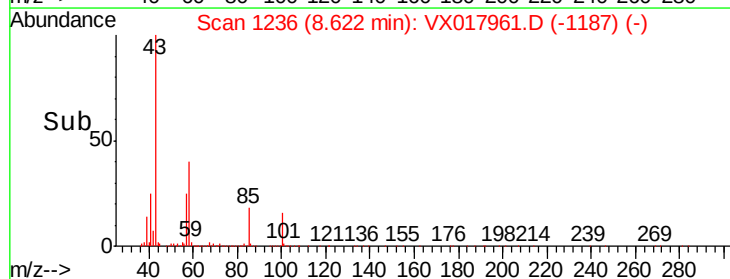
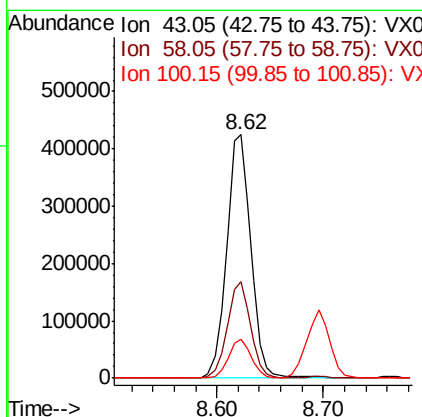
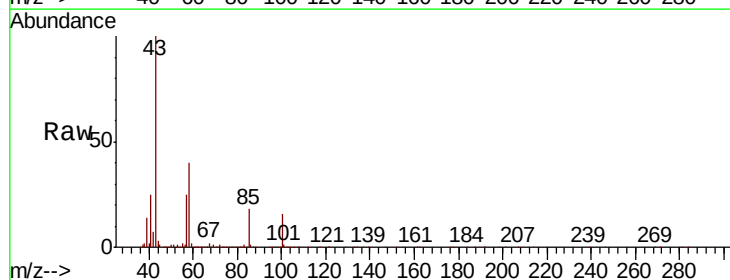
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

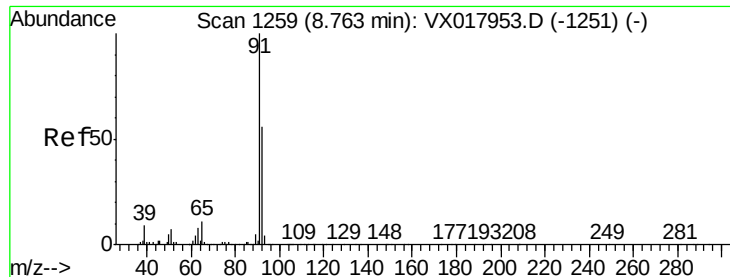
Tot Ion: 75 Resp: 156803
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 47.784 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion: 43 Resp: 673837
 Ion Ratio Lower Upper
 43 100
 58 38.1 31.1 46.7
 100 15.2 12.2 18.4





#42

Toluene

Concen: 5.155 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

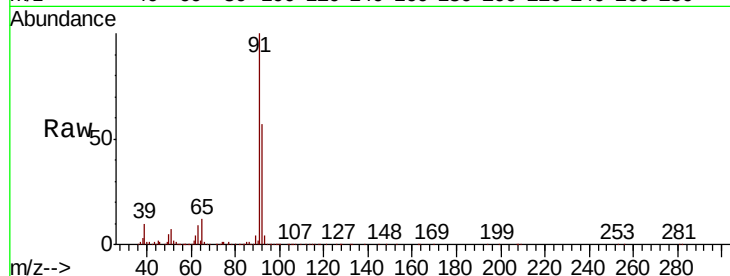
VSTD00580

Tot Ion: 91 Resp: 482025

Ion Ratio Lower Upper

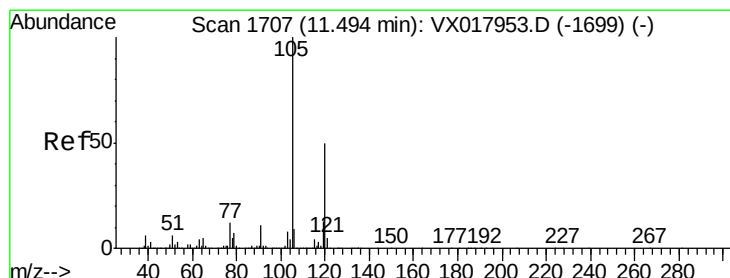
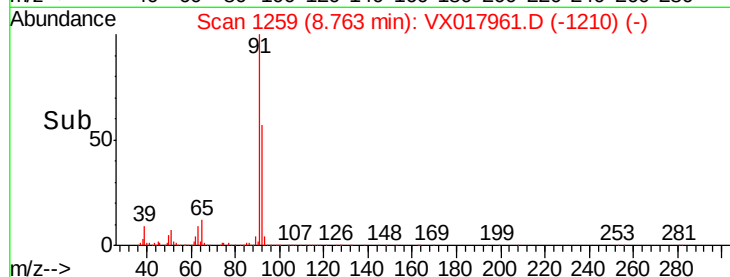
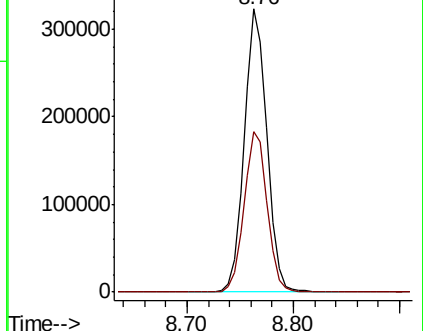
91 100

92 56.8 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#43

1,3,5-Trimethylbenzene

Concen: 5.276 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017961.D

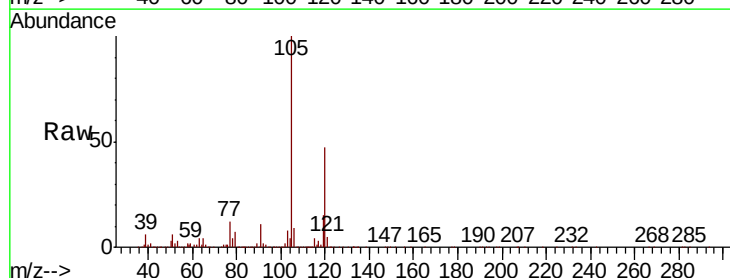
Acq: 18 Aug 2020 16:51

Tgt Ion:105 Resp: 450295

Ion Ratio Lower Upper

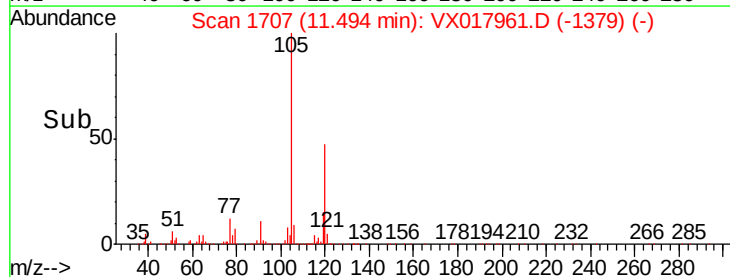
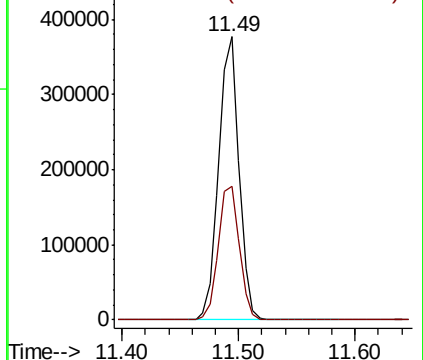
105 100

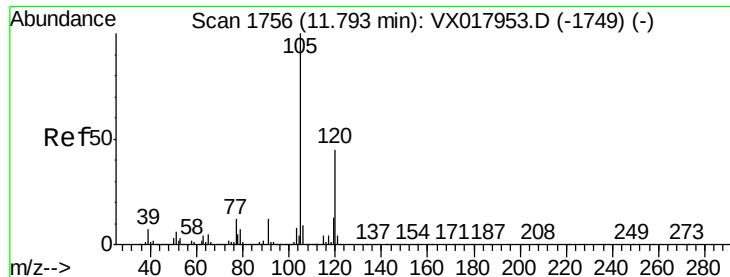
120 49.3 38.1 57.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

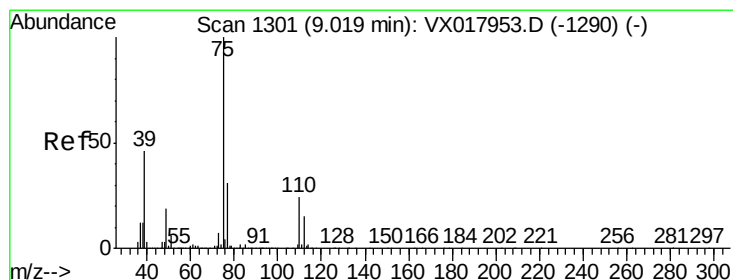
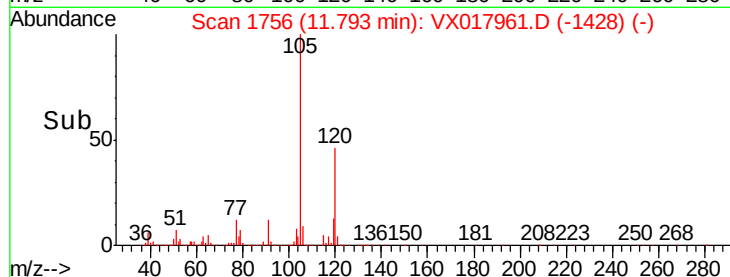
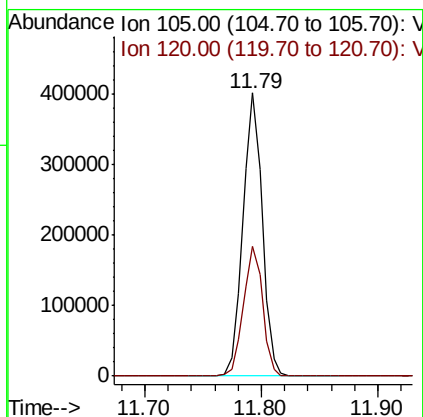
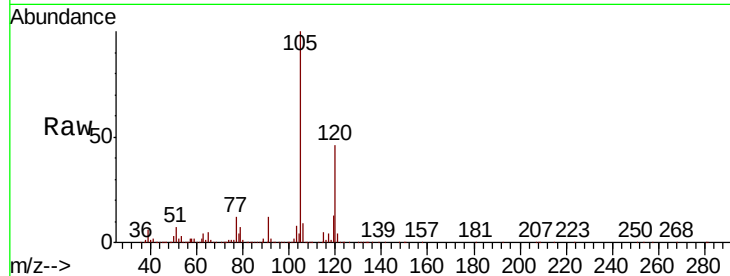




#44
 1,2,4-Trimethylbenzene
 Concen: 5.377 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

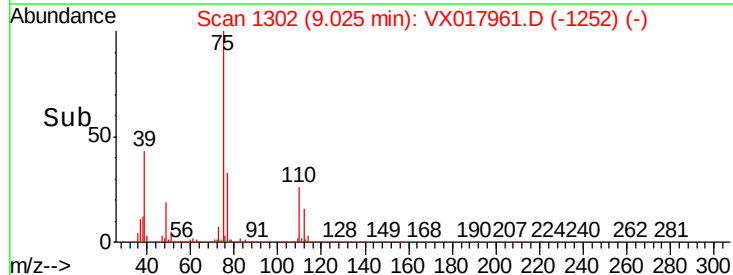
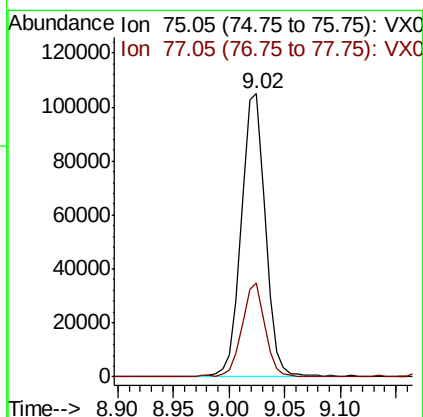
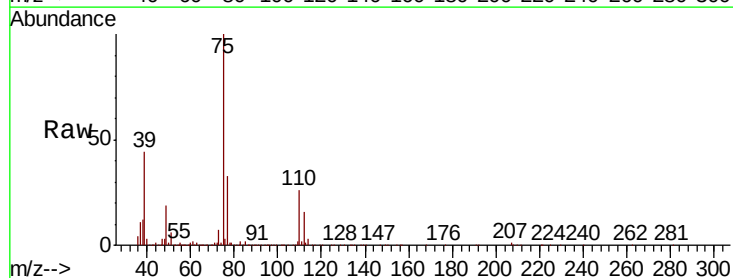
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

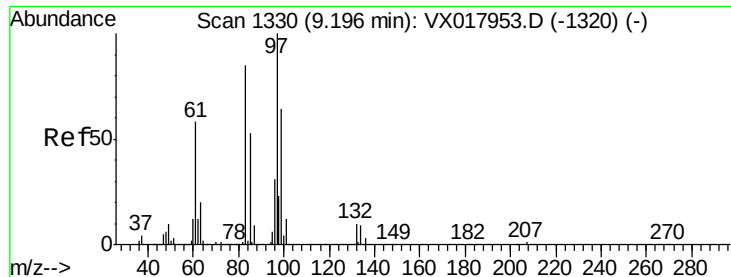
Tot Ion:105 Resp: 467289
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 5.320 ug/L
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion: 75 Resp: 158242
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.6 40.2

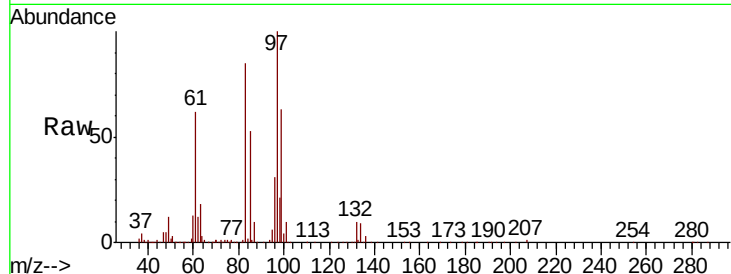




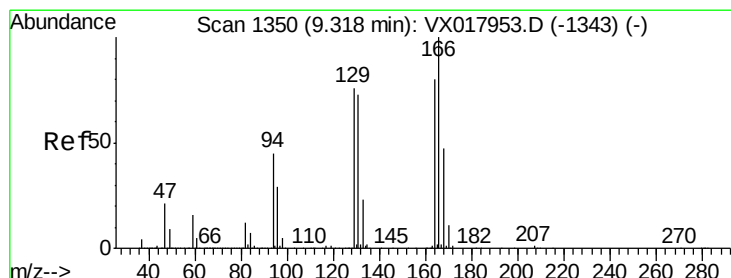
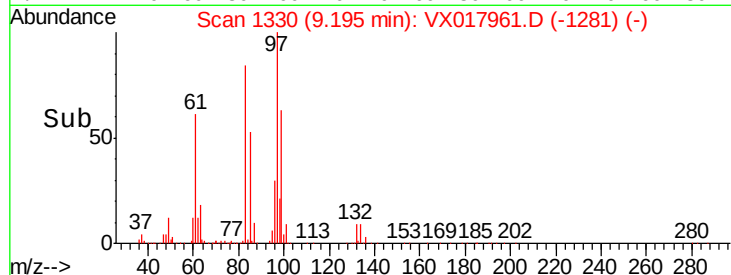
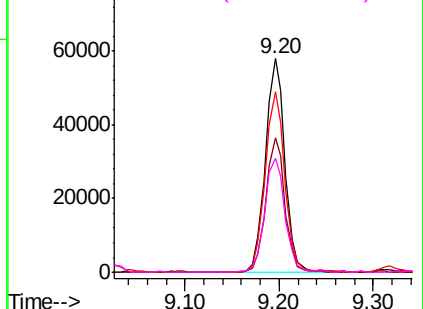
#47
 1,1,2-Trichloroethane
 Concen: 5.218 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

Tot Ion:	97	Resp:	84808
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.9	81.5
83	84.6	58.4	108.6
85	53.5	37.5	69.6

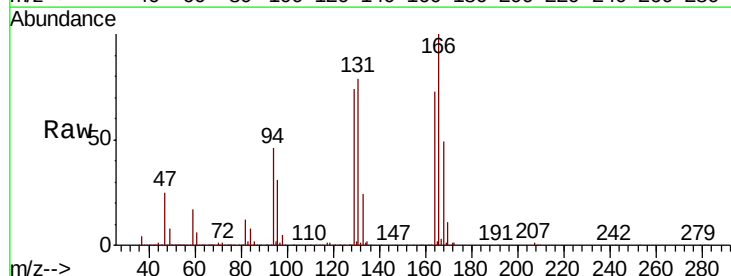


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

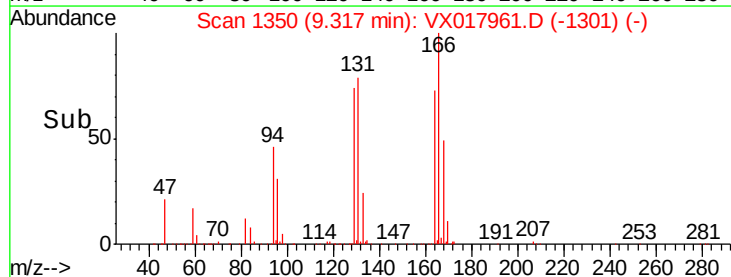
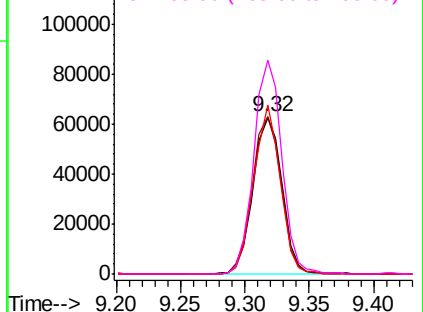


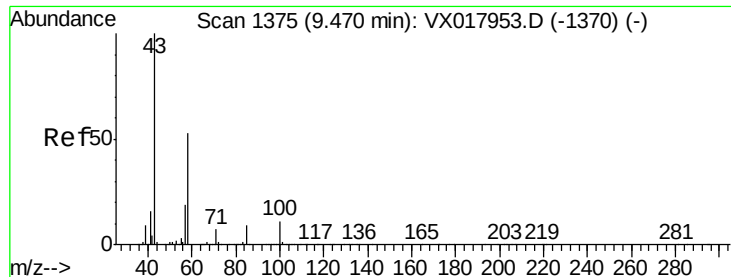
#49
 Tetrachloroethene
 Concen: 4.805 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion:	164	Resp:	96647
Ion	Ratio	Lower	Upper
164	100		
129	100.4	67.4	125.2
131	107.6	65.3	121.3
166	136.3	87.2	161.9



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

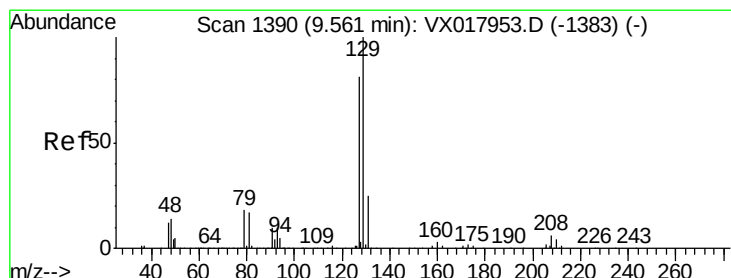
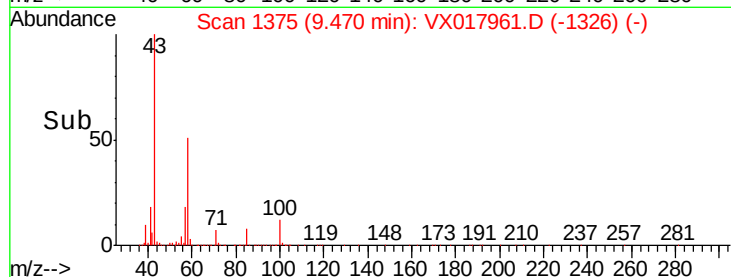
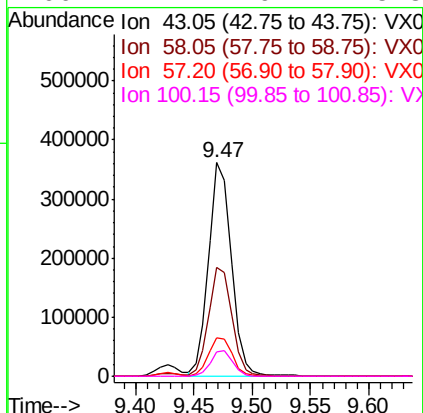
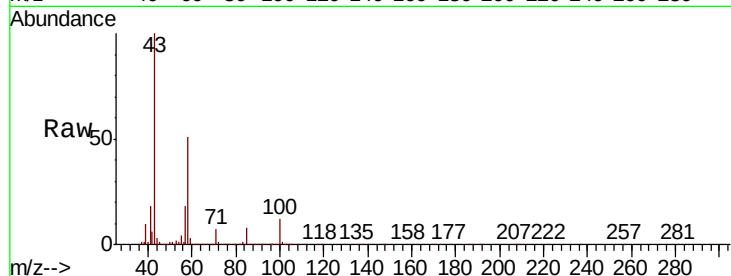




#50
2-Hexanone
Concen: 48.323 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

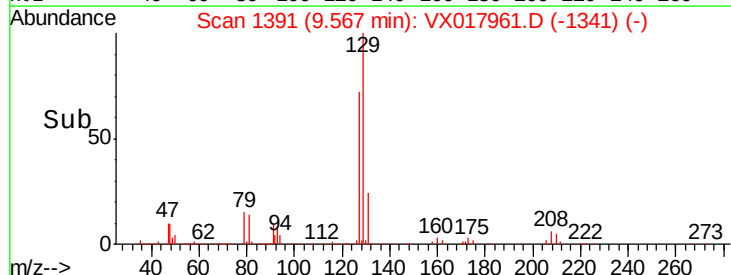
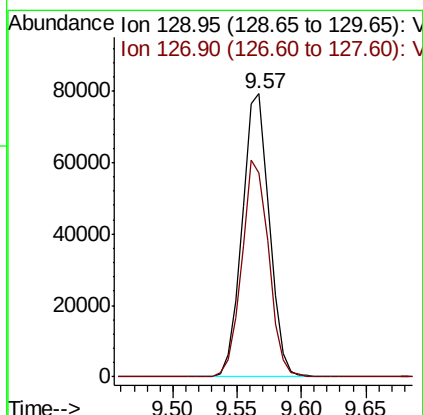
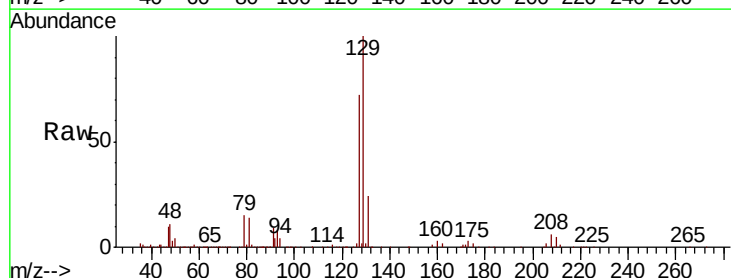
Instrument :
MSVOA_X
ClientSampleId :
VSTD00580

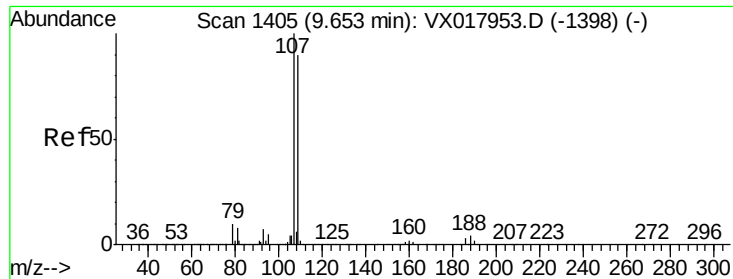
Tot Ion: 43 Resp: 488441
Ion Ratio Lower Upper
43 100
58 52.2 43.0 64.6
57 18.9 15.0 22.4
100 12.1 9.2 13.8



#51
Dibromochloromethane
Concen: 5.127 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Tgt Ion: 129 Resp: 114781
Ion Ratio Lower Upper
129 100
127 72.2 52.5 97.5

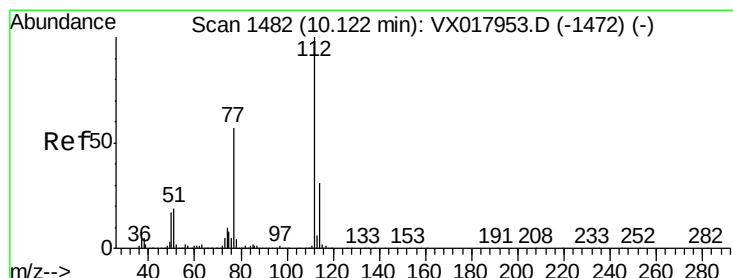
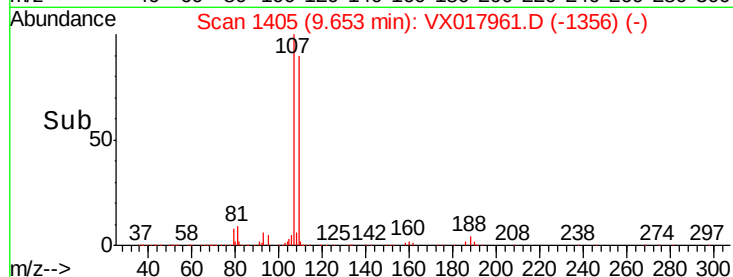
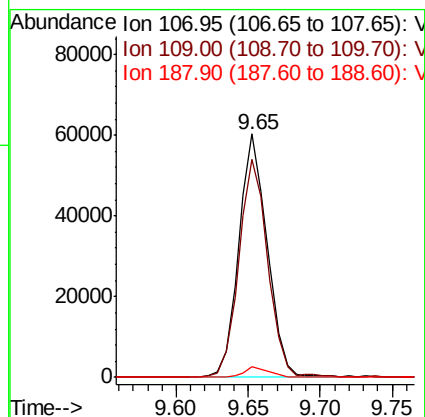
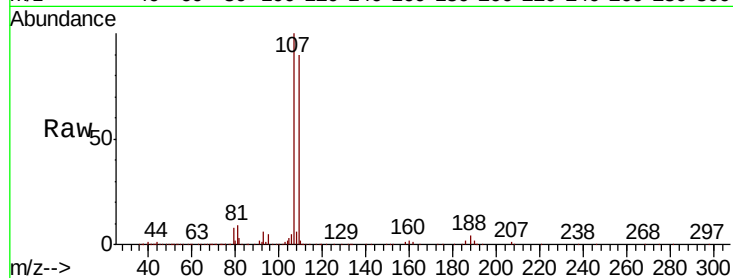




#52
 1,2-Dibromoethane
 Concen: 5.217 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

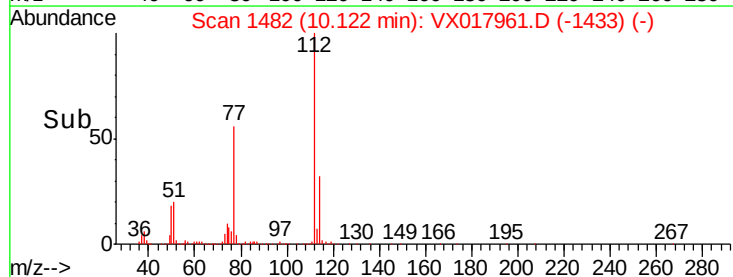
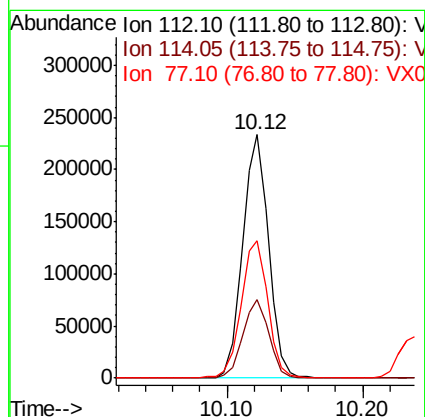
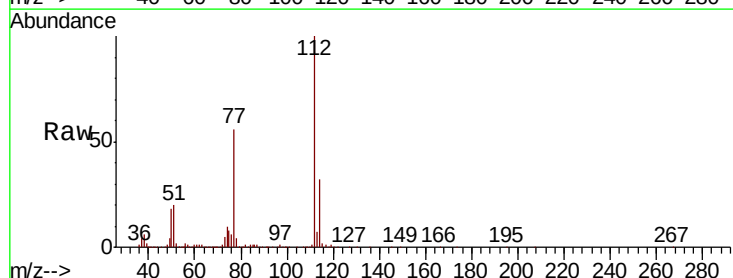
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

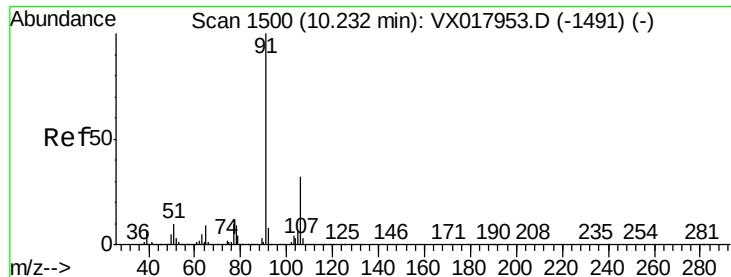
Tot Ion	Ratio	Lower	Upper
107	100		
109	89.6	64.6	120.0
188	4.4	2.5	3.7#



#53
 Chlorobenzene
 Concen: 5.084 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.5	43.7
77	56.4	46.7	70.1





#54

Ethylbenzene

Concen: 5.160 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

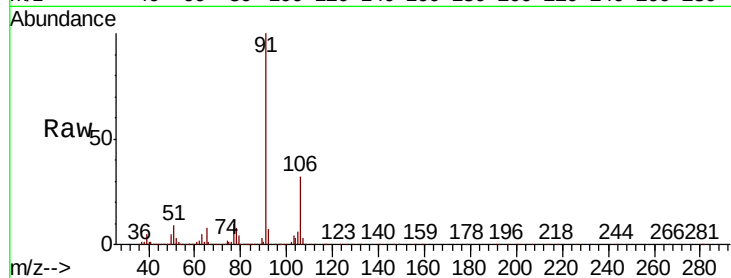
VSTD00580

Tot Ion: 91 Resp: 526476

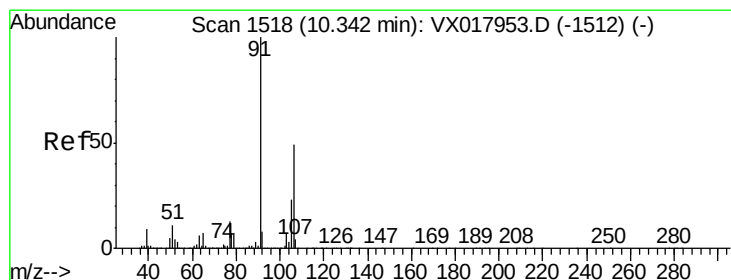
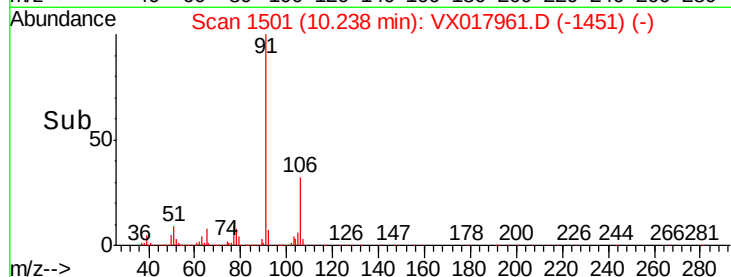
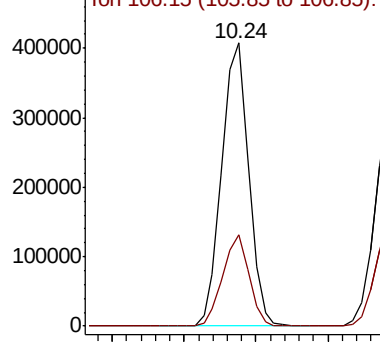
Ion Ratio Lower Upper

91 100

106 32.1 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VX017953.D (-1491) (-)



#55

m,p-xylene

Concen: 4.981 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017961.D

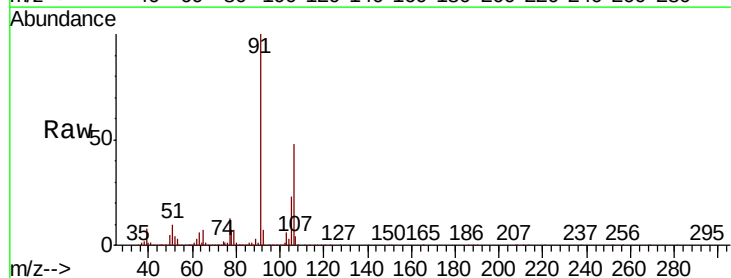
Acq: 18 Aug 2020 16:51

Tgt Ion: 106 Resp: 194043

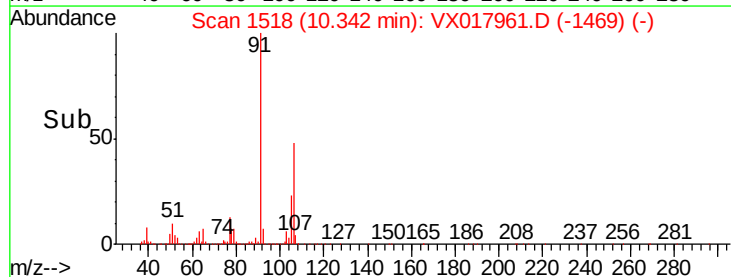
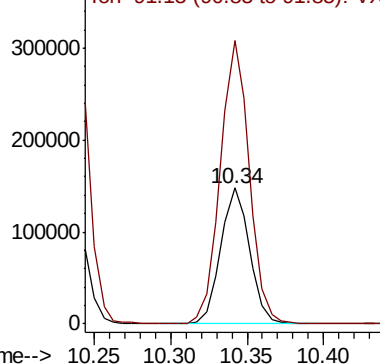
Ion Ratio Lower Upper

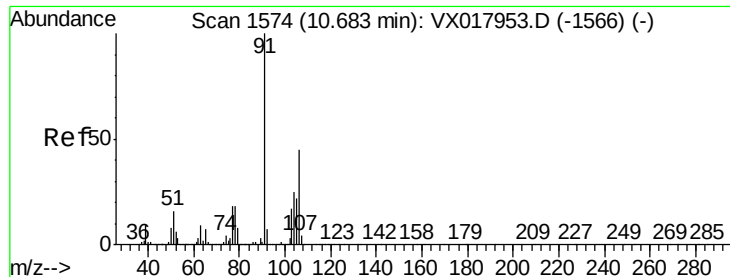
106 100

91 207.9 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): VX017953.D (-1512) (-)

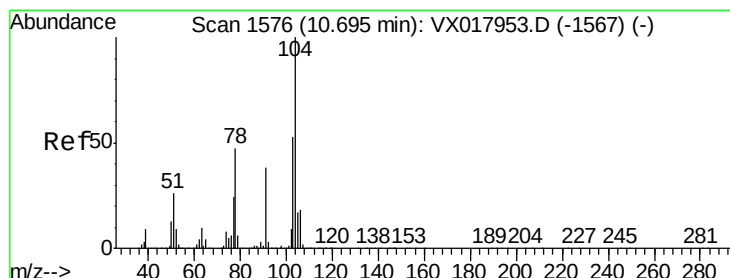
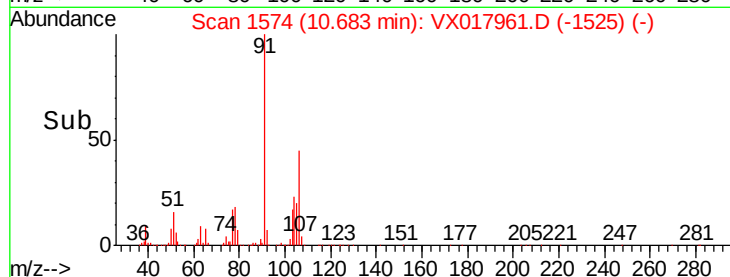
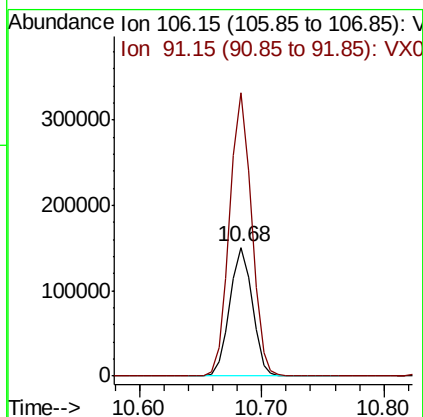
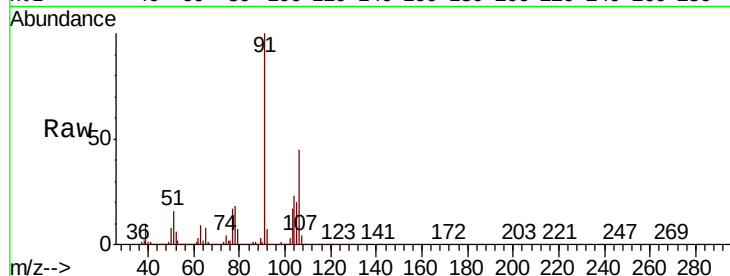




#56
o-xylene
Concen: 5.103 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

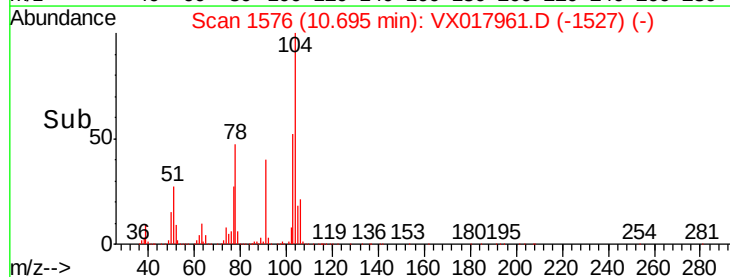
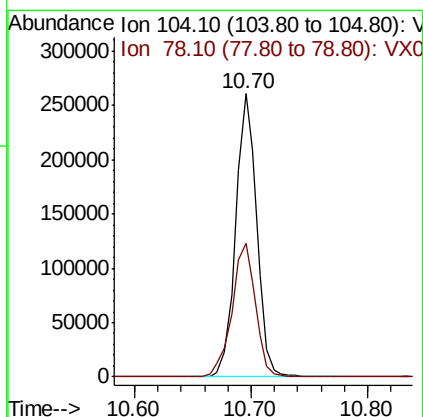
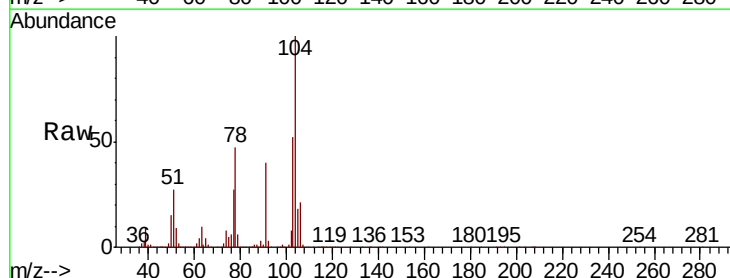
Instrument :
MSVOA_X
ClientSampleId :
VSTD00580

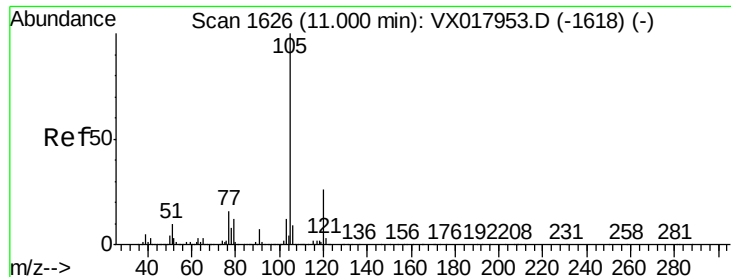
Tot Ion:106 Resp: 192777
Ion Ratio Lower Upper
106 100
91 219.9 149.8 278.2



#57
Styrene
Concen: 5.134 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017961.D
Acq: 18 Aug 2020 16:51

Tgt Ion:104 Resp: 327985
Ion Ratio Lower Upper
104 100
78 47.2 33.7 62.5





#58

Isopropylbenzene

Concen: 5.177 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD00580

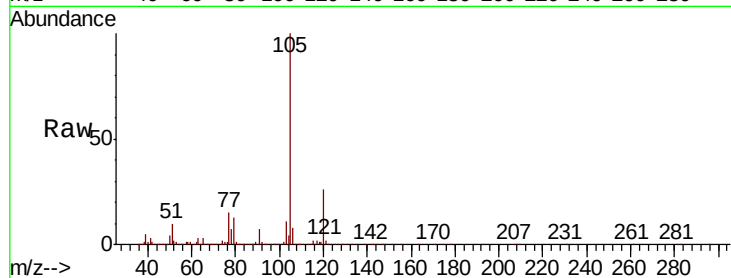
Tot Ion:105 Resp: 523466

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.6

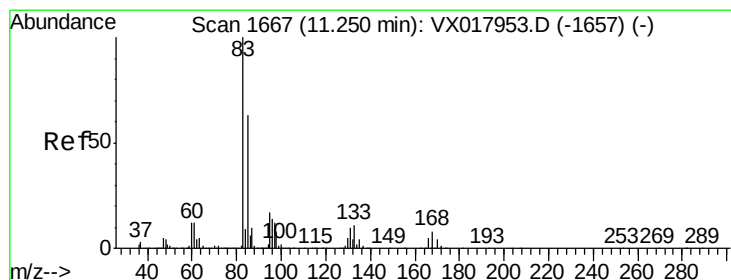
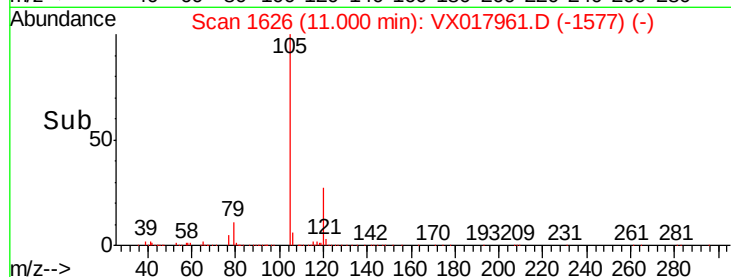
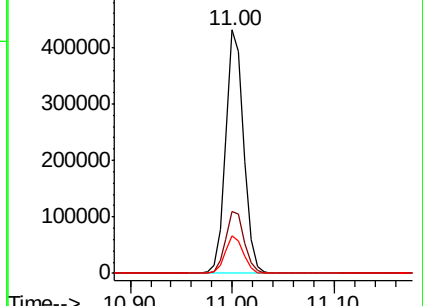
77 15.6 12.8 19.2



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: 5.828 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

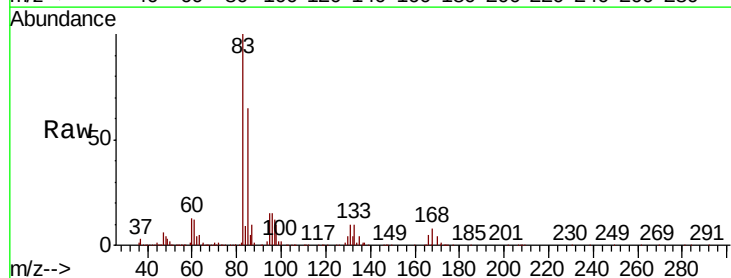
Tgt Ion: 83 Resp: 104021

Ion Ratio Lower Upper

83 100

85 64.9 44.6 82.8

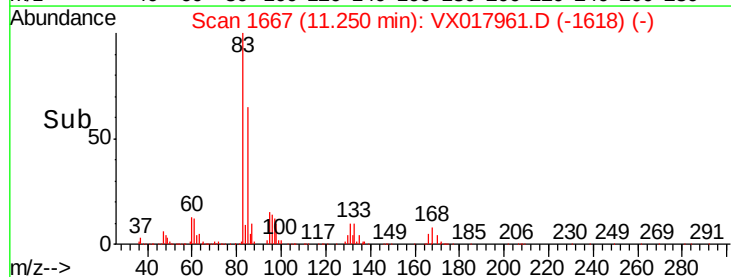
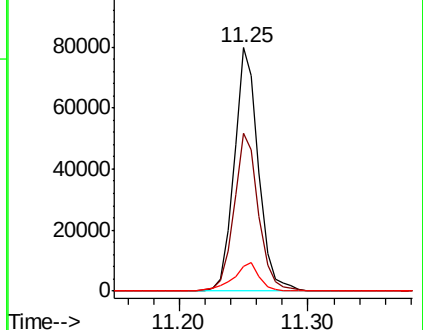
131 10.4 8.2 12.2

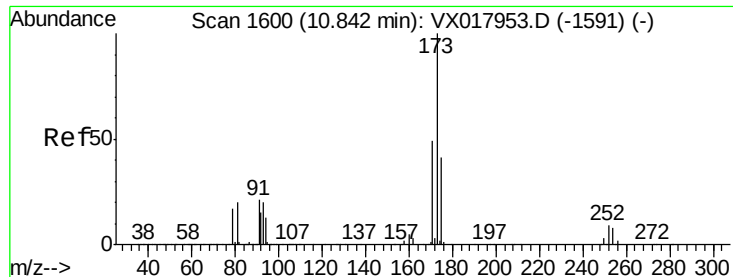


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.075 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD00580

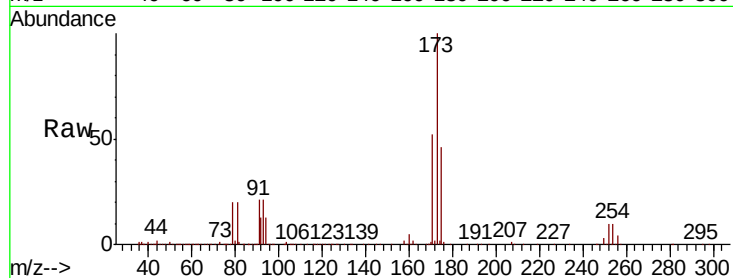
Tot Ion:173 Resp: 69817

Ion Ratio Lower Upper

173 100

175 47.8 40.0 60.0

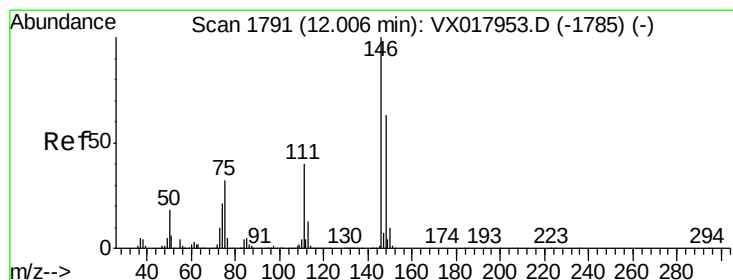
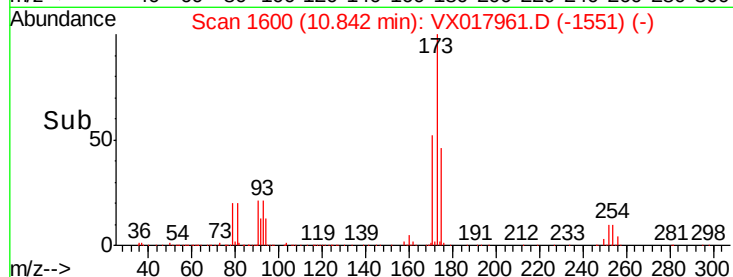
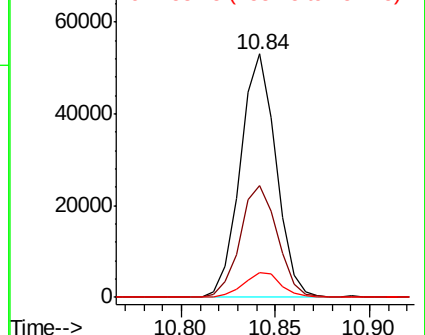
254 10.5 7.7 11.5



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: 5.275 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

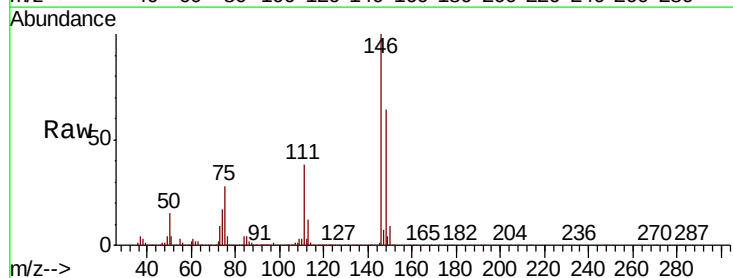
Tgt Ion:146 Resp: 282606

Ion Ratio Lower Upper

146 100

111 38.2 27.6 51.4

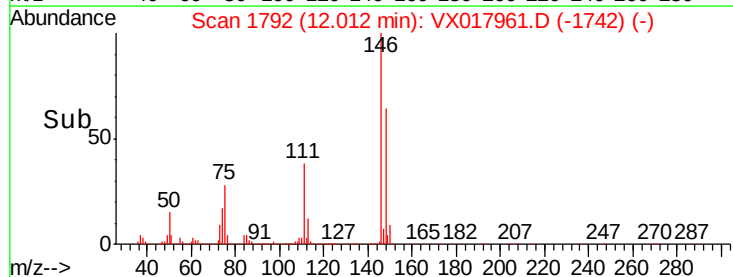
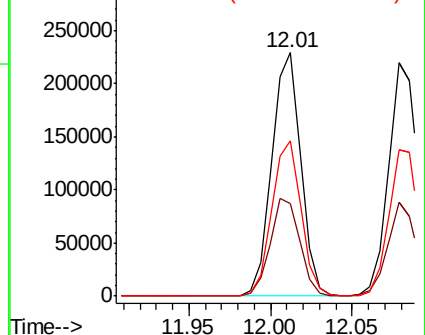
148 63.8 43.9 81.5

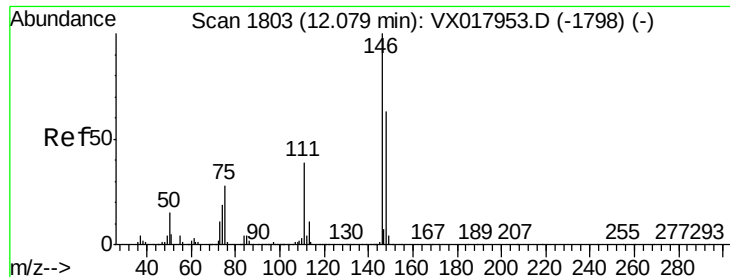


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.198 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD00580

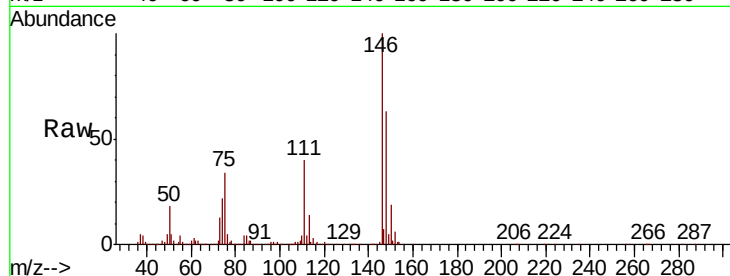
Tot Ion:146 Resp: 277031

Ion Ratio Lower Upper

146 100

111 40.1 26.0 48.2

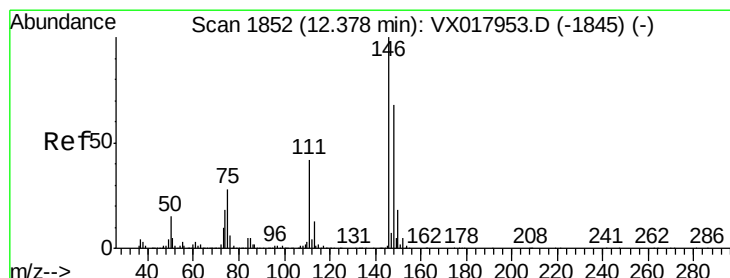
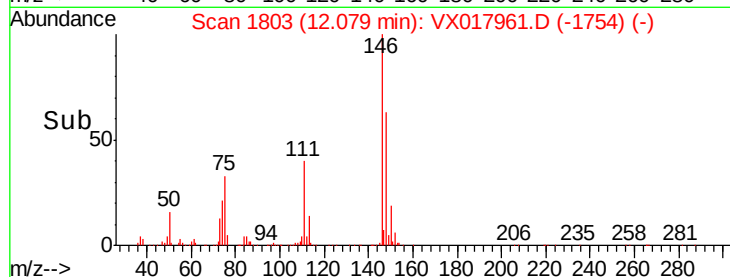
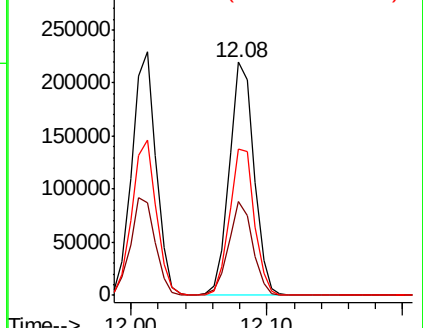
148 62.8 43.2 80.2



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: 5.159 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

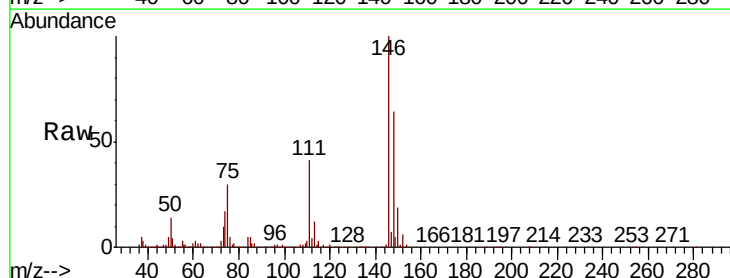
Tgt Ion:146 Resp: 256740

Ion Ratio Lower Upper

146 100

111 41.0 32.2 48.4

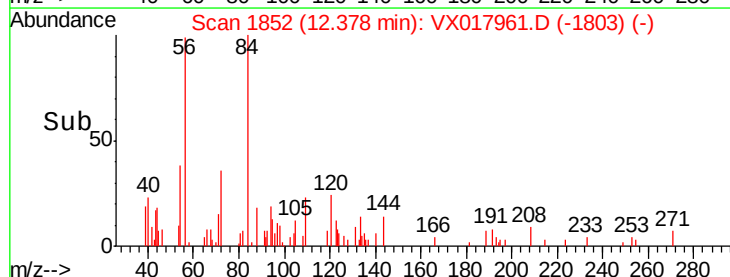
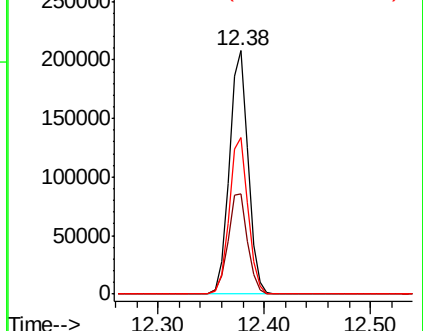
148 64.2 52.3 78.5

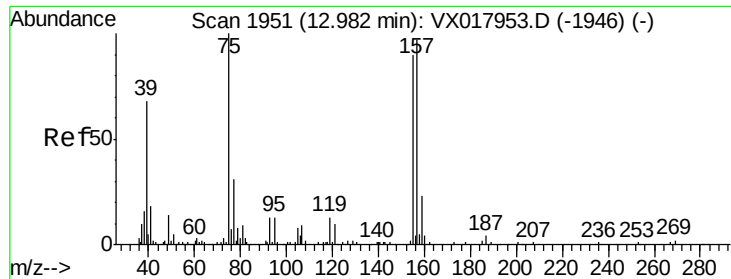


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

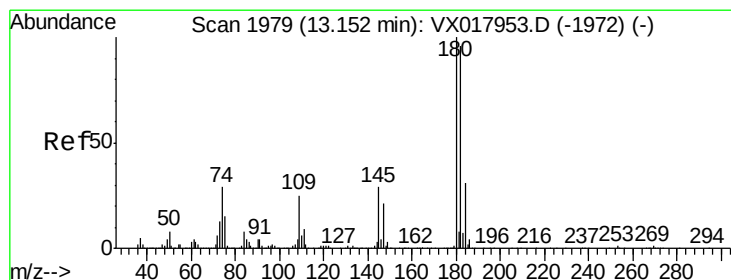
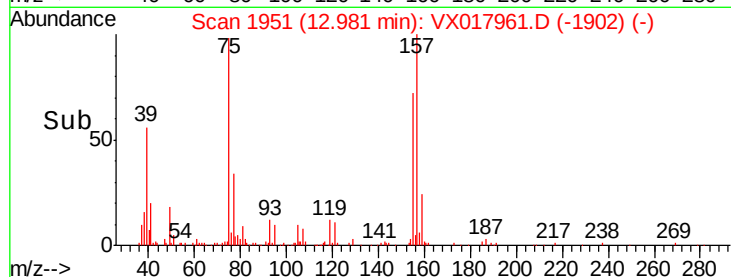
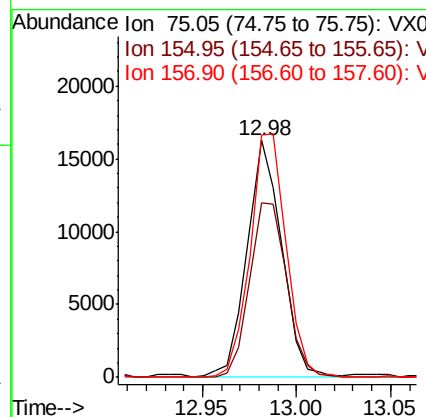
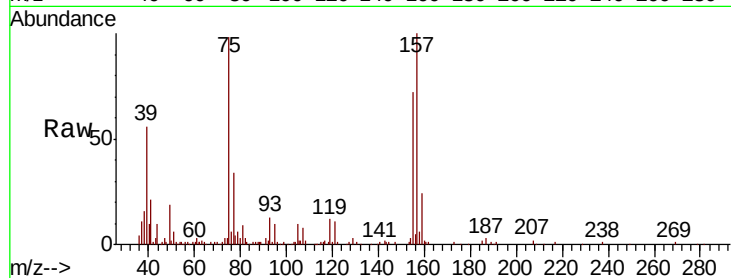




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.820 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

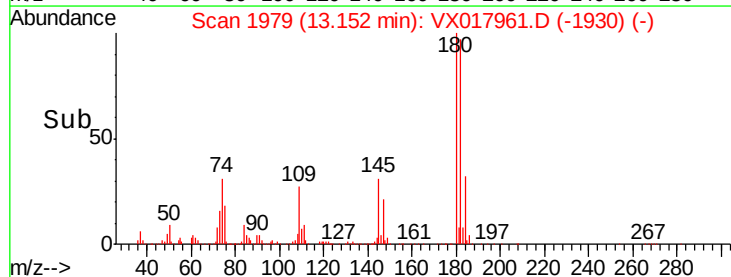
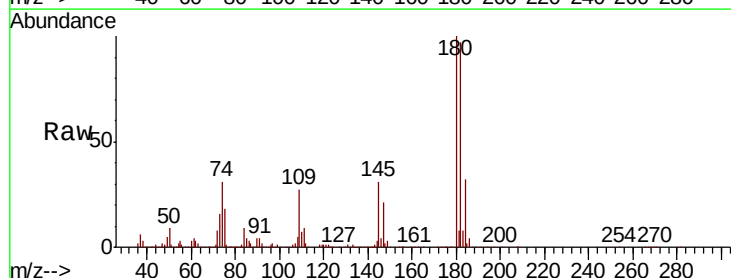
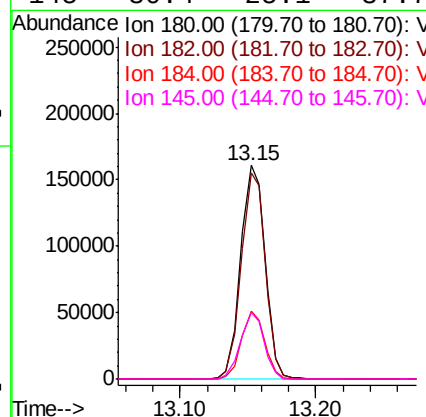
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

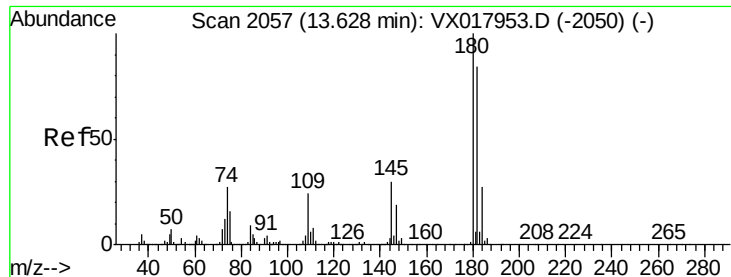
Tot Ion	Ratio	Lower	Upper
75	100		
155	73.6	60.9	91.3
157	102.2	83.3	124.9



#68
 1,3,5-Trichlorobenzene
 Concen: 5.056 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	80.2	120.4
184	30.4	24.9	37.3
145	30.4	25.1	37.7

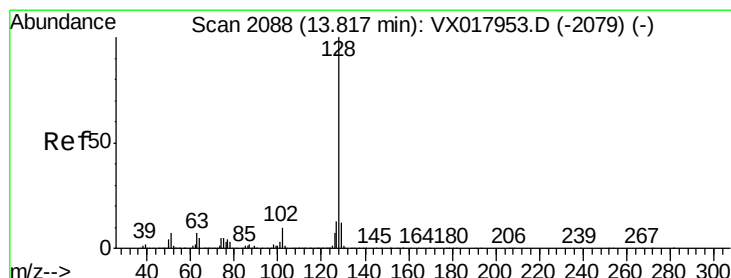
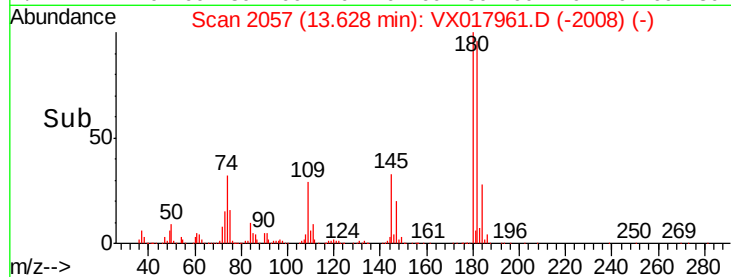
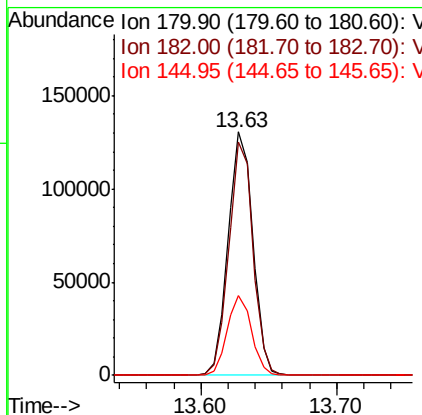
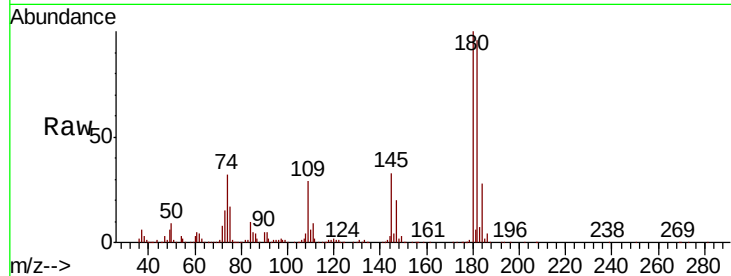




#69
 1,2,4-trichlorobenzene
 Concen: 4.706 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

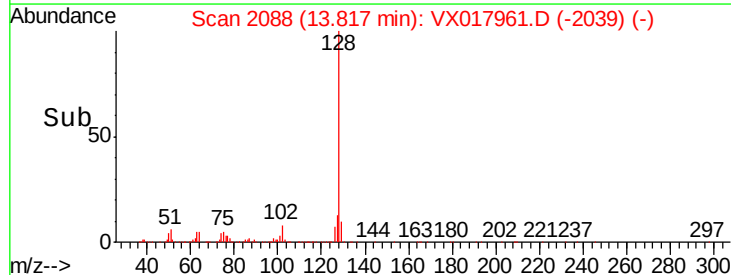
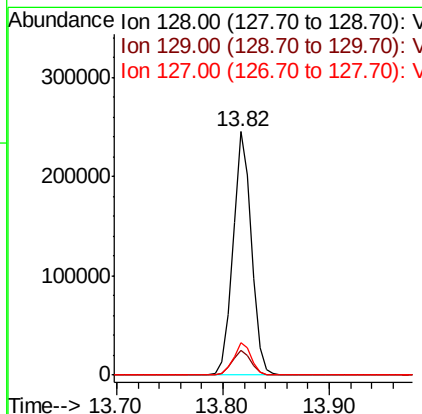
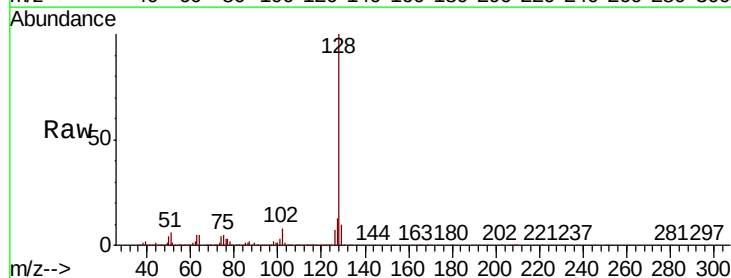
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00580

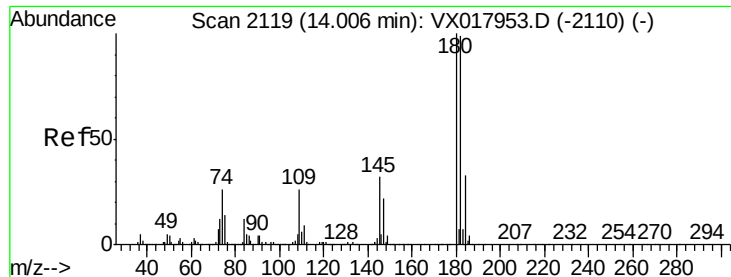
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.5	114.7
145	32.0	25.4	38.0



#70
 Naphthalene
 Concen: 4.616 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX017961.D
 Acq: 18 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.4	12.6
127	13.1	11.0	16.4





#71

1,2,3-Trichlorobenzene

Concen: 5.063 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX017961.D

Acq: 18 Aug 2020 16:51

Instrument :

MSVOA_X

ClientSampleId :

VSTD00580

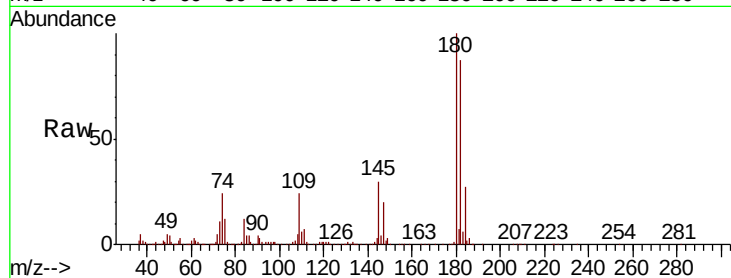
Tot Ion:180 Resp: 166851

Ion Ratio Lower Upper

180 100

182 91.0 75.4 113.0

145 32.6 27.4 41.0



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

