

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081020\
 Data File : VX017840.D
 Acq On : 10 Aug 2020 10:40
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00568

Quant Time: Aug 11 07:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 00:10:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	348018	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	331262	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	173043	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	89425	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.69	69	82024	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.34	63	199879	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.53	46	329483	51.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	5.14	84	229510	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	6.03	65	128059	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	6.04	84	381708	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	7.37	67	127019	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	8.70	98	348949	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
45) trans-1,3-Dichloropropene-	8.99	79	54918	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
48) 2-Hexanone-d5	9.43	63	257471	50.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.78%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	107709	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	162850	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	172542	4.264	ug/L	98
3) Chloromethane	1.31	50	168452	5.098	ug/L	98
5) Vinyl chloride	1.39	62	167576	5.113	ug/L	98
6) Bromomethane	1.63	94	105724	5.542	ug/L	98
8) Chloroethane	1.72	64	97786	5.334	ug/L	96
9) Trichlorofluoromethane	1.92	101	270512	5.128	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	148971	5.175	ug/L	96
12) 1,1-Dichloroethene	2.36	96	135585	5.083	ug/L	93
13) Acetone	2.42	43	235503	50.471	ug/L	97
14) Carbon disulfide	2.55	76	450877	4.706	ug/L	99
15) Methyl Acetate	2.75	43	61325	4.458	ug/L	95
16) Methylene chloride	2.83	84	157943	4.286	ug/L	96
17) Methyl tert-butyl Ether	3.17	73	361437	5.060	ug/L	98
18) trans-1,2-Dichloroethene	3.14	96	155857	5.149	ug/L	93
19) 1,1-Dichloroethane	3.67	63	275937	5.111	ug/L	97
21) 2-Butanone	4.64	43	385130	47.789	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	165088	5.198	ug/L #	98

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

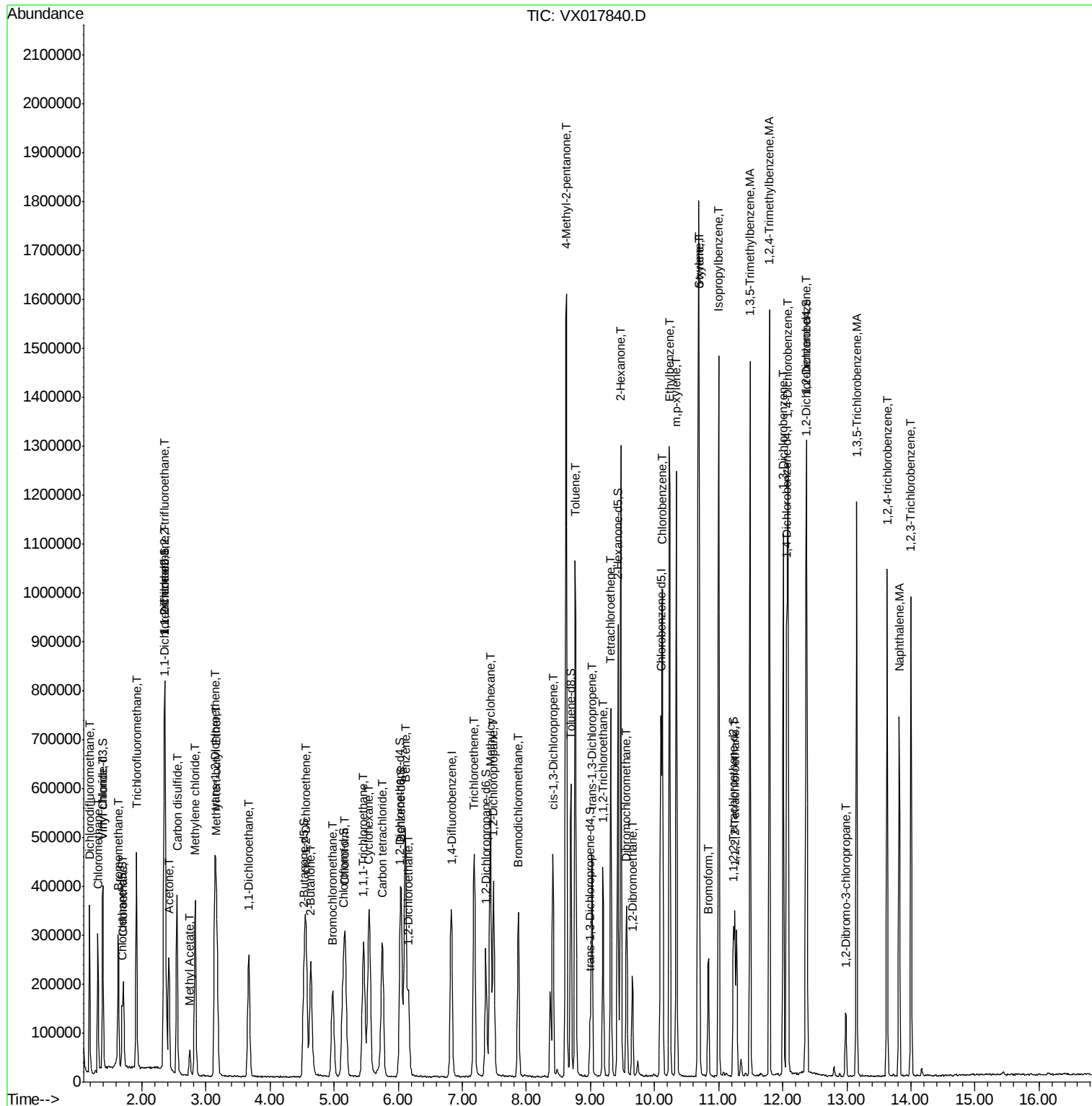
23) Bromochloromethane	4.98	128	76221	5.128	ug/L #	92
25) Chloroform	5.17	83	305272	5.250	ug/L	96
27) 1,2-Dichloroethane	6.16	62	188826	5.062	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	279711	5.147	ug/L	99
30) Cyclohexane	5.54	56	227787	4.831	ug/L	100
31) Carbon tetrachloride	5.75	117	253018	5.052	ug/L	100
33) Benzene	6.11	78	607795	5.183	ug/L	100
34) Trichloroethene	7.19	95	172081	5.027	ug/L	94
35) Methylcyclohexane	7.43	83	242867	5.047	ug/L	99
37) 1,2-Dichloropropane	7.49	63	157976	5.357	ug/L	99
38) Bromodichloromethane	7.87	83	217826	5.302	ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	233329	5.139	ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	952825	49.624	ug/L	100
42) Toluene	8.76	91	672864	5.285	ug/L	97
43) 1,3,5-Trimethylbenzene	11.49	105	630062	5.422	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	656262	5.546	ug/L	100
46) trans-1,3-Dichloropropene	9.02	75	211204	5.215	ug/L	99
47) 1,1,2-Trichloroethane	9.20	97	111597	5.043	ug/L	97
49) Tetrachloroethene	9.32	164	142125	5.190	ug/L	94
50) 2-Hexanone	9.47	43	685197	49.786	ug/L	99
51) Dibromochloromethane	9.56	129	154831	5.080	ug/L	99
52) 1,2-Dibromoethane	9.65	107	109719	5.065	ug/L #	96
53) Chlorobenzene	10.12	112	441865	5.332	ug/L	97
54) Ethylbenzene	10.23	91	727221	5.234	ug/L	97
55) m,p-xylene	10.34	106	282649	5.328	ug/L	96
56) o-xylene	10.68	106	272783	5.304	ug/L	99
57) Styrene	10.70	104	470105	5.405	ug/L	99
58) Isopropylbenzene	11.00	105	729795	5.301	ug/L	100
60) 1,1,2,2-Tetrachloroethane	11.25	83	121119	4.984	ug/L	97
62) Bromoform	10.84	173	91957	5.313	ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	370449	5.497	ug/L	98
64) 1,4-Dichlorobenzene	12.08	146	366459	5.466	ug/L	98
66) 1,2-Dichlorobenzene	12.37	146	337257	5.388	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.98	75	25676	4.721	ug/L	97
68) 1,3,5-Trichlorobenzene	13.15	180	283161	5.689	ug/L	97
69) 1,2,4-trichlorobenzene	13.63	180	250607	5.688	ug/L	98
70) Naphthalene	13.82	128	438046	5.412	ug/L	99
71) 1,2,3-Trichlorobenzene	14.01	180	231331	5.580	ug/L	98

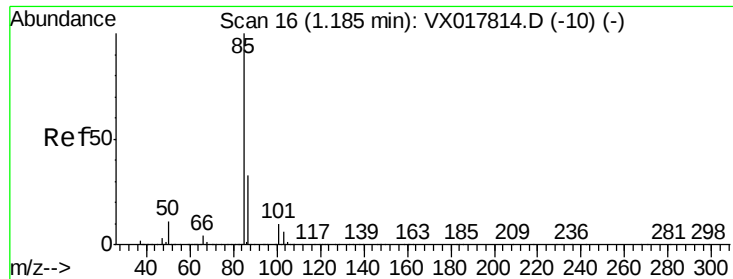
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.264 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

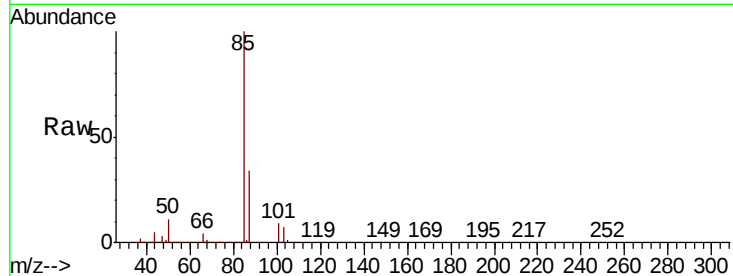
VSTD00568

Tot Ion: 85 Resp: 172542

Ion Ratio Lower Upper

85 100

87 32.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

200000

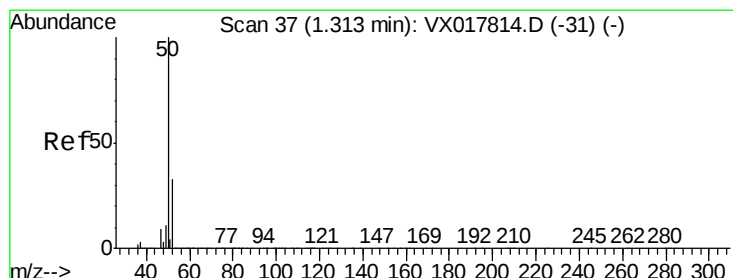
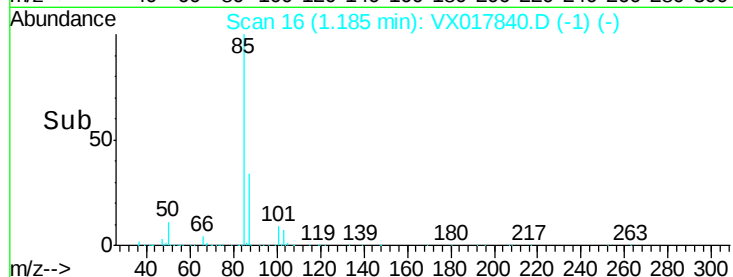
150000

100000

50000

0

Time--> 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 5.098 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017840.D

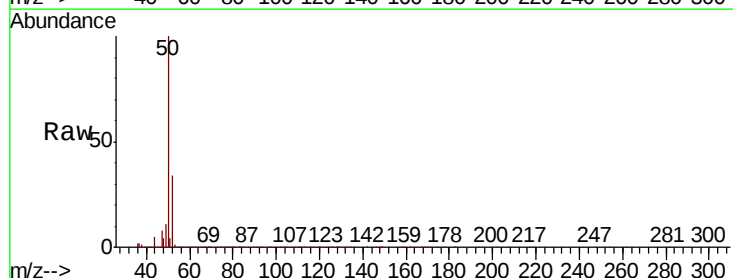
Acq: 10 Aug 2020 10:40

Tgt Ion: 50 Resp: 168452

Ion Ratio Lower Upper

50 100

52 33.6 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

1.31

200000

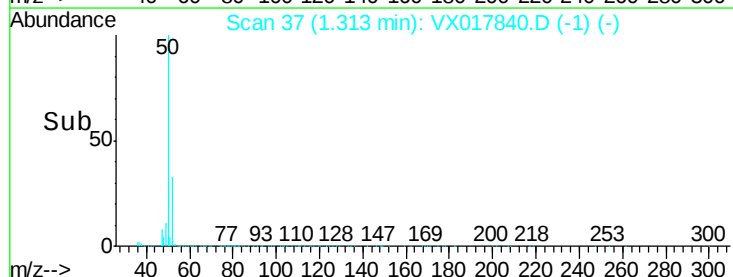
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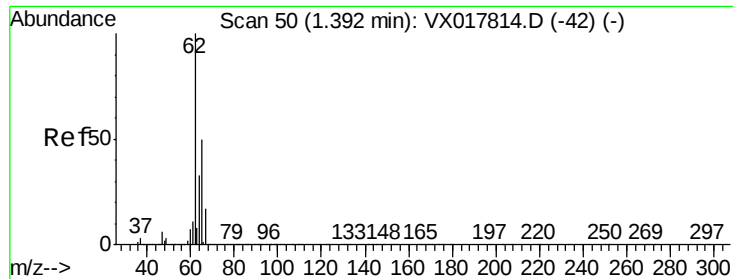
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50000

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Time--> 1.25 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 5.113 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

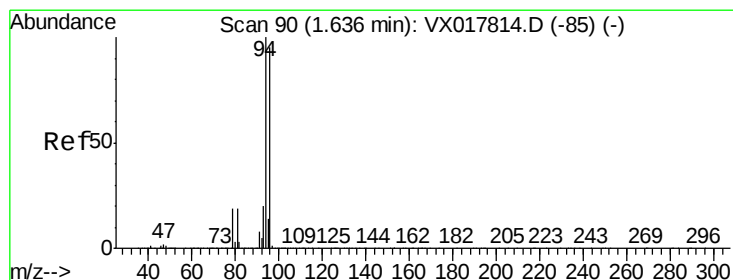
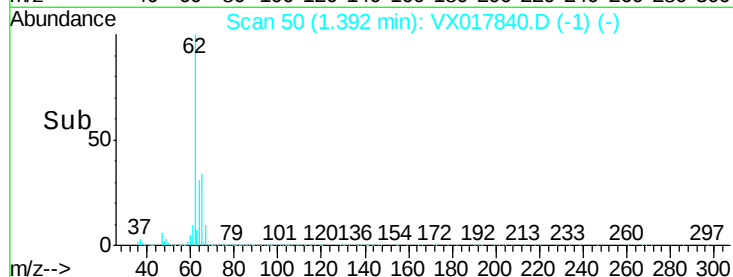
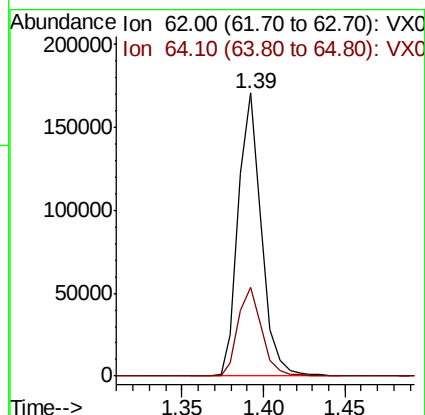
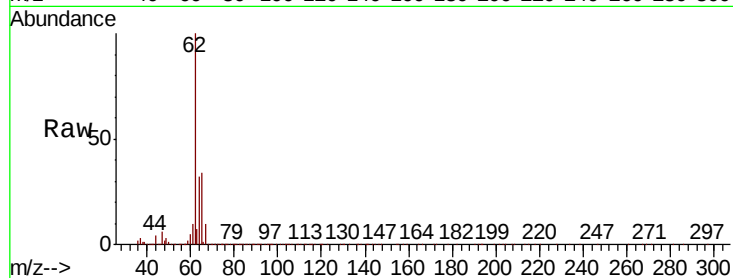
VSTD00568

Tot Ion: 62 Resp: 167576

Ion Ratio Lower Upper

62 100

64 31.6 21.3 39.6



#6

Bromomethane

Concen: 5.542 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017840.D

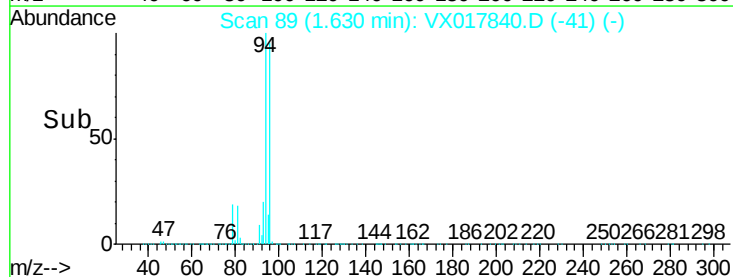
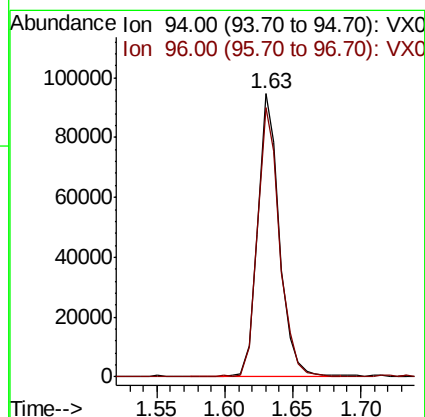
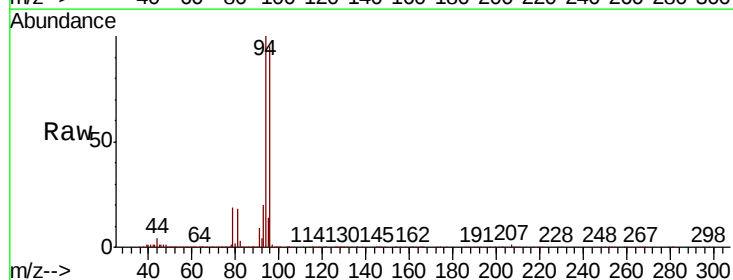
Acq: 10 Aug 2020 10:40

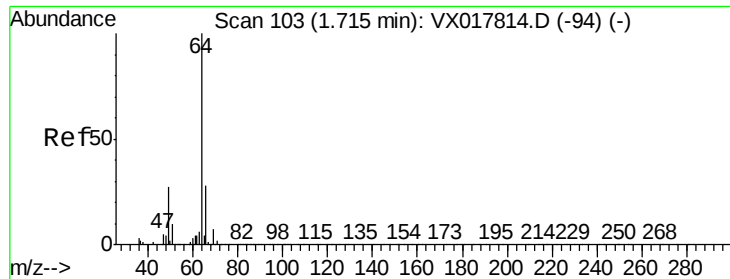
Tgt Ion: 94 Resp: 105724

Ion Ratio Lower Upper

94 100

96 95.3 68.5 127.1

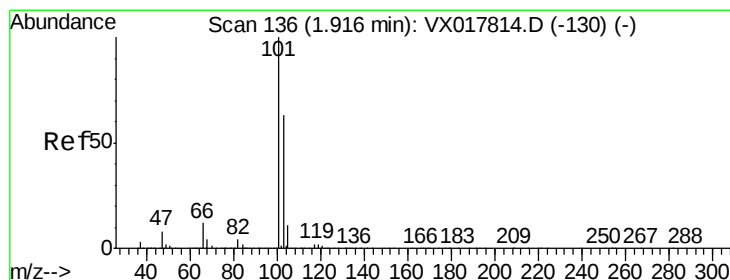
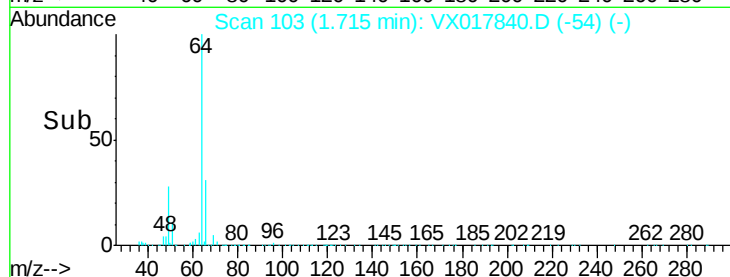
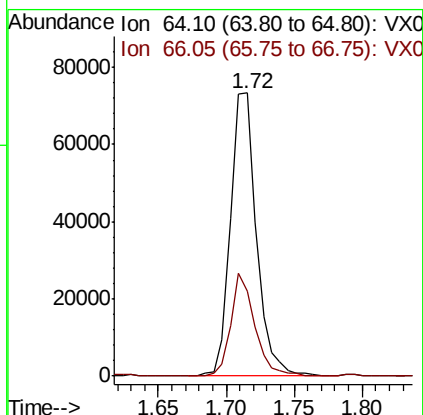
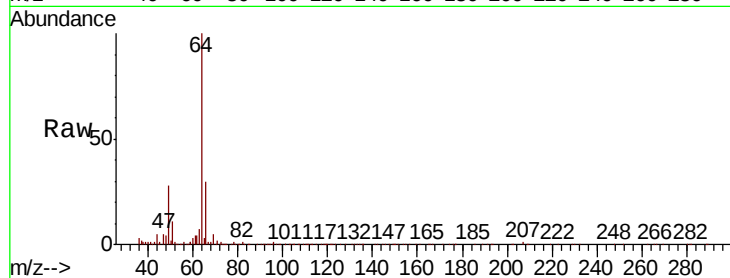




#8
Chloroethane
Concen: 5.334 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

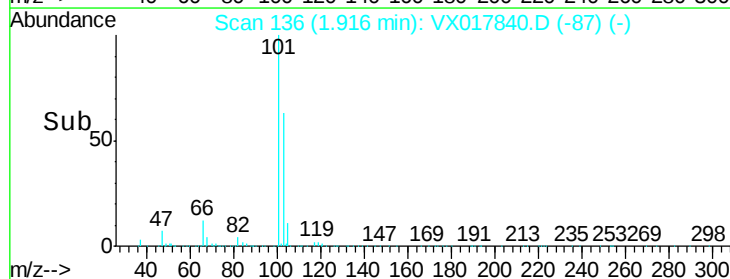
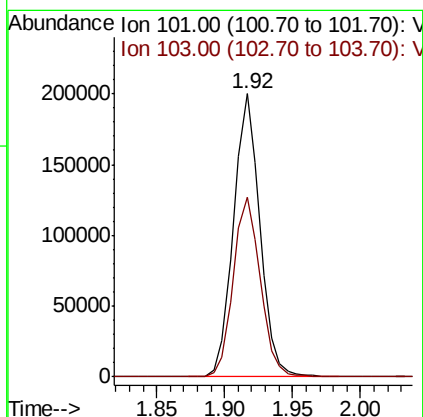
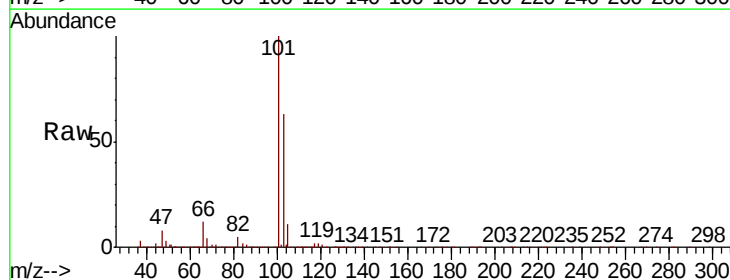
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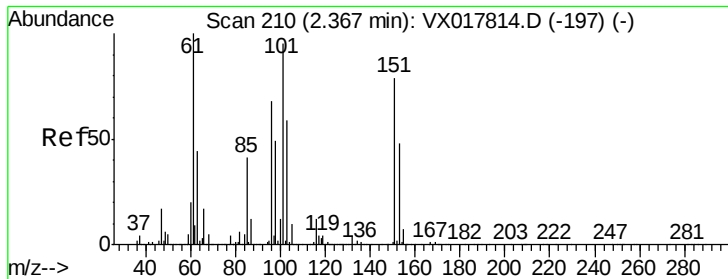
Tot Ion: 64 Resp: 97786
Ion Ratio Lower Upper
64 100
66 30.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.128 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Tgt Ion: 101 Resp: 270512
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0





#10

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

Concen: 5.175 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

VSTD00568

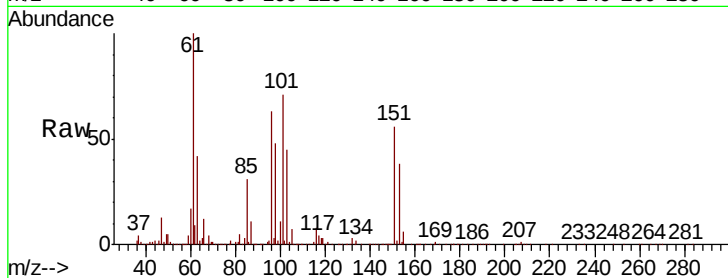
Tot Ion:101 Resp: 148971

Ion Ratio Lower Upper

101 100

85 45.6 34.3 51.5

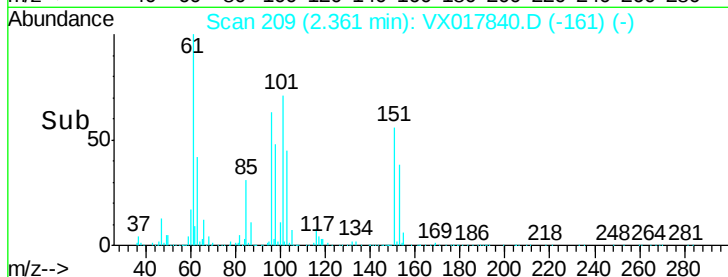
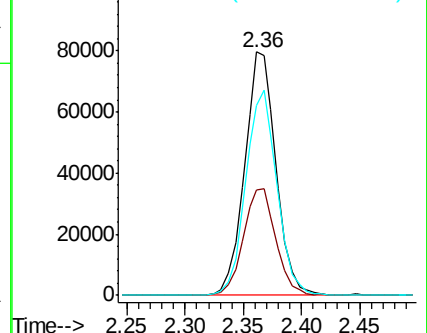
151 84.2 64.8 97.2



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: 5.083 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

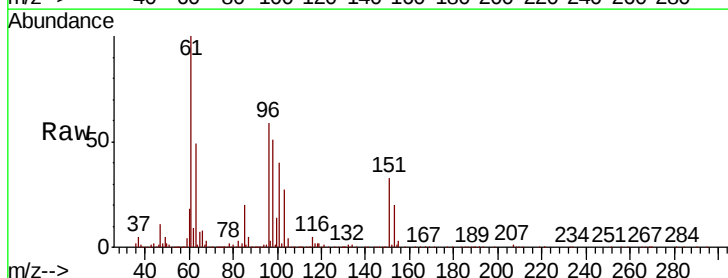
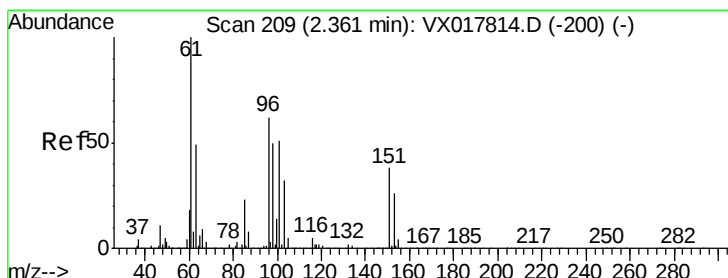
Tgt Ion: 96 Resp: 135585

Ion Ratio Lower Upper

96 100

61 169.9 123.5 229.3

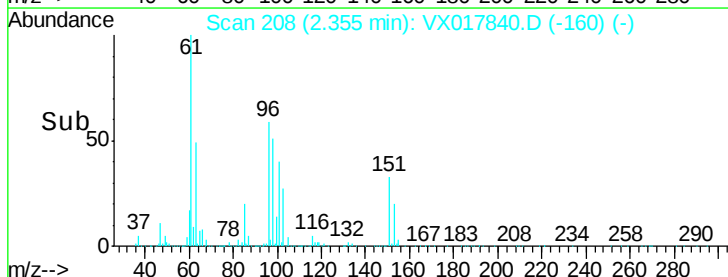
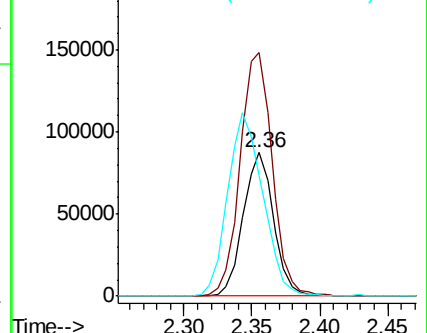
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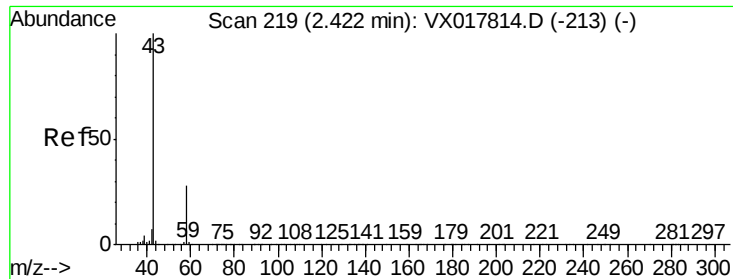


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 50.471 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

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ClientSampleId :

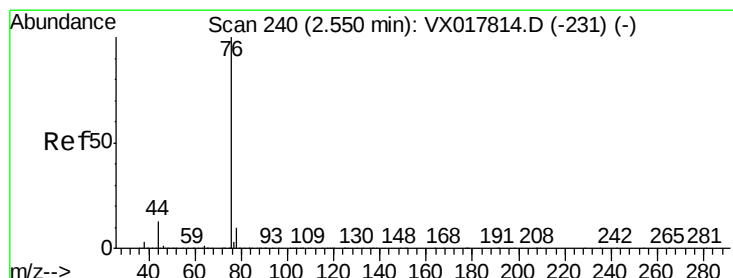
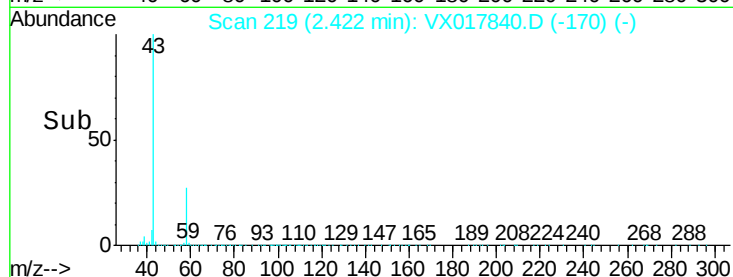
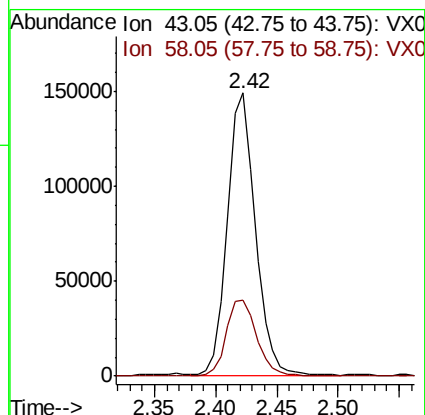
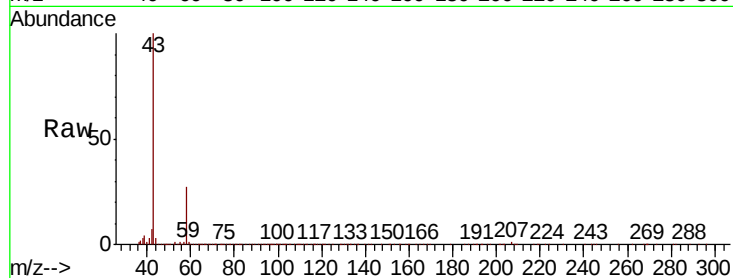
VSTD00568

Tot Ion: 43 Resp: 235503

Ion Ratio Lower Upper

43 100

58 28.8 0.0 60.8



#14

Carbon disulfide

Concen: 4.706 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017840.D

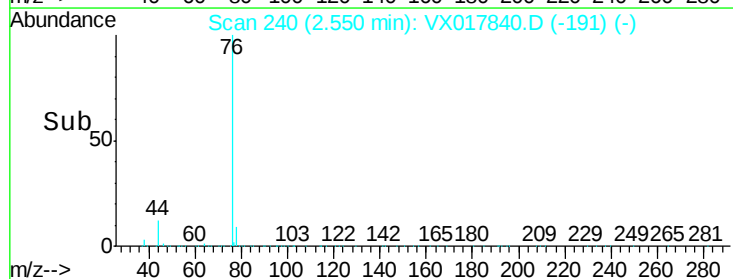
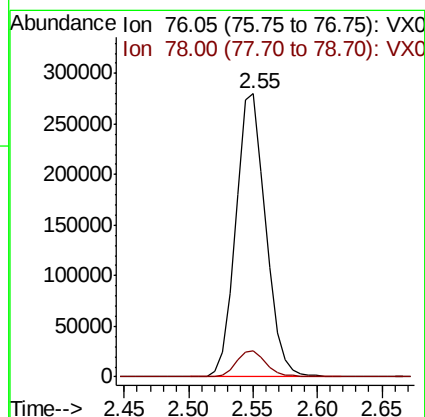
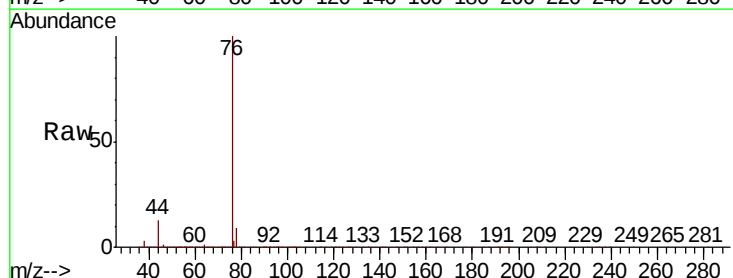
Acq: 10 Aug 2020 10:40

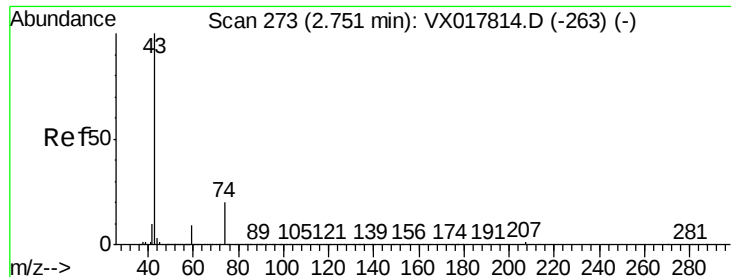
Tgt Ion: 76 Resp: 450877

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

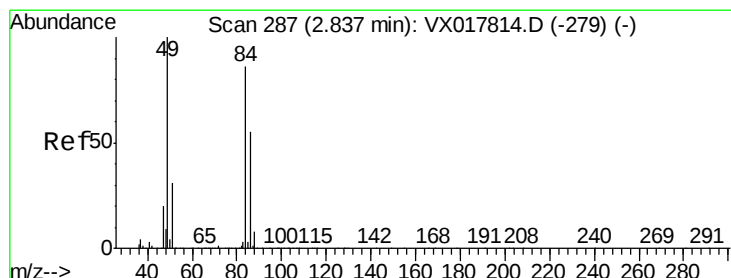
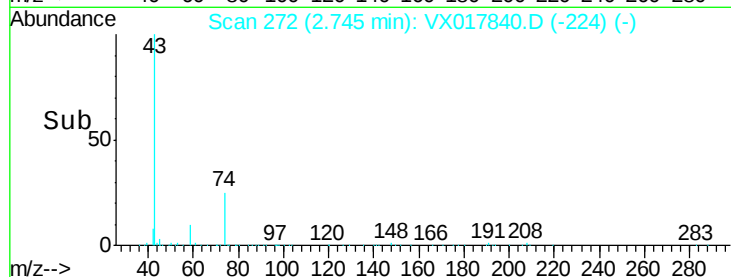
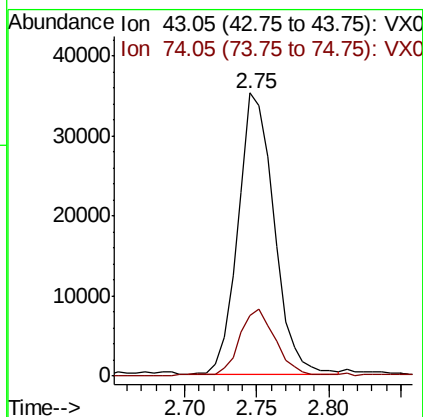
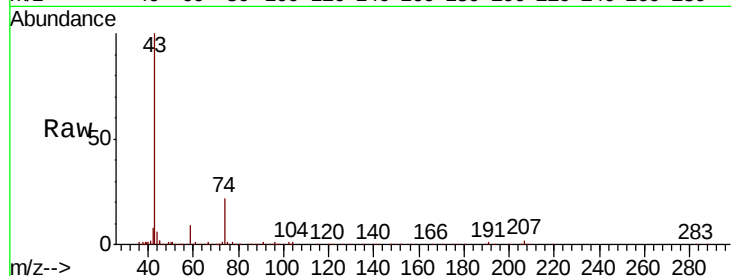




#15
Methvl Acetate
Concen: 4.458 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

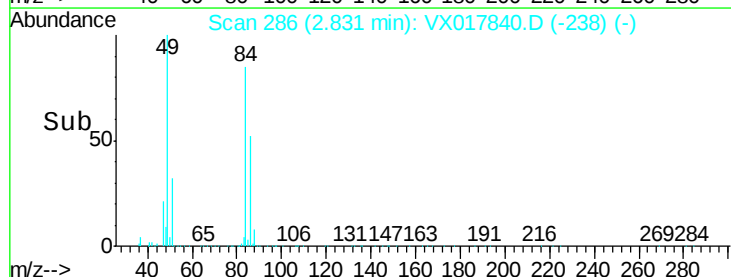
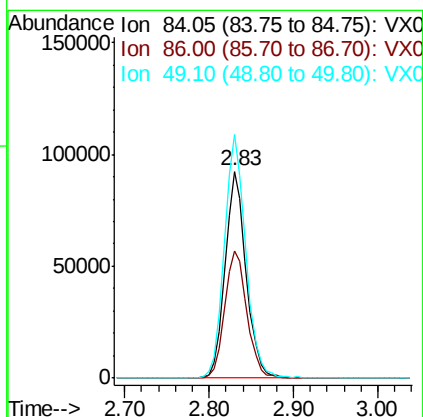
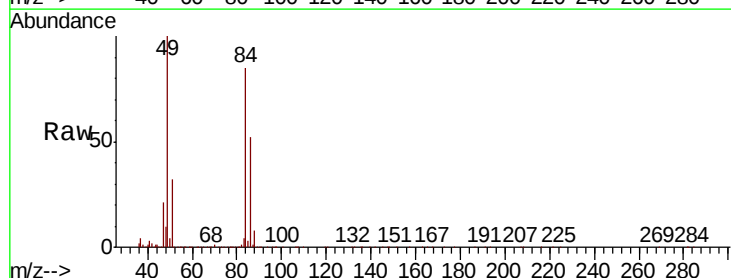
Instrument :
MSVOA_X
ClientSampleId :
VSTD00568

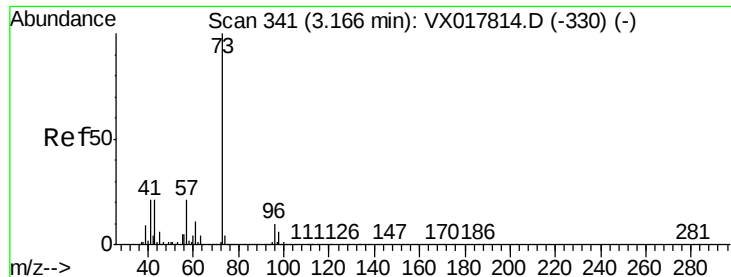
Tot Ion: 43 Resp: 61325
Ion Ratio Lower Upper
43 100
74 23.1 20.4 30.6



#16
Methylene chloride
Concen: 4.286 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Tgt Ion: 84 Resp: 157943
Ion Ratio Lower Upper
84 100
86 61.4 43.0 80.0
49 117.7 86.9 161.3

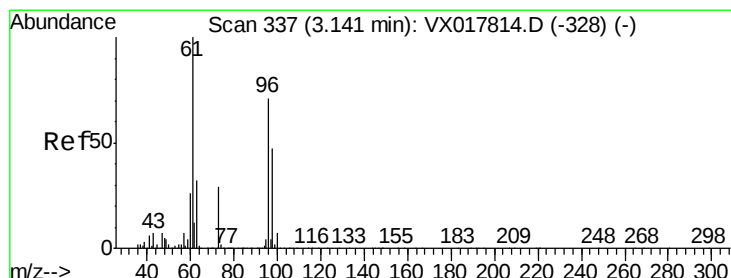
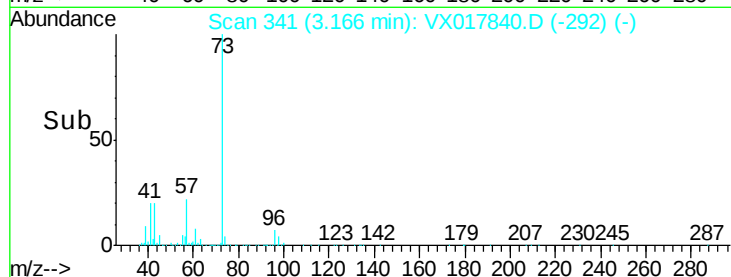
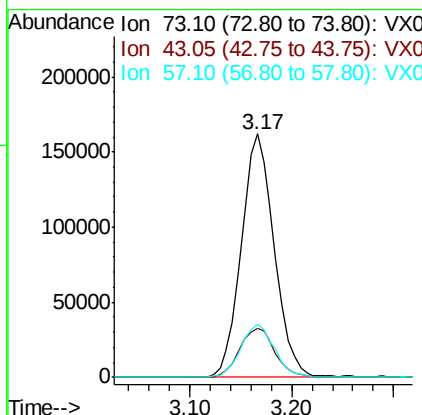
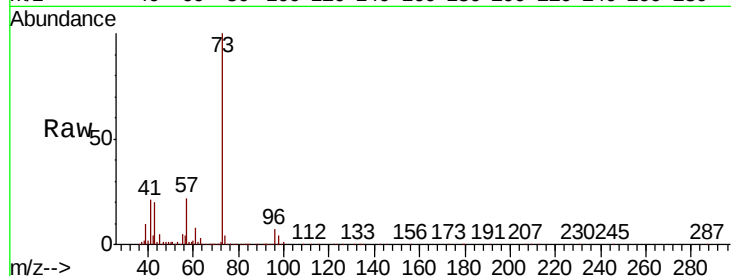




#17
Methvl tert-butvl Ether
Concen: 5.060 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

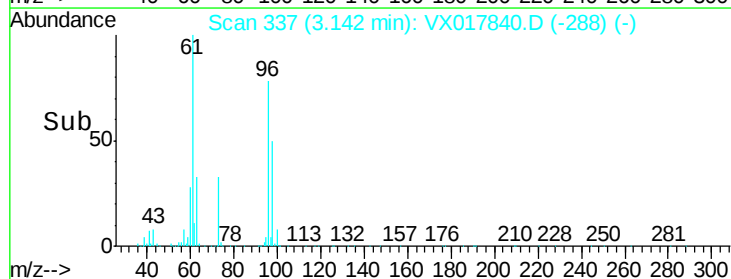
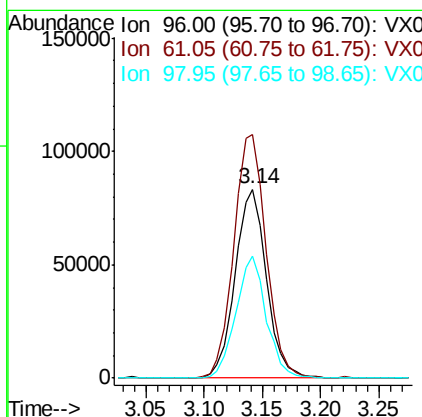
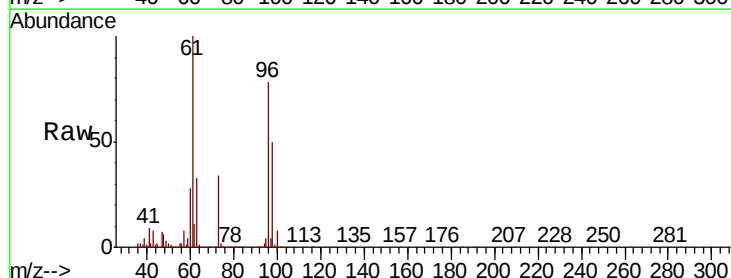
Instrument :
MSVOA_X
ClientSampleId :
VSTD00568

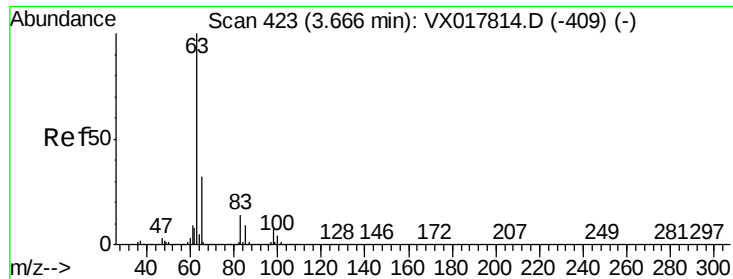
Tot Ion:	73	Resp:	361437
Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.7	26.5
57	22.4	17.0	25.6



#18
trans-1,2-Dichloroethene
Concen: 5.149 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Tgt Ion:	96	Resp:	155857
Ion	Ratio	Lower	Upper
96	100		
61	128.9	98.4	182.8
98	64.9	44.9	83.5

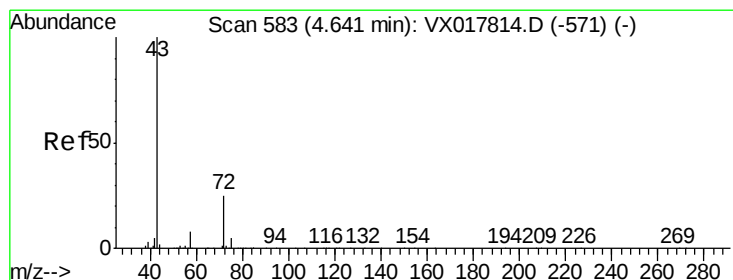
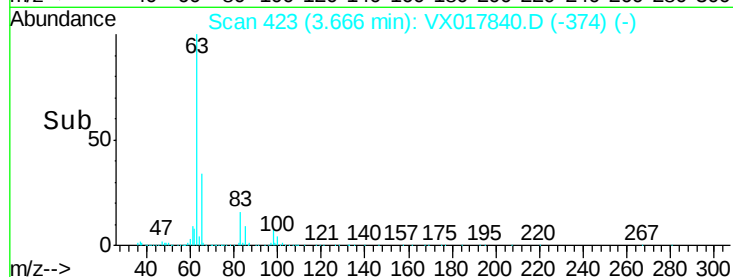
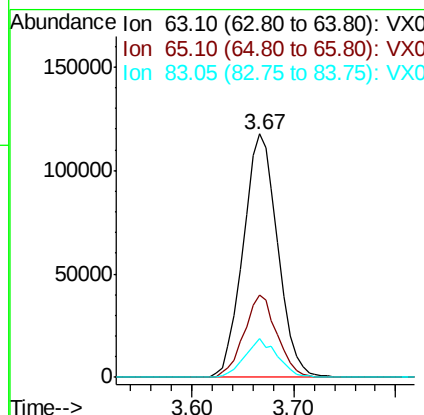
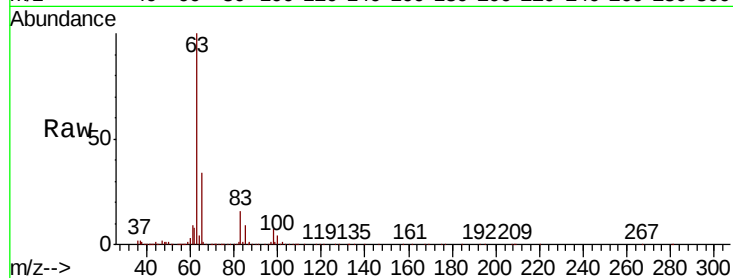




#19
 1,1-Dichloroethane
 Concen: 5.111 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

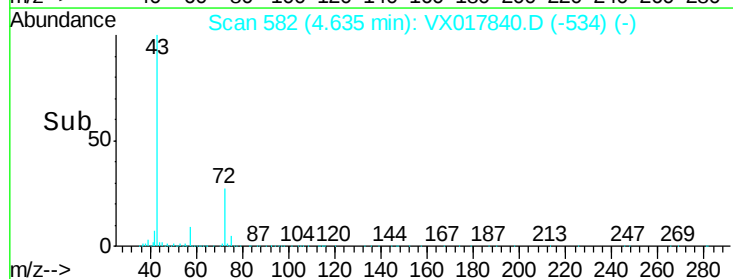
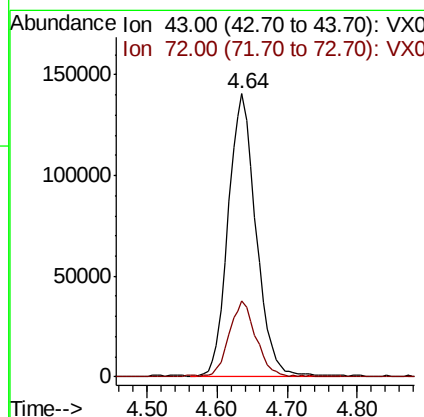
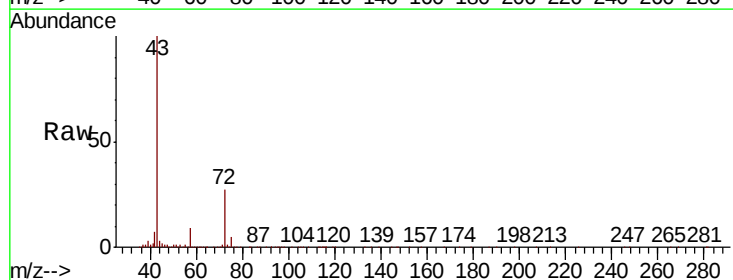
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00568

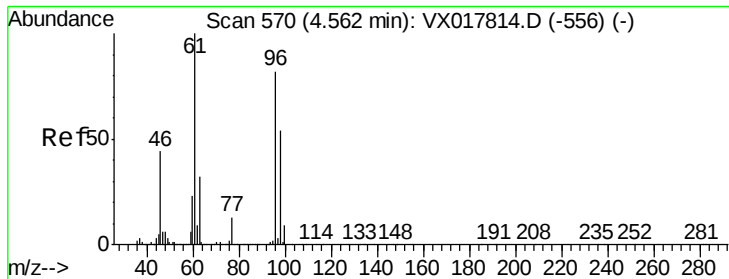
Tot Ion: 63 Resp: 275937
 Ion Ratio Lower Upper
 63 100
 65 33.8 22.6 42.0
 83 15.7 9.5 17.7



#21
 2-Butanone
 Concen: 47.789 ug/L
 RT: 4.64 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Tgt Ion: 43 Resp: 385130
 Ion Ratio Lower Upper
 43 100
 72 25.3 13.2 39.6



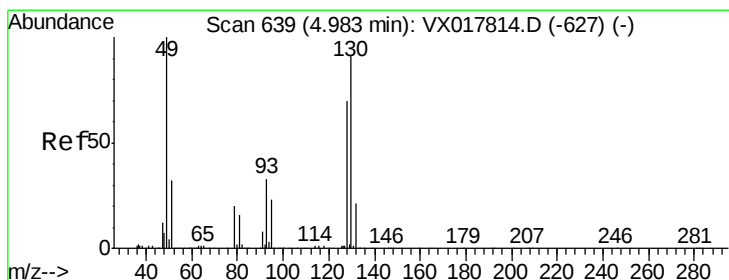
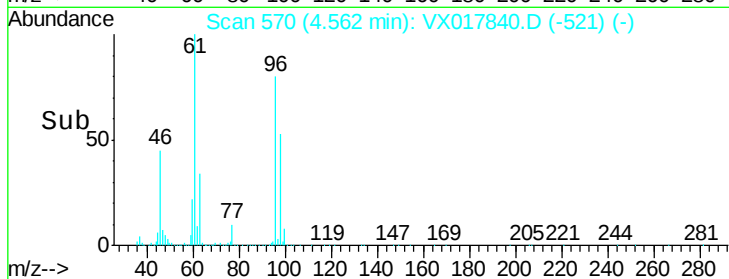
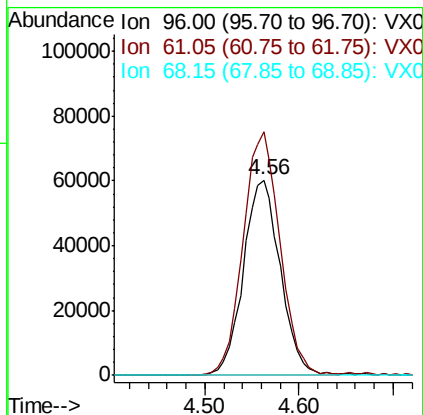
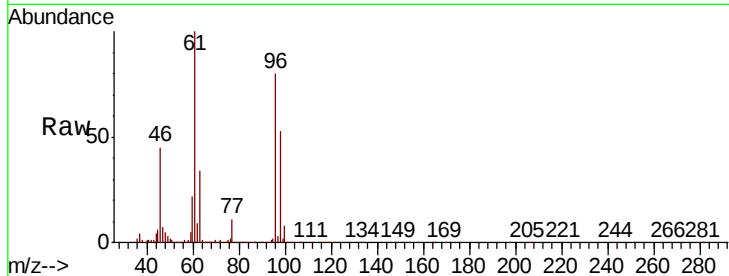


#22

cis-1,2-Dichloroethene
Concen: 5.198 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD00568

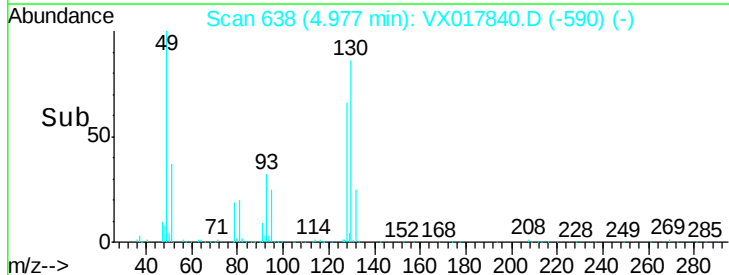
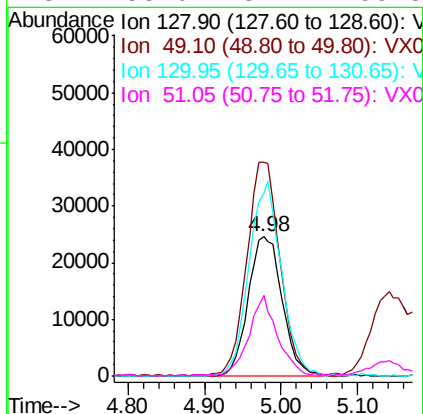
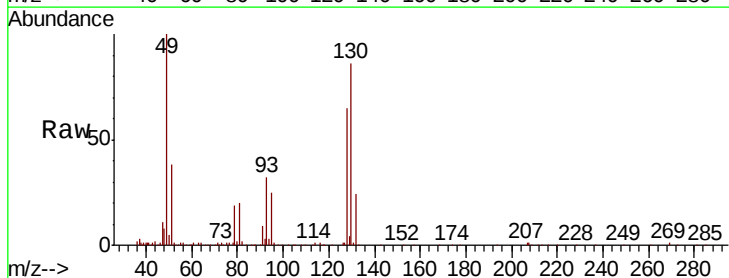
Tot Ion: 96 Resp: 165088
Ion Ratio Lower Upper
96 100
61 124.5 88.8 165.0
68 0.4 0.2 0.4#

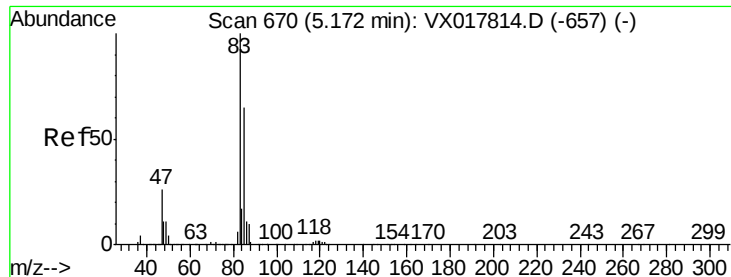


#23

Bromochloromethane
Concen: 5.128 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Tgt Ion: 128 Resp: 76221
Ion Ratio Lower Upper
128 100
49 153.4 100.2 186.0
130 131.4 89.1 165.5
51 58.0 37.2 55.8#





#25

Chloroform

Concen: 5.250 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

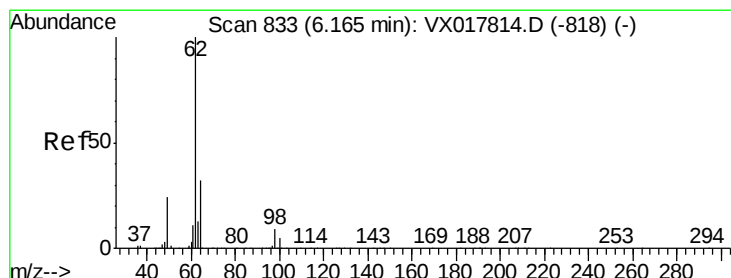
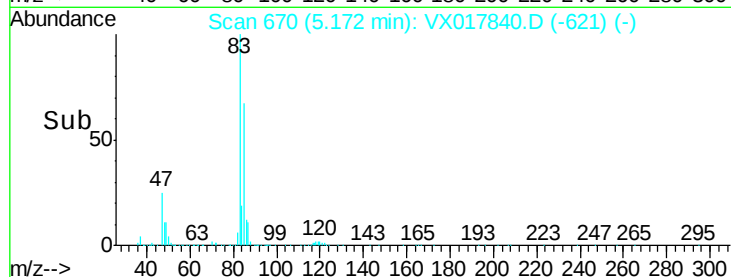
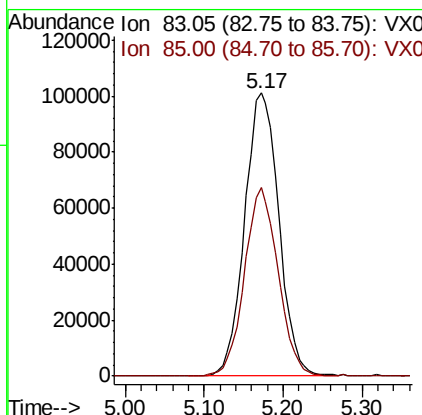
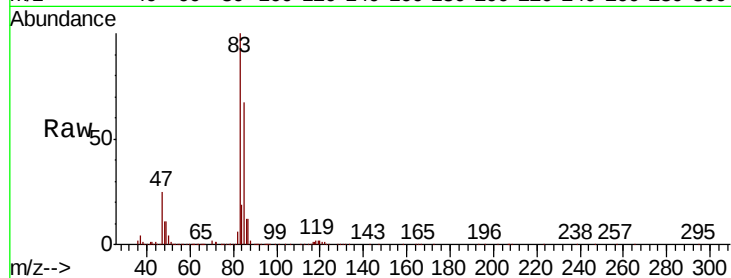
VSTD00568

Tot Ion: 83 Resp: 305272

Ion Ratio Lower Upper

83 100

85 66.7 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.062 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017840.D

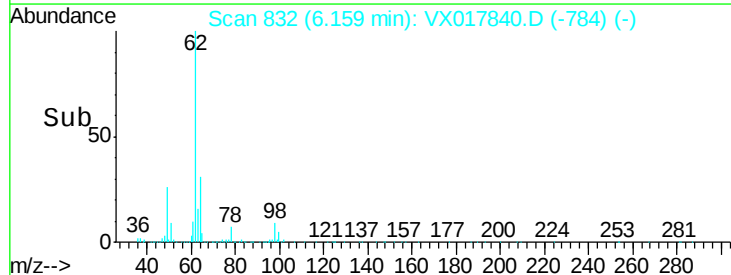
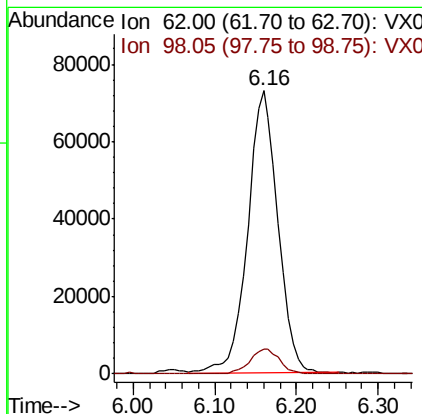
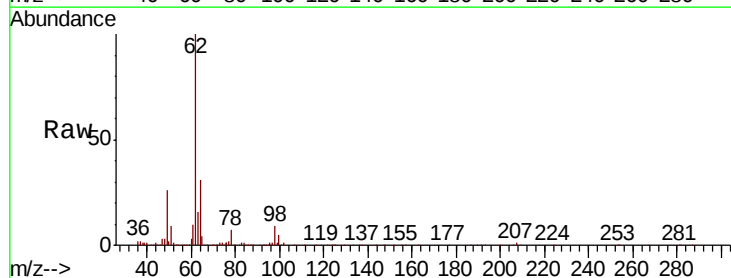
Acq: 10 Aug 2020 10:40

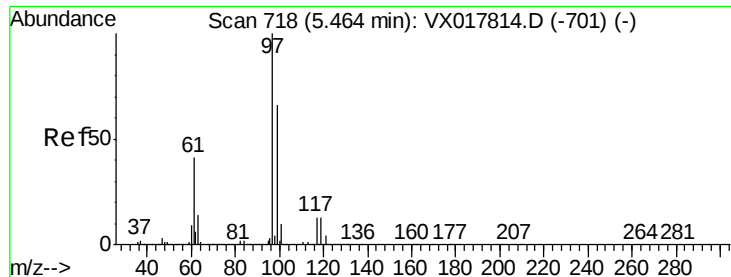
Tgt Ion: 62 Resp: 188826

Ion Ratio Lower Upper

62 100

98 8.8 6.7 10.1

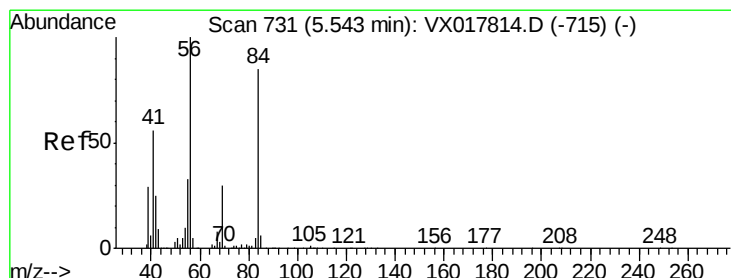
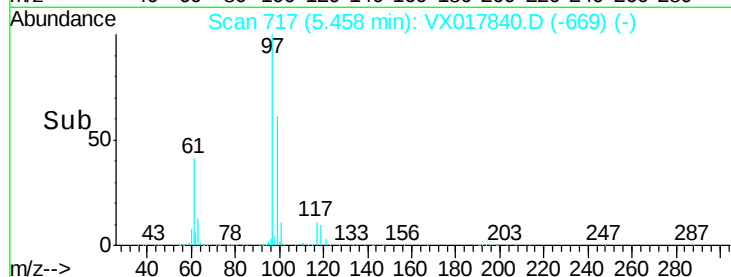
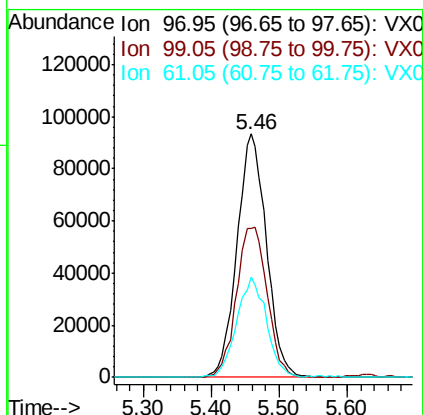
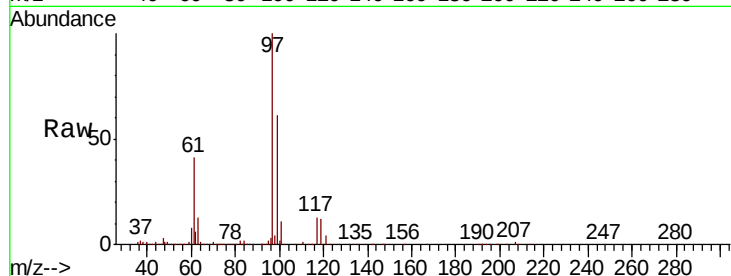




#29
 1,1,1-Trichloroethane
 Concen: 5.147 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

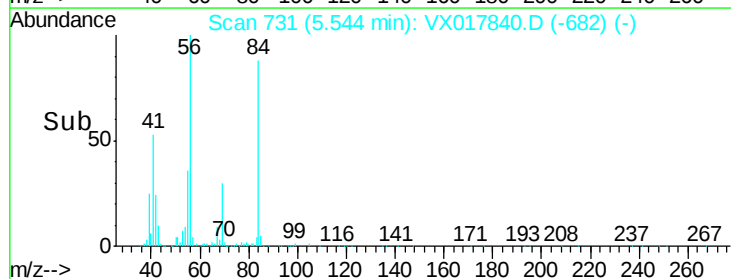
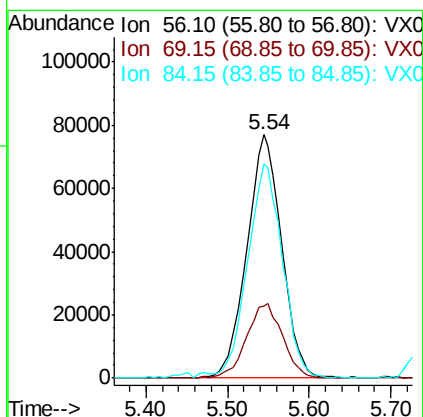
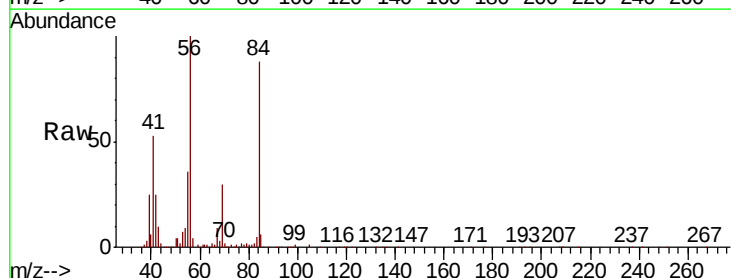
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00568

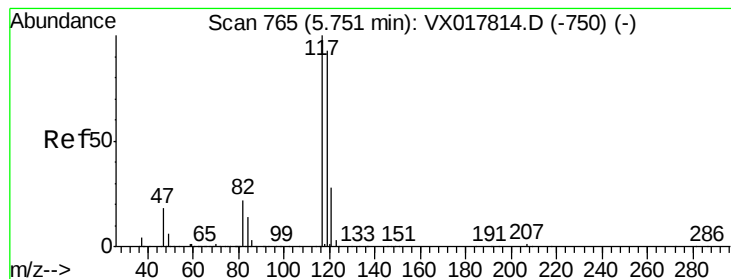
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	41.6	33.8	50.6



#30
 Cyclohexane
 Concen: 4.831 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.1	37.7
84	88.3	70.7	106.1





#31

Carbon tetrachloride

Concen: 5.052 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

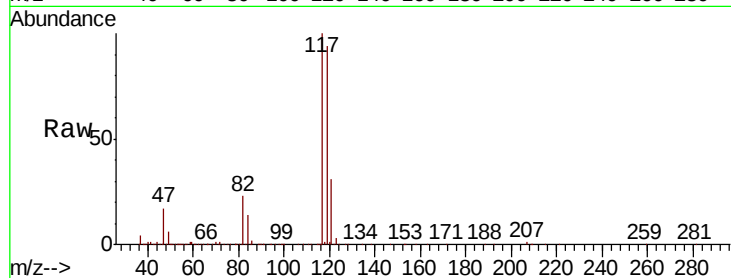
VSTD00568

Tot Ion:117 Resp: 253018

Ion Ratio Lower Upper

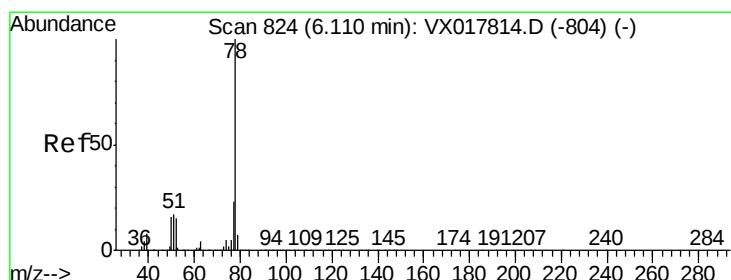
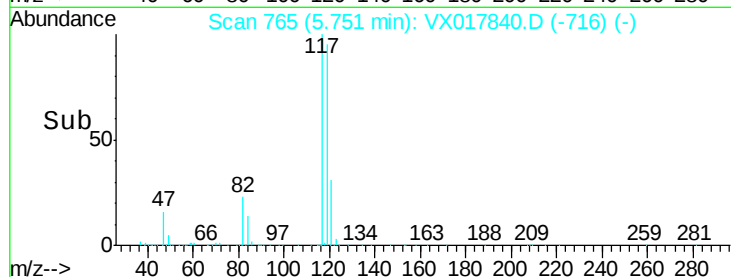
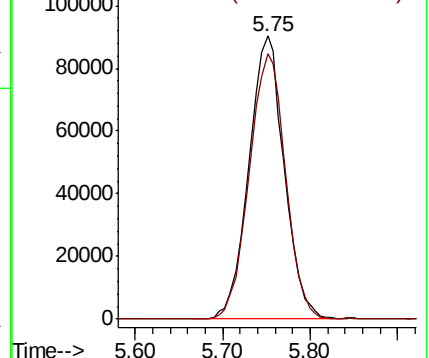
117 100

119 96.7 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: 5.183 ug/L

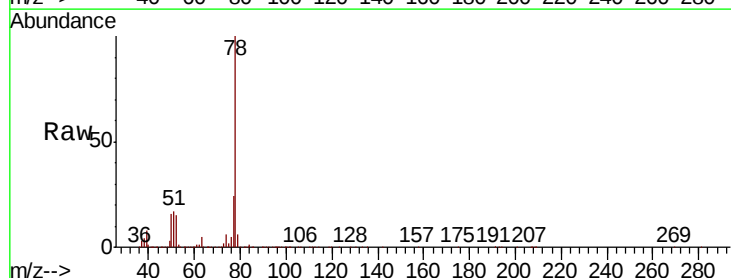
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

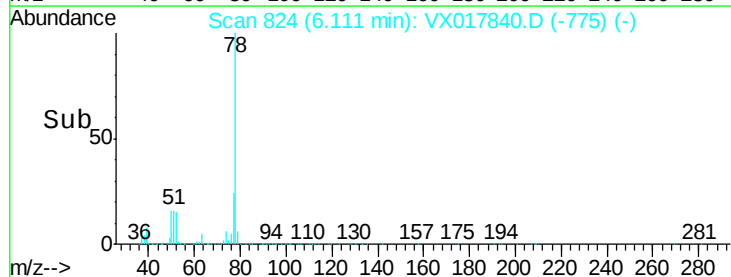
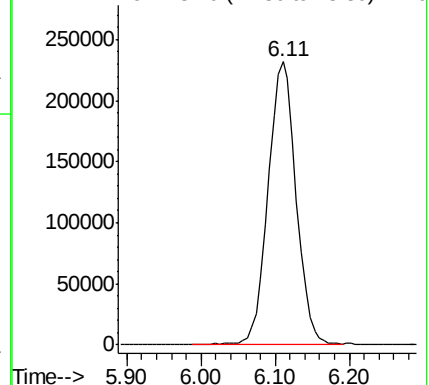
Lab File: VX017840.D

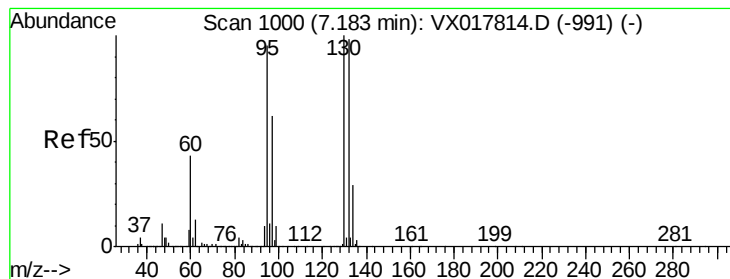
Acq: 10 Aug 2020 10:40

Tgt Ion: 78 Resp: 607795



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 5.027 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00568

Tot Ion: 95 Resp: 172081

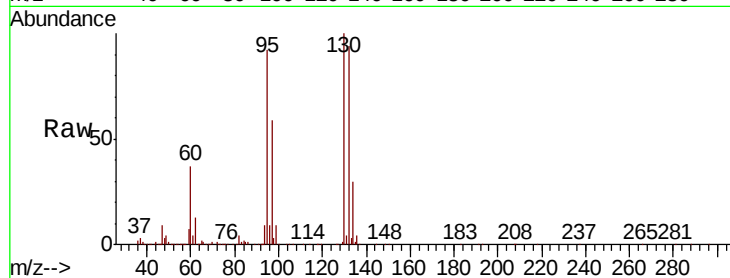
Ion Ratio Lower Upper

95 100

97 63.9 46.1 85.5

132 102.6 66.0 122.6

130 109.2 71.7 133.1

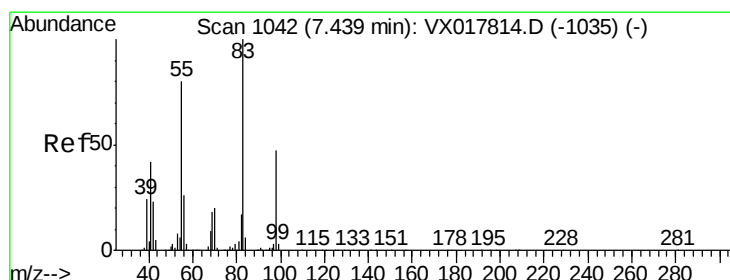
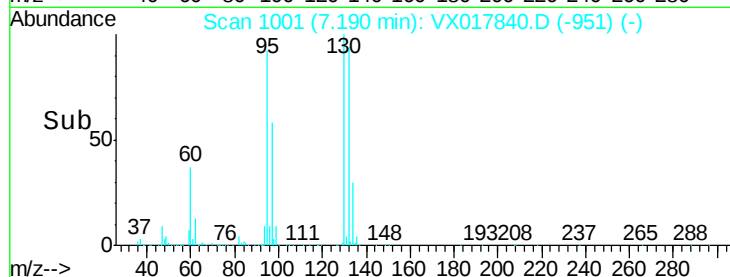
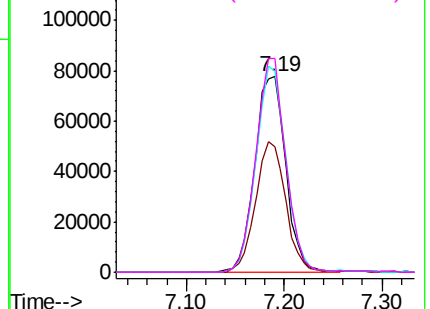


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 5.047 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

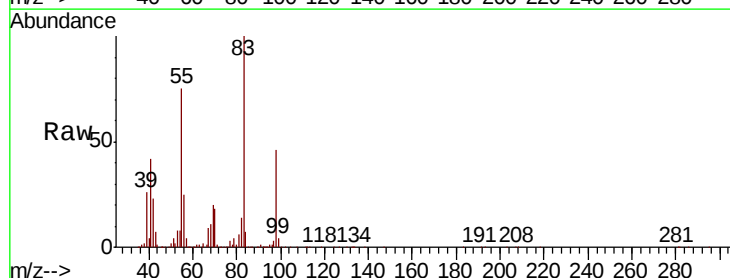
Tgt Ion: 83 Resp: 242867

Ion Ratio Lower Upper

83 100

55 77.1 62.4 93.6

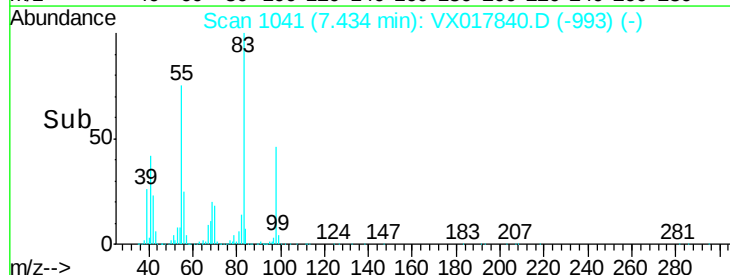
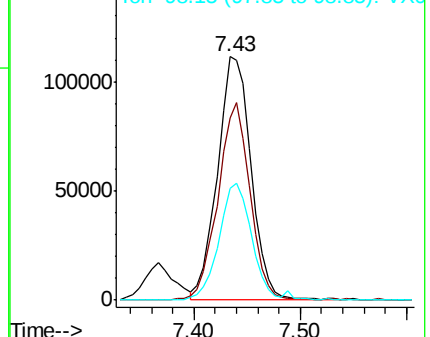
98 46.7 38.0 57.0

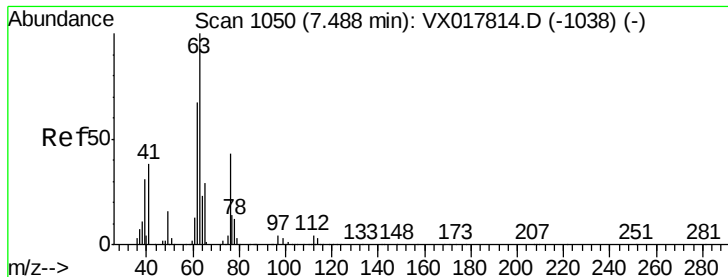


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

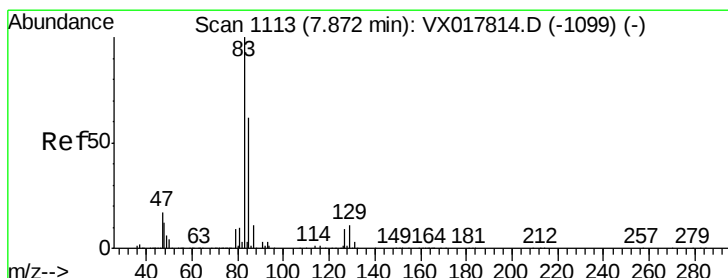
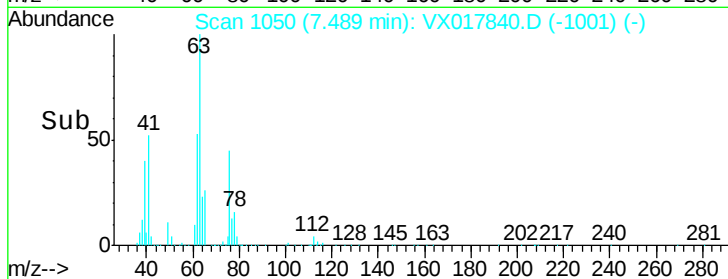
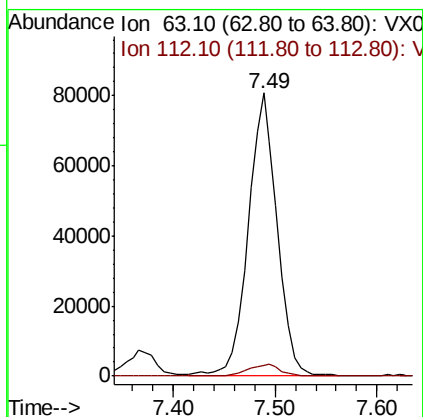
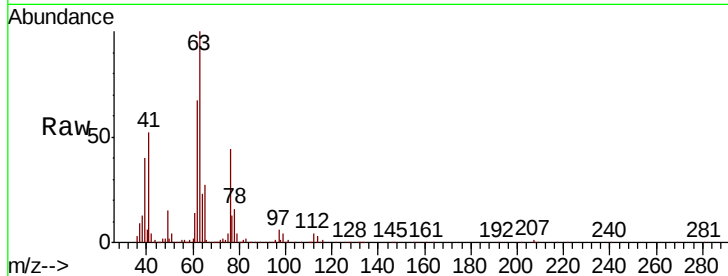




#37
 1,2-Dichloropropane
 Concen: 5.357 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

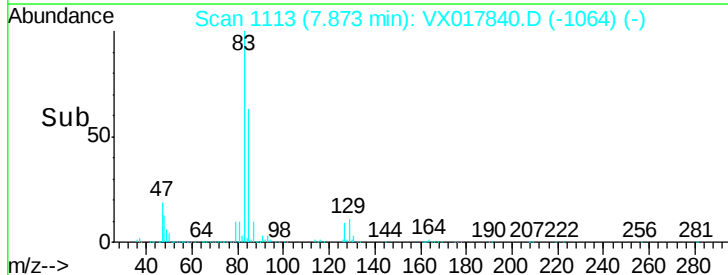
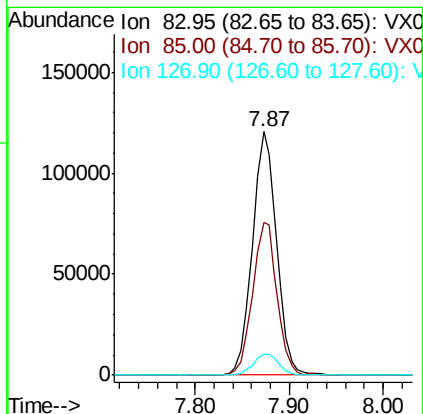
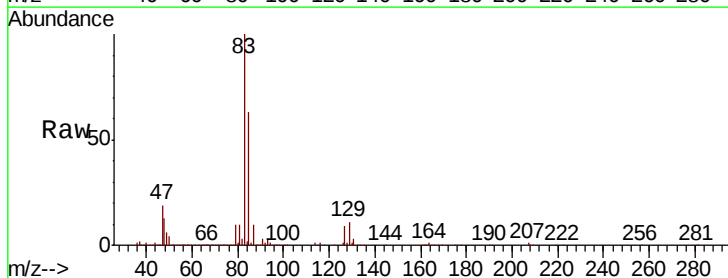
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00568

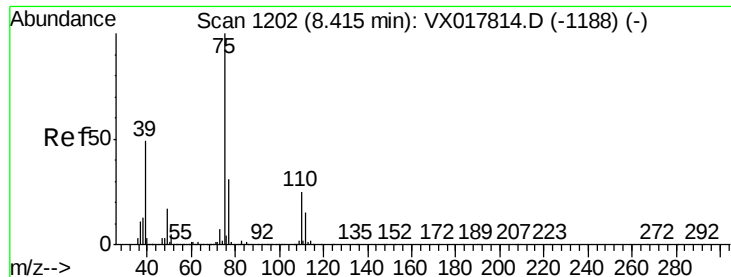
Tot Ion: 63 Resp: 157976
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.302 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Tgt Ion: 83 Resp: 217826
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.9 85.3
 127 8.7 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 5.139 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

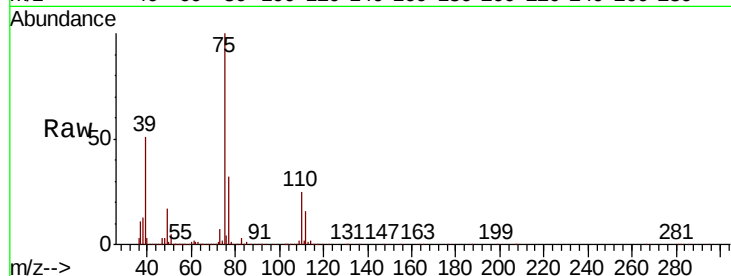
VSTD00568

Tot Ion: 75 Resp: 233329

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.42

150000

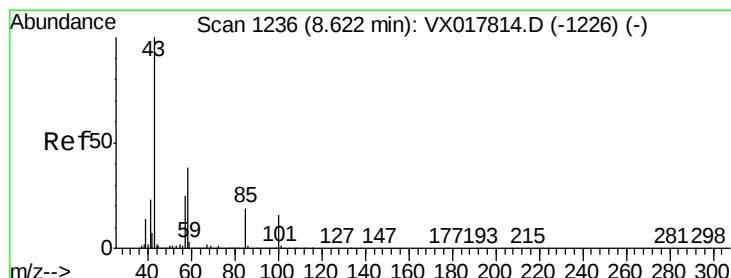
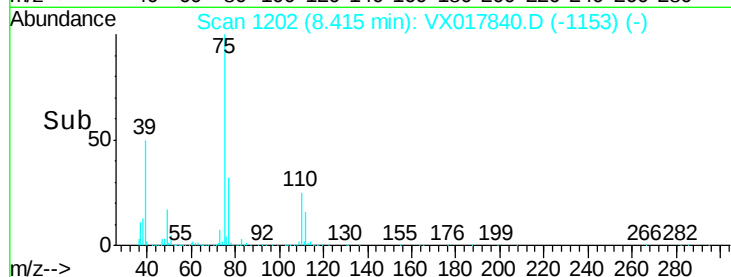
100000

50000

0

Time-->

8.30 8.40 8.50



#40

4-Methyl-2-pentanone

Concen: 49.624 ug/L

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

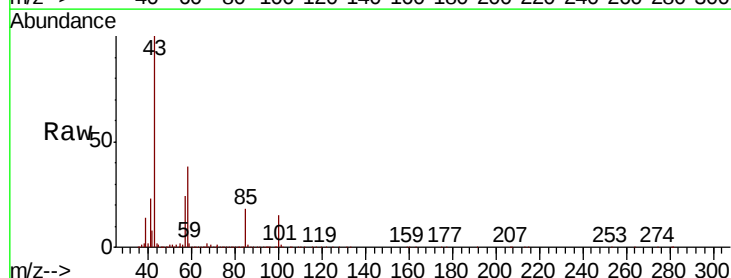
Tgt Ion: 43 Resp: 952825

Ion Ratio Lower Upper

43 100

58 38.6 31.1 46.7

100 15.5 12.2 18.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): V

800000

600000

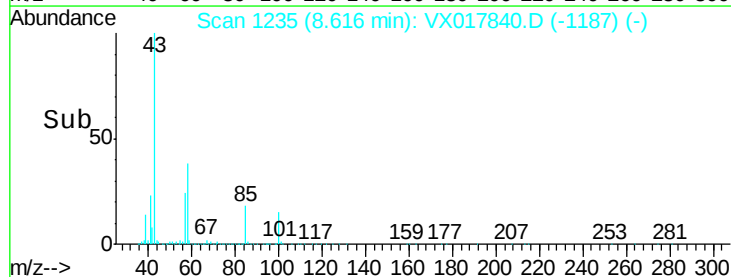
400000

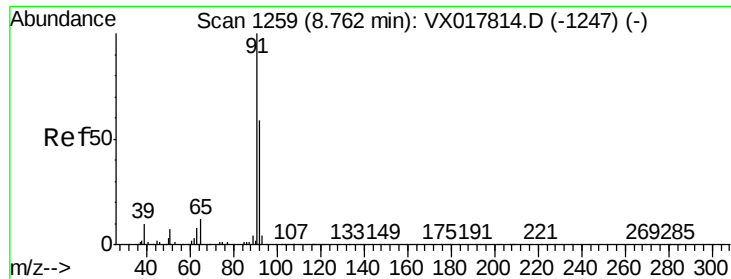
200000

0

Time-->

8.50 8.60 8.70





#42

Toluene

Concen: 5.285 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

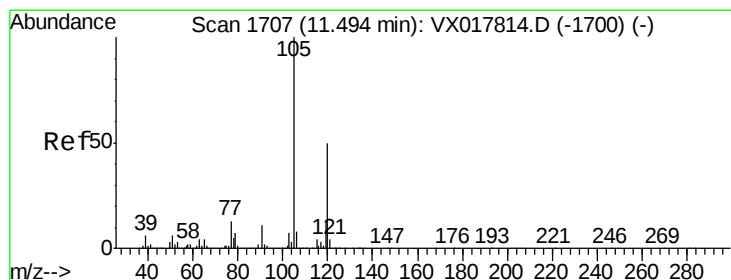
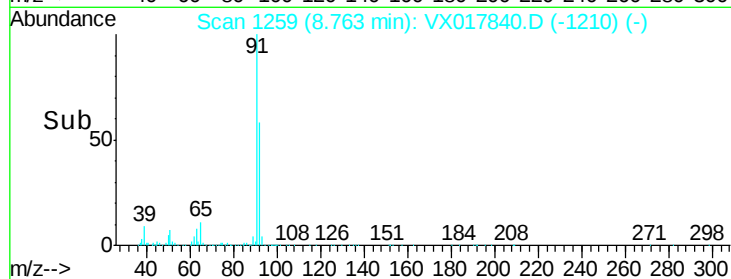
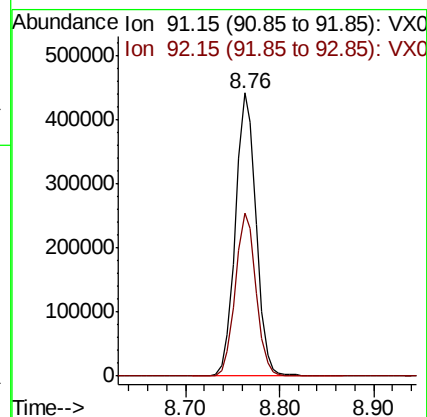
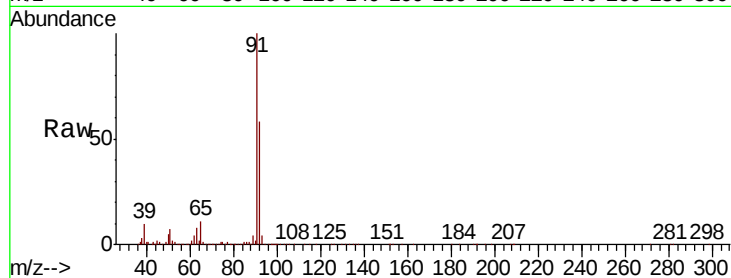
VSTD00568

Tot Ion: 91 Resp: 672864

Ion Ratio Lower Upper

91 100

92 57.6 38.8 72.0



#43

1,3,5-Trimethylbenzene

Concen: 5.422 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017840.D

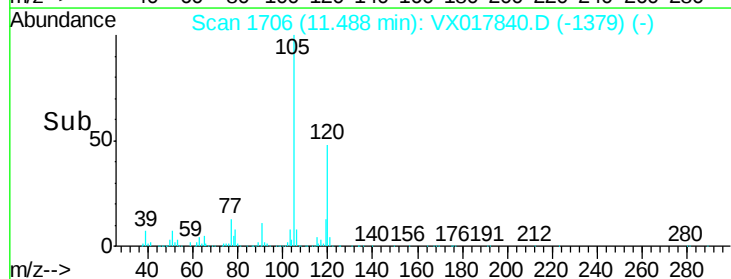
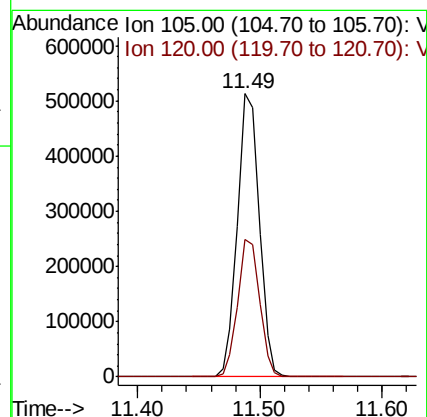
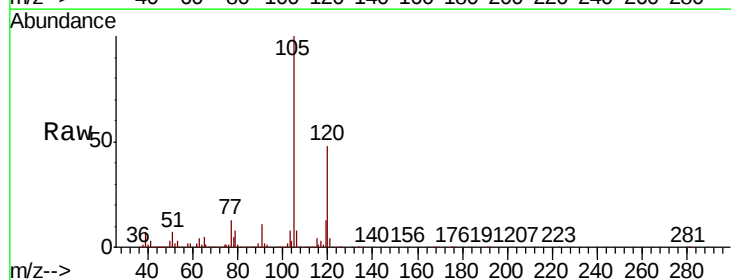
Acq: 10 Aug 2020 10:40

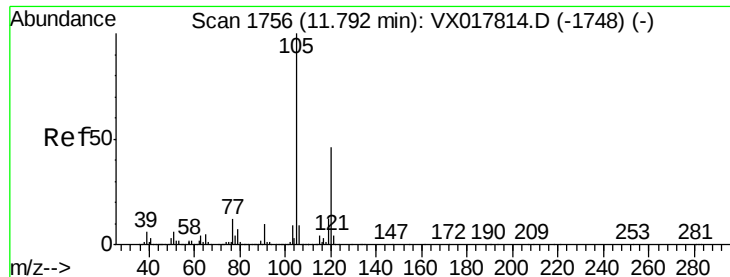
Tgt Ion: 105 Resp: 630062

Ion Ratio Lower Upper

105 100

120 48.6 38.1 57.1





#44

1,2,4-Trimethylbenzene

Concen: 5.546 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

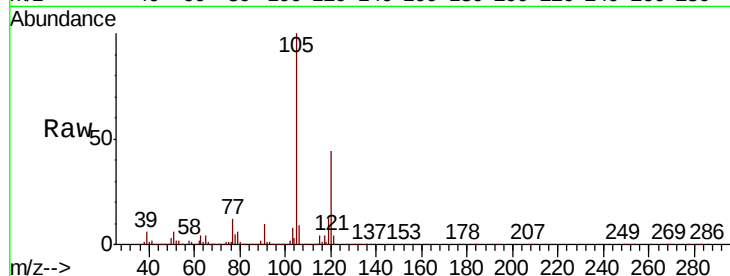
VSTD00568

Tot Ion:105 Resp: 656262

Ion Ratio Lower Upper

105 100

120 45.1 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

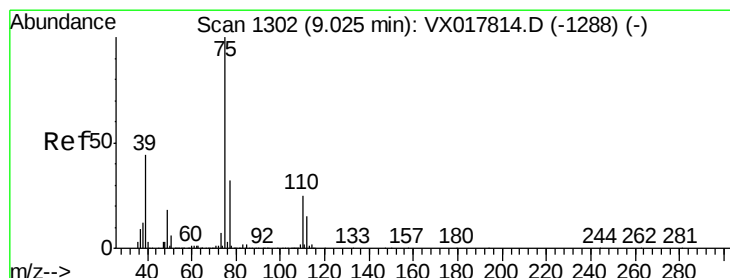
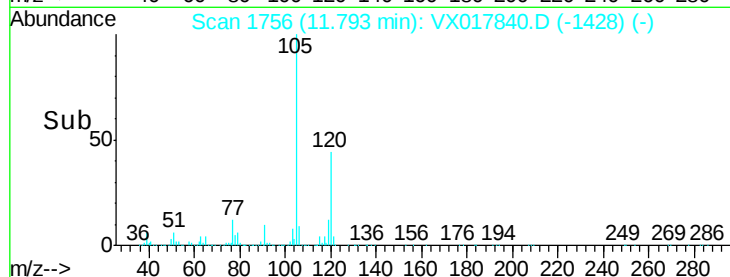
600000

400000

200000

0

Time--> 11.70 11.80 11.90



#46

trans-1,3-Dichloropropene

Concen: 5.215 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017840.D

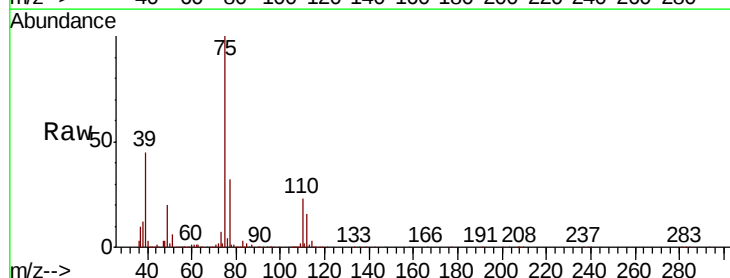
Acq: 10 Aug 2020 10:40

Tgt Ion: 75 Resp: 211204

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

9.02

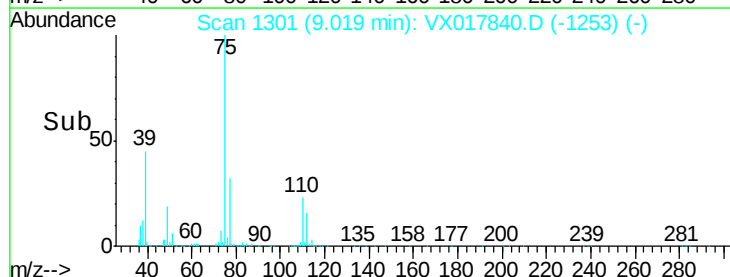
150000

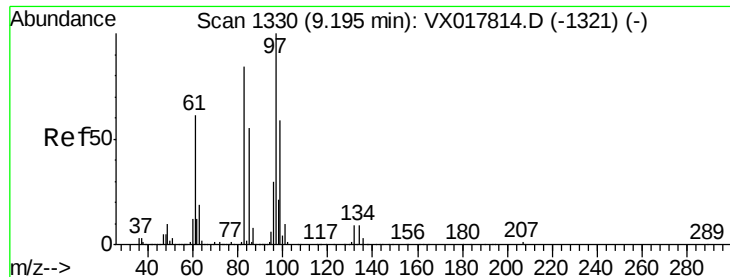
100000

50000

0

Time--> 8.90 8.95 9.00 9.05 9.10

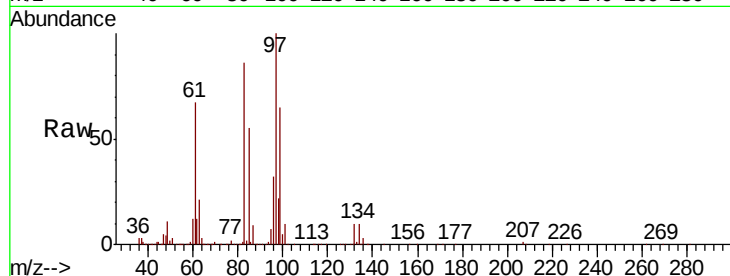




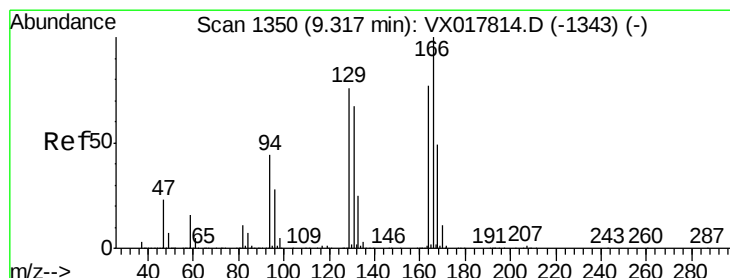
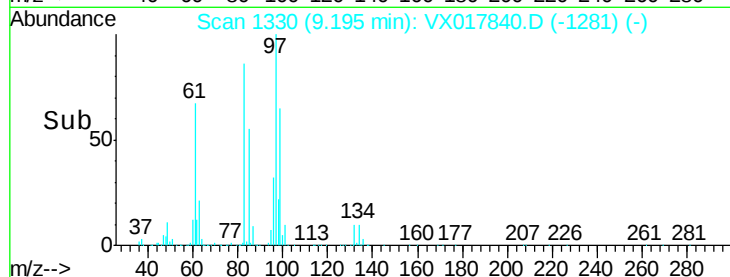
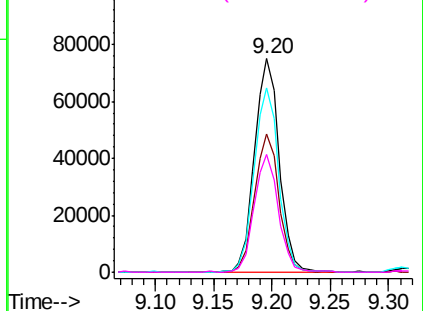
#47
 1,1,2-Trichloroethane
 Concen: 5.043 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00568

Tot Ion:	97	Resp:	111597
Ion	Ratio	Lower	Upper
97	100		
99	64.9	43.9	81.5
83	86.3	58.4	108.6
85	55.4	37.5	69.6

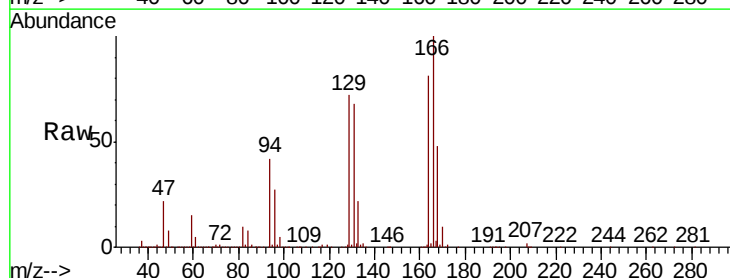


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

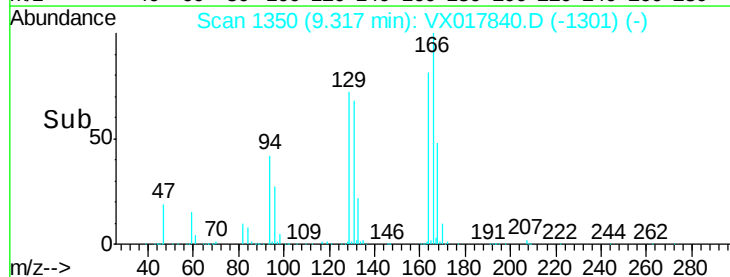
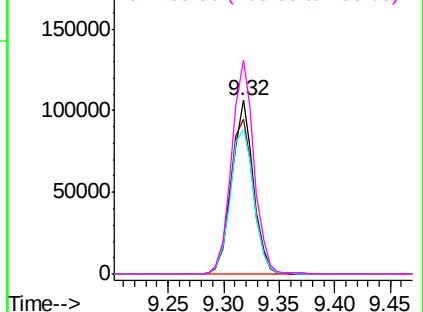


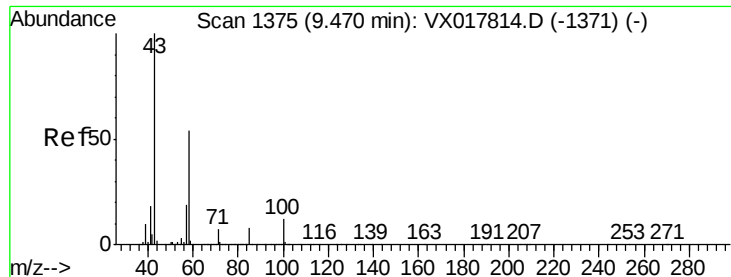
#49
 Tetrachloroethene
 Concen: 5.190 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Tgt Ion:	164	Resp:	142125
Ion	Ratio	Lower	Upper
164	100		
129	88.9	67.4	125.2
131	83.3	65.3	121.3
166	122.9	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

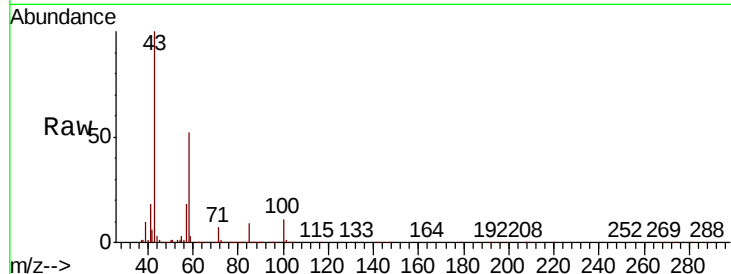




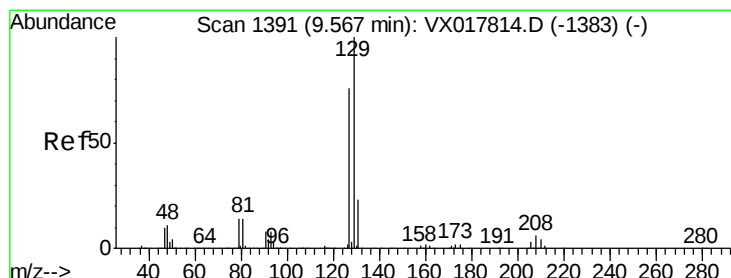
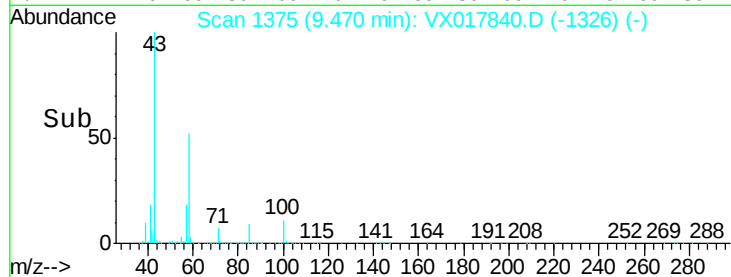
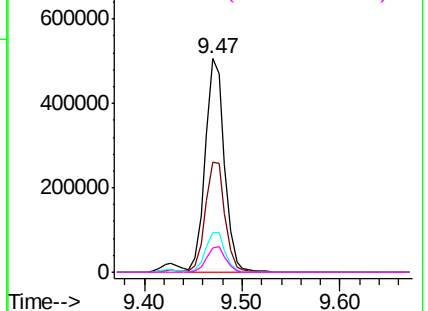
#50
2-Hexanone
Concen: 49.786 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTD00568

Tot Ion:	43	Resp:	685197
Ion	Ratio	Lower	Upper
43	100		
58	52.5	43.0	64.6
57	18.9	15.0	22.4
100	12.0	9.2	13.8

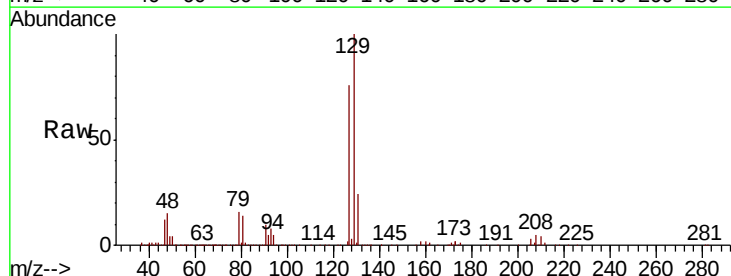


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): VX0

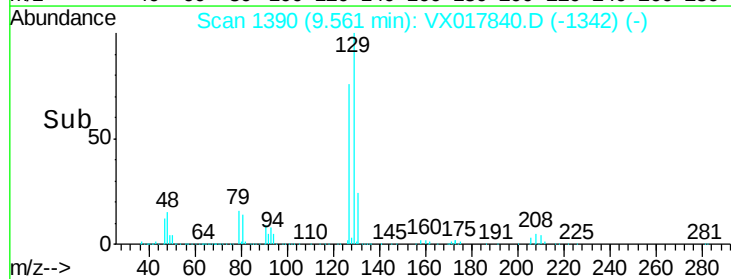
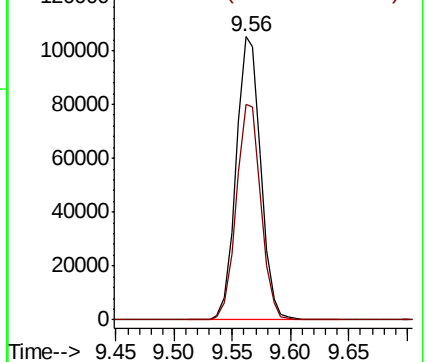


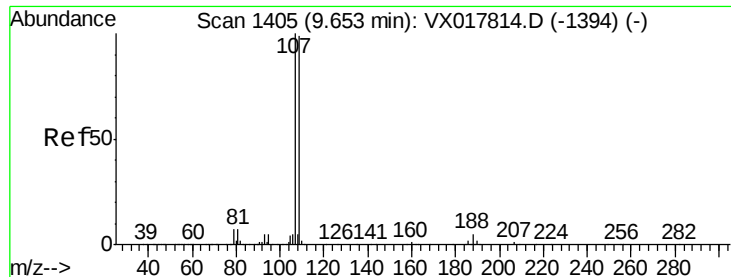
#51
Dibromochloromethane
Concen: 5.080 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Tgt Ion:	129	Resp:	154831
Ion	Ratio	Lower	Upper
129	100		
127	76.1	52.5	97.5



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





#52

1,2-Dibromoethane

Concen: 5.065 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00568

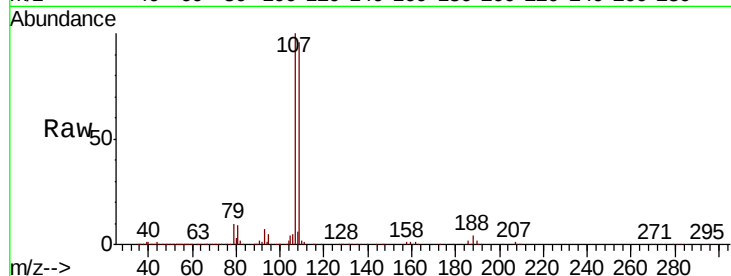
Tot Ion:107 Resp: 109719

Ion Ratio Lower Upper

107 100

109 95.7 64.6 120.0

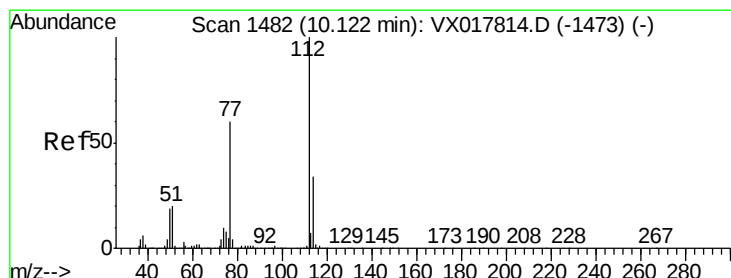
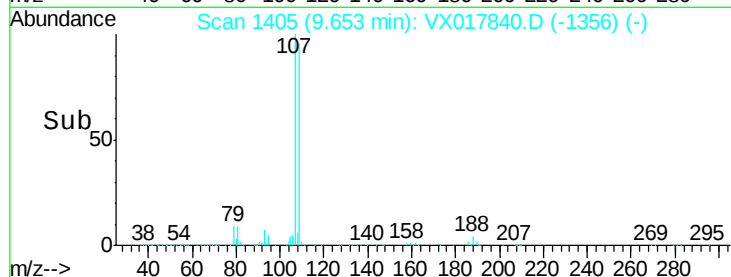
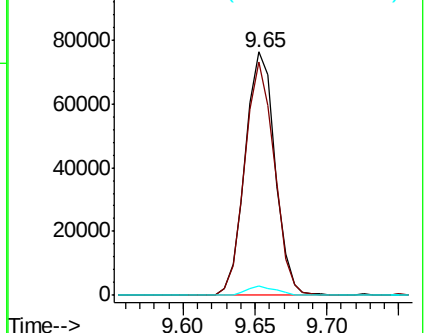
188 4.0 2.5 3.7#



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: 5.332 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

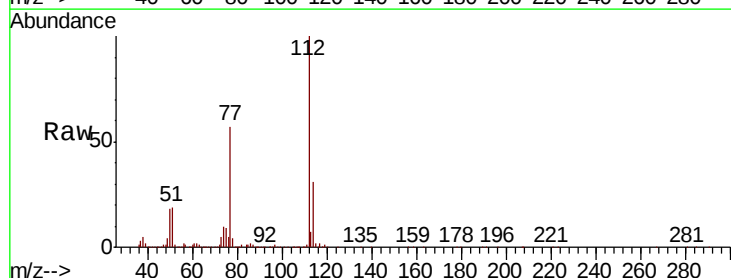
Tgt Ion:112 Resp: 441865

Ion Ratio Lower Upper

112 100

114 31.0 23.5 43.7

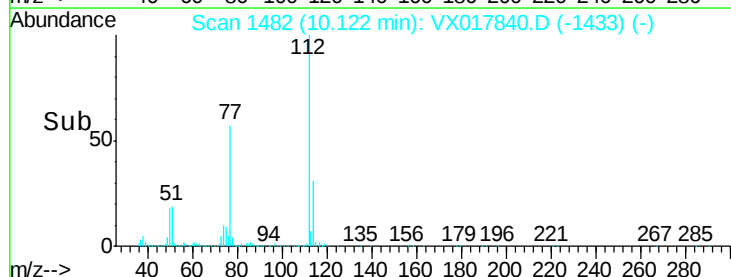
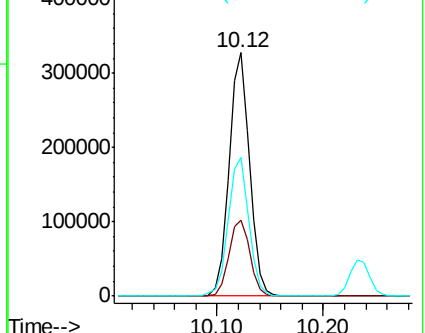
77 56.9 46.7 70.1

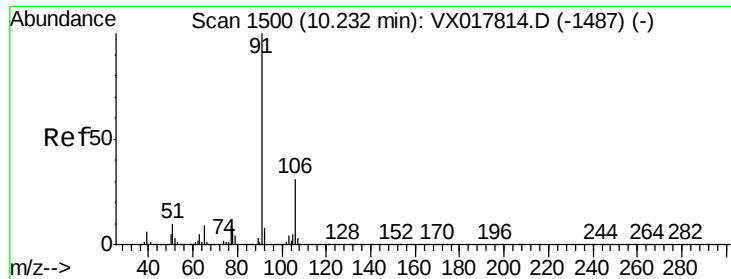


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.234 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

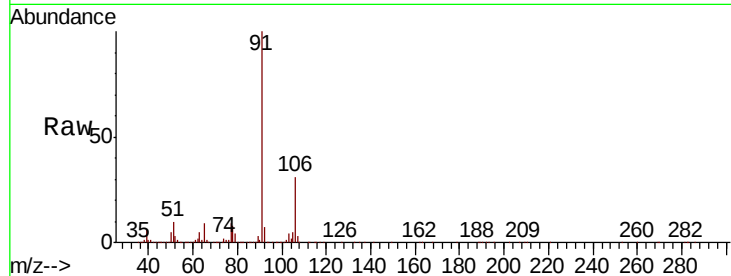
VSTD00568

Tot Ion: 91 Resp: 727221

Ion Ratio Lower Upper

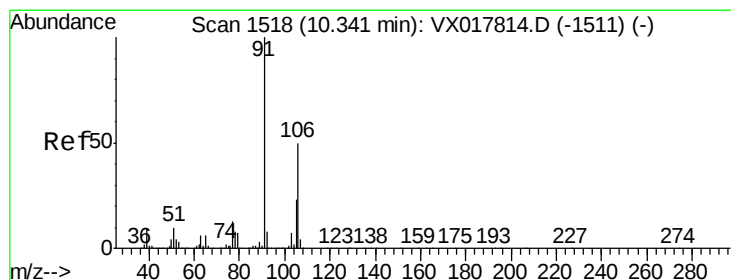
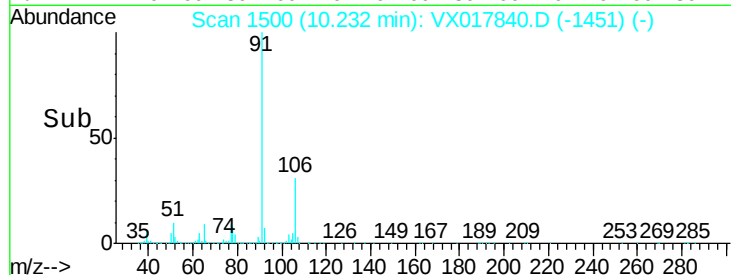
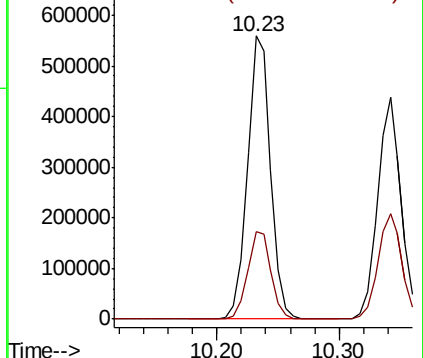
91 100

106 30.7 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 5.328 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017840.D

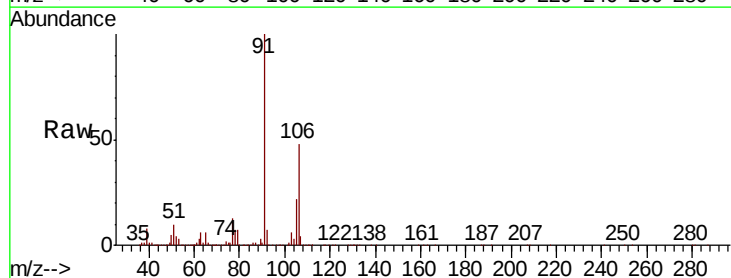
Acq: 10 Aug 2020 10:40

Tgt Ion: 106 Resp: 282649

Ion Ratio Lower Upper

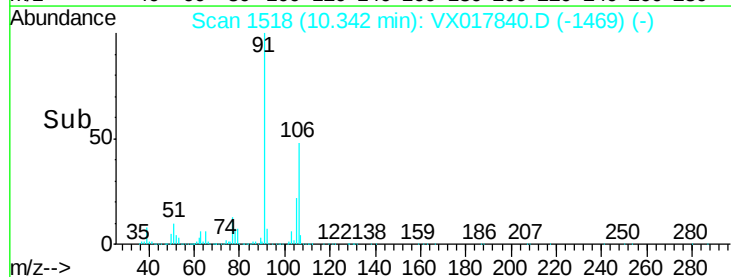
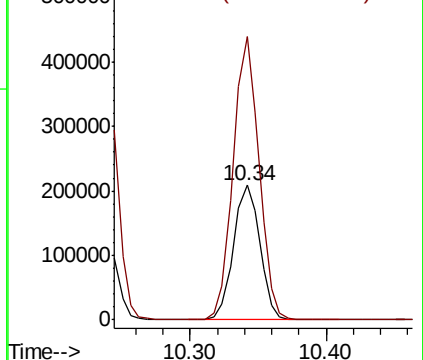
106 100

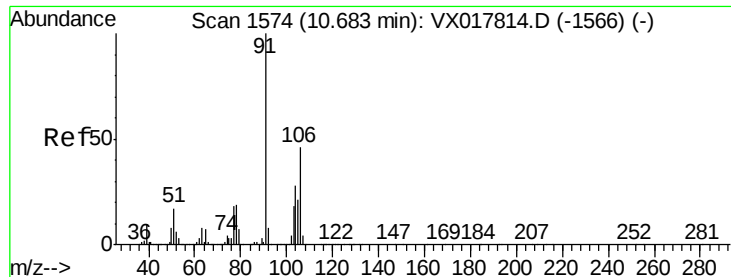
91 210.2 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

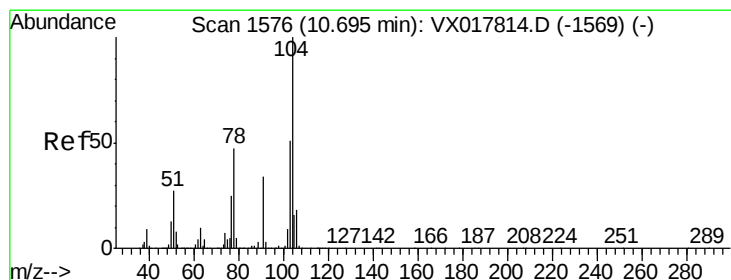
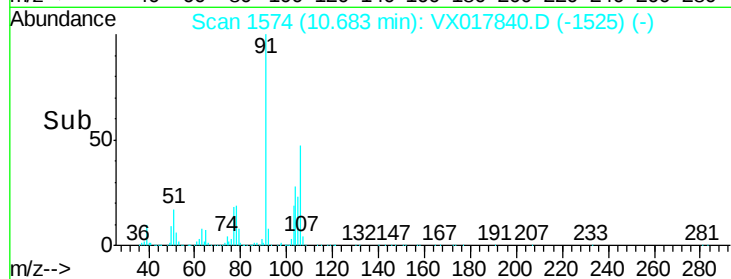
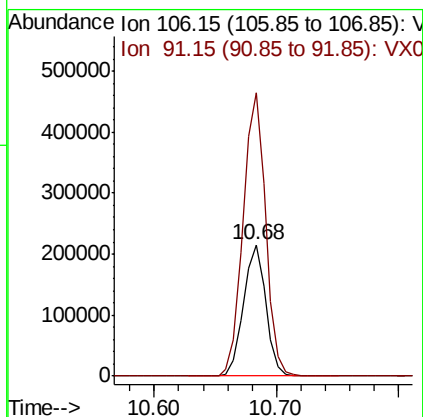
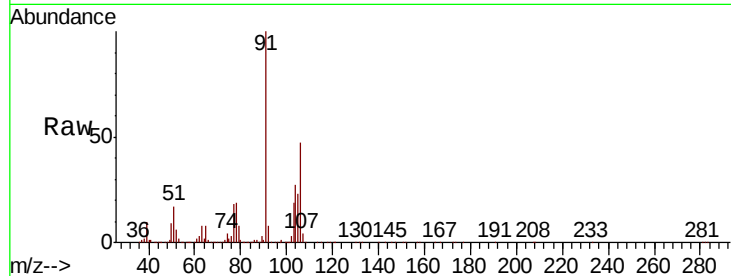




#56
o-xylene
Concen: 5.304 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

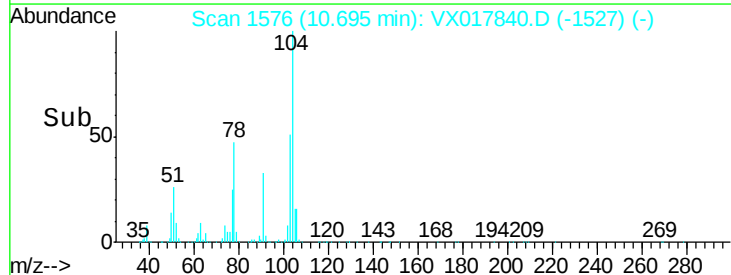
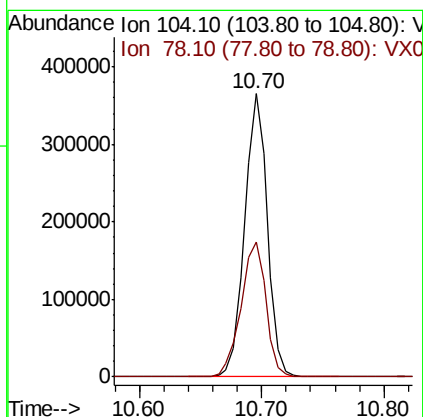
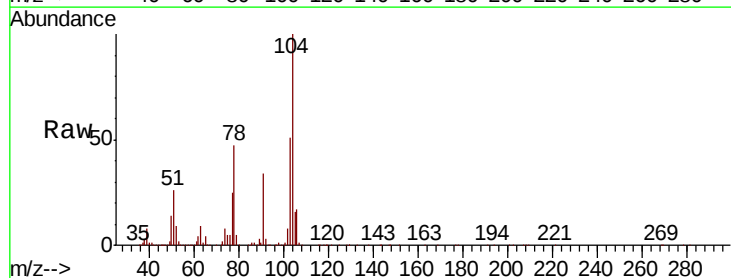
Instrument :
MSVOA_X
ClientSampled :
VSTD00568

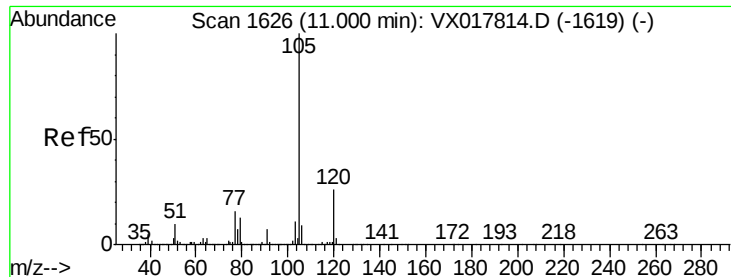
Tot Ion:106 Resp: 272783
Ion Ratio Lower Upper
106 100
91 215.0 149.8 278.2



#57
Styrene
Concen: 5.405 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017840.D
Acq: 10 Aug 2020 10:40

Tgt Ion:104 Resp: 470105
Ion Ratio Lower Upper
104 100
78 47.5 33.7 62.5





#58

Isopropylbenzene

Concen: 5.301 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00568

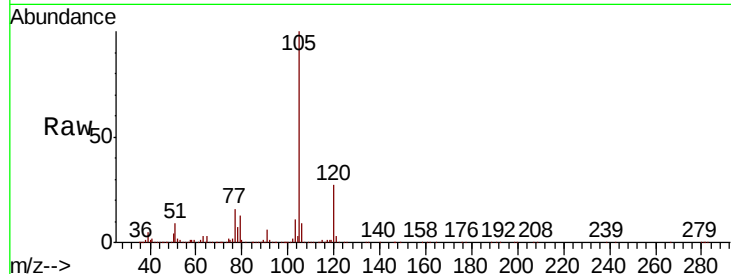
Tot Ion:105 Resp: 729795

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

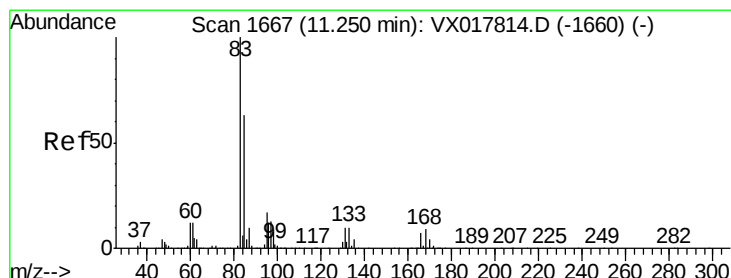
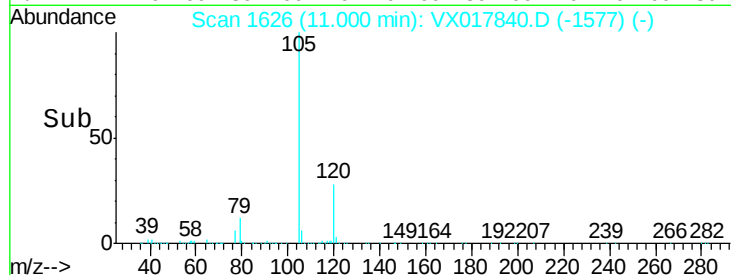
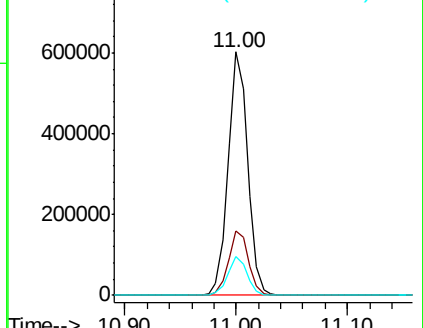
77 15.8 12.8 19.2



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: 4.984 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

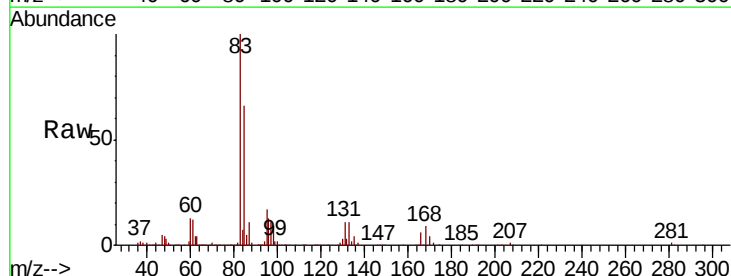
Tgt Ion: 83 Resp: 121119

Ion Ratio Lower Upper

83 100

85 66.0 44.6 82.8

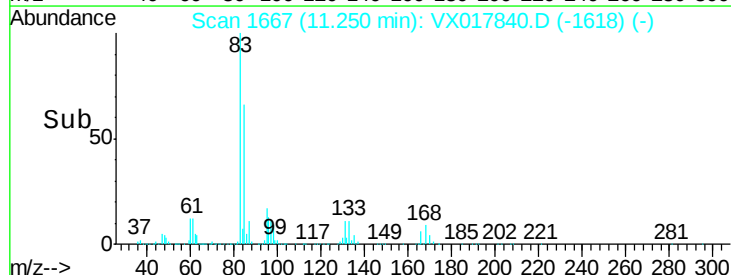
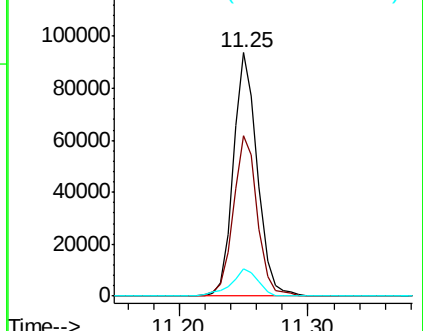
131 11.2 8.2 12.2

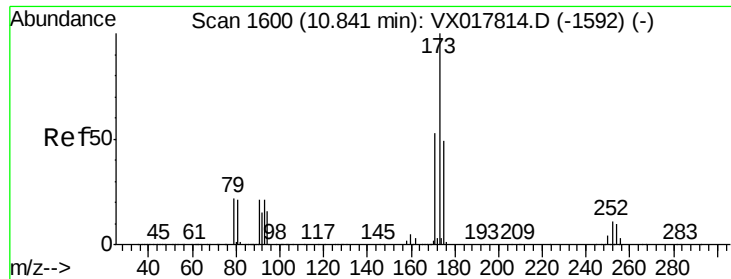


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.313 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00568

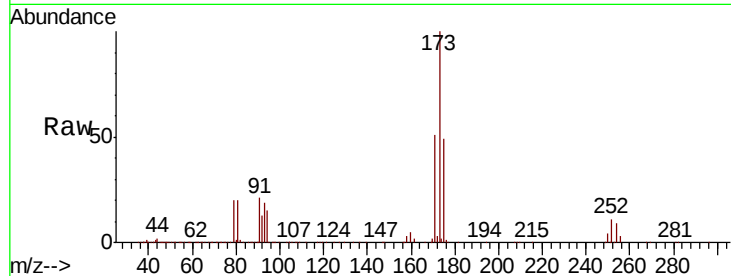
Tot Ion:173 Resp: 91957

Ion Ratio Lower Upper

173 100

175 48.7 40.0 60.0

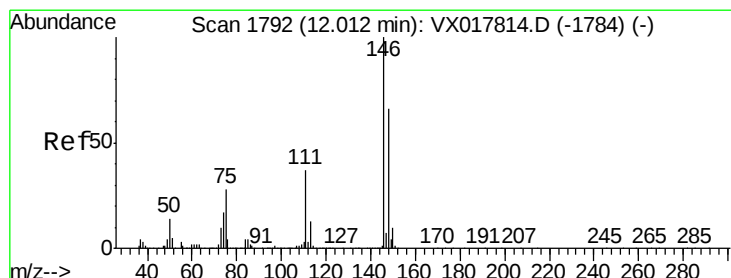
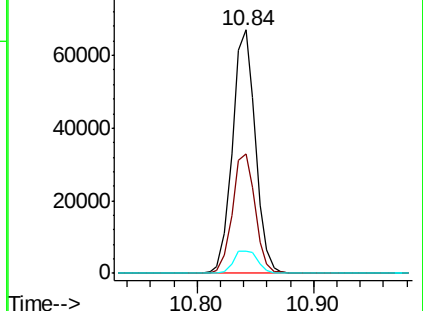
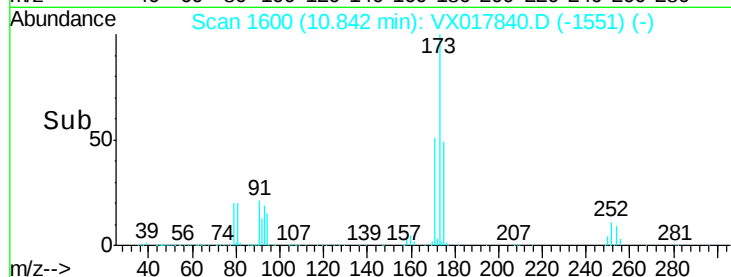
254 9.8 7.7 11.5



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: 5.497 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

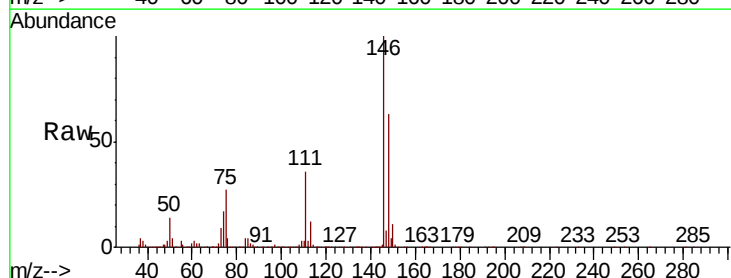
Tgt Ion:146 Resp: 370449

Ion Ratio Lower Upper

146 100

111 36.5 27.6 51.4

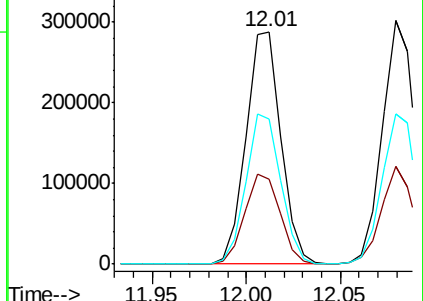
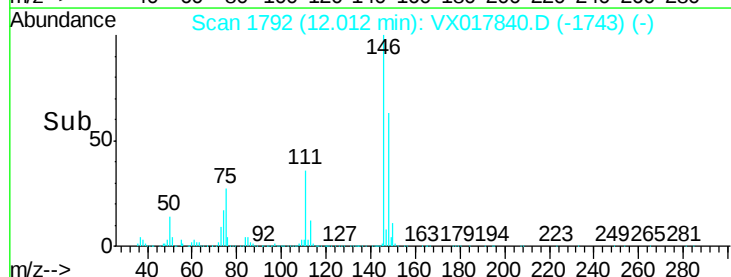
148 62.8 43.9 81.5

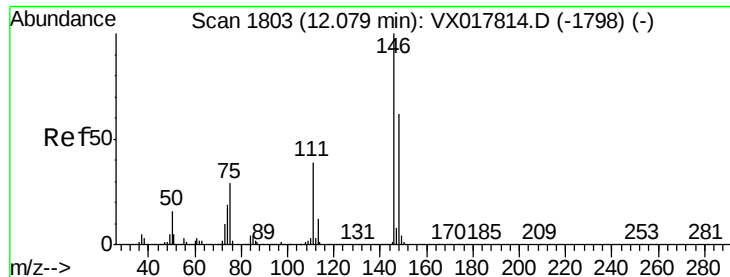


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.466 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTD00568

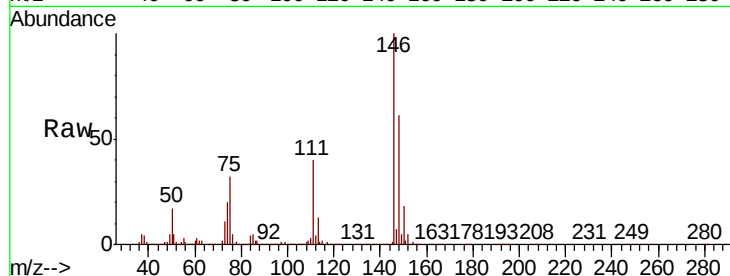
Tot Ion:146 Resp: 366459

Ion Ratio Lower Upper

146 100

111 40.1 26.0 48.2

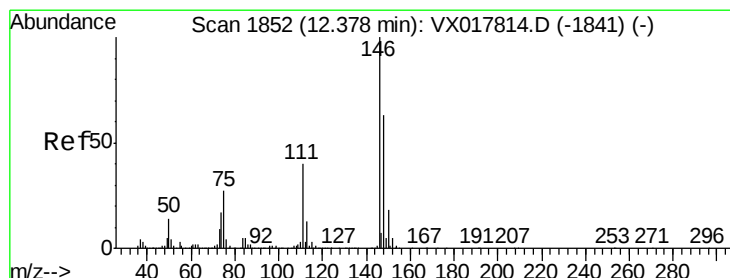
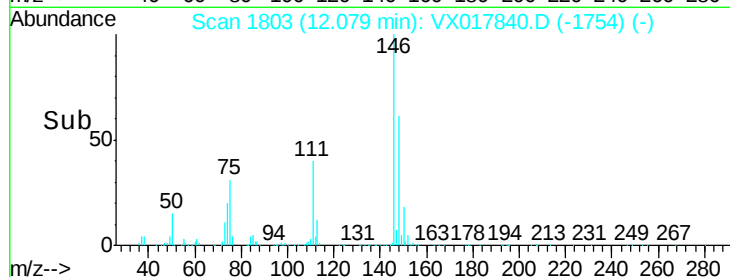
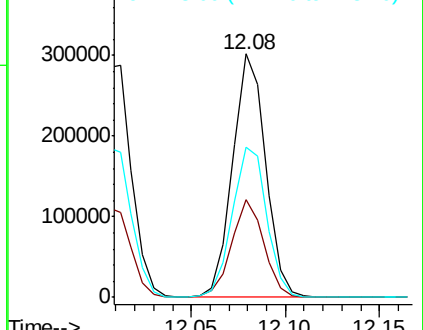
148 61.4 43.2 80.2



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: 5.388 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

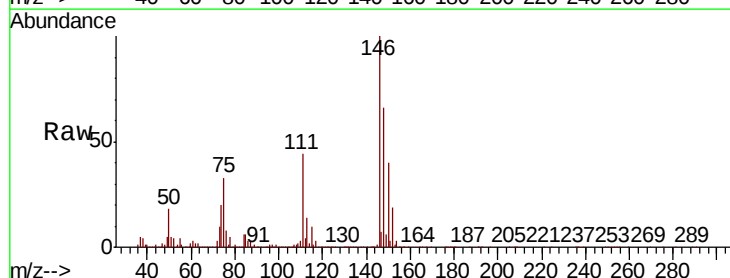
Tgt Ion:146 Resp: 337257

Ion Ratio Lower Upper

146 100

111 43.6 32.2 48.4

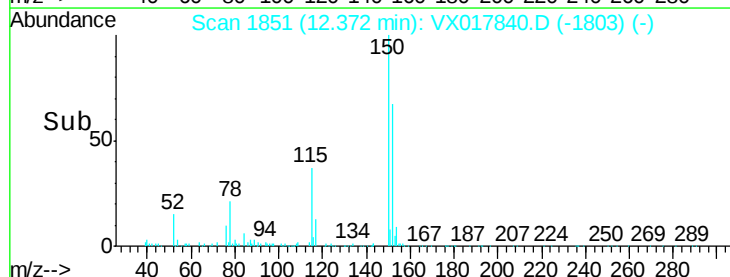
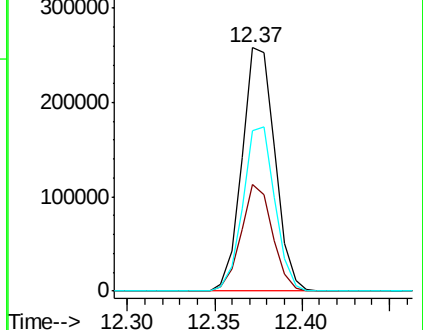
148 65.8 52.3 78.5

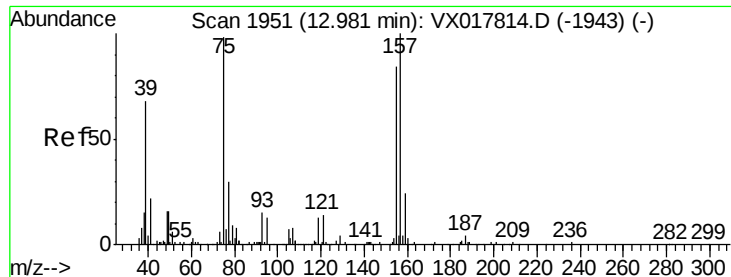


Abundance Ion 145.95 (145.65 to 146.65): V

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: 4.721 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

VSTD00568

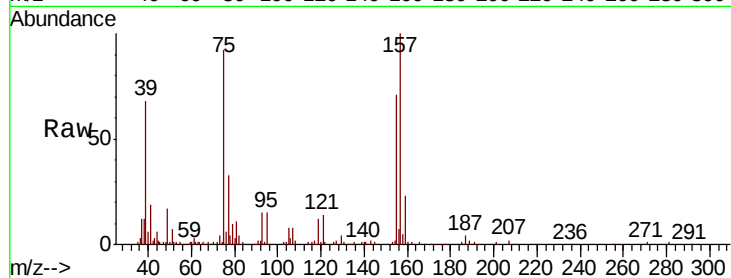
Tot Ion: 75 Resp: 25676

Ion Ratio Lower Upper

75 100

155 77.5 60.9 91.3

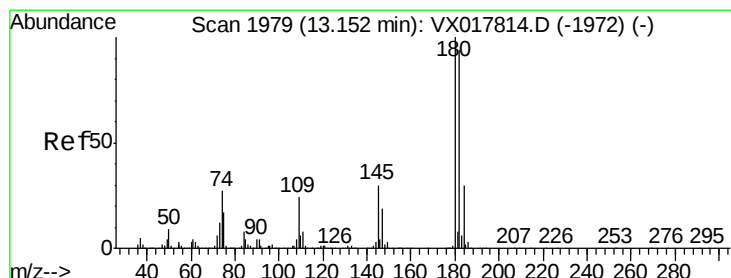
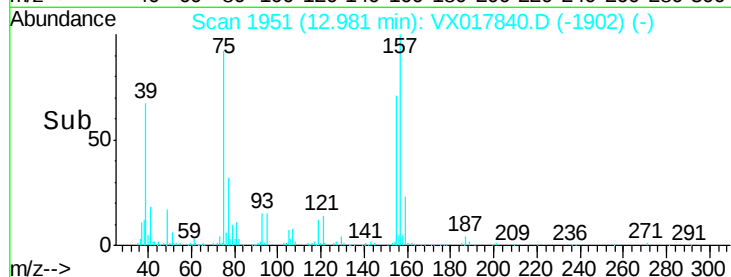
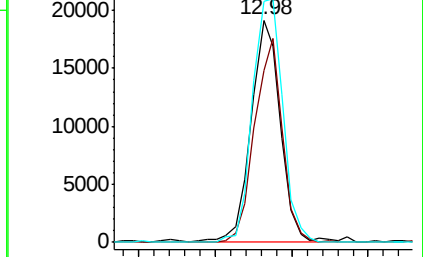
157 108.6 83.3 124.9



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V



#68

1,3,5-Trichlorobenzene

Concen: 5.689 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX017840.D

Acq: 10 Aug 2020 10:40

Tgt Ion: 180 Resp: 283161

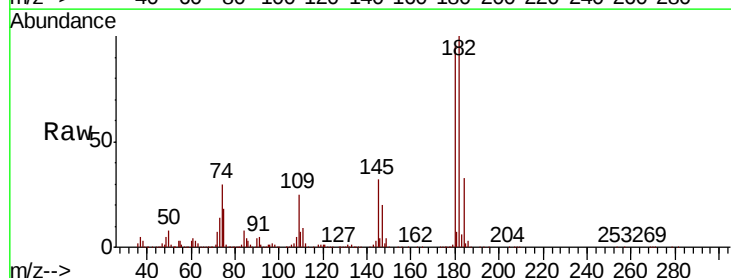
Ion Ratio Lower Upper

180 100

182 96.9 80.2 120.4

184 31.7 24.9 37.3

145 30.8 25.1 37.7

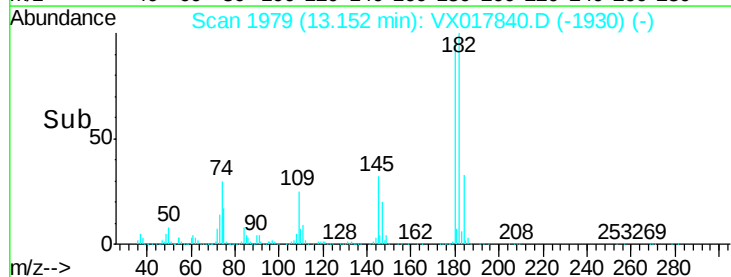
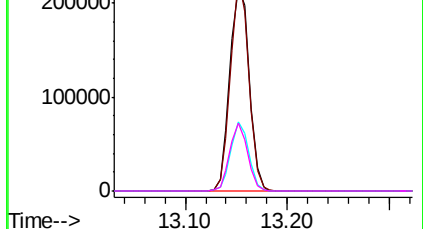


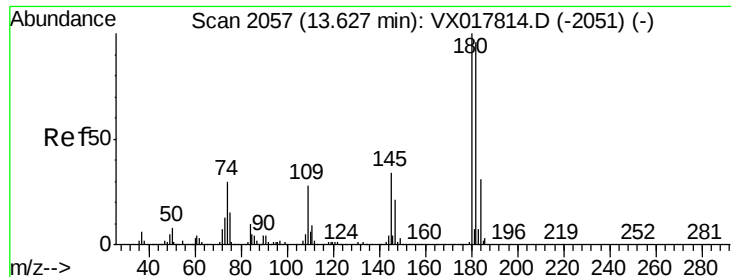
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

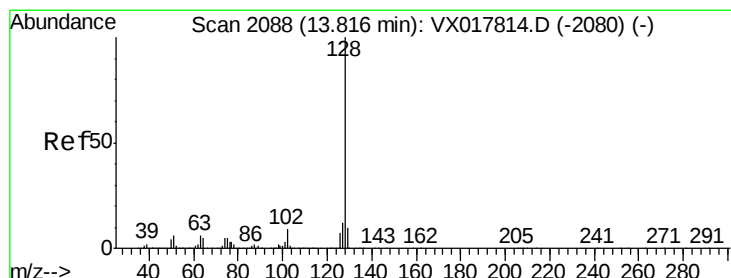
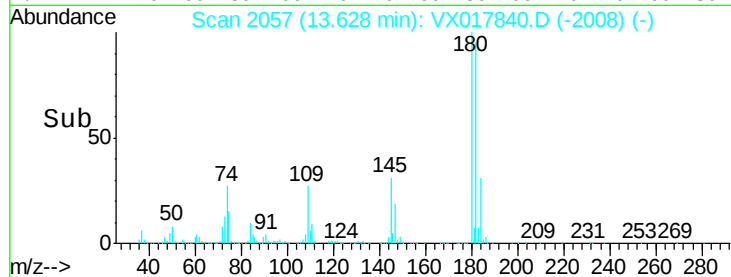
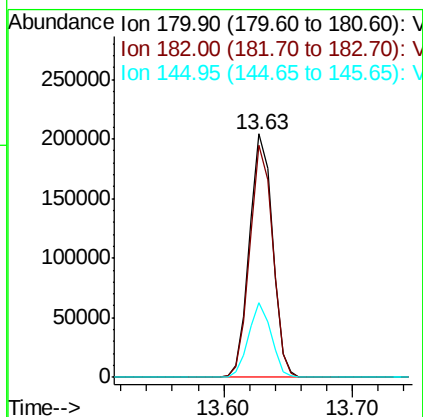
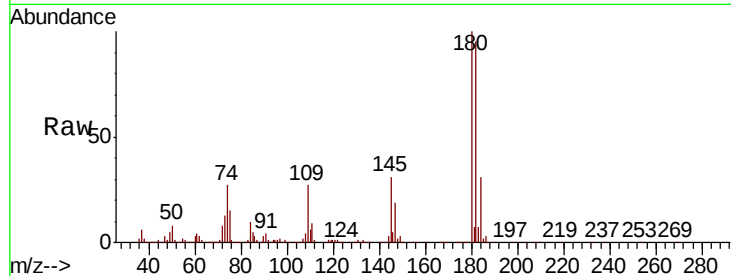




#69
 1,2,4-trichlorobenzene
 Concen: 5.688 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

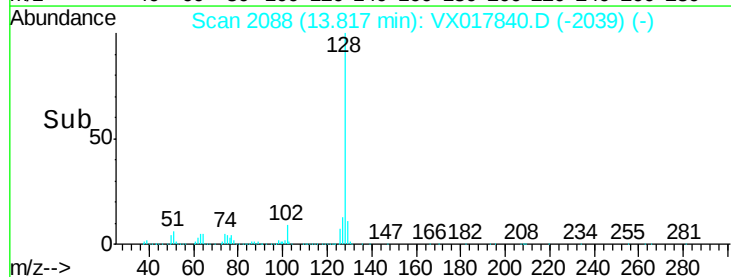
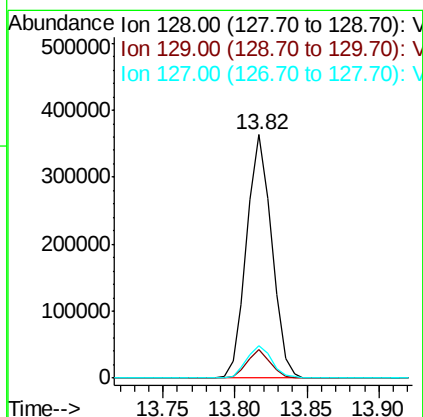
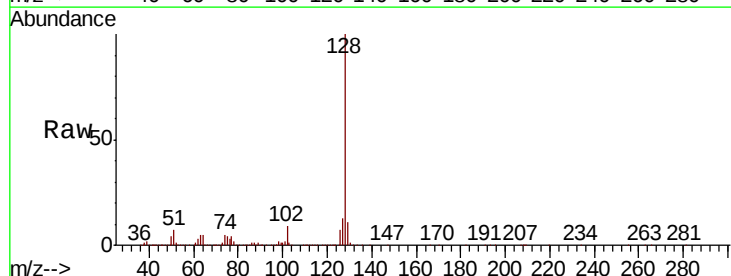
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD00568

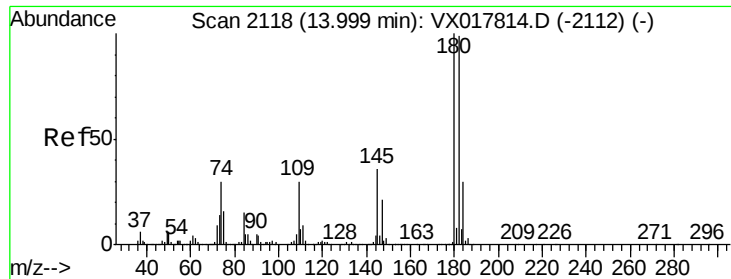
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.5	114.7
145	30.0	25.4	38.0



#70
 Naphthalene
 Concen: 5.412 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	13.3	11.0	16.4

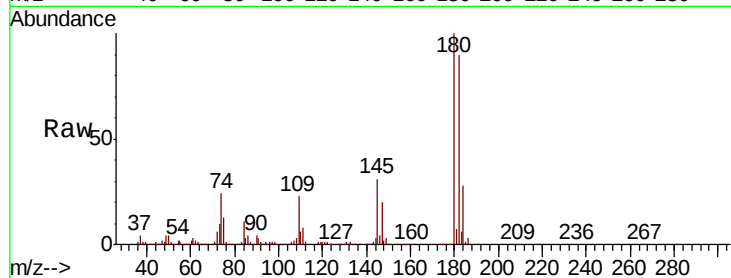




#71
 1,2,3-Trichlorobenzene
 Concen: 5.580 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX017840.D
 Acq: 10 Aug 2020 10:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00568

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.4	113.0
145	33.3	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

