

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
 Data File : VX018662.D
 Acq On : 29 Sep 2020 17:03
 Operator : JC/SP
 Sample : L4143-07
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:57:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 04:47:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	225647	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	219234	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	101631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58192	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.70	69	50105	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.34	63	107460	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.56	46	171611	57.00	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.00%
24) Chloroform-d	5.14	84	143358	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	6.03	65	82619	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	6.05	84	268704	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	7.37	67	81594	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	8.70	98	240740	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
45) trans-1,3-Dichloropropene-	8.99	79	32335	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
48) 2-Hexanone-d5	9.43	63	133465	54.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.68%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	62107	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	90779	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Ovalue
3) Chloromethane	1.31	50	1877	0.161 ug/L	90
6) Bromomethane	1.64	94	599	0.082 ug/L	73
10) 1,1,2-Trichloro-1,2,2-trif	2.34	101	1570	0.135 ug/L #	21
12) 1,1-Dichloroethene	2.34	96	1633	0.148 ug/L #	1
13) Acetone	2.47	43	5145	3.087 ug/L	60
15) Methyl Acetate	2.74	43	399	0.086 ug/L #	1
22) cis-1,2-Dichloroethene	4.57	96	537	0.047 ug/L #	40
25) Chloroform	5.17	83	2418	0.112 ug/L	89
27) 1,2-Dichloroethane	6.06	62	2696	0.197 ug/L	98
33) Benzene	6.11	78	5286	0.125 ug/L	100
34) Trichloroethene	7.20	95	3330	0.272 ug/L	79
39) cis-1,3-Dichloropropene	8.37	75	2930	0.183 ug/L	84
42) Toluene	8.77	91	220049	4.820 ug/L	95
43) 1,3,5-Trimethylbenzene	11.49	105	5546	0.139 ug/L	96
44) 1,2,4-Trimethylbenzene	11.79	105	32004	0.801 ug/L	93
49) Tetrachloroethene	9.32	164	1671	0.174 ug/L	82
50) 2-Hexanone	9.43	43	18099	4.090 ug/L #	74

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 04:47:32 2020
Response via : Initial Calibration

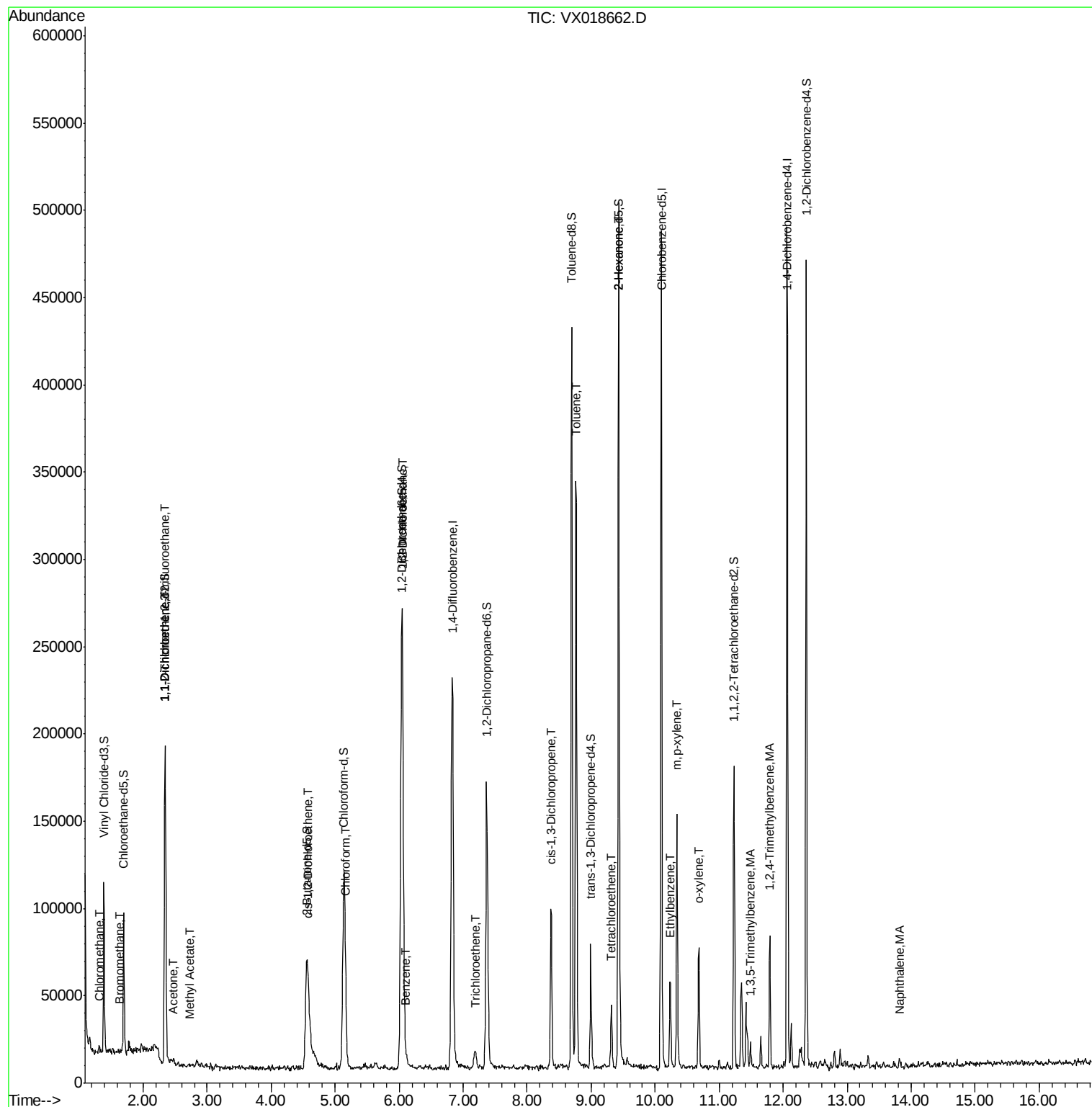
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) Ethylbenzene	10.24	91	28230	0.568	ug/L	98
55) m,p-xylene	10.34	106	33037	1.737	ug/L	99
56) o-xylene	10.68	106	15607	0.869	ug/L	88
70) Naphthalene	13.82	128	3310	0.144	ug/L #	97

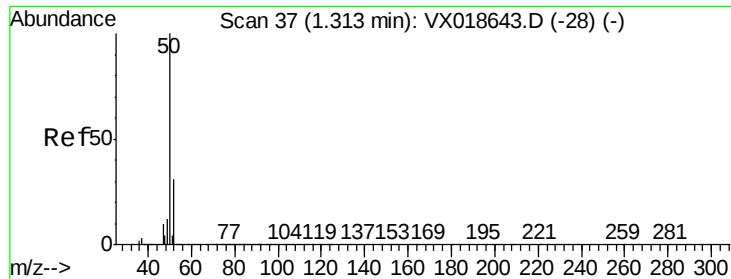
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.161 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.01 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

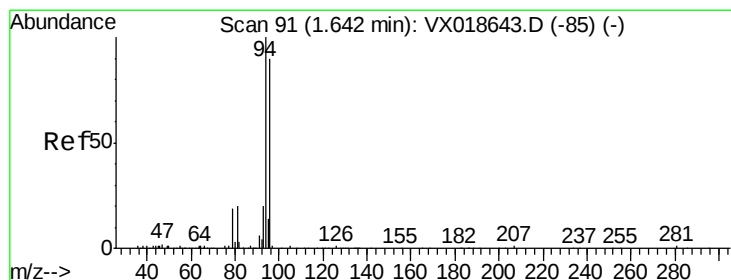
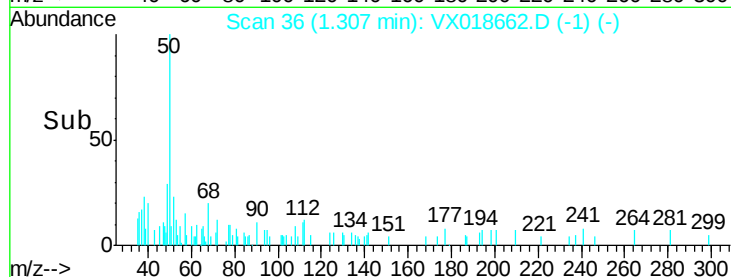
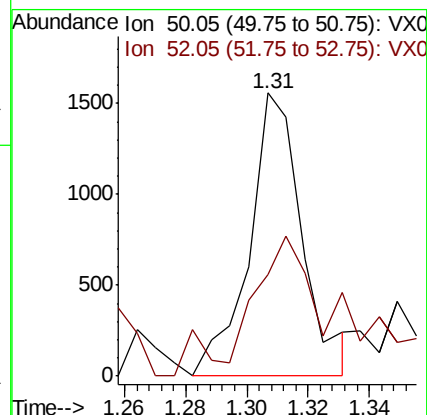
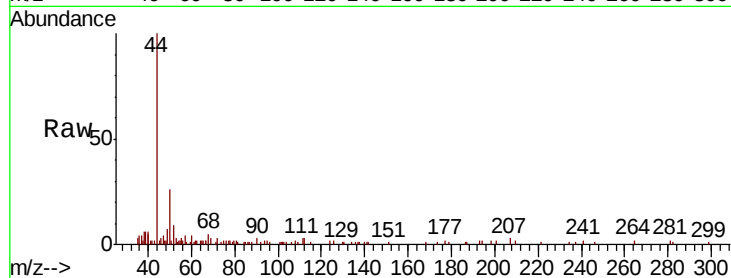
ClientSampleId :

Tot Ion: 50 Resp: 1877

Ion Ratio Lower Upper

50 100

52 35.7 21.2 39.4



#6

Bromomethane

Concen: 0.082 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018662.D

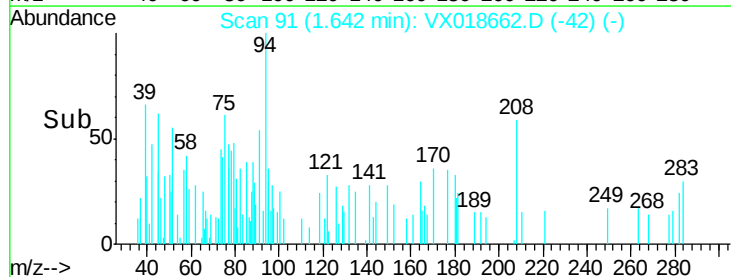
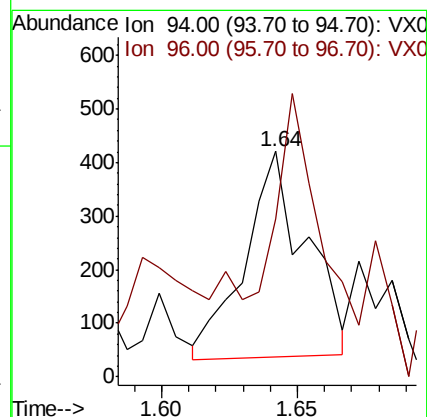
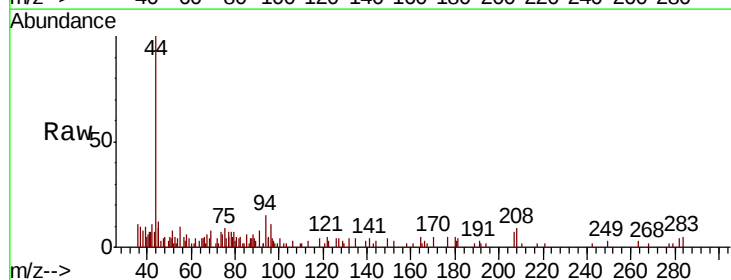
Acq: 29 Sep 2020 17:03

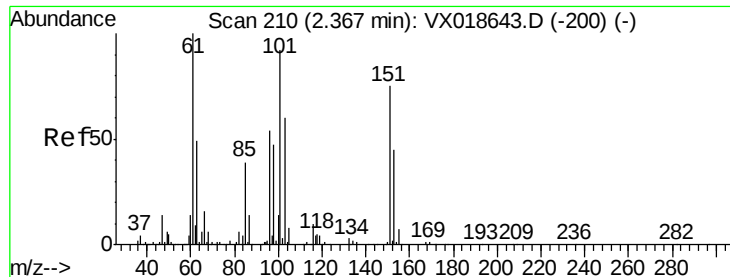
Tgt Ion: 94 Resp: 599

Ion Ratio Lower Upper

94 100

96 70.1 67.8 125.8





#10

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

Concen: 0.135 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.03 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

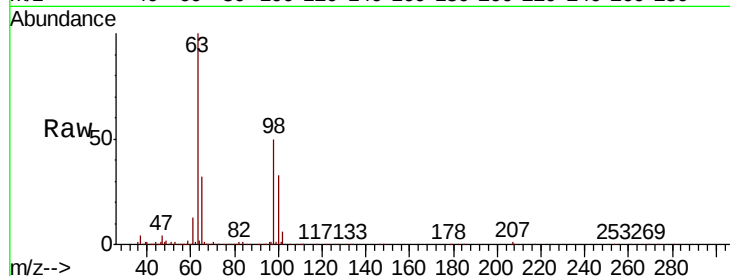
Tot Ion:101 Resp: 1570

Ion Ratio Lower Upper

101 100

85 8.5 36.1 54.1#

151 0.0 65.5 98.3#



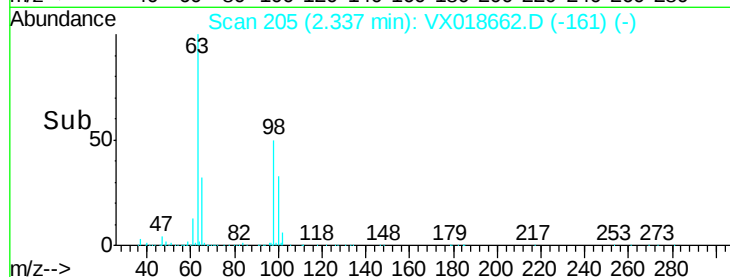
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

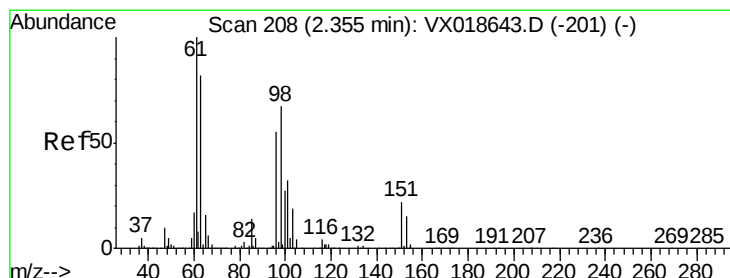
Ion 151.00 (150.70 to 151.70): V

2.34

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 0.148 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

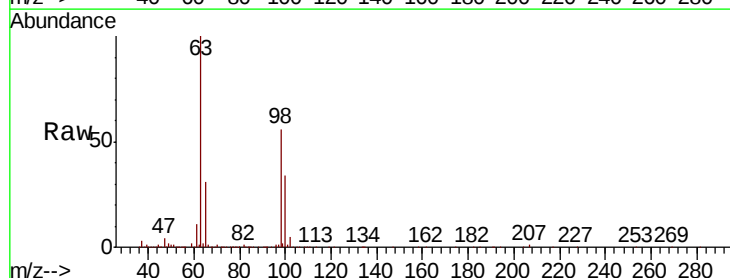
Tgt Ion: 96 Resp: 1633

Ion Ratio Lower Upper

96 100

61 857.0 123.8 229.8#

63 7519.3 104.7 194.4#



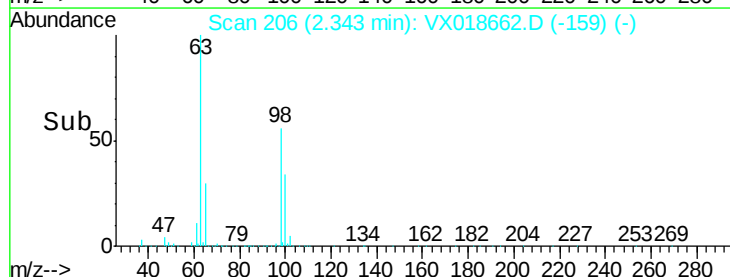
Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

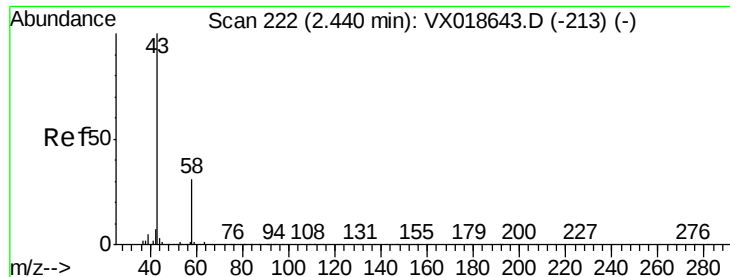
Ion 63.00 (62.70 to 63.70): VX0

2.34

Time-->



Time-->



#13

Acetone

Concen: 3.087 ug/L

RT: 2.47 min Scan# 227

Delta R.T. 0.03 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

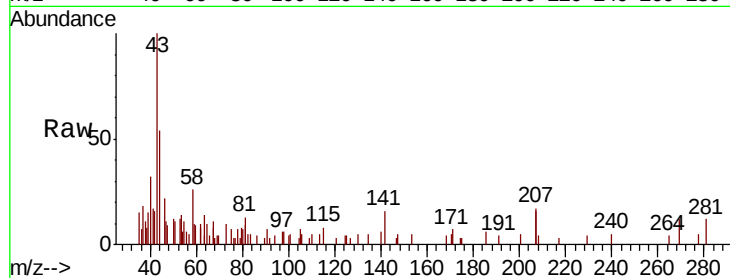
ClientSampleId :

Tot Ion: 43 Resp: 5145

Ion Ratio Lower Upper

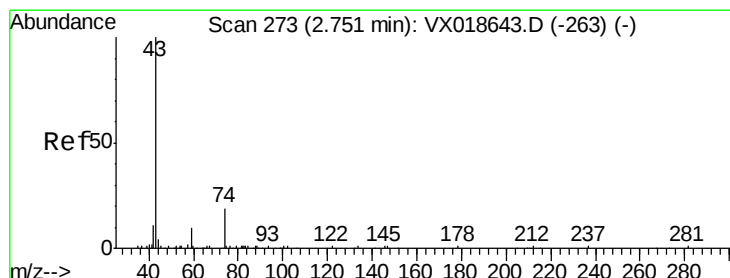
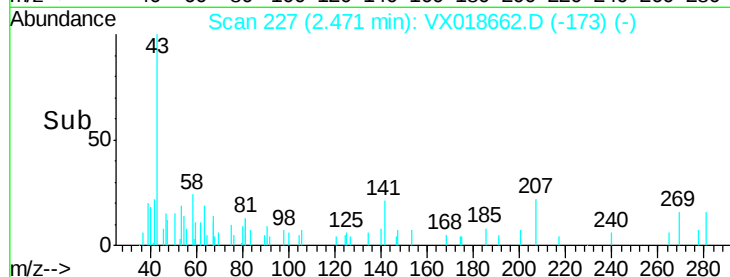
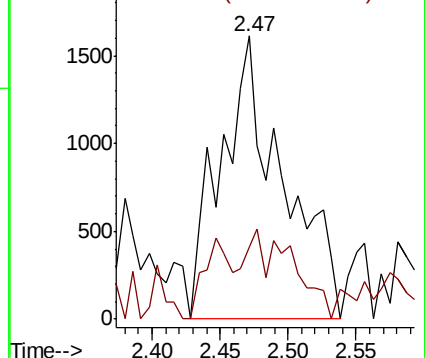
43 100

58 8.6 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#15

Methyl Acetate

Concen: 0.086 ug/L

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX018662.D

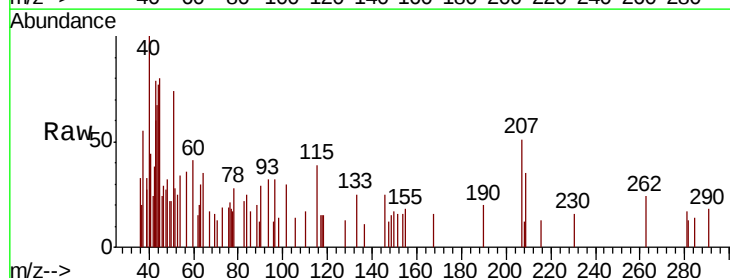
Acq: 29 Sep 2020 17:03

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

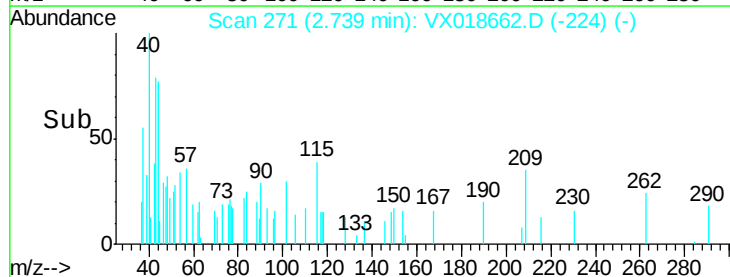
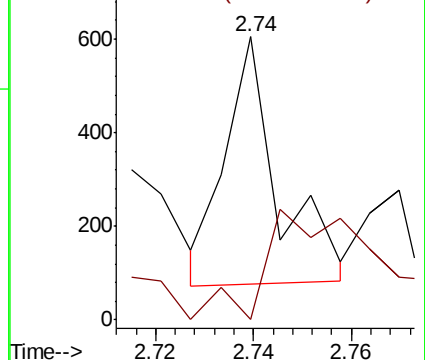
43 100

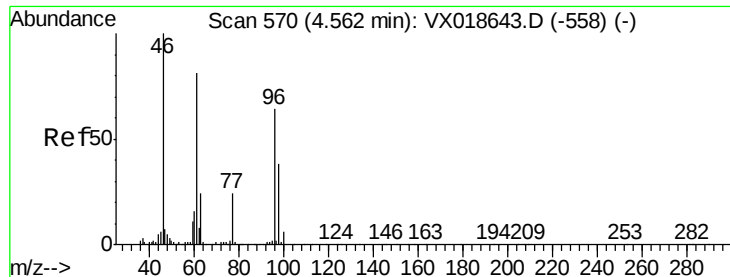
74 95.0 21.2 31.8#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



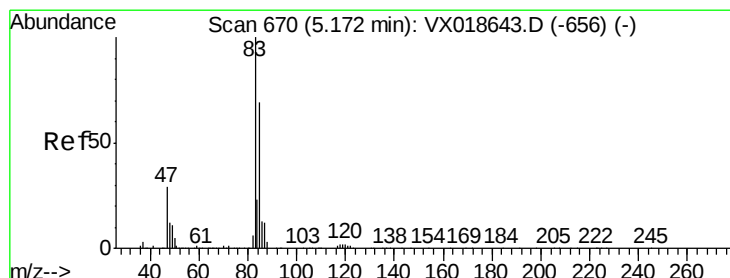
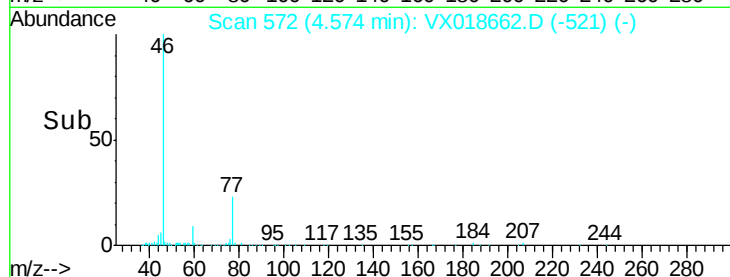
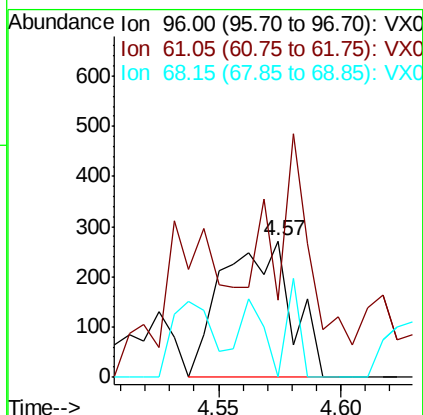
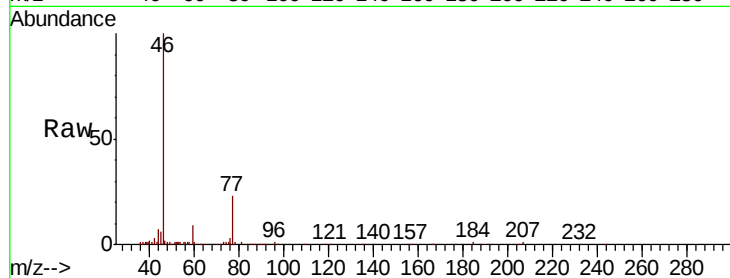


#22

cis-1,2-Dichloroethene
 Concen: 0.047 ug/L
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX018662.D
 Acq: 29 Sep 2020 17:03

Instrument :
 MSVOA_X
 ClientSampleId :

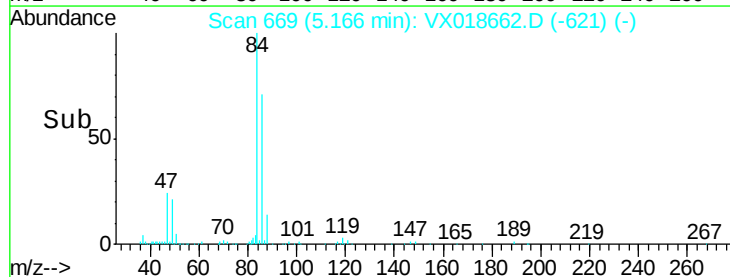
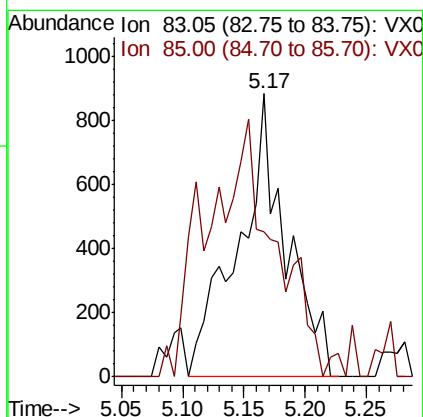
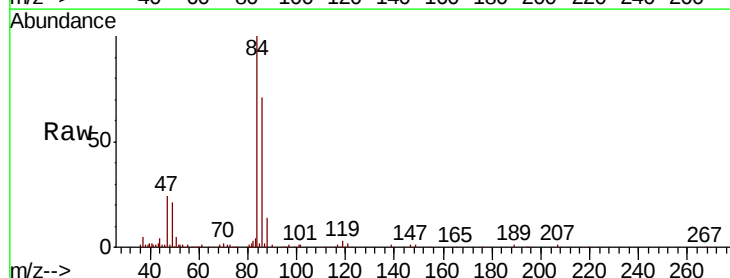
Tot Ion: 96 Resp: 537
 Ion Ratio Lower Upper
 96 100
 61 56.8 87.7 162.9#
 68 0.0 0.3 0.7#

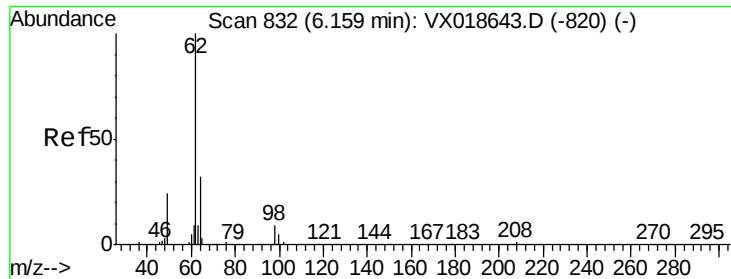


#25

Chloroform
 Concen: 0.112 ug/L
 RT: 5.17 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VX018662.D
 Acq: 29 Sep 2020 17:03

Tgt Ion: 83 Resp: 2418
 Ion Ratio Lower Upper
 83 100
 85 51.5 41.8 77.6

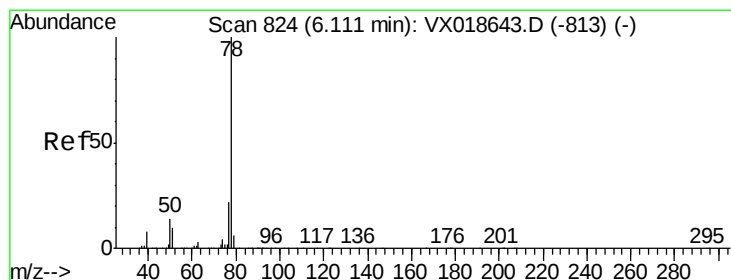
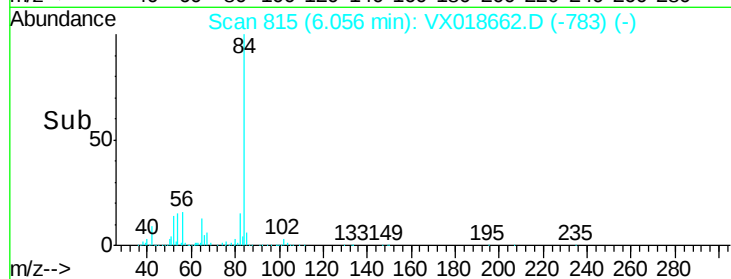
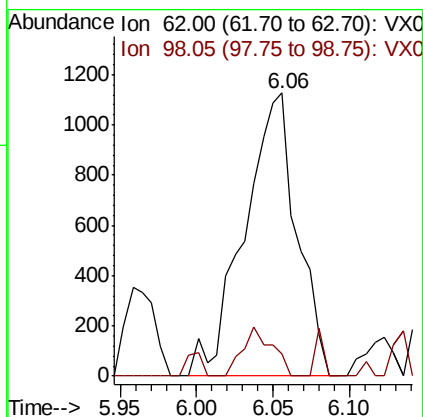
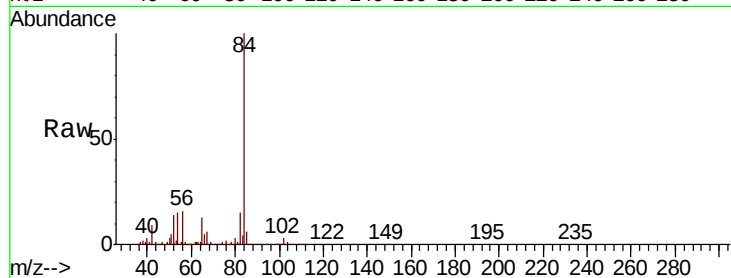




#27
 1,2-Dichloroethane
 Concen: 0.197 ug/L
 RT: 6.06 min Scan# 815
 Delta R.T. -0.10 min
 Lab File: VX018662.D
 Acq: 29 Sep 2020 17:03

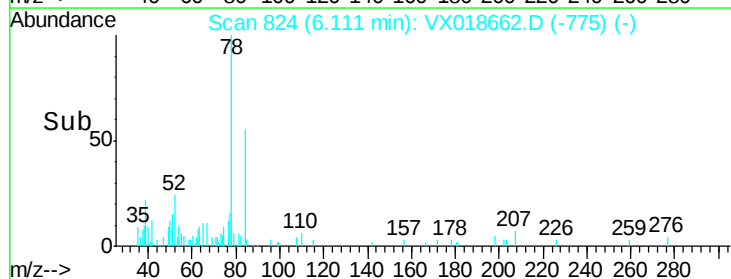
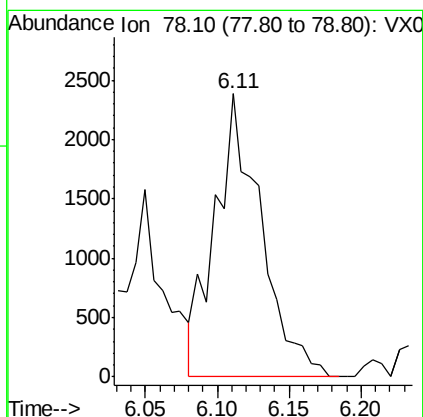
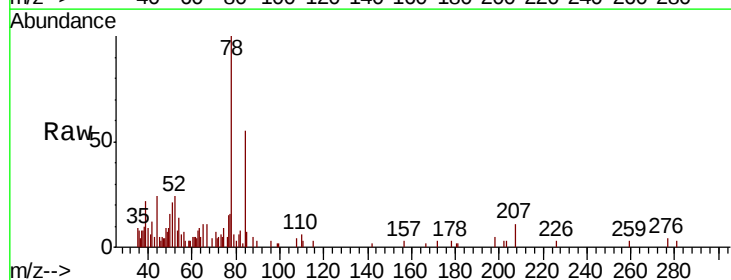
Instrument :
 MSVOA_X
 ClientSampleId :

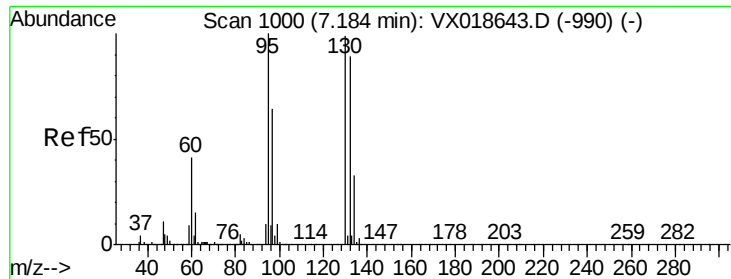
Tot Ion: 62 Resp: 2696
 Ion Ratio Lower Upper
 62 100
 98 8.0 7.0 10.4



#33
 Benzene
 Concen: 0.125 ug/L
 RT: 6.11 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VX018662.D
 Acq: 29 Sep 2020 17:03

Tgt Ion: 78 Resp: 5286

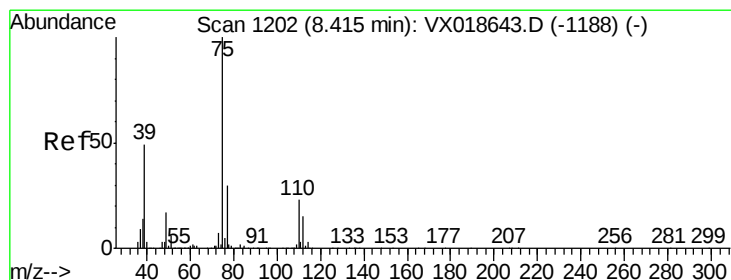
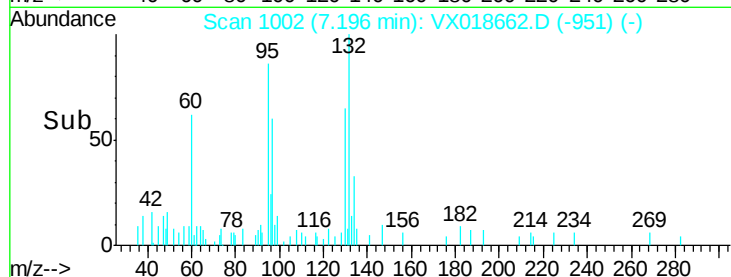
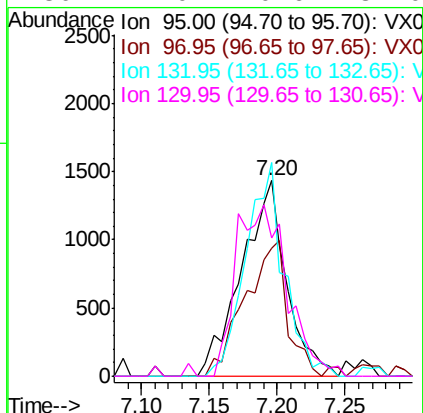
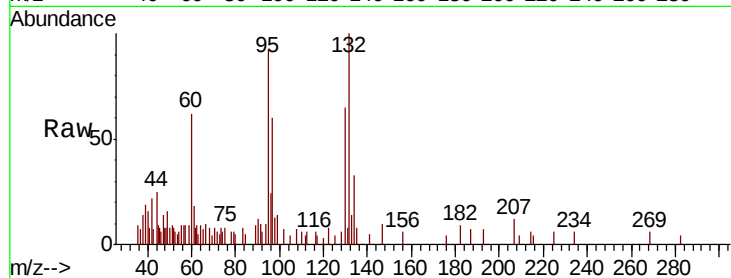




#34
 Trichloroethene
 Concen: 0.272 ug/L
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX018662.D
 Acq: 29 Sep 2020 17:03

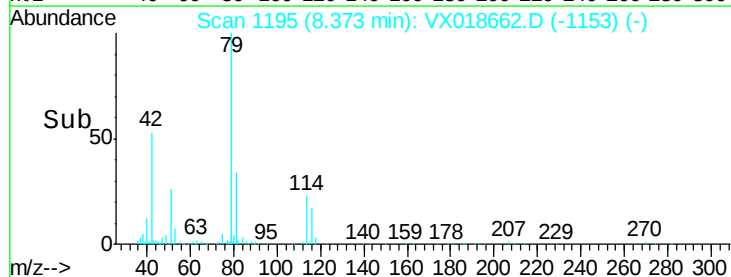
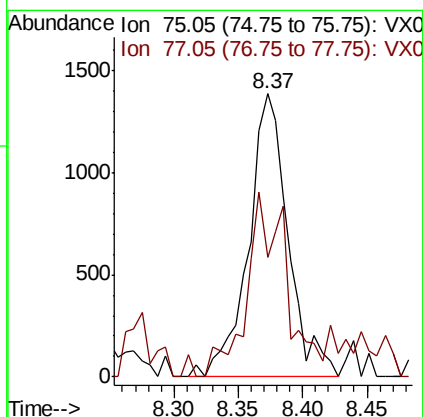
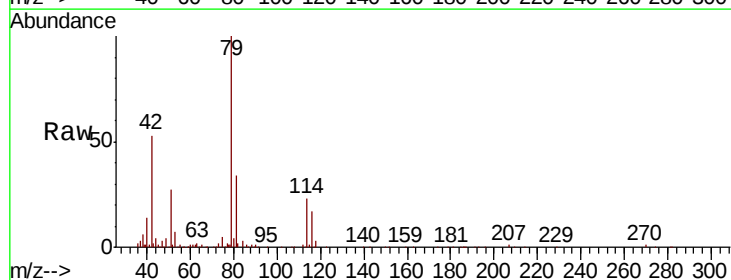
Instrument :
 MSVOA_X
 ClientSampleID :

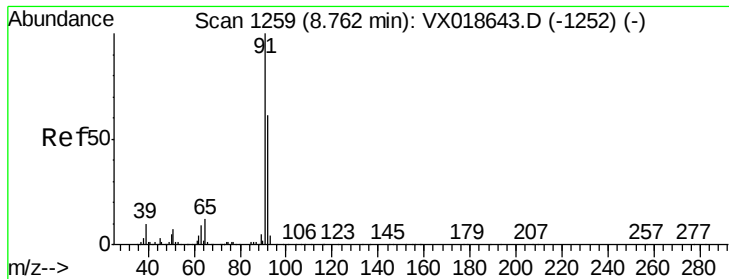
Tot Ion: 95 Resp: 3330
 Ion Ratio Lower Upper
 95 100
 97 65.2 40.6 75.4
 132 109.3 64.3 119.5
 130 71.0 70.6 131.0



#39
 cis-1,3-Dichloropropene
 Concen: 0.183 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018662.D
 Acq: 29 Sep 2020 17:03

Tgt Ion: 75 Resp: 2930
 Ion Ratio Lower Upper
 75 100
 77 42.1 23.0 42.8





#42

Toluene

Concen: 4.820 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

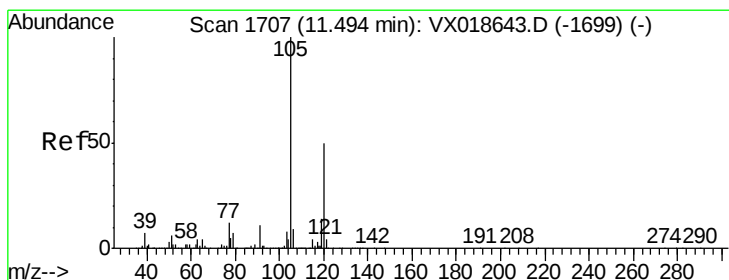
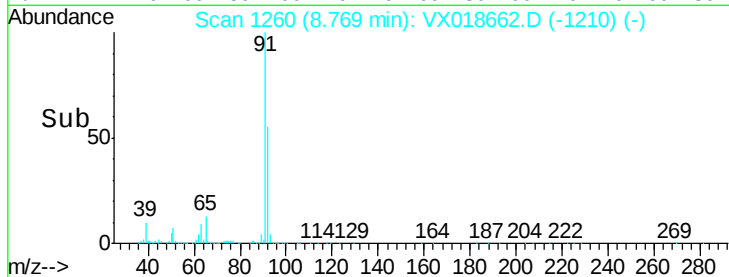
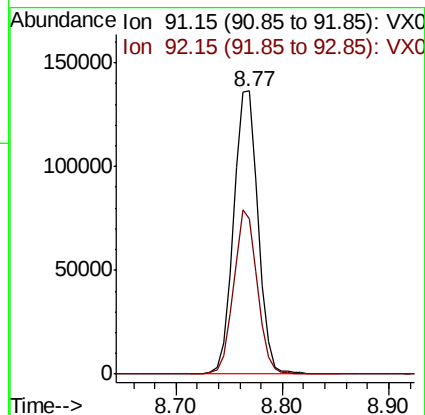
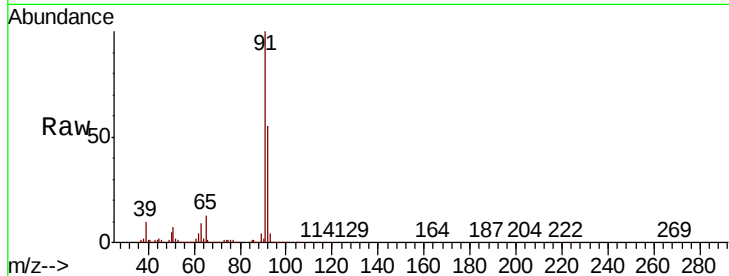
ClientSampleId :

Tot Ion: 91 Resp: 220049

Ion Ratio Lower Upper

91 100

92 55.1 41.1 76.3



#43

1,3,5-Trimethylbenzene

Concen: 0.139 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018662.D

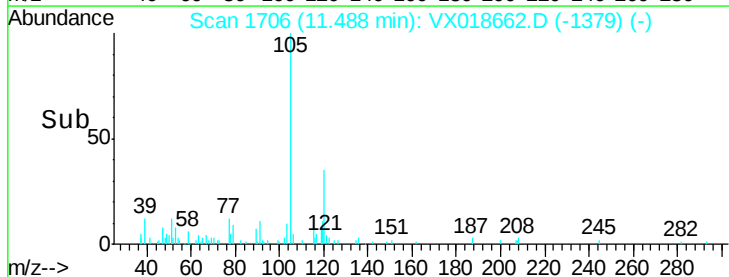
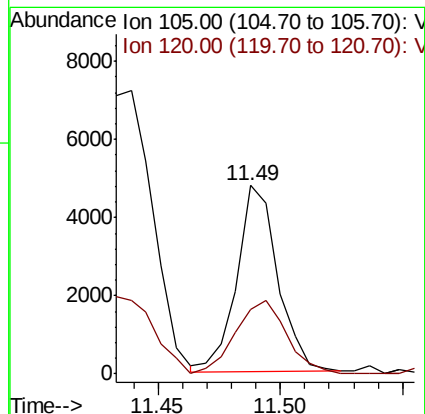
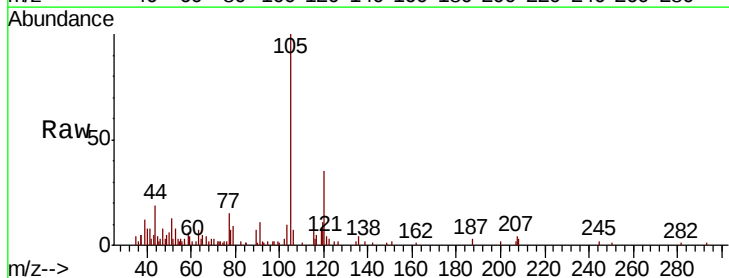
Acq: 29 Sep 2020 17:03

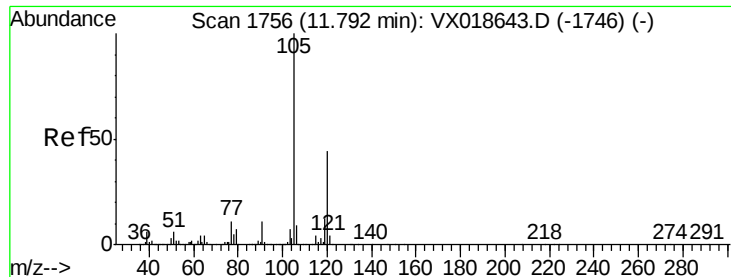
Tgt Ion:105 Resp: 5546

Ion Ratio Lower Upper

105 100

120 49.4 37.2 55.8





#44

1,2,4-Trimethylbenzene

Concen: 0.801 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

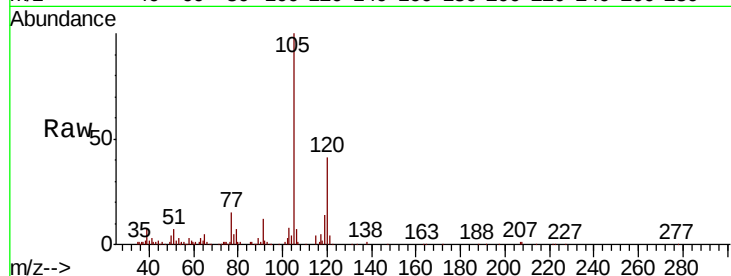
ClientSampleId :

Tot Ion:105 Resp: 32004

Ion Ratio Lower Upper

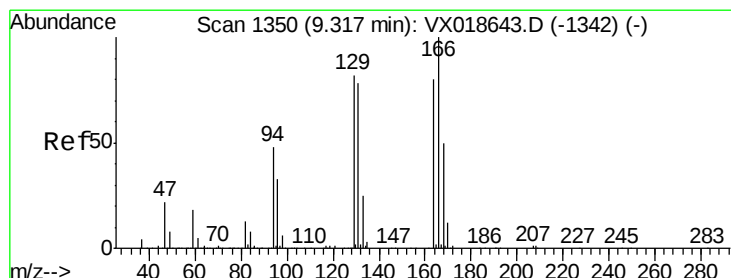
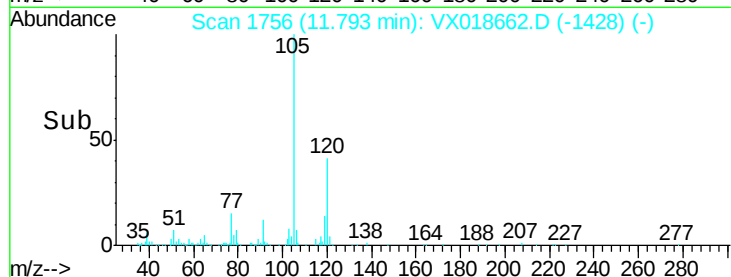
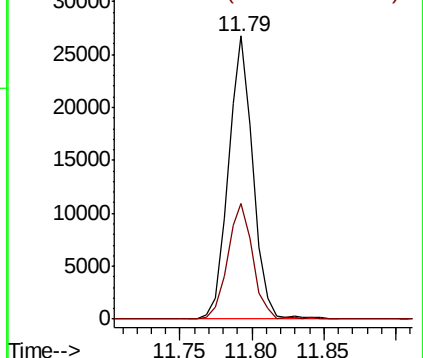
105 100

120 41.7 36.8 55.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#49

Tetrachloroethene

Concen: 0.174 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Tgt Ion:164 Resp: 1671

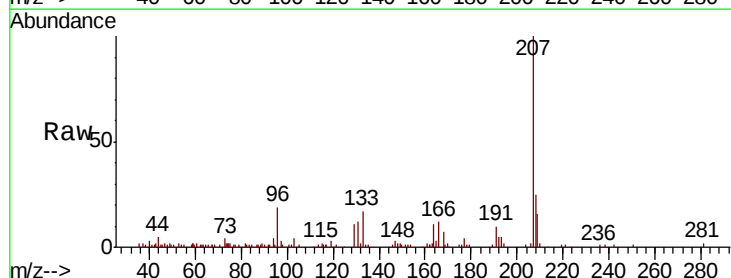
Ion Ratio Lower Upper

164 100

129 98.4 65.9 122.3

131 107.7 61.4 114.0

166 101.2 91.0 169.0

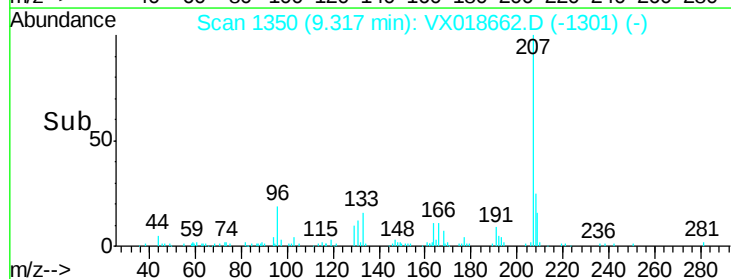
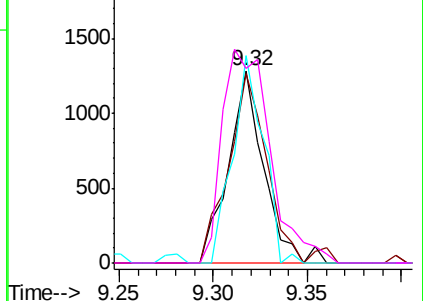


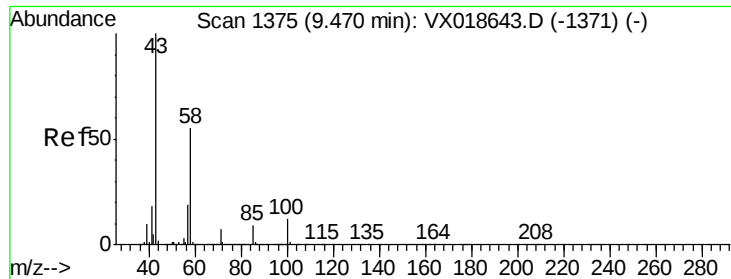
Abundance Ion 163.90 (163.60 to 164.60): V

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

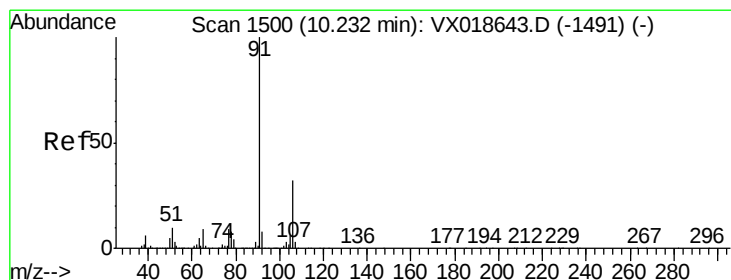
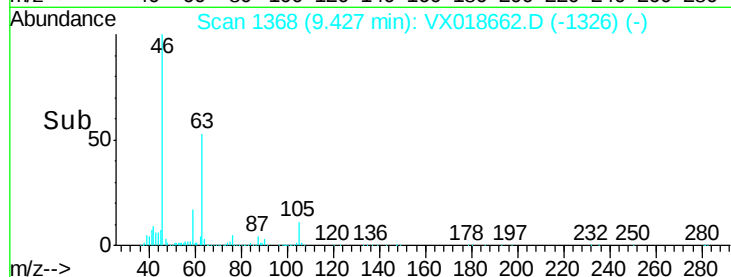
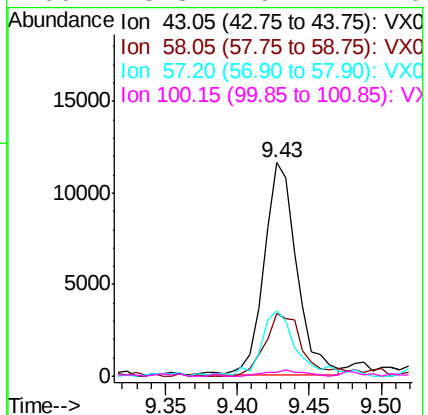
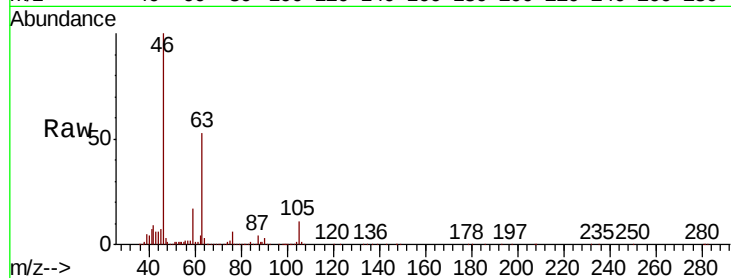




#50
2-Hexanone
Concen: 4.090 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX018662.D
Acq: 29 Sep 2020 17:03

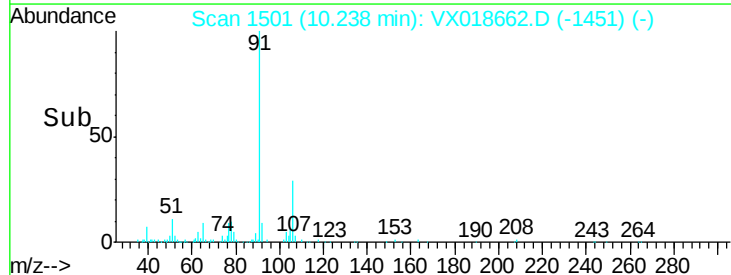
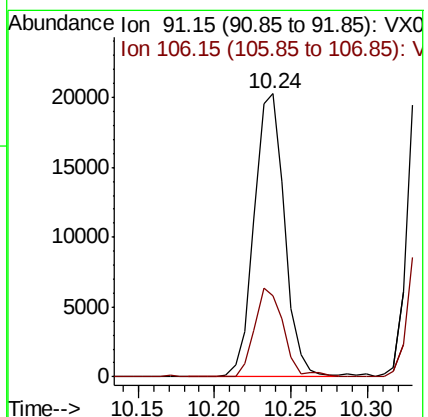
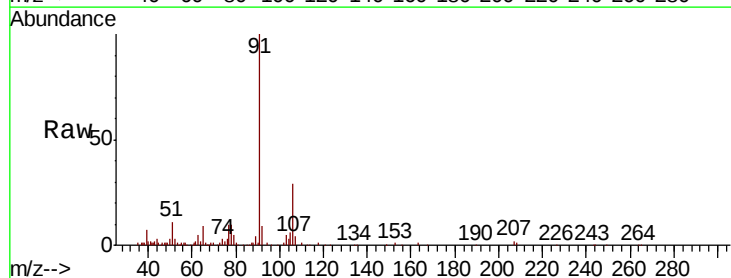
Instrument :
MSVOA_X
ClientSampleId :

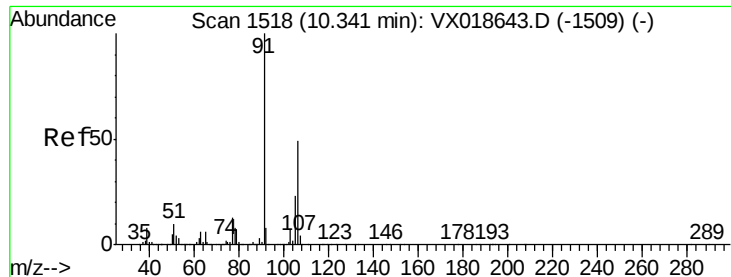
Tot Ion: 43 Resp: 18099
Ion Ratio Lower Upper
43 100
58 35.5 42.5 63.7#
57 35.0 15.9 23.9#
100 3.3 9.4 14.0#



#54
Ethylbenzene
Concen: 0.568 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018662.D
Acq: 29 Sep 2020 17:03

Tgt Ion: 91 Resp: 28230
Ion Ratio Lower Upper
91 100
106 28.7 21.0 39.0





#55

m,p-xylene

Concen: 1.737 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

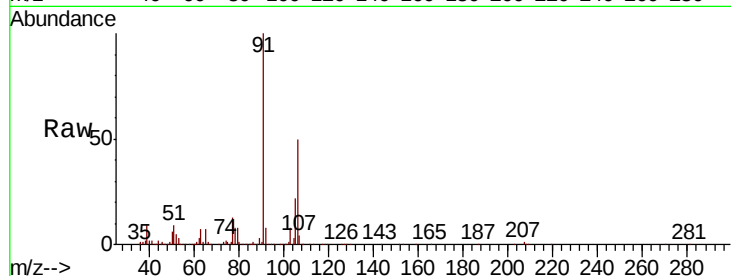
ClientSampleId :

Tot Ion:106 Resp: 33037

Ion Ratio Lower Upper

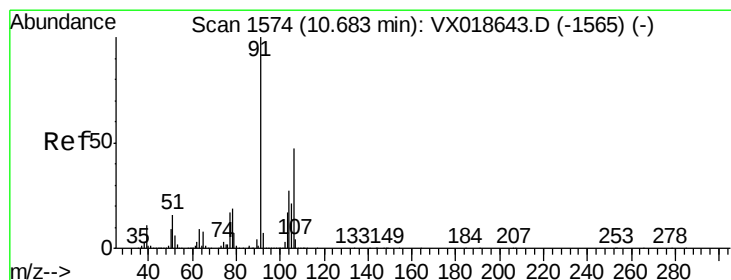
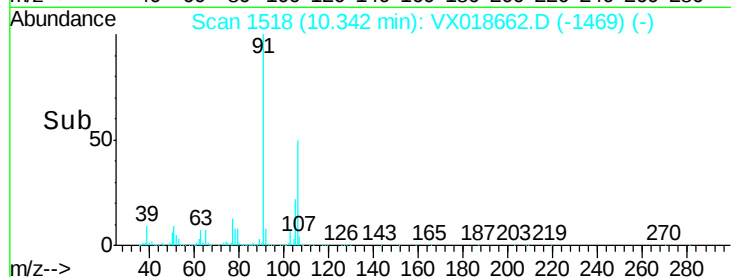
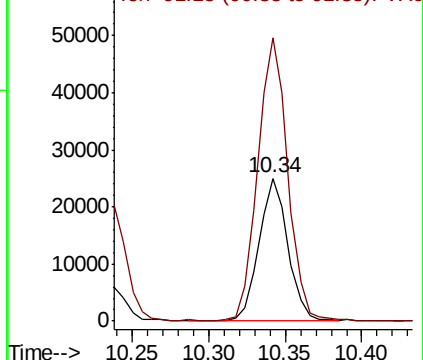
106 100

91 198.5 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.869 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018662.D

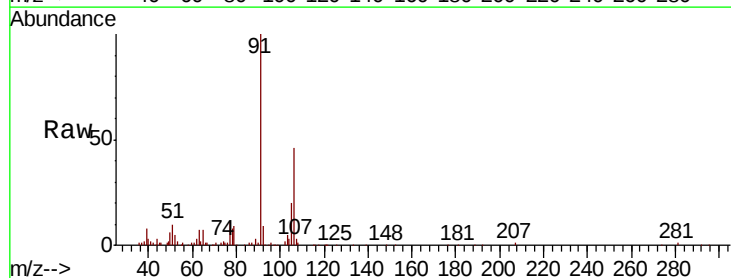
Acq: 29 Sep 2020 17:03

Tgt Ion:106 Resp: 15607

Ion Ratio Lower Upper

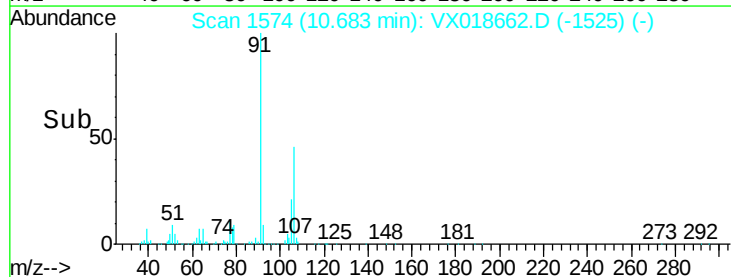
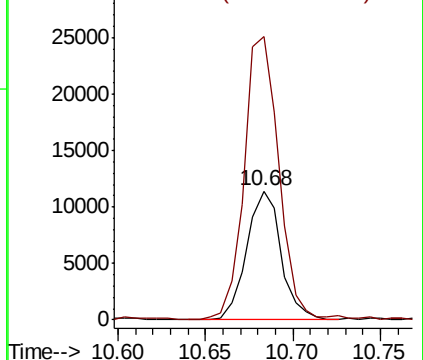
106 100

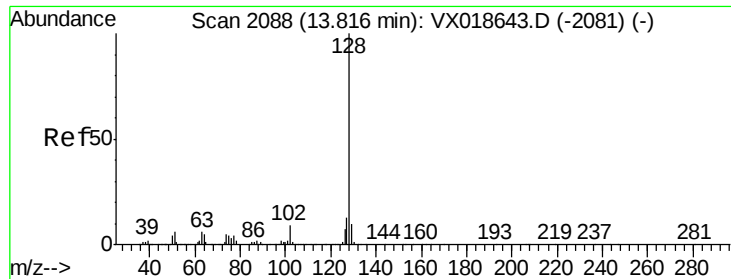
91 219.3 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#70

Naphthalene

Concen: 0.144 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

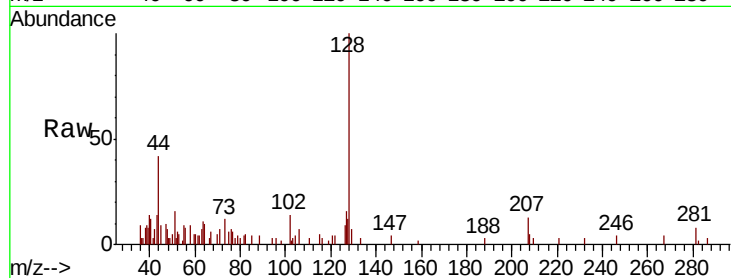
Lab File: VX018662.D

Acq: 29 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	128	Resp:	3310
Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.8	13.2#
127	13.5	10.7	16.1

