

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
 Data File : VX018622.D
 Acq On : 28 Sep 2020 18:06
 Operator : JC/SP
 Sample : L4135-02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0Q6

Quant Time: Sep 29 02:38:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	304036	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	278311	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	131045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66441	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.70	69	56223	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.34	63	113839	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.54	46	182051	44.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.74%
24) Chloroform-d	5.14	84	150223	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
26) 1,2-Dichloroethane-d4	6.03	65	81584	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
32) Benzene-d6	6.05	84	283204	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	7.37	67	85343	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	8.70	98	257288	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
45) trans-1,3-Dichloropropene-	8.99	79	35580	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
48) 2-Hexanone-d5	9.43	63	143314	45.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.94%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	65134	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	99131	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
3) Chloromethane	1.31	50	1628	0.104 ug/L	97
5) Vinyl chloride	1.39	62	1243	0.076 ug/L #	1
8) Chloroethane	1.72	64	2562	0.283 ug/L #	64
13) Acetone	2.45	43	4668	2.079 ug/L	61
14) Carbon disulfide	2.56	76	5862	0.130 ug/L #	54
15) Methyl Acetate	2.75	43	475	0.076 ug/L #	75
16) Methylene chloride	2.82	84	2794	0.138 ug/L #	62
17) Methyl tert-butyl Ether	3.17	73	23900	0.723 ug/L #	92
33) Benzene	6.12	78	62013	1.156 ug/L	100
42) Toluene	8.76	91	23327	0.402 ug/L	98
53) Chlorobenzene	10.12	112	94894	2.478 ug/L	97
54) Ethylbenzene	10.24	91	5229	0.083 ug/L	92
55) m,p-xylene	10.35	106	5555	0.230 ug/L	94
56) o-xylene	10.68	106	3746	0.164 ug/L	77
58) Isopropylbenzene	11.00	105	5869	0.096 ug/L #	84
64) 1,4-Dichlorobenzene	12.09	146	9105	0.316 ug/L	95
66) 1,2-Dichlorobenzene	12.38	146	5653	0.213 ug/L	93

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QLast Update : Tue Sep 29 02:30:52 2020
Response via : Initial Calibration

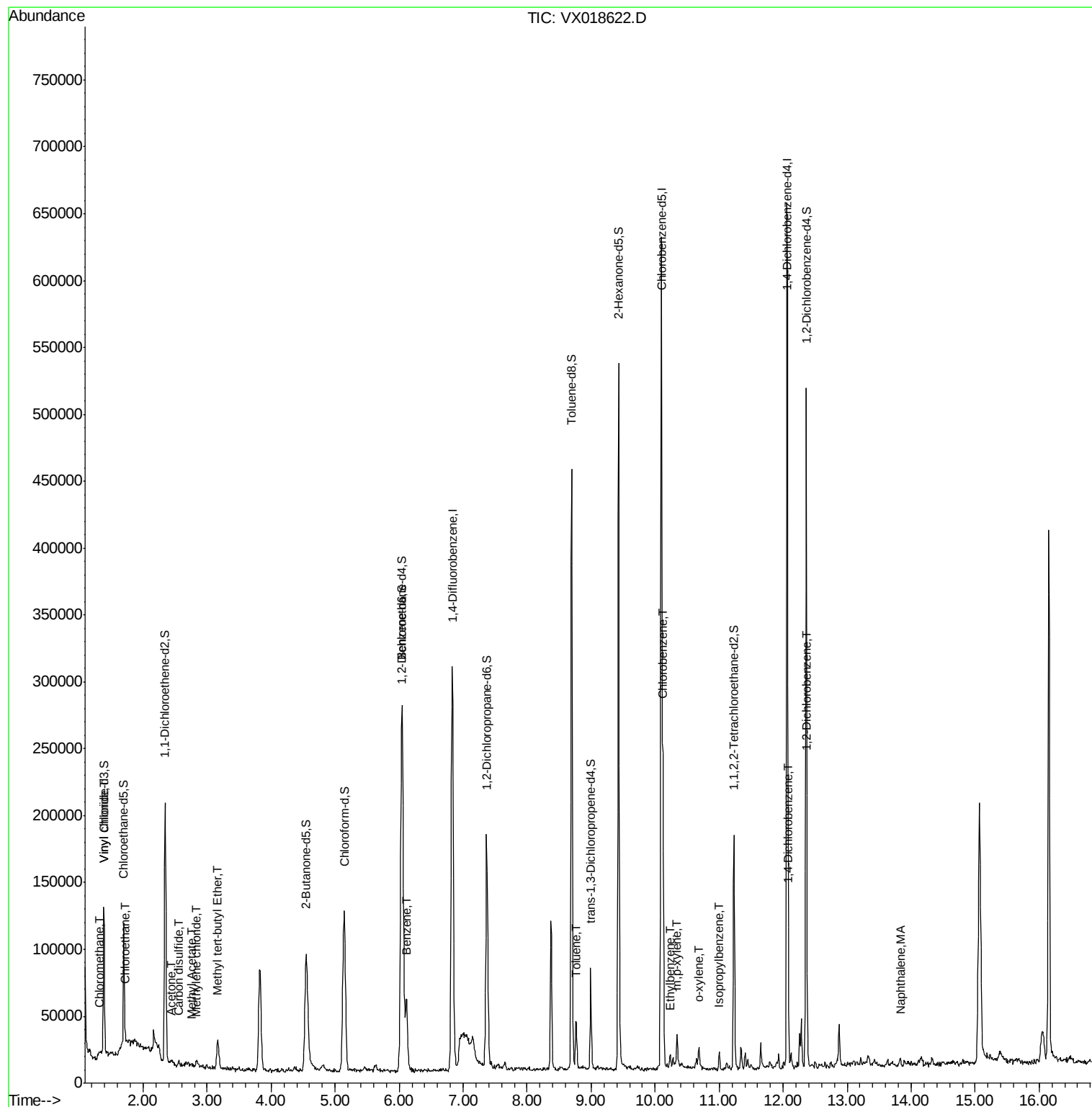
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Naphthalene	13.82	128	1765	0.060	ug/L #	59

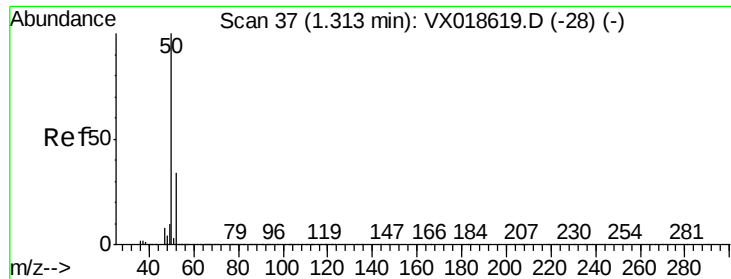
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.104 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

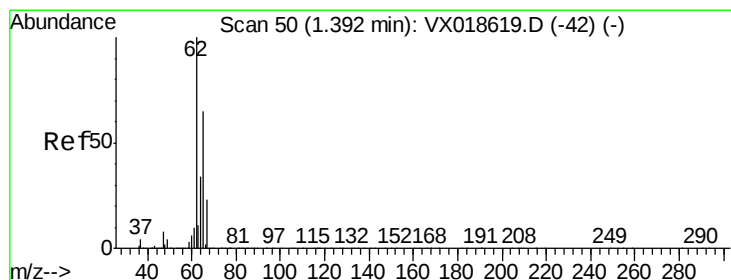
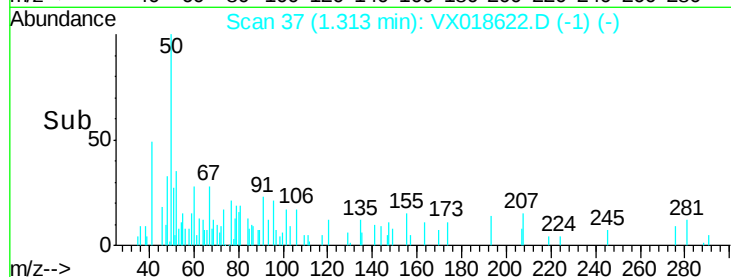
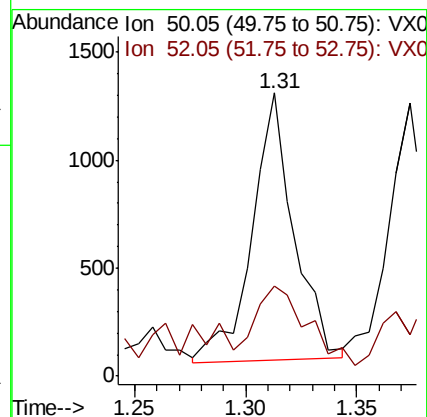
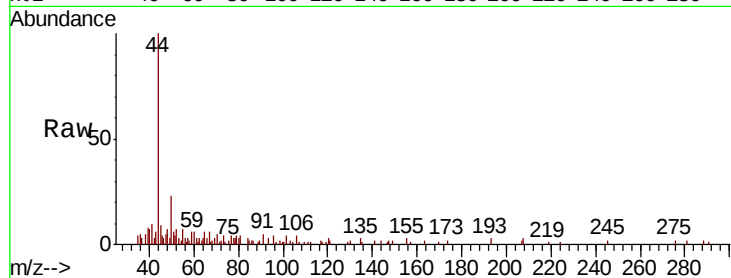
BG0Q6

Tot Ion: 50 Resp: 1628

Ion Ratio Lower Upper

50 100

52 31.7 21.2 39.4



#5

Vinyl chloride

Concen: 0.076 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018622.D

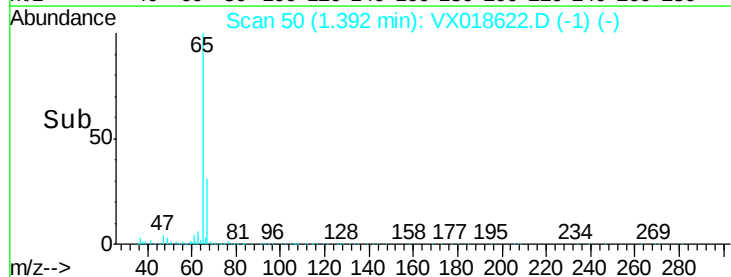
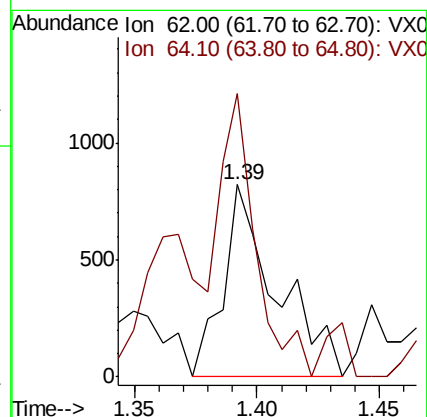
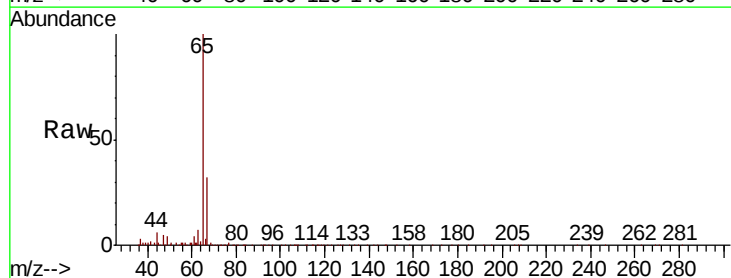
Acq: 28 Sep 2020 18:06

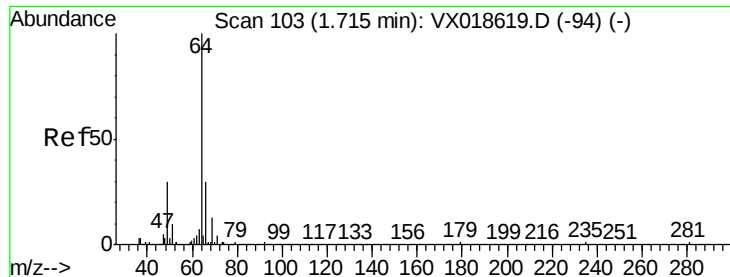
Tgt Ion: 62 Resp: 1243

Ion Ratio Lower Upper

62 100

64 147.3 23.6 43.8#

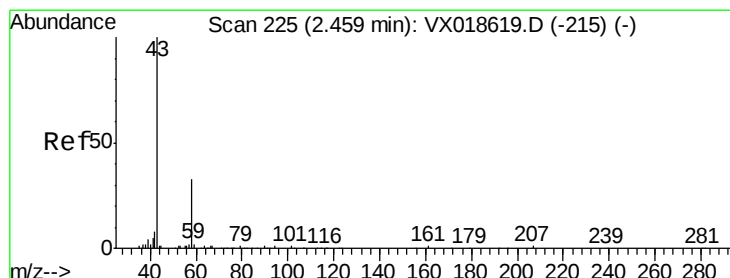
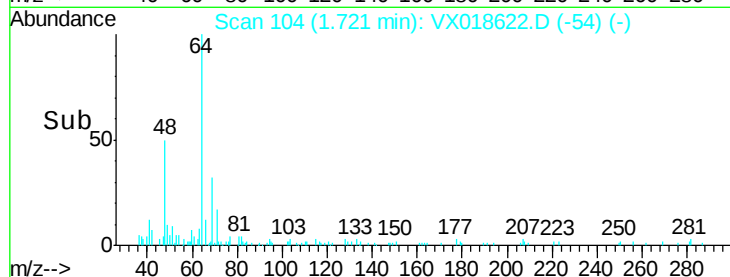
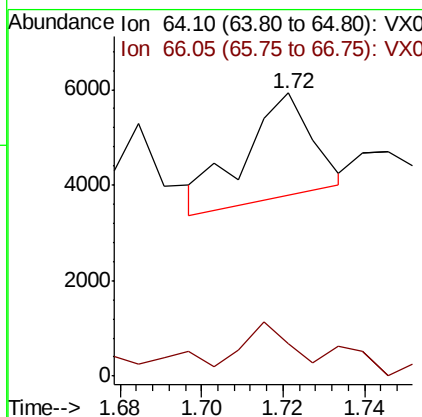
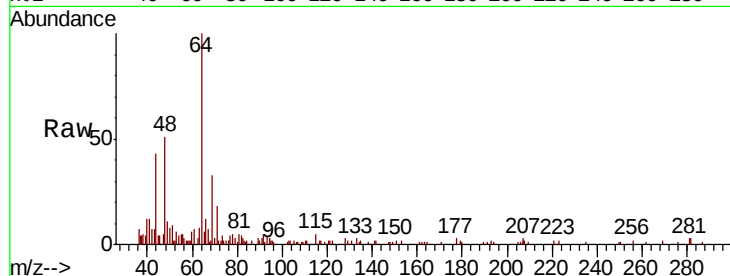




#8
Chloroethane
Concen: 0.283 ug/L
RT: 1.72 min Scan# 104
Delta R.T. 0.01 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

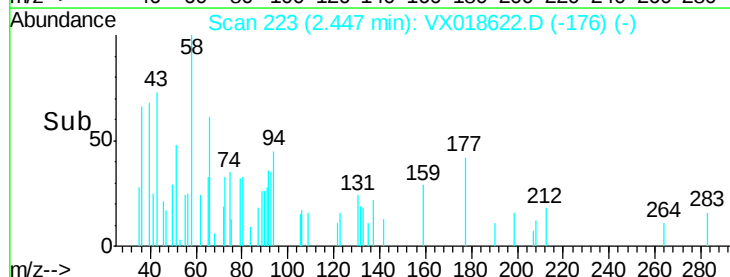
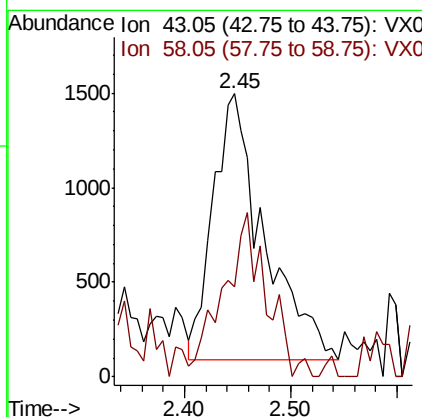
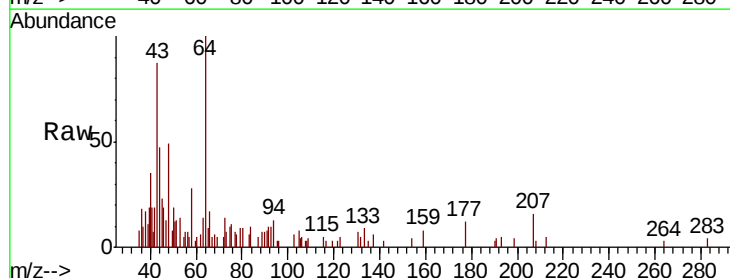
Instrument :
MSVOA_X
ClientSampleId :
BG0Q6

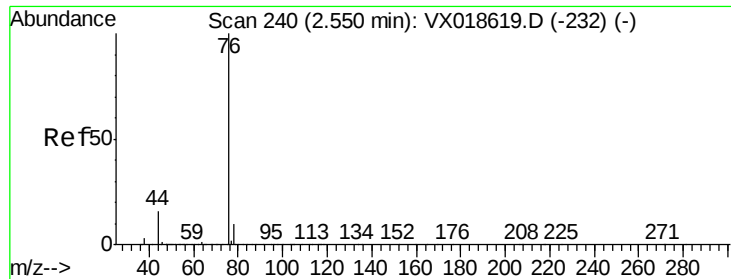
Tot Ion: 64 Resp: 2562
Ion Ratio Lower Upper
64 100
66 11.5 22.3 41.3#



#13
Acetone
Concen: 2.079 ug/L
RT: 2.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

Tgt Ion: 43 Resp: 4668
Ion Ratio Lower Upper
43 100
58 52.1 0.0 61.6

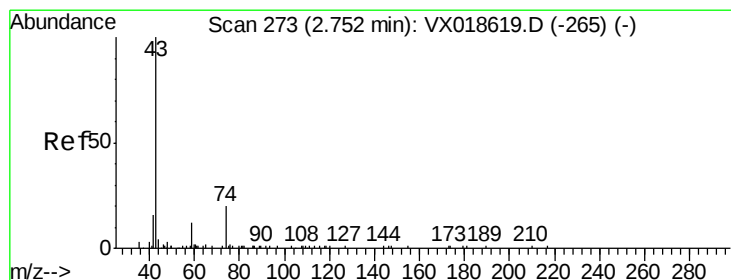
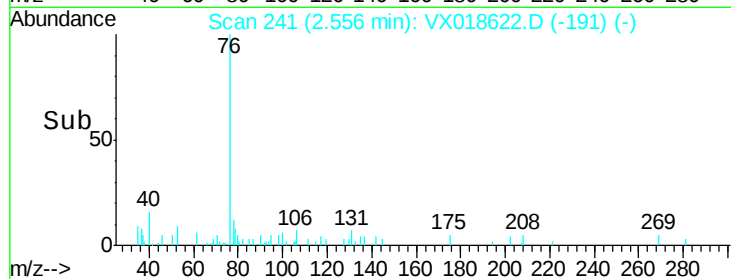
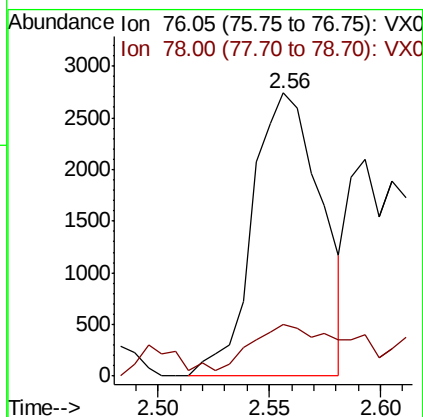
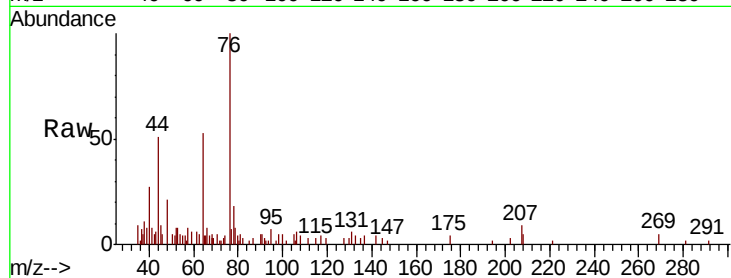




#14
Carbon disulfide
Concen: 0.130 ug/L
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

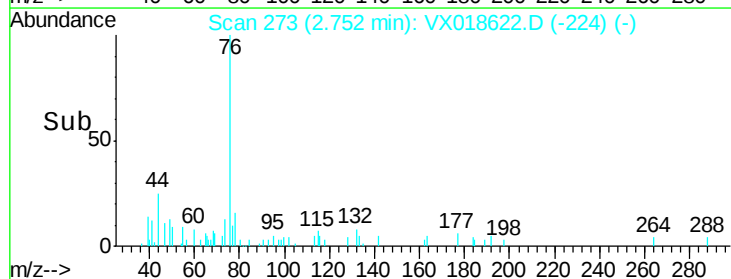
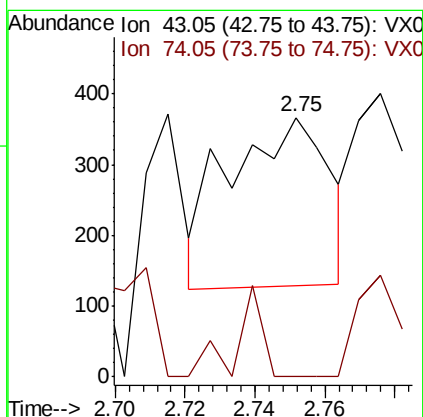
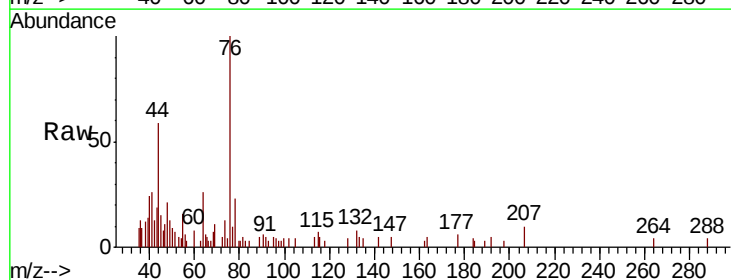
Instrument :
MSVOA_X
ClientSampleId :
BG0Q6

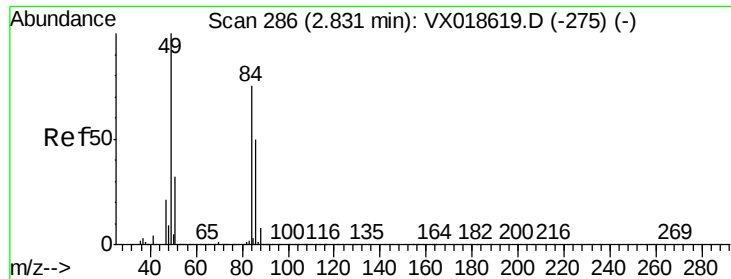
Tot Ion: 76 Resp: 5862
Ion Ratio Lower Upper
76 100
78 26.0 7.4 11.0#



#15
Methyl Acetate
Concen: 0.076 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
74 13.9 21.2 31.8#

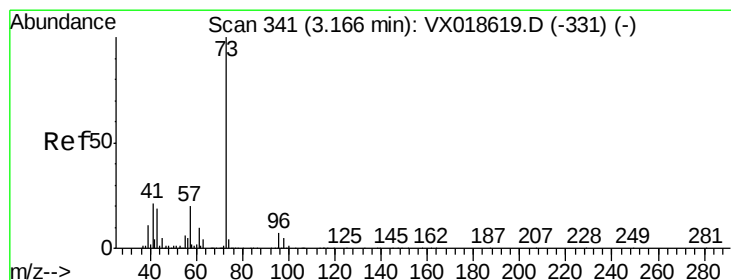
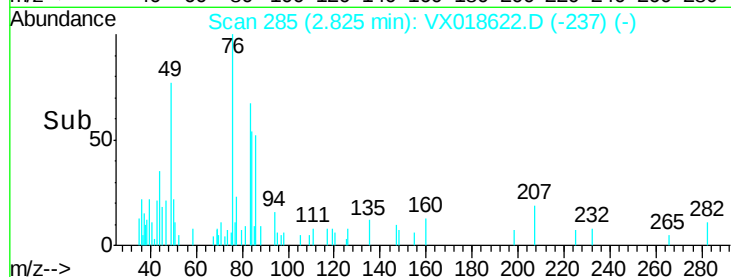
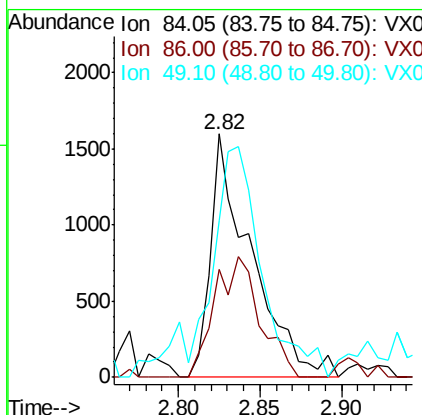
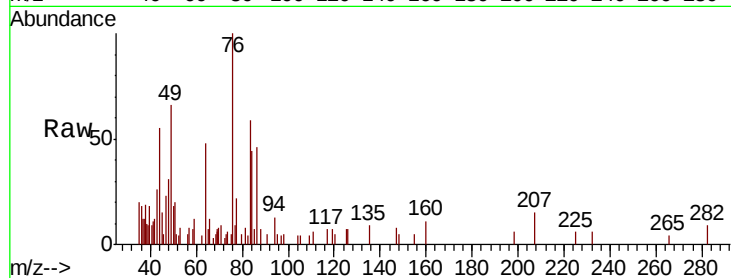




#16
Methvlene chloride
Concen: 0.138 ug/L
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

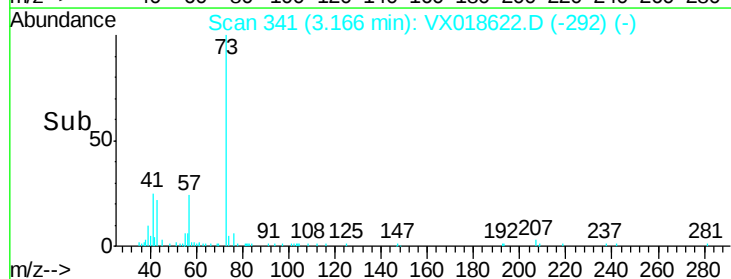
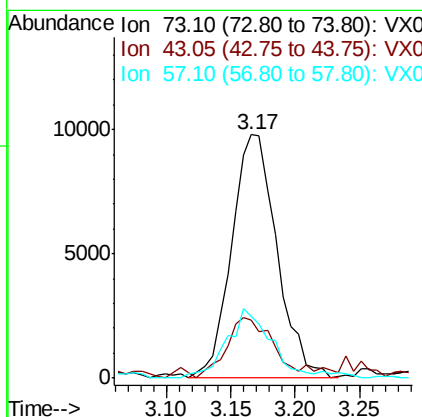
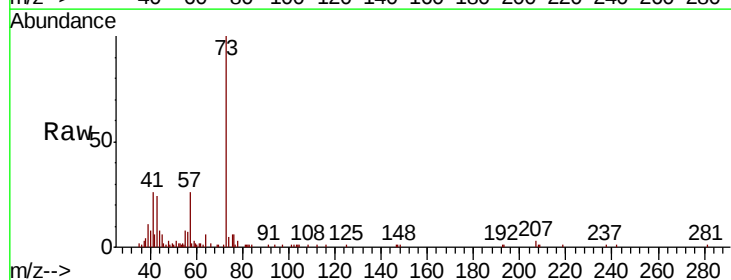
Instrument :
MSVOA_X
ClientSampleId :
BG0Q6

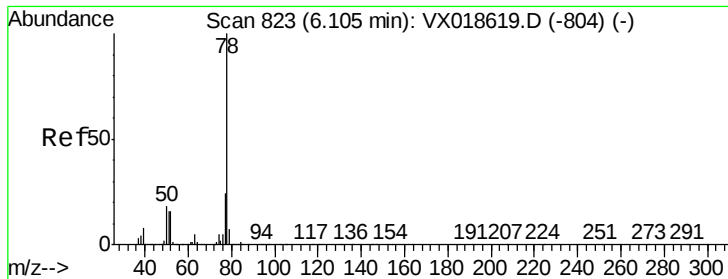
Tot Ion: 84 Resp: 2794
Ion Ratio Lower Upper
84 100
86 44.5 41.9 77.7
49 64.2 80.8 150.2#



#17
Methyl tert-butyl Ether
Concen: 0.723 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

Tgt Ion: 73 Resp: 23900
Ion Ratio Lower Upper
73 100
43 25.0 18.6 27.8
57 27.5 17.3 25.9#





#33

Benzene

Concen: 1.156 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

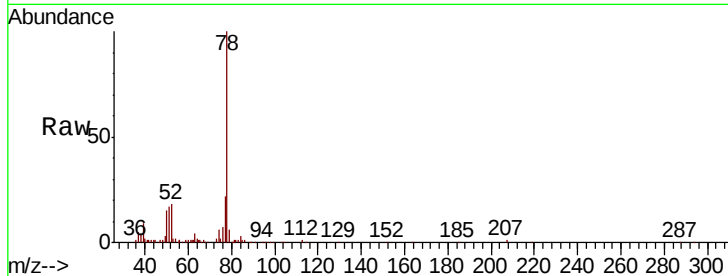
Instrument :

MSVOA_X

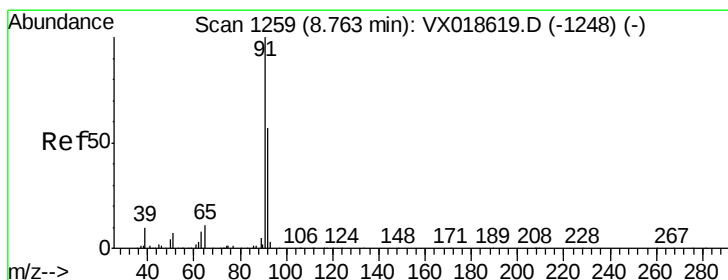
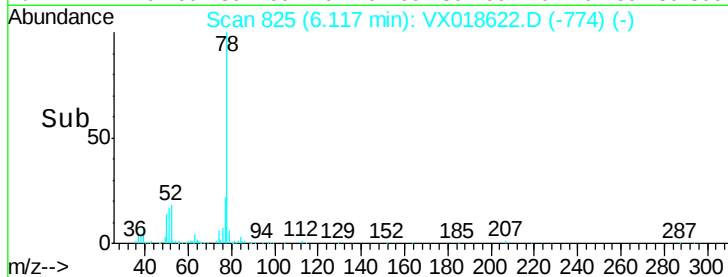
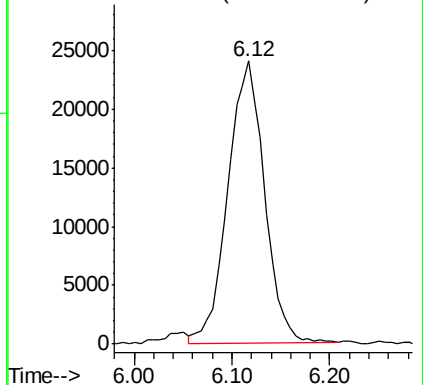
ClientSampleId :

BG0Q6

Tgt Ion: 78 Resp: 62013



Abundance Ion 78.10 (77.80 to 78.80): VX0



#42

Toluene

Concen: 0.402 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018622.D

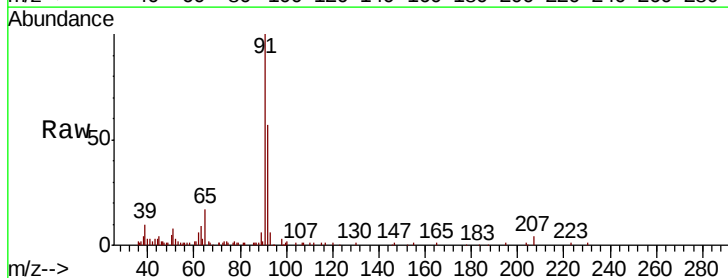
Acq: 28 Sep 2020 18:06

Tgt Ion: 91 Resp: 23327

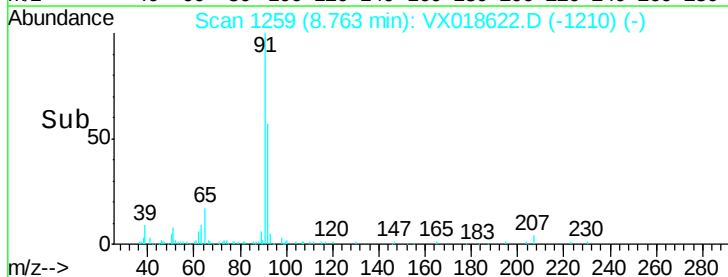
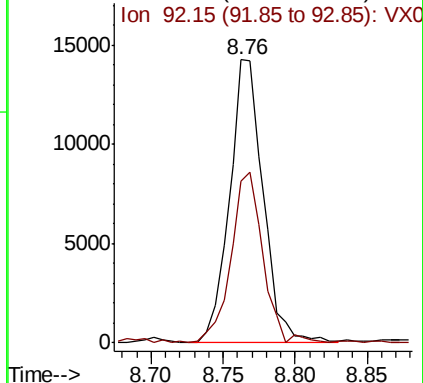
Ion Ratio Lower Upper

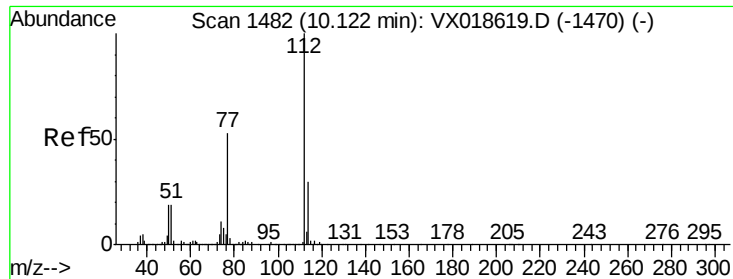
91 100

92 57.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0





#53

Chlorobenzene

Concen: 2.478 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

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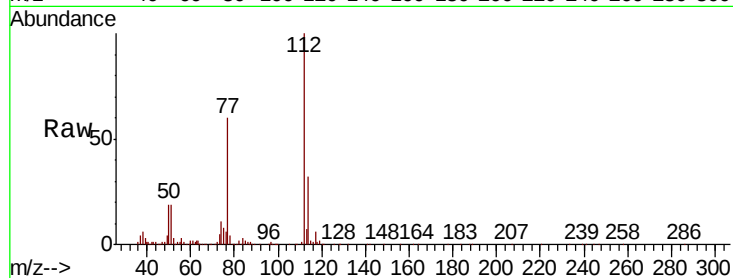
Tot Ion:112 Resp: 94894

Ion Ratio Lower Upper

112 100

114 32.4 20.6 38.4

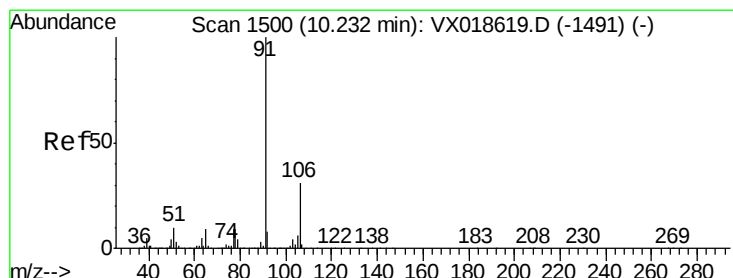
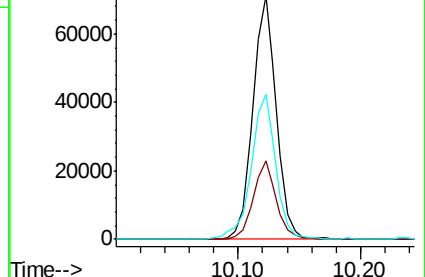
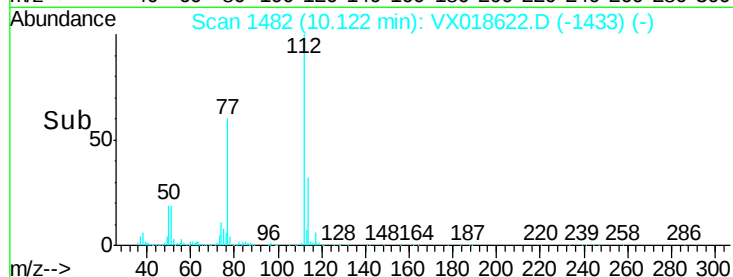
77 59.7 46.6 69.8



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: 0.083 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018622.D

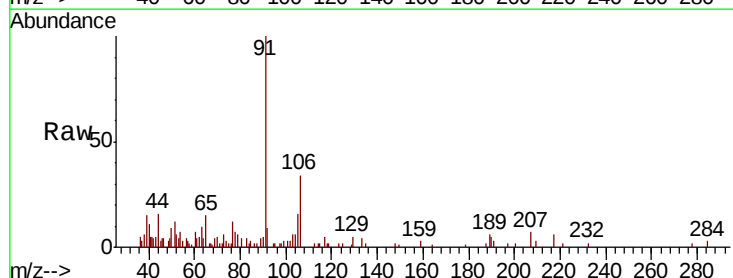
Acq: 28 Sep 2020 18:06

Tgt Ion: 91 Resp: 5229

Ion Ratio Lower Upper

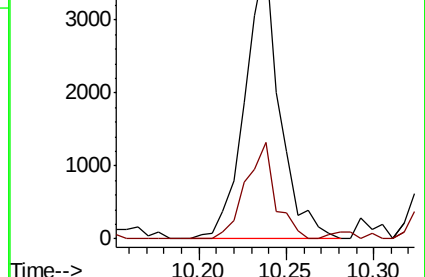
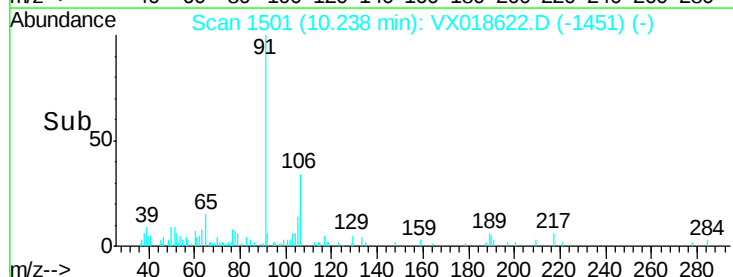
91 100

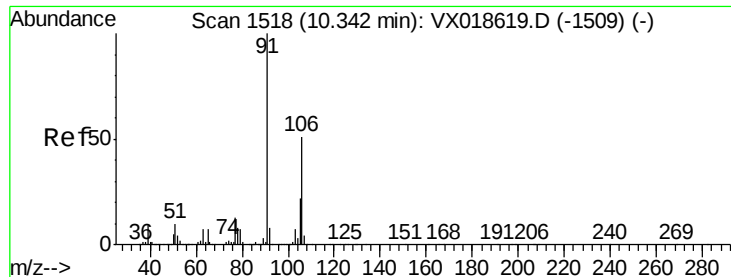
106 34.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.230 ug/L

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX018622.D

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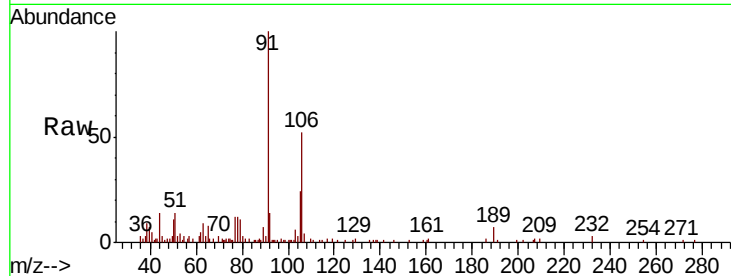
BG0Q6

Tot Ion:106 Resp: 5555

Ion Ratio Lower Upper

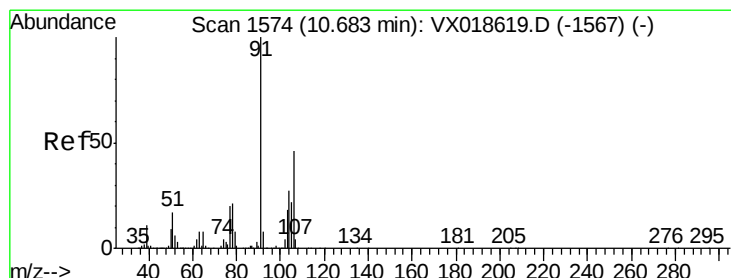
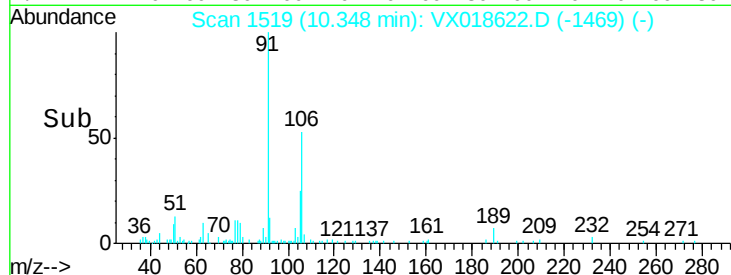
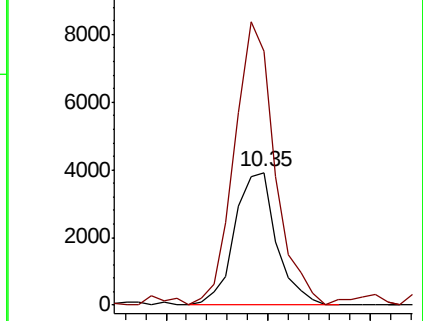
106 100

91 191.8 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.164 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018622.D

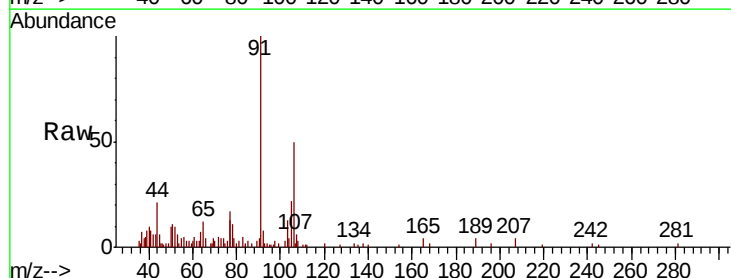
Acq: 28 Sep 2020 18:06

Tgt Ion:106 Resp: 3746

Ion Ratio Lower Upper

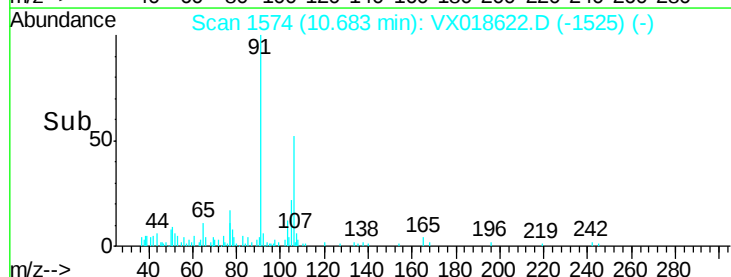
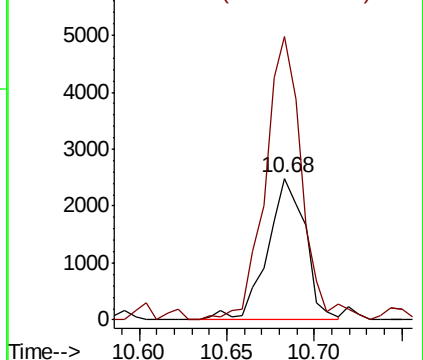
106 100

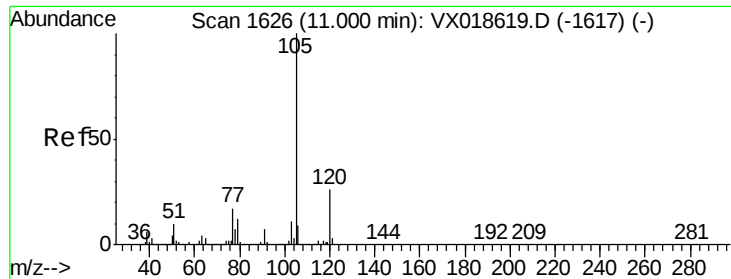
91 199.8 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.096 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

BG0Q6

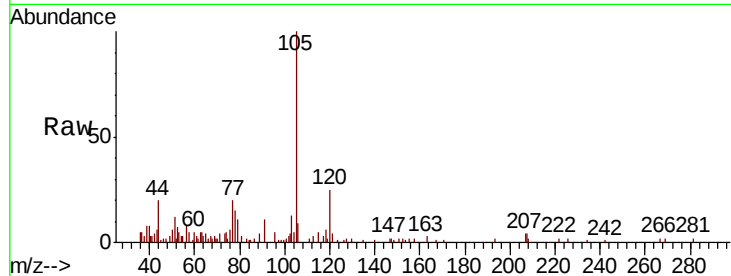
Tot Ion:105 Resp: 5869

Ion Ratio Lower Upper

105 100

120 31.4 21.2 31.8

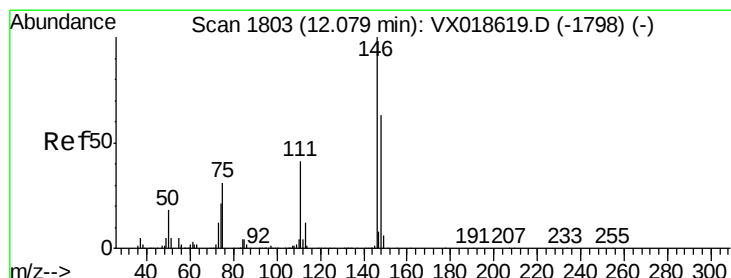
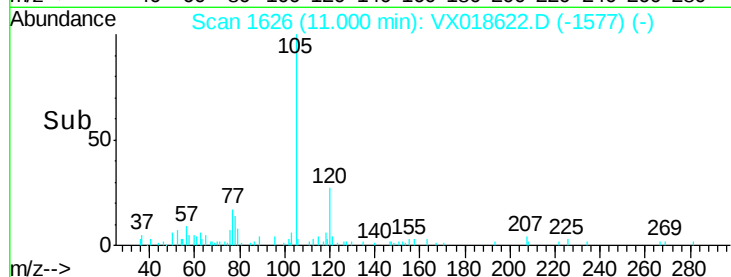
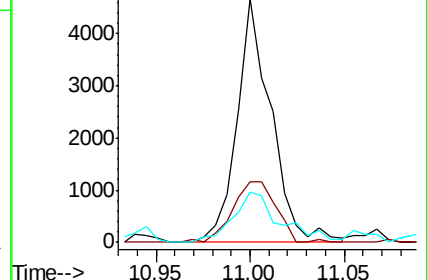
77 28.4 13.3 19.9#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#64

1,4-Dichlorobenzene

Concen: 0.316 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

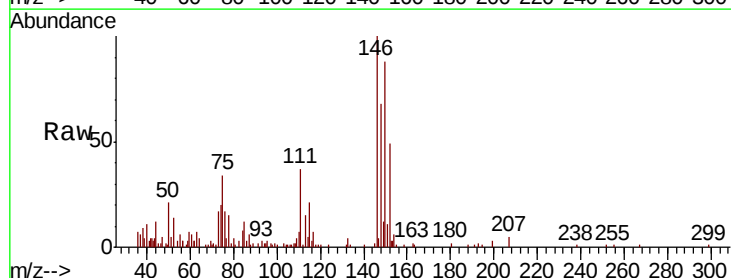
Tgt Ion:146 Resp: 9105

Ion Ratio Lower Upper

146 100

111 37.2 28.8 53.4

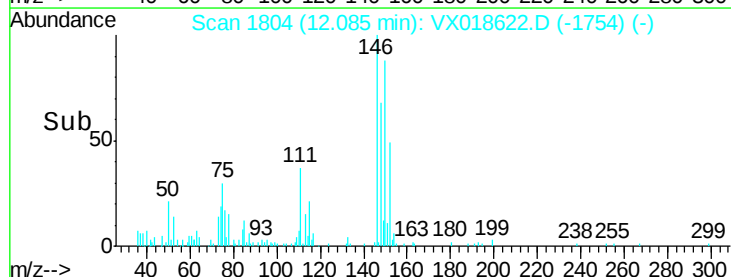
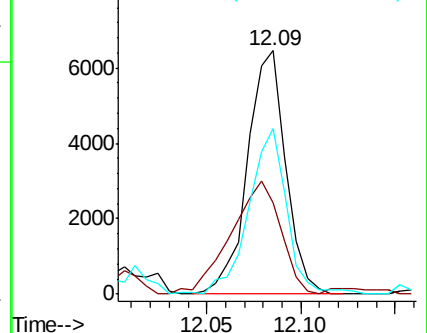
148 67.8 44.9 83.3

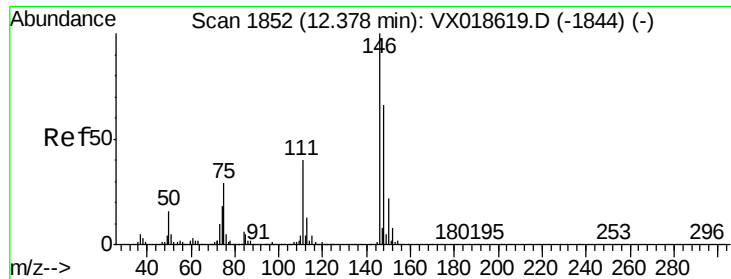


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

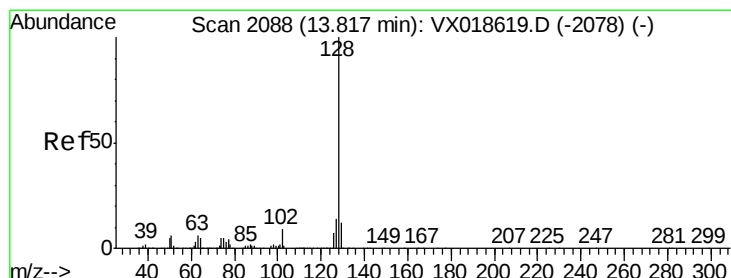
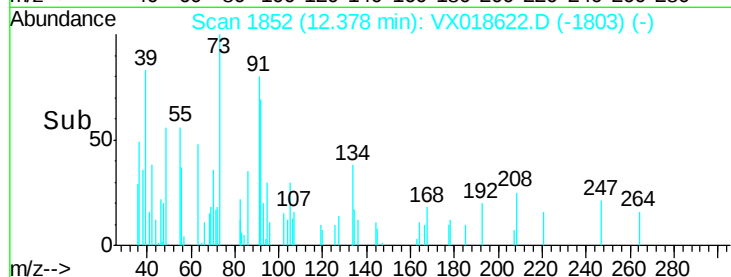
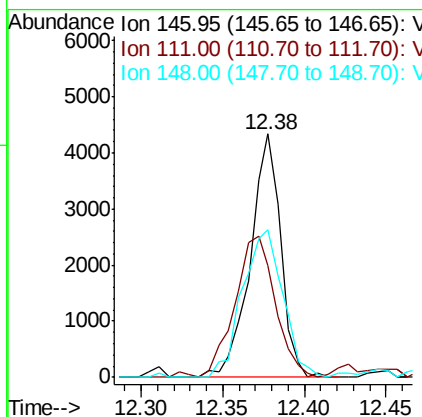
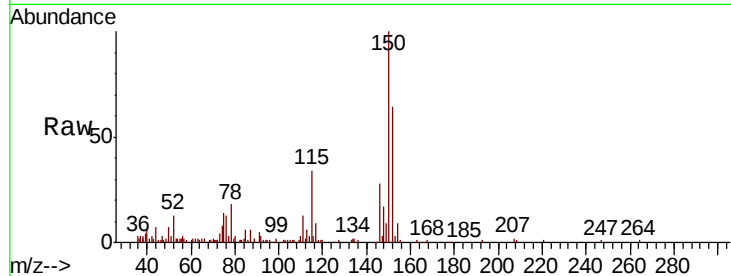




#66
 1,2-Dichlorobenzene
 Concen: 0.213 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018622.D
 Acq: 28 Sep 2020 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0Q6

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	33.6	50.4
148	60.8	53.4	80.2



#70
 Naphthalene
 Concen: 0.060 ug/L
 RT: 13.82 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VX018622.D
 Acq: 28 Sep 2020 18:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	38.2	8.8	13.2#
127	19.9	10.7	16.1#

