

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092920\
 Data File : VX018684.D
 Acq On : 30 Sep 2020 02:45
 Operator : JC/SP
 Sample : L4135-17DL 200X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 07:14:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 07:04:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	230988	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	222694	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	101032	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48627	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.70	69	44918	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.34	63	92461	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.56	46	159181	51.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.30%
24) Chloroform-d	5.14	84	132990	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	6.03	65	76377	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	6.05	84	232094	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	7.37	67	70849	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	8.70	98	207382	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
45) trans-1,3-Dichloropropene-	8.99	79	30149	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
48) 2-Hexanone-d5	9.43	63	127193	50.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.96%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	57791	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	80778	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
3) Chloromethane	1.31	50	958	0.080	ug/L #	49
5) Vinyl chloride	1.39	62	4170	0.333	ug/L	85
12) 1,1-Dichloroethene	2.35	96	1699	0.151	ug/L #	1
13) Acetone	2.46	43	4473	2.622	ug/L	83
16) Methylene chloride	2.84	84	4596	0.298	ug/L	88
19) 1,1-Dichloroethane	3.67	63	2787	0.138	ug/L	93
21) 2-Butanone	4.65	43	1988	0.734	ug/L	90
22) cis-1,2-Dichloroethene	4.56	96	29501	2.508	ug/L #	97
27) 1,2-Dichloroethane	6.05	62	1859	0.133	ug/L	99
33) Benzene	6.11	78	555342	12.934	ug/L	100
37) 1,2-Dichloropropane	7.37	63	10386	0.907	ug/L #	90
39) cis-1,3-Dichloropropene	8.38	75	2416	0.149	ug/L	97
42) Toluene	8.77	91	1090053	23.504	ug/L	100
43) 1,3,5-Trimethylbenzene	11.49	105	5753	0.142	ug/L	89
44) 1,2,4-Trimethylbenzene	11.79	105	21224	0.523	ug/L	96
53) Chlorobenzene	10.12	112	30346	0.991	ug/L	98
54) Ethylbenzene	10.24	91	125494	2.484	ug/L	100

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ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 07:04:14 2020
Response via : Initial Calibration

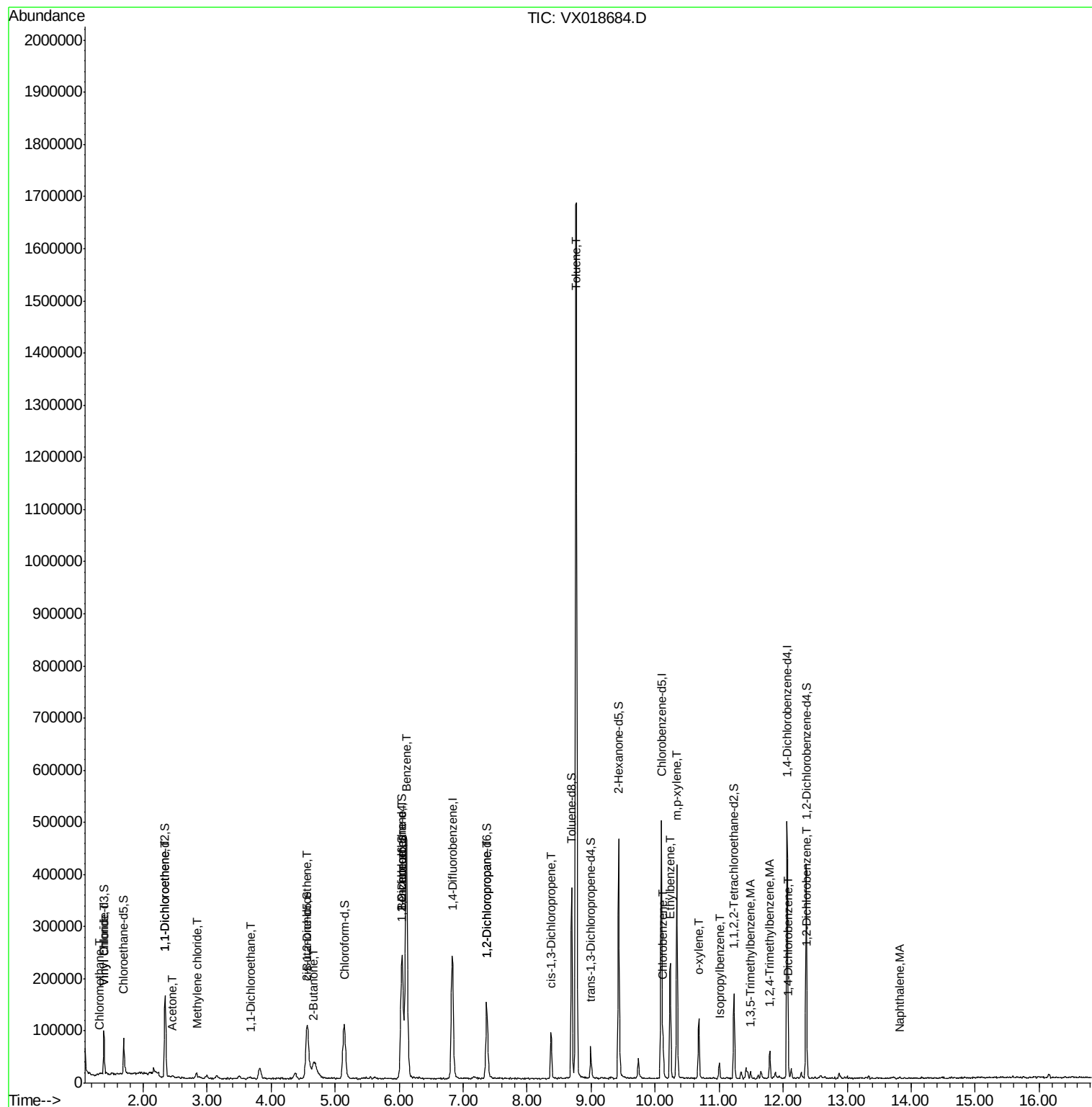
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	10.34	106	93325	4.831	ug/L	94
56) o-xylene	10.68	106	23603	1.293	ug/L	79
58) Isopropylbenzene	11.01	105	14461	0.296	ug/L	95
64) 1,4-Dichlorobenzene	12.09	146	2760	0.124	ug/L	90
66) 1,2-Dichlorobenzene	12.38	146	3293	0.161	ug/L #	84
70) Naphthalene	13.82	128	2039	0.089	ug/L #	89

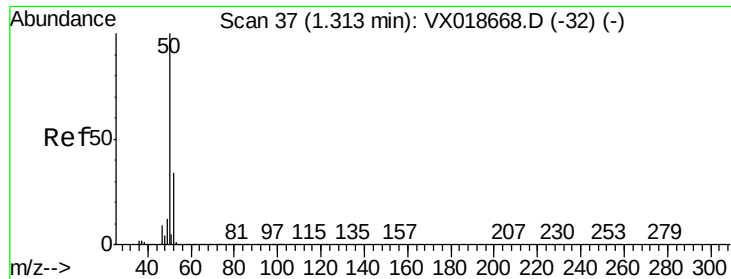
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

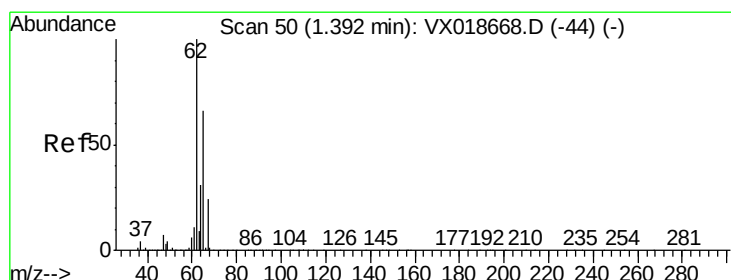
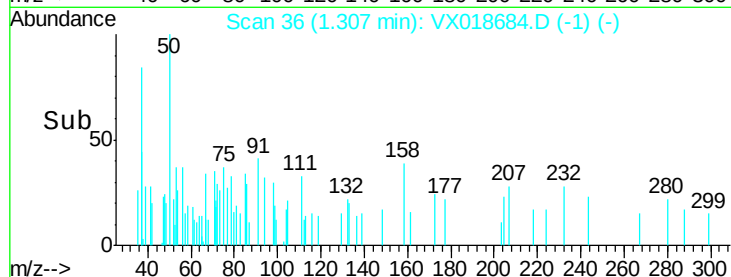
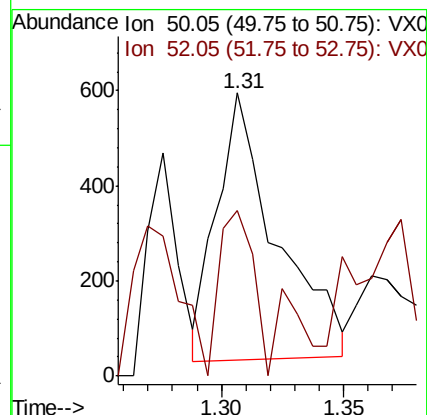
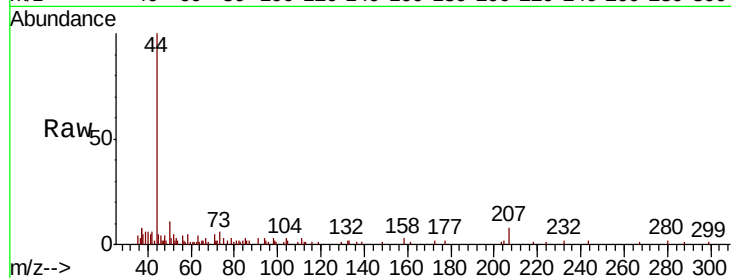
ClientSampleId :

Tot Ion: 50 Resp: 958

Ion Ratio Lower Upper

50 100

52 58.3 21.2 39.4#



#5

Vinyl chloride

Concen: 0.333 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018684.D

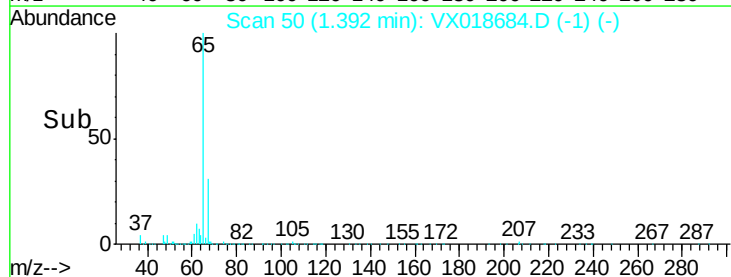
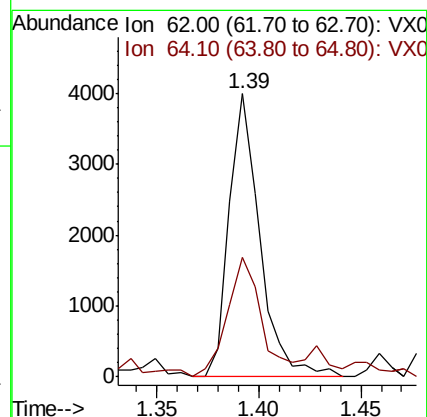
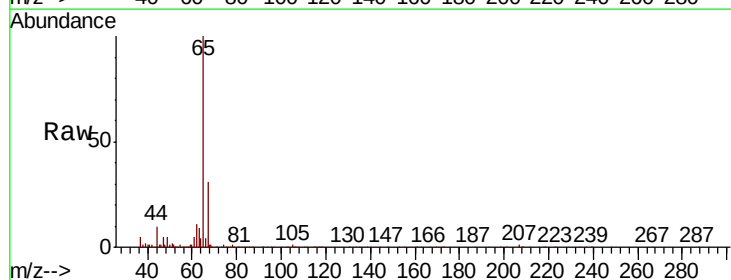
Acq: 30 Sep 2020 02:45

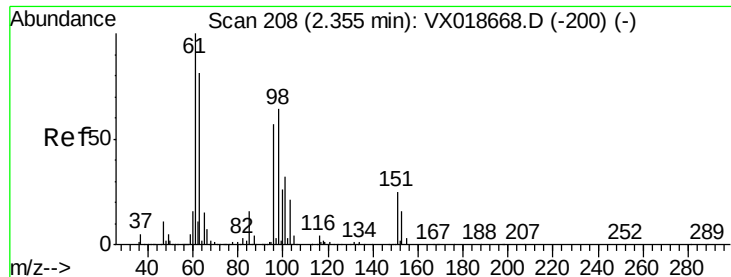
Tgt Ion: 62 Resp: 4170

Ion Ratio Lower Upper

62 100

64 42.4 23.6 43.8





#12

1,1-Dichloroethene

Concen: 0.151 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

ClientSampleId :

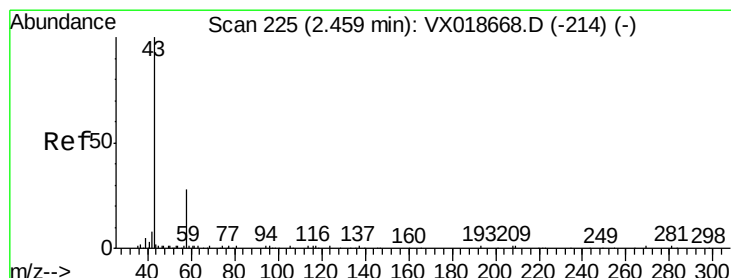
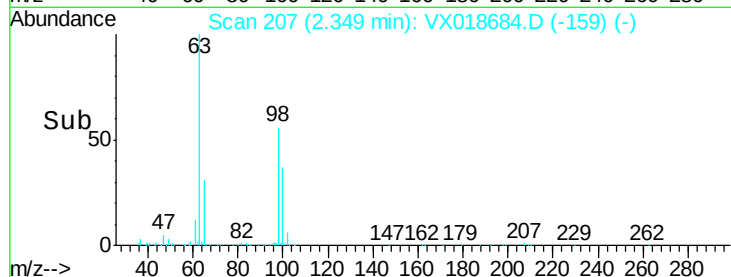
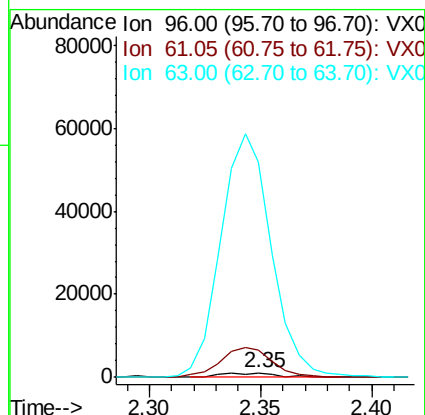
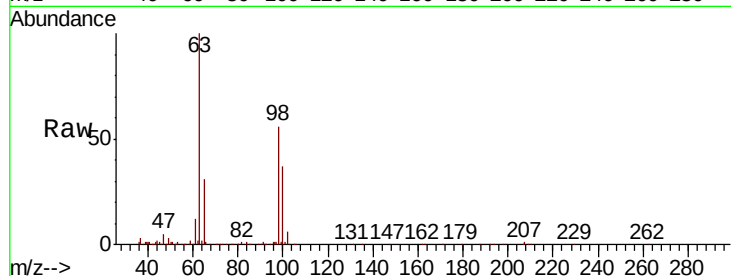
Tot Ion: 96 Resp: 1699

Ion Ratio Lower Upper

96 100

61 579.3 123.8 229.8#

63 4649.9 104.7 194.4#



#13

Acetone

Concen: 2.622 ug/L

RT: 2.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX018684.D

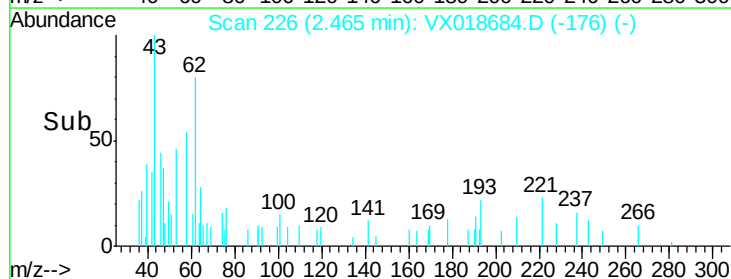
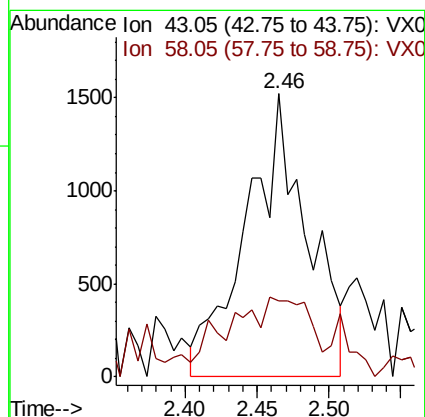
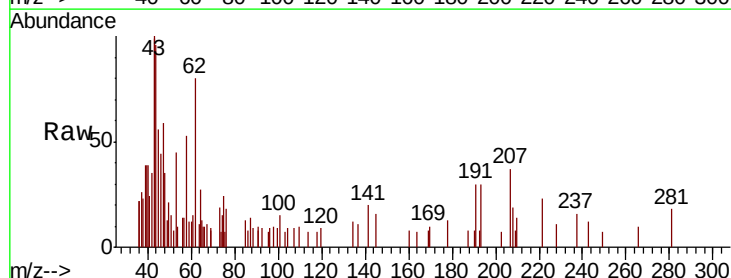
Acq: 30 Sep 2020 02:45

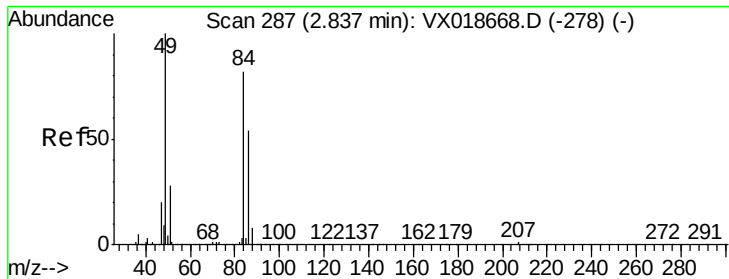
Tgt Ion: 43 Resp: 4473

Ion Ratio Lower Upper

43 100

58 40.2 0.0 61.6

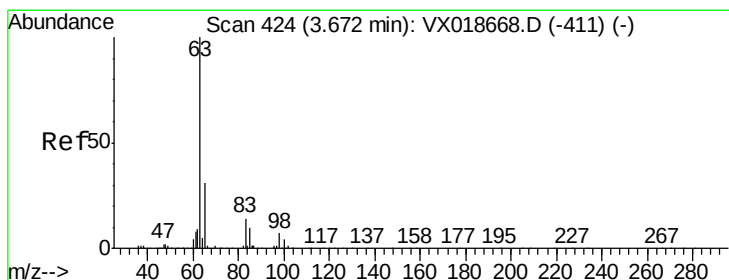
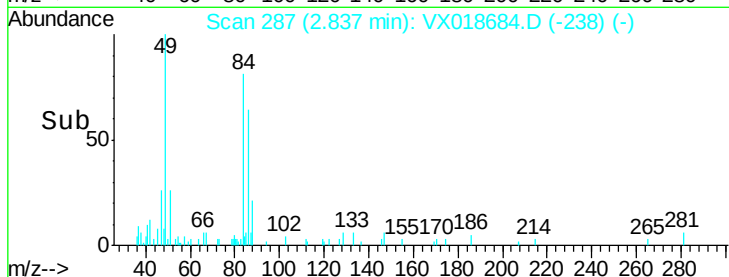
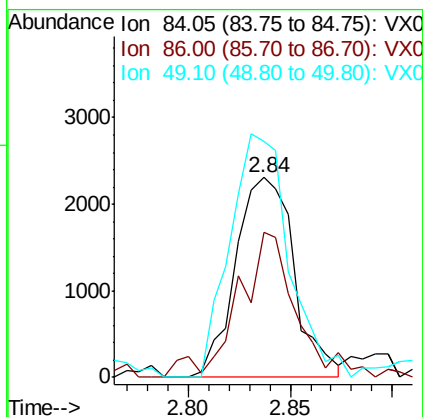
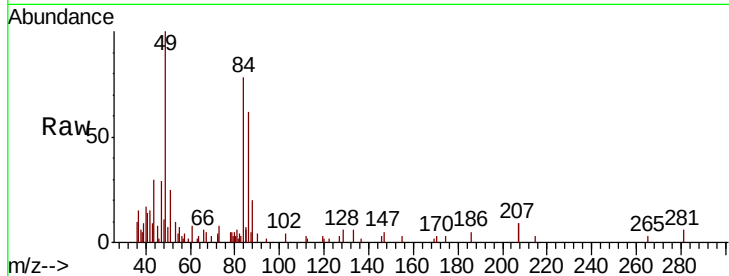




#16
Methylene chloride
Concen: 0.298 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018684.D
Acq: 30 Sep 2020 02:45

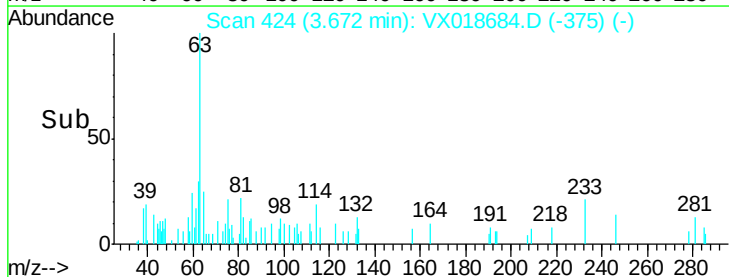
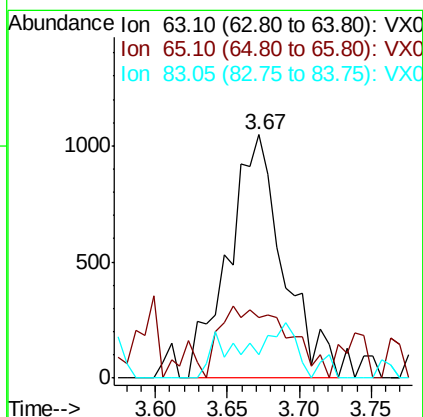
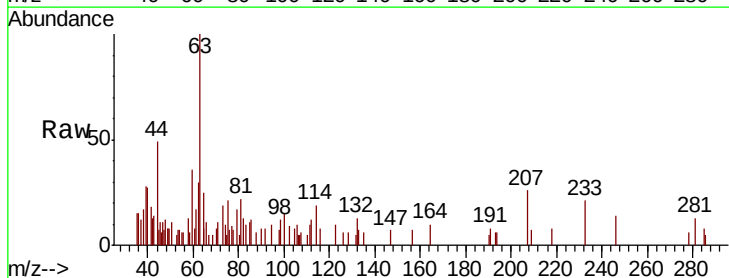
Instrument :
MSVOA_X
ClientSampleId :

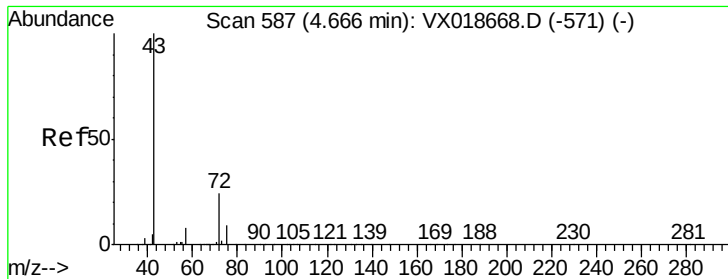
Tot Ion: 84 Resp: 4596
Ion Ratio Lower Upper
84 100
86 72.8 41.9 77.7
49 126.1 80.8 150.2



#19
1,1-Dichloroethane
Concen: 0.138 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX018684.D
Acq: 30 Sep 2020 02:45

Tgt Ion: 63 Resp: 2787
Ion Ratio Lower Upper
63 100
65 36.4 22.7 42.1
83 9.9 9.3 17.3





#21

2-Butanone

Concen: 0.734 ug/L

RT: 4.65 min Scan# 584

Delta R.T. -0.02 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

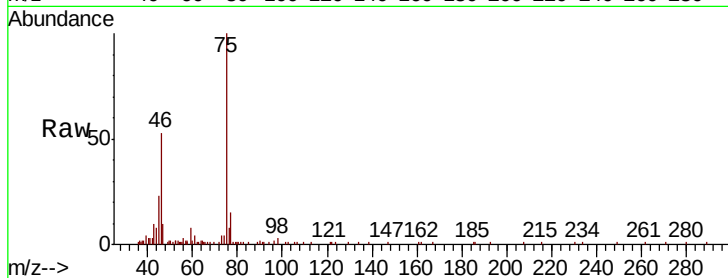
ClientSampled :

Tot Ion: 43 Resp: 1988

Ion Ratio Lower Upper

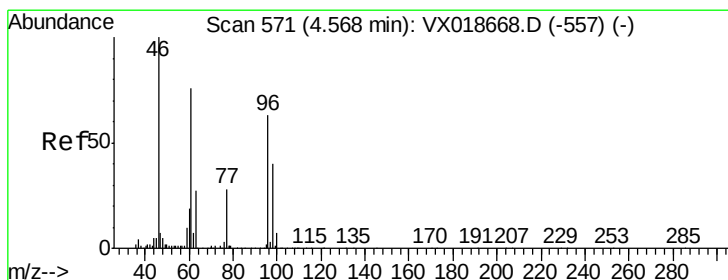
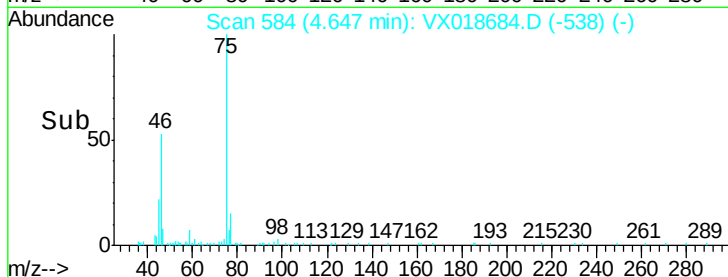
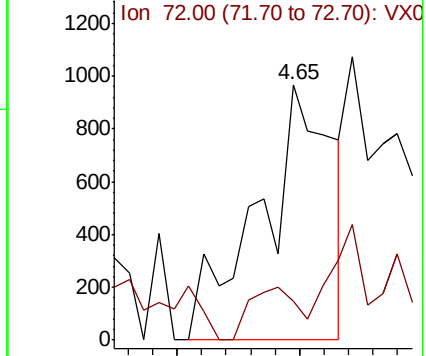
43 100

72 14.0 5.2 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 2.508 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

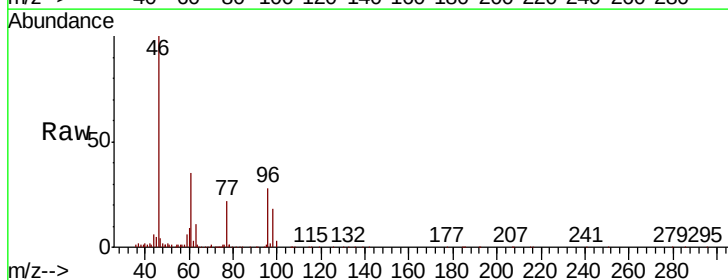
Tgt Ion: 96 Resp: 29501

Ion Ratio Lower Upper

96 100

61 128.3 87.7 162.9

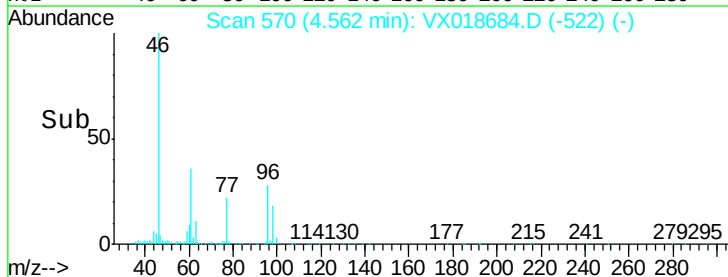
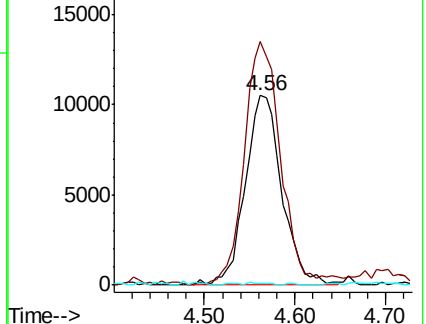
68 0.8 0.3 0.7#

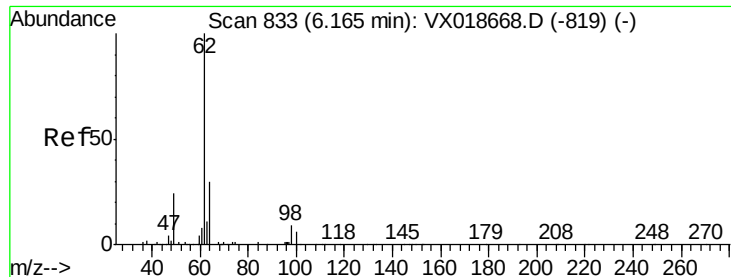


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0

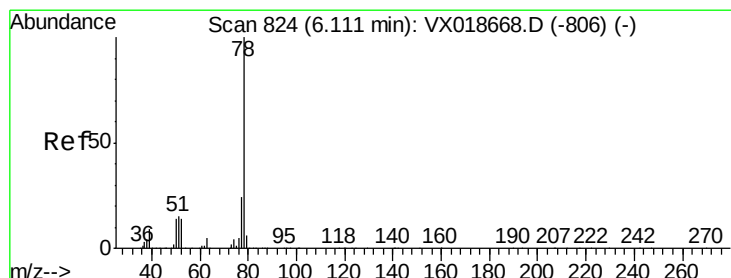
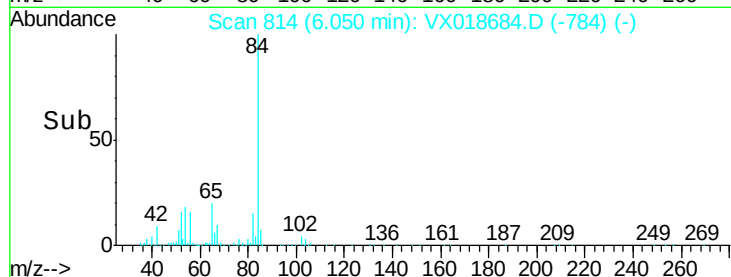
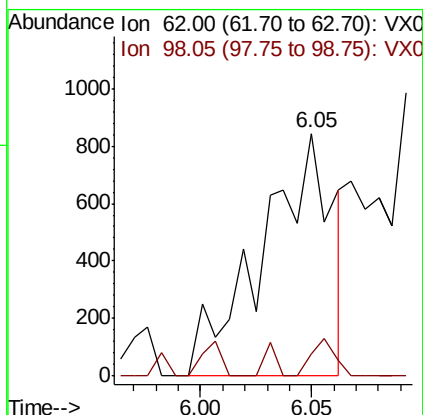
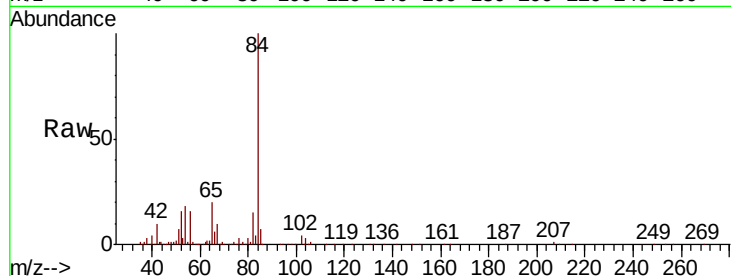




#27
 1,2-Dichloroethane
 Concen: 0.133 ug/L
 RT: 6.05 min Scan# 814
 Delta R.T. -0.12 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

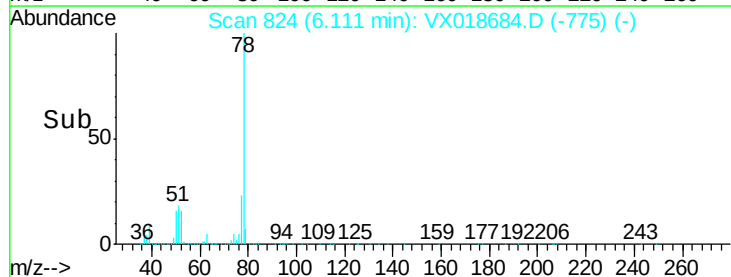
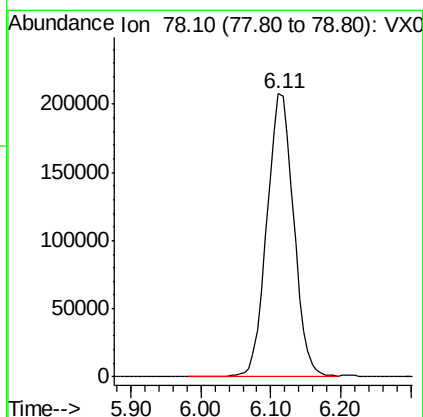
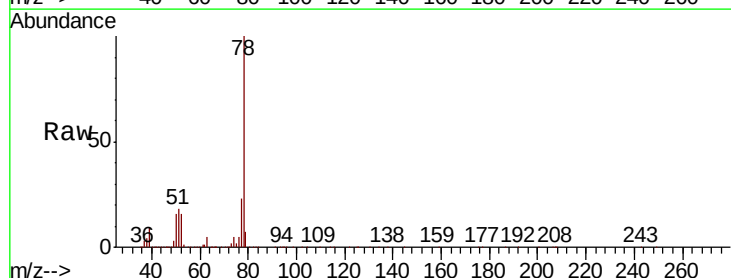
Instrument :
 MSVOA_X
 ClientSampleId :

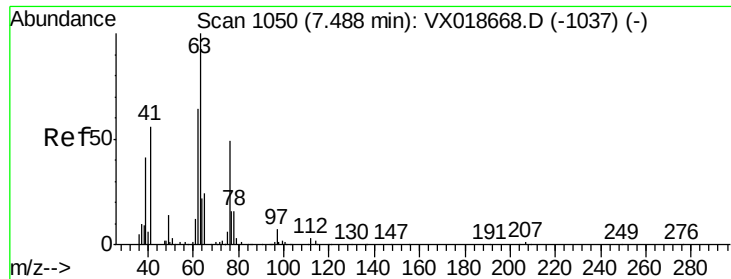
Tot Ion: 62 Resp: 1859
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.0 10.4



#33
 Benzene
 Concen: 12.934 ug/L
 RT: 6.11 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

Tgt Ion: 78 Resp: 555342

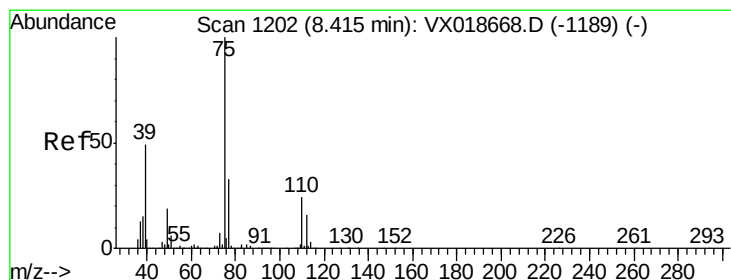
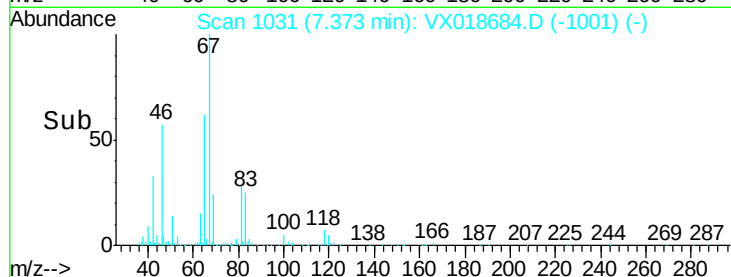
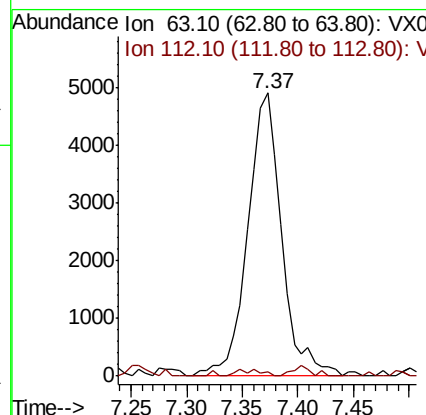
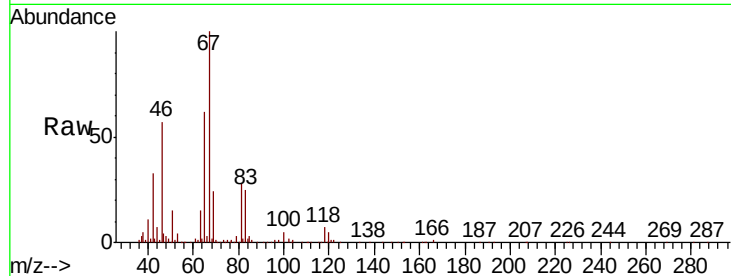




#37
 1,2-Dichloropropane
 Concen: 0.907 ug/L
 RT: 7.37 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

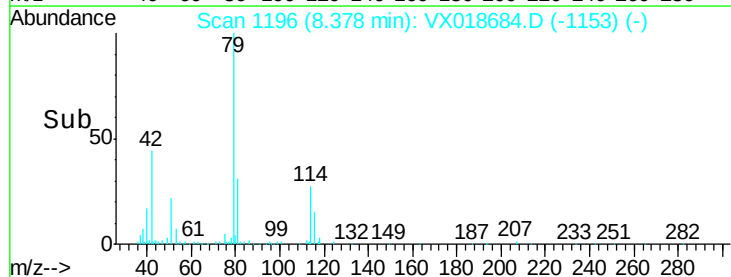
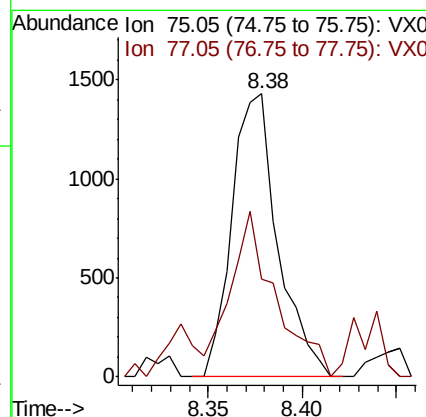
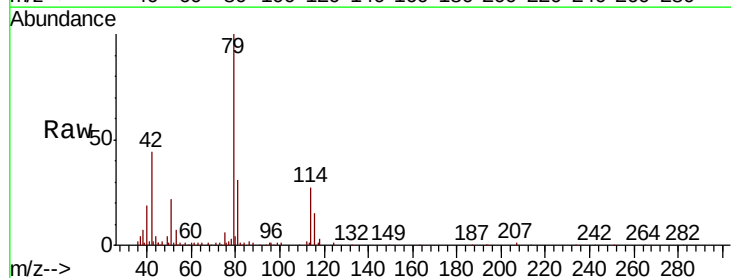
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 ClientSampled :

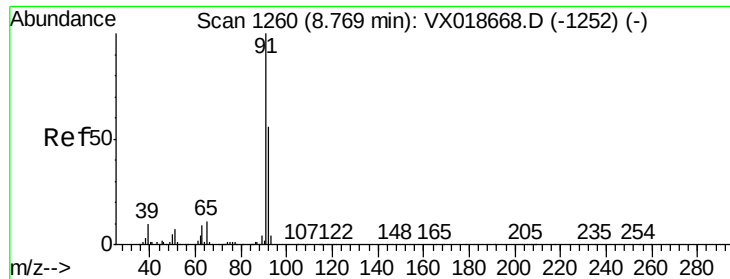
Tot Ion: 63 Resp: 10386
 Ion Ratio Lower Upper
 63 100
 112 1.6 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.149 ug/L
 RT: 8.38 min Scan# 1196
 Delta R.T. -0.04 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

Tgt Ion: 75 Resp: 2416
 Ion Ratio Lower Upper
 75 100
 77 34.4 23.0 42.8





#42

Toluene

Concen: 23.504 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

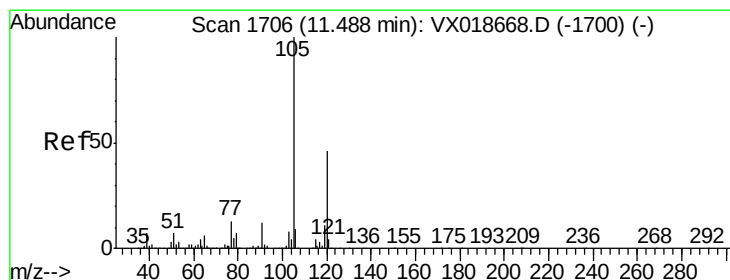
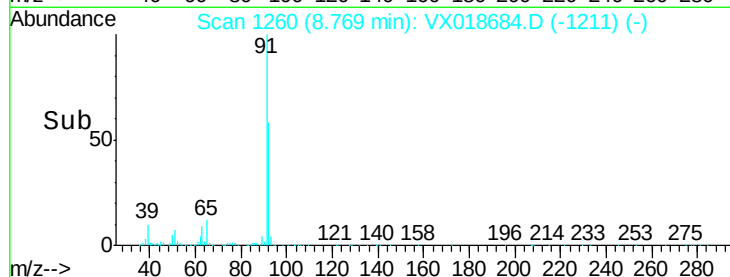
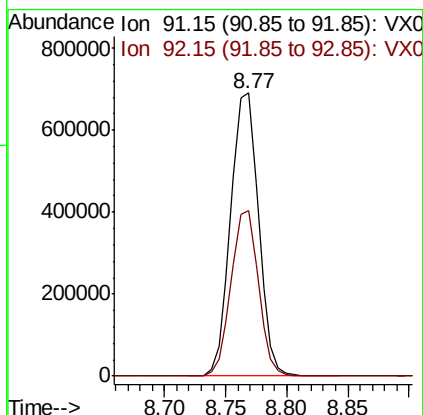
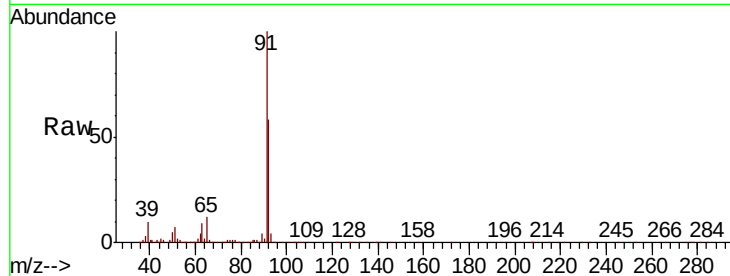
ClientSampleId :

Tot Ion: 91 Resp: 1090053

Ion Ratio Lower Upper

91 100

92 58.4 41.1 76.3



#43

1,3,5-Trimethylbenzene

Concen: 0.142 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX018684.D

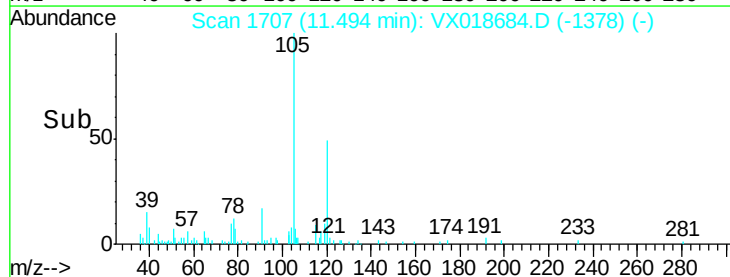
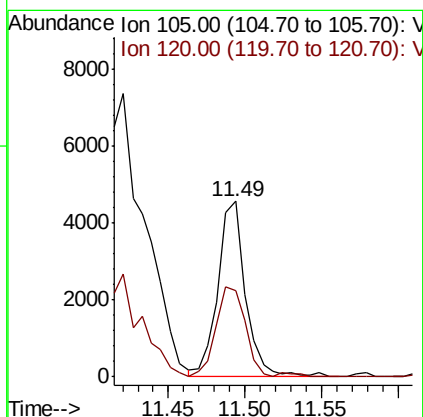
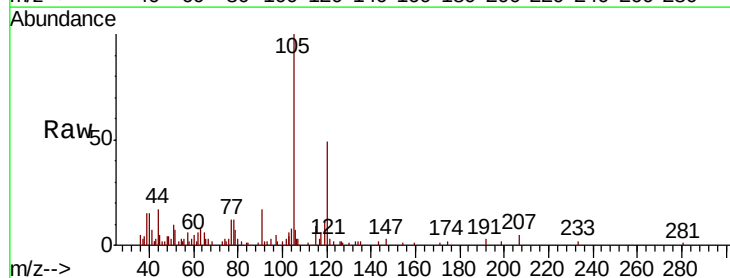
Acq: 30 Sep 2020 02:45

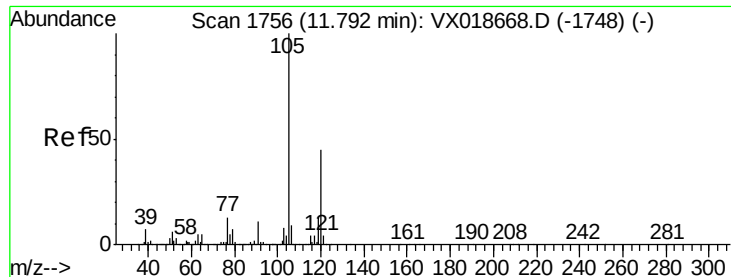
Tgt Ion: 105 Resp: 5753

Ion Ratio Lower Upper

105 100

120 54.0 37.2 55.8

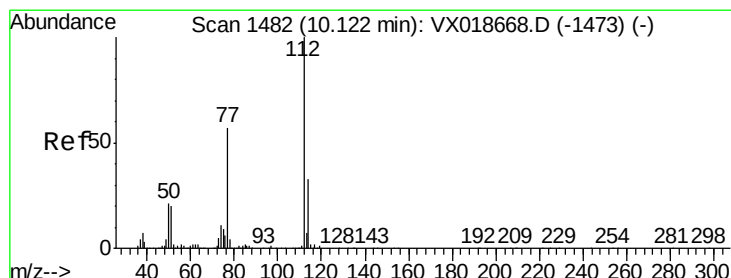
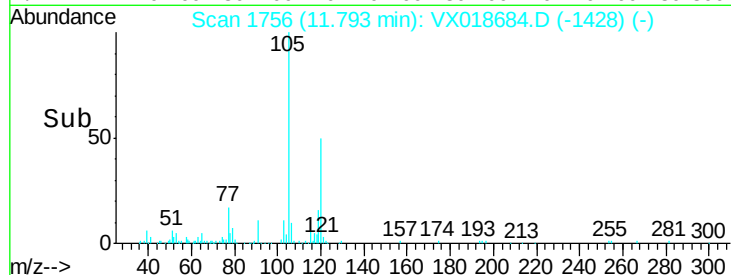
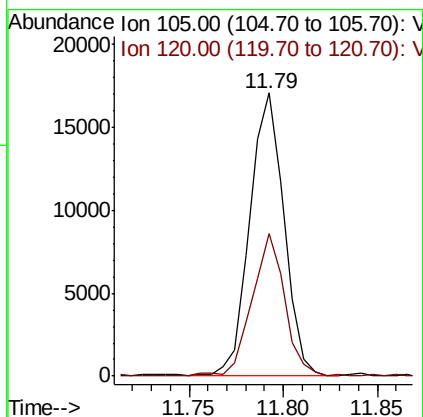
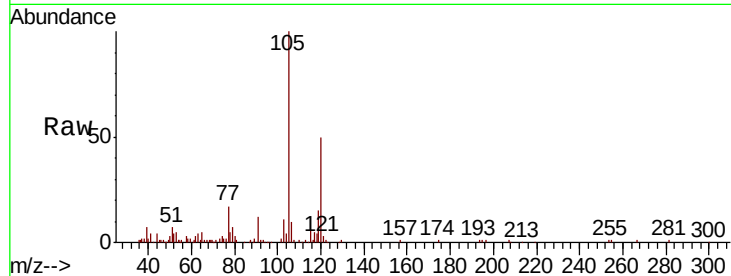




#44
 1,2,4-Trimethylbenzene
 Concen: 0.523 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

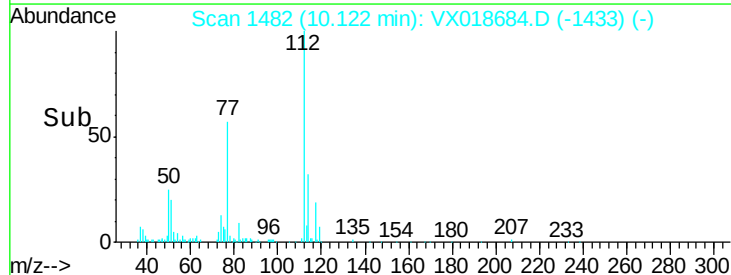
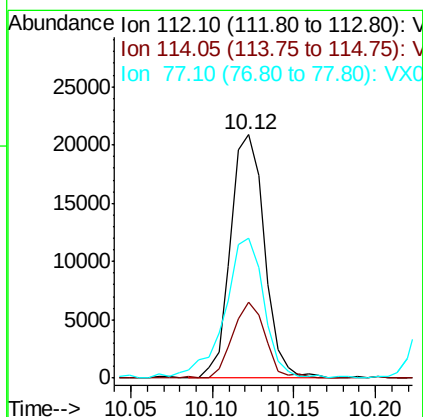
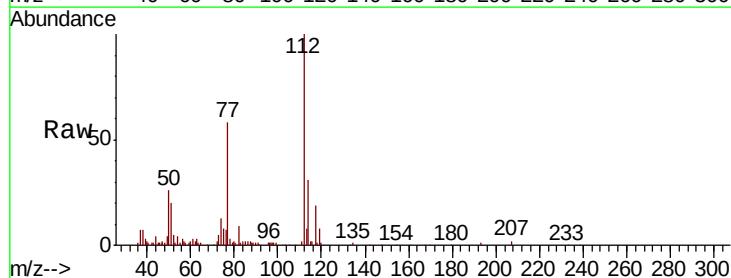
Instrument :
 MSVOA_X
 ClientSampleId :

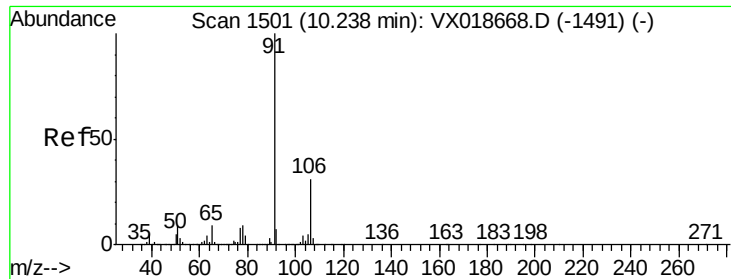
Tot Ion:105 Resp: 21224
 Ion Ratio Lower Upper
 105 100
 120 48.9 36.8 55.2



#53
 Chlorobenzene
 Concen: 0.991 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

Tgt Ion:112 Resp: 30346
 Ion Ratio Lower Upper
 112 100
 114 31.4 20.6 38.4
 77 57.6 46.6 69.8





#54

Ethylbenzene

Concen: 2.484 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

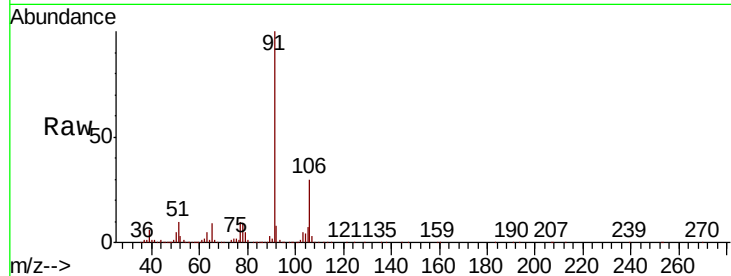
ClientSampleId :

Tot Ion: 91 Resp: 125494

Ion Ratio Lower Upper

91 100

106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V

150000

100000

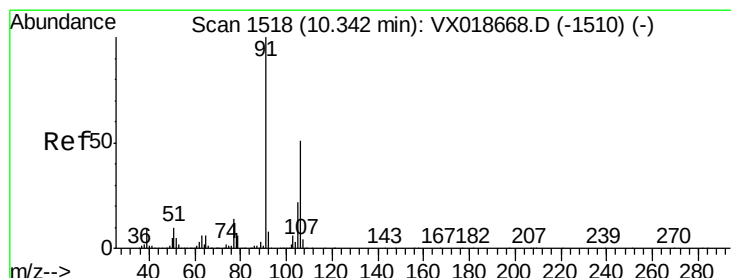
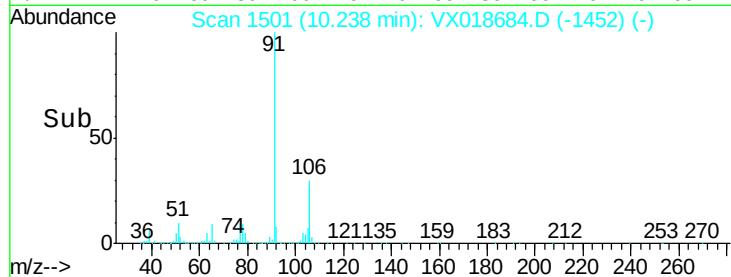
50000

0

10.20

10.30

Time-->



#55

m,p-xylene

Concen: 4.831 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018684.D

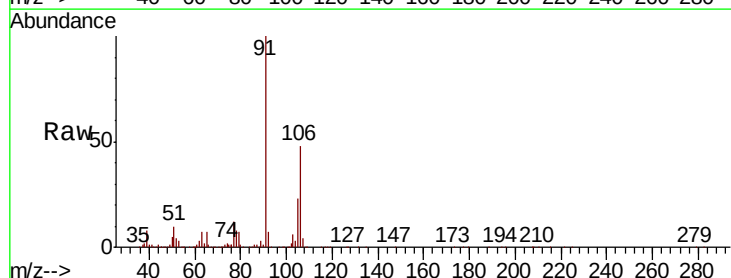
Acq: 30 Sep 2020 02:45

Tgt Ion: 106 Resp: 93325

Ion Ratio Lower Upper

106 100

91 208.9 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

150000

100000

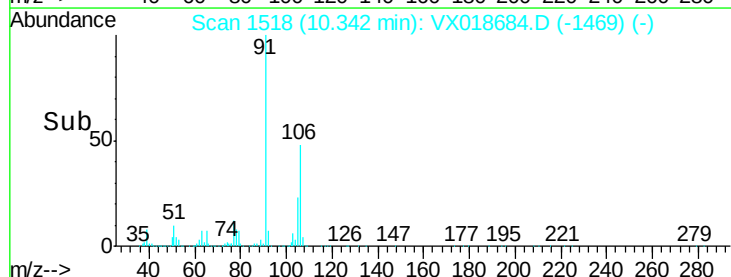
50000

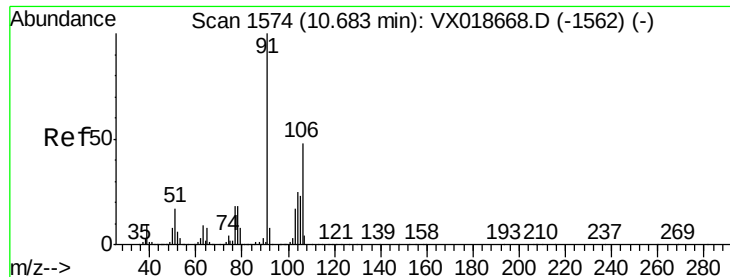
0

10.30

10.40

Time-->





#56

o-xylene

Concen: 1.293 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

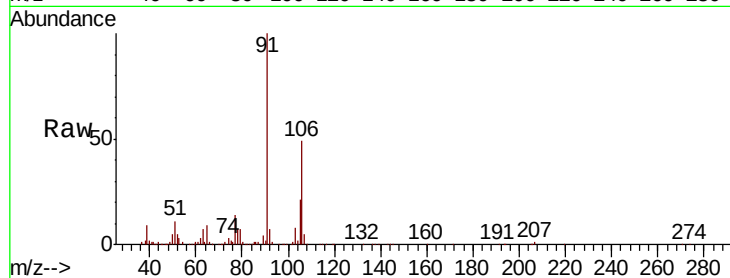
ClientSampleId :

Tot Ion:106 Resp: 23603

Ion Ratio Lower Upper

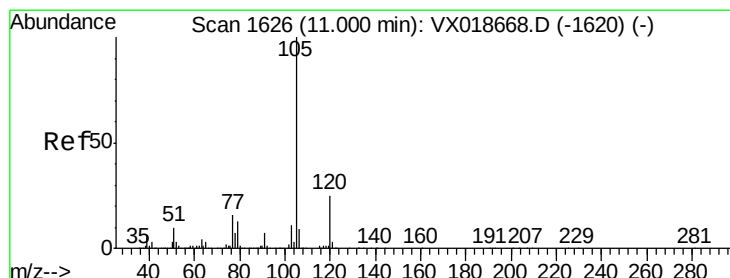
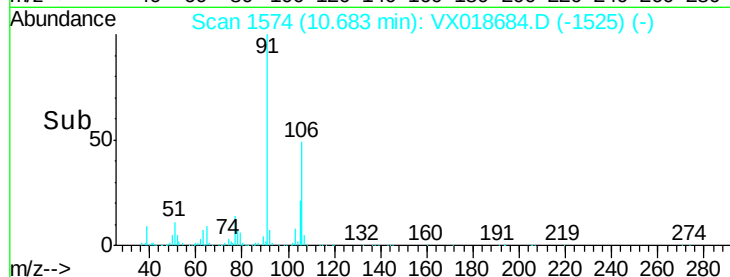
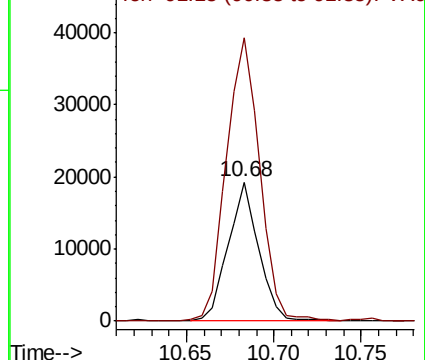
106 100

91 203.7 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#58

Isopropylbenzene

Concen: 0.296 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

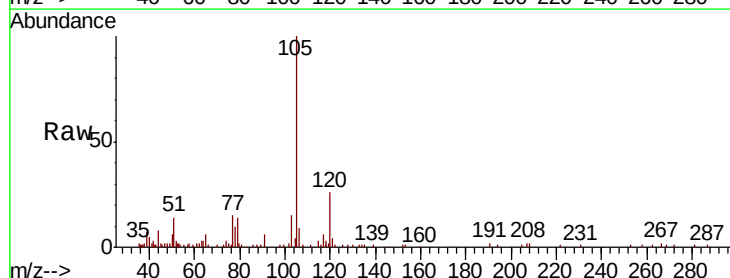
Tgt Ion:105 Resp: 14461

Ion Ratio Lower Upper

105 100

120 28.4 21.2 31.8

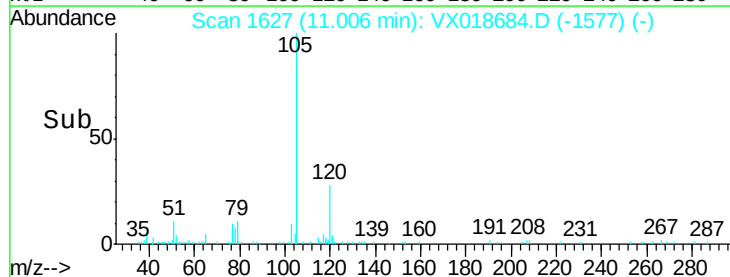
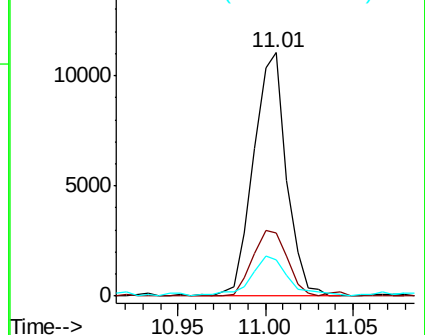
77 19.1 13.3 19.9

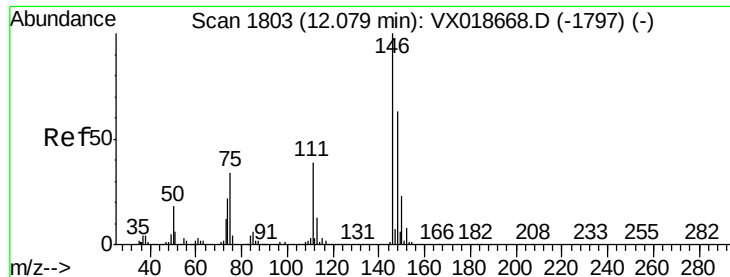


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0

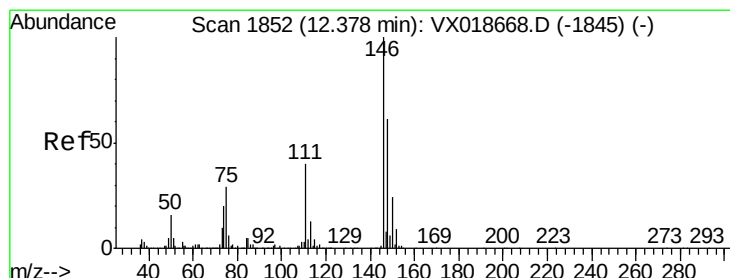
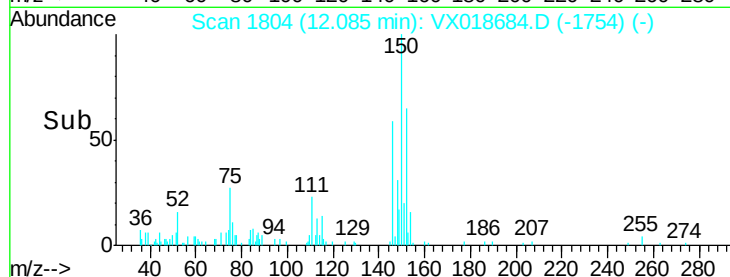
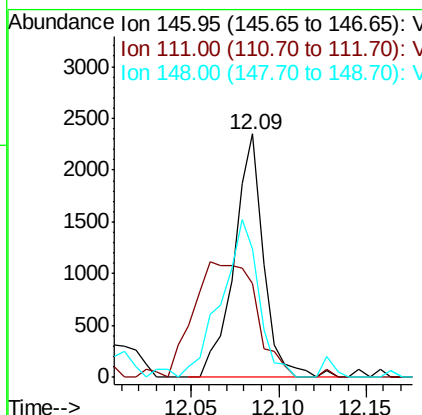
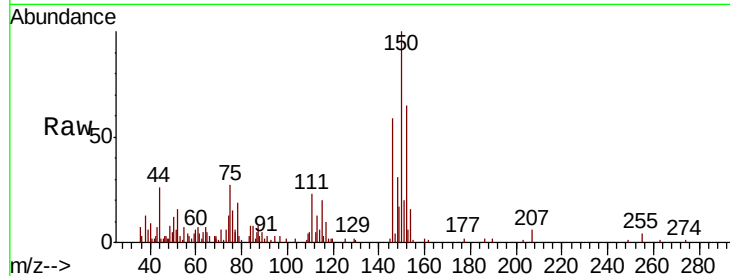




#64
 1,4-Dichlorobenzene
 Concen: 0.124 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

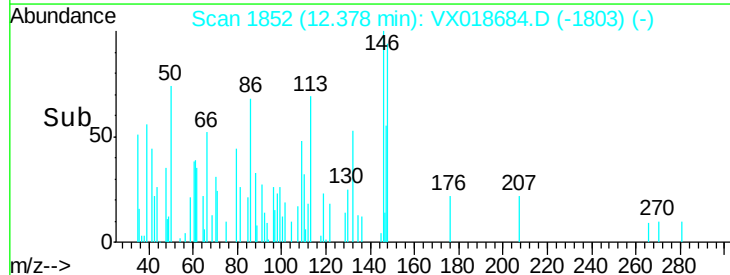
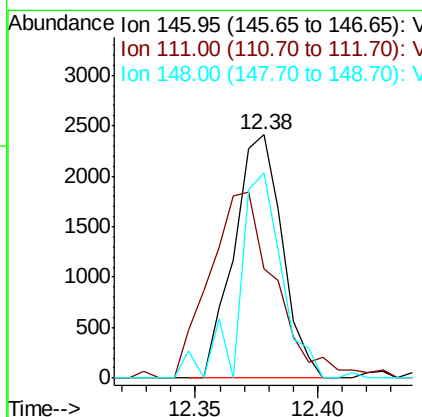
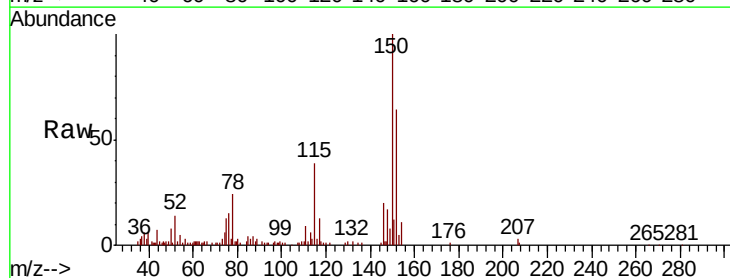
Instrument :
 MSVOA_X
 ClientSampleId :

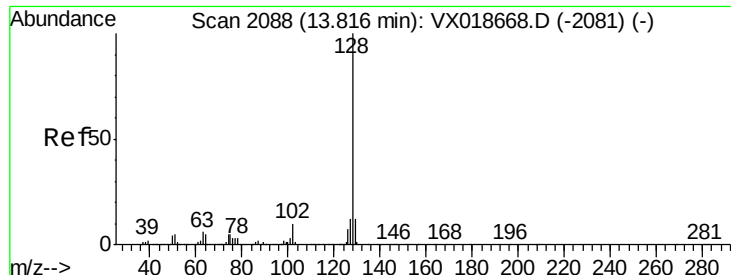
Tot Ion:146 Resp: 2760
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.8 53.4
 148 52.6 44.9 83.3



#66
 1,2-Dichlorobenzene
 Concen: 0.161 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

Tgt Ion:146 Resp: 3293
 Ion Ratio Lower Upper
 146 100
 111 45.1 33.6 50.4
 148 84.5 53.4 80.2#





#70

Naphthalene

Concen: 0.089 ug/L

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

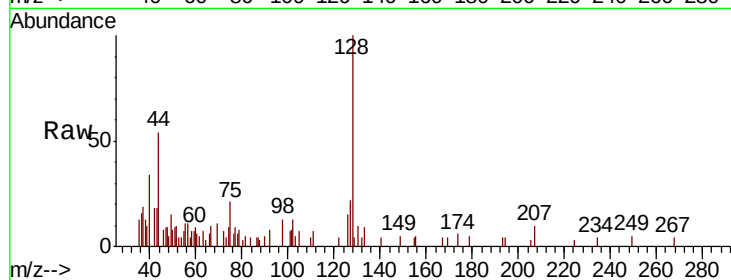
Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	128	Resp:	2039
Ion	Ratio	Lower	Upper
128	100		
129	3.7	8.8	13.2#
127	14.8	10.7	16.1

