

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
 Data File : VX018677.D
 Acq On : 29 Sep 2020 23:55
 Operator : JC/SP
 Sample : L4143-20
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 07:12:58 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	234108	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	225304	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	101761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49457	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.70	69	43197	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.34	63	86465	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.55	46	159753	51.14	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.28%
24) Chloroform-d	5.14	84	130426	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	6.03	65	74083	4.38	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	6.05	84	228824	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	7.37	67	71096	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	8.70	98	197689	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
45) trans-1,3-Dichloropropene-	8.99	79	27270	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
48) 2-Hexanone-d5	9.43	63	116622	46.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.42%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	55869	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	78363	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

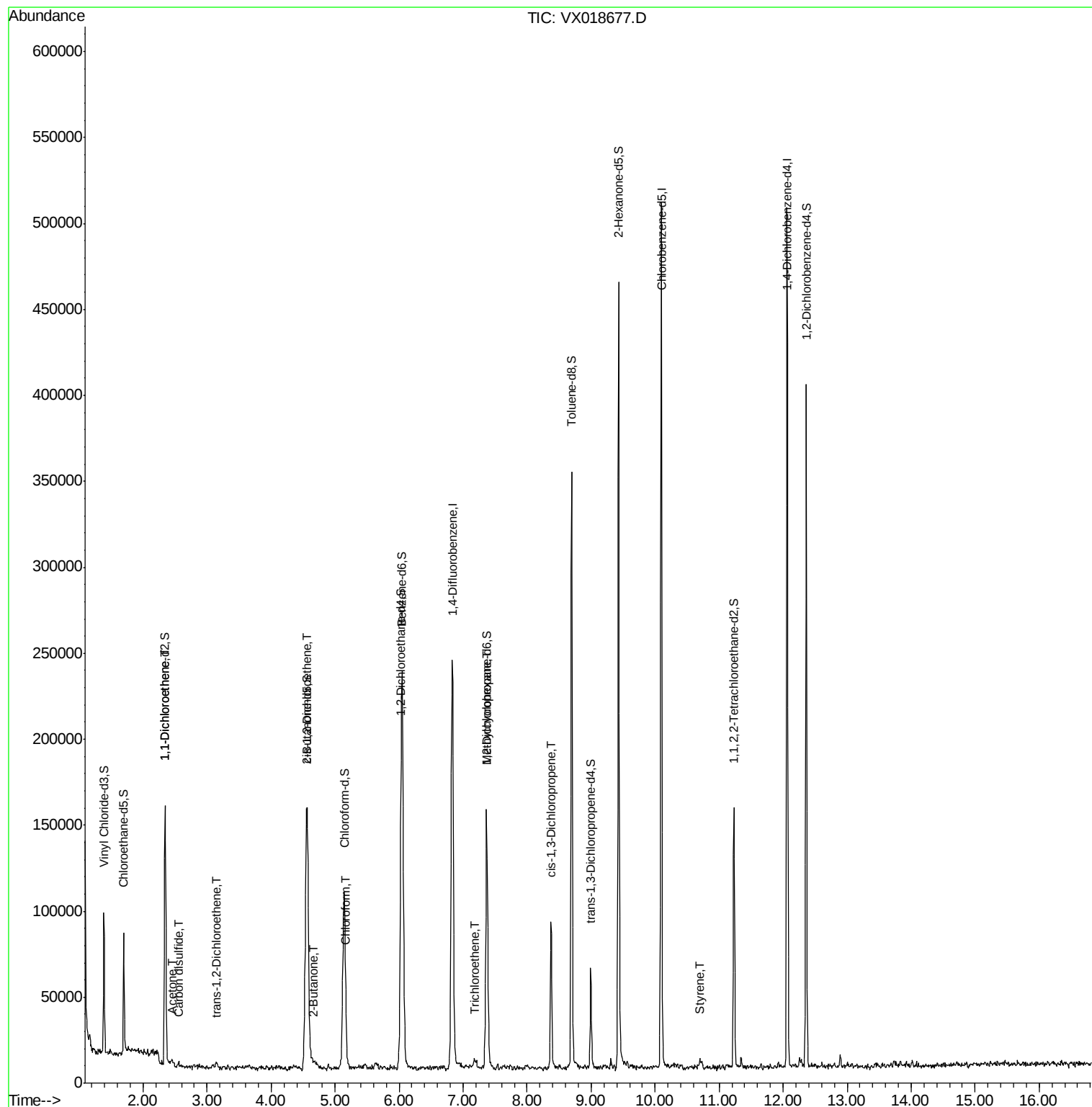
					Ovalue
12) 1,1-Dichloroethene	2.35	96	1279	0.112 ug/L #	1
13) Acetone	2.45	43	6416	3.711 ug/L	94
14) Carbon disulfide	2.56	76	2671	0.077 ug/L	99
18) trans-1,2-Dichloroethene	3.15	96	1320	0.116 ug/L	78
21) 2-Butanone	4.66	43	2757	1.005 ug/L #	70
22) cis-1,2-Dichloroethene	4.57	96	56476	4.738 ug/L #	97
25) Chloroform	5.17	83	2125	0.095 ug/L	88
34) Trichloroethene	7.18	95	1760	0.140 ug/L #	71
35) Methylcyclohexane	7.37	83	19770	1.131 ug/L #	16
39) cis-1,3-Dichloropropene	8.38	75	3372	0.205 ug/L	97
57) Styrene	10.70	104	2299	0.075 ug/L #	65

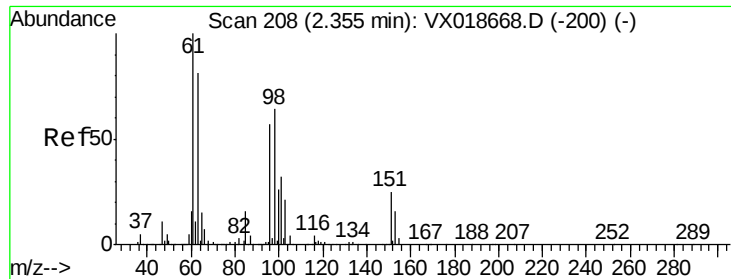
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.35 min Scan# 207

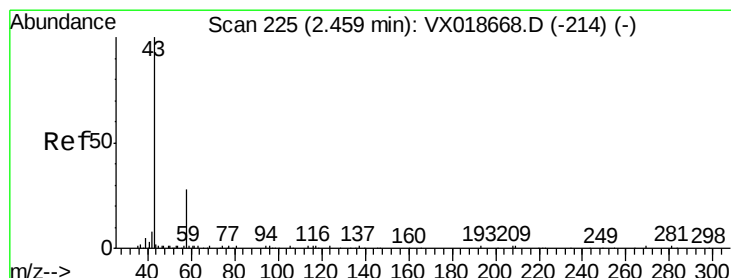
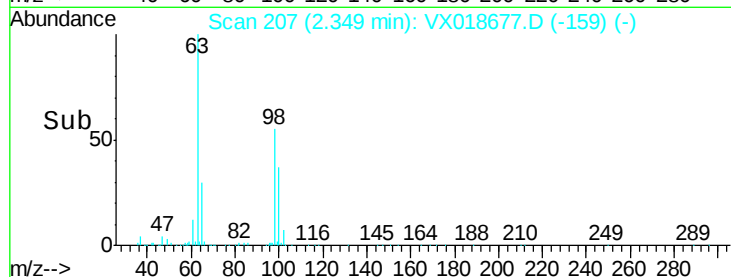
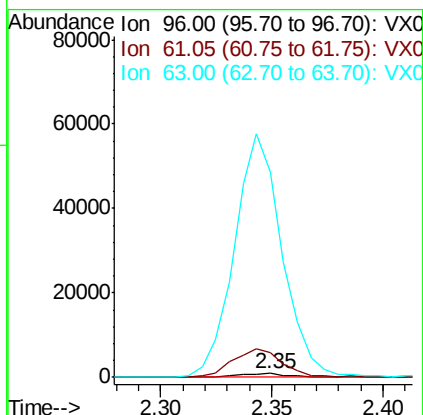
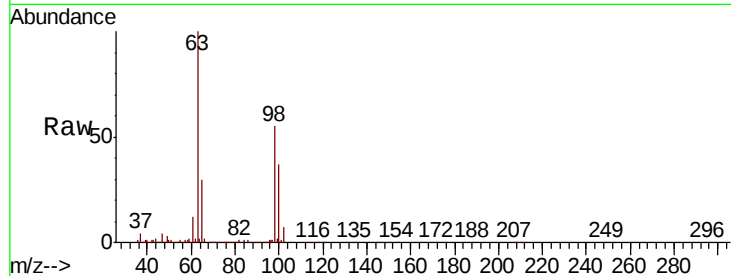
Delta R.T. -0.01 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 1279
Ion Ratio Lower Upper
96 100
61 631.5 123.8 229.8#
63 5206.0 104.7 194.4#



#13

Acetone

Concen: 3.711 ug/L

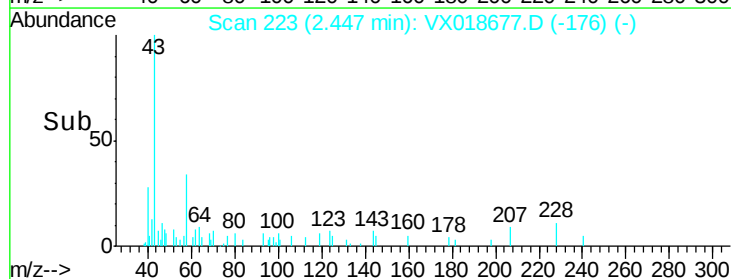
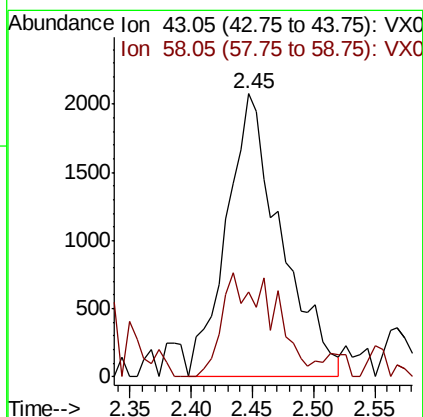
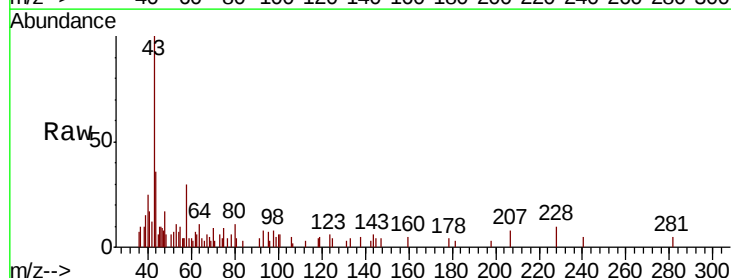
RT: 2.45 min Scan# 223

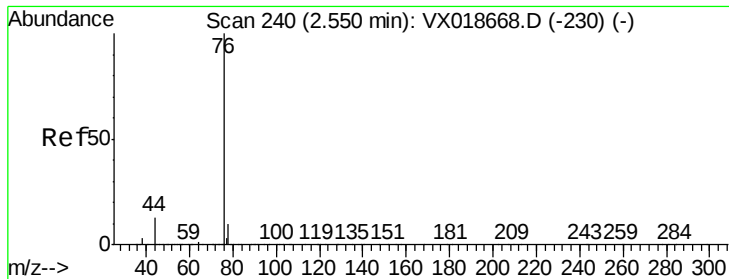
Delta R.T. -0.01 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

Tgt Ion: 43 Resp: 6416
Ion Ratio Lower Upper
43 100
58 34.2 0.0 61.6





#14

Carbon disulfide

Concen: 0.077 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

Instrument :

MSVOA_X

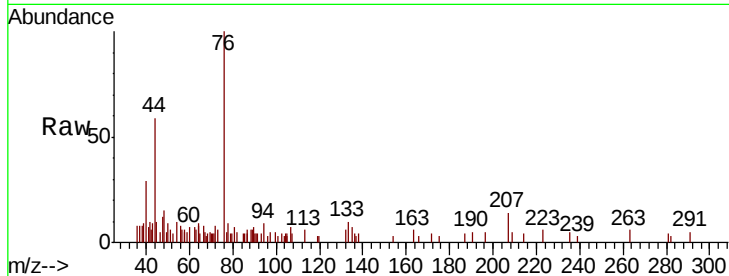
ClientSampleId :

Tot Ion: 76 Resp: 2671

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2000

1500

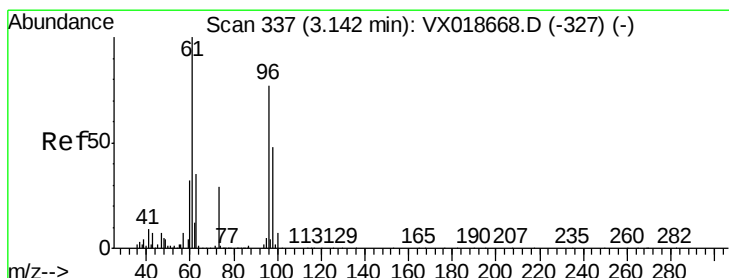
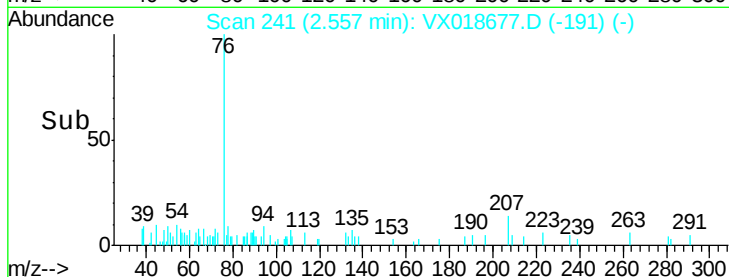
1000

500

0

2.50 2.55 2.60

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.116 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

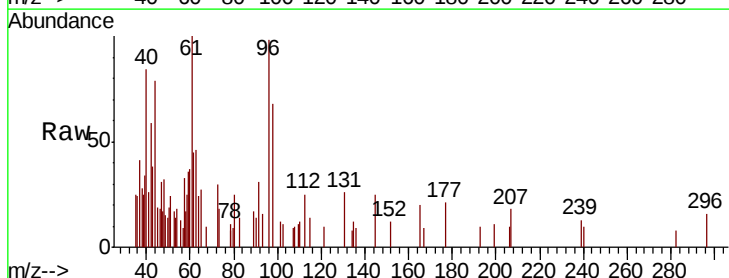
Tgt Ion: 96 Resp: 1320

Ion Ratio Lower Upper

96 100

61 101.8 97.3 180.7

98 69.3 46.6 86.6



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0

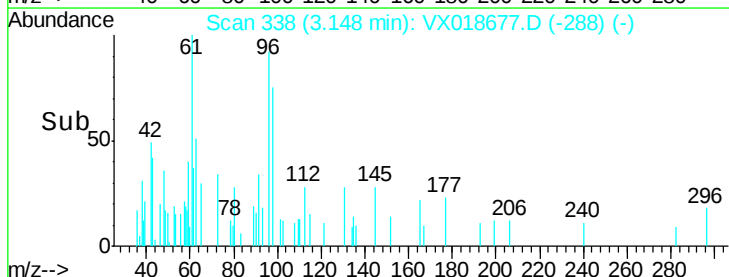
1000

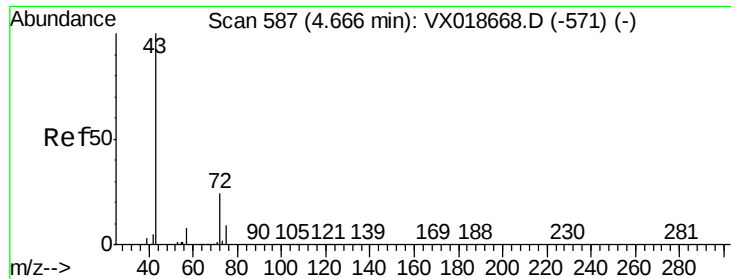
500

0

3.10 3.15 3.20

Time-->





#21

2-Butanone

Concen: 1.005 ug/L

RT: 4.66 min Scan# 586

Delta R.T. -0.01 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

Instrument :

MSVOA_X

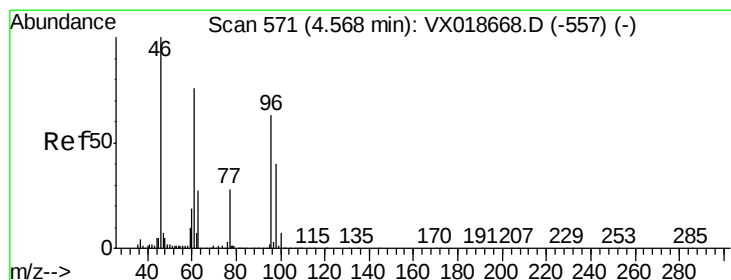
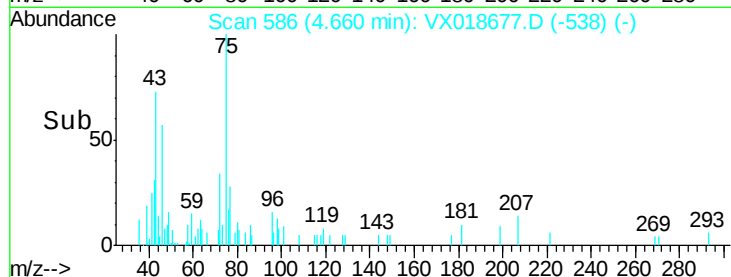
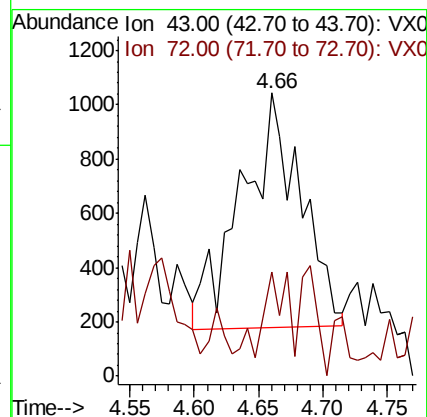
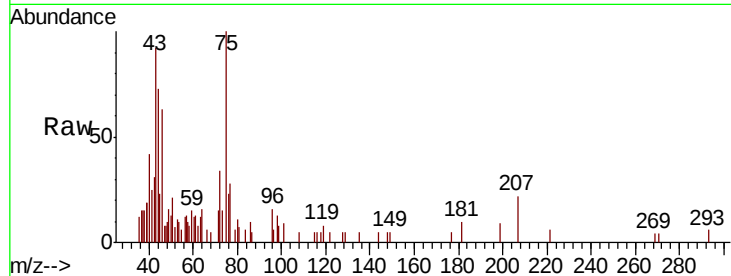
ClientSampled :

Tot Ion: 43 Resp: 2757

Ion Ratio Lower Upper

43 100

72 21.5 5.2 15.6#



#22

cis-1,2-Dichloroethene

Concen: 4.738 ug/L

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

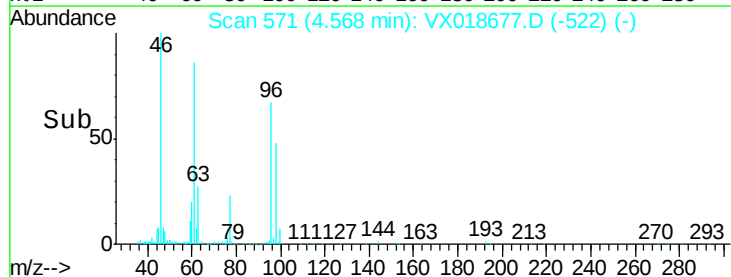
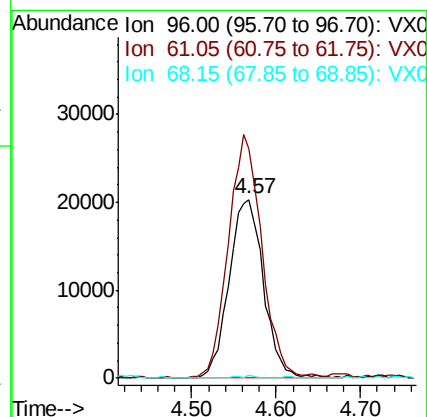
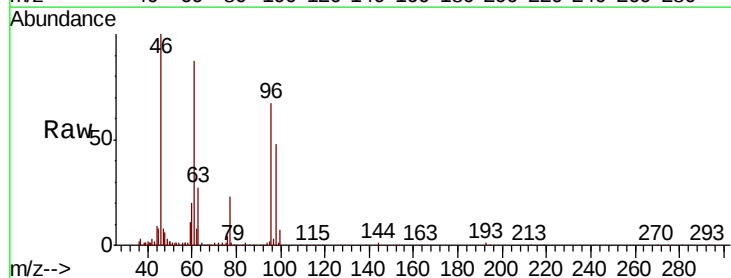
Tgt Ion: 96 Resp: 56476

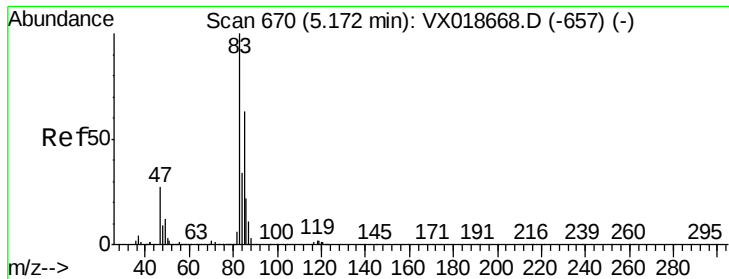
Ion Ratio Lower Upper

96 100

61 128.9 87.7 162.9

68 1.4 0.3 0.7#





#25

Chloroform

Concen: 0.095 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

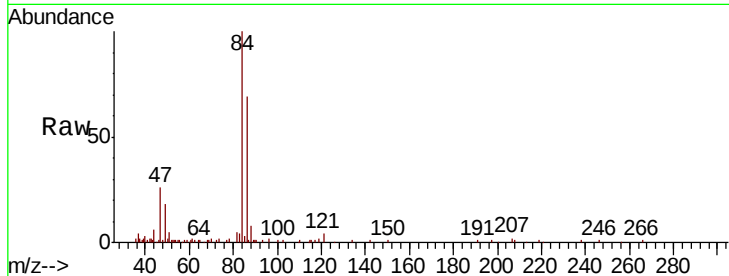
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 2125

Ion Ratio Lower Upper

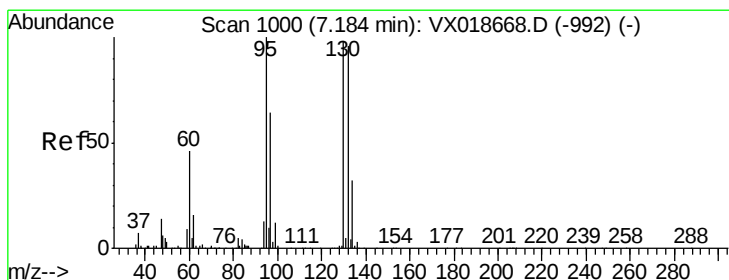
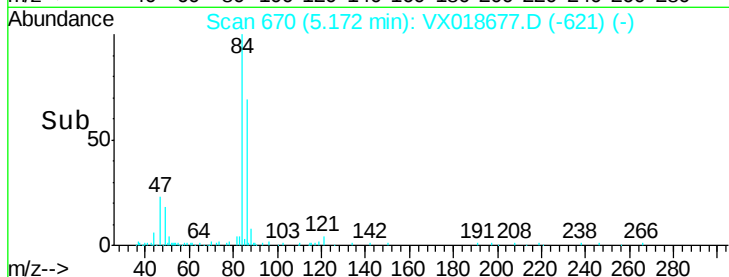
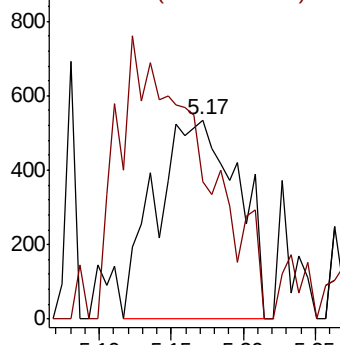
83 100

85 69.0 41.8 77.6



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#34

Trichloroethene

Concen: 0.140 ug/L

RT: 7.18 min Scan# 999

Delta R.T. -0.01 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

Tgt Ion: 95 Resp: 1760

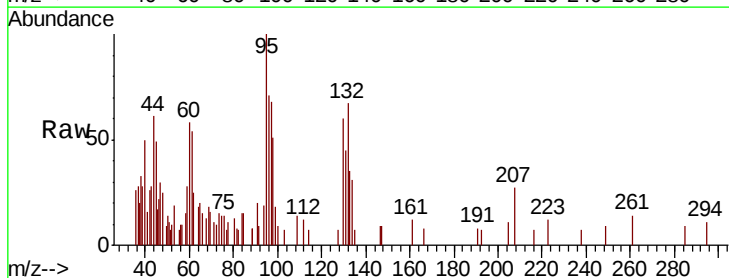
Ion Ratio Lower Upper

95 100

97 68.0 40.6 75.4

132 67.0 64.3 119.5

130 59.6 70.6 131.0#

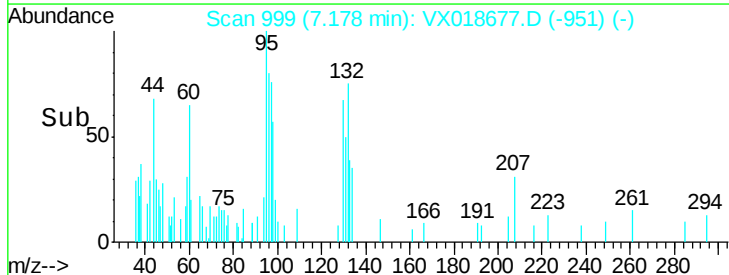
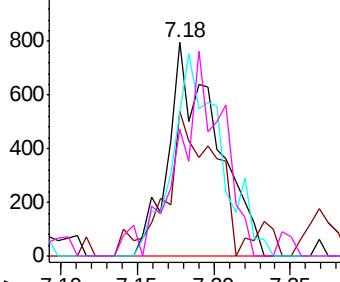


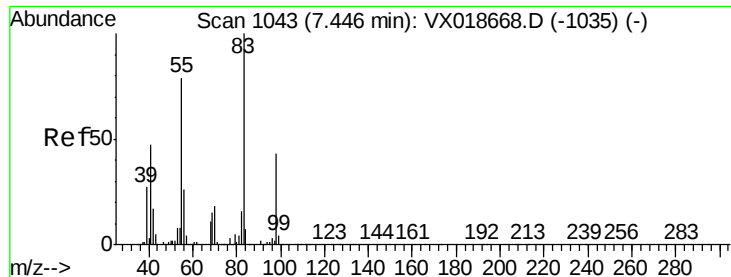
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

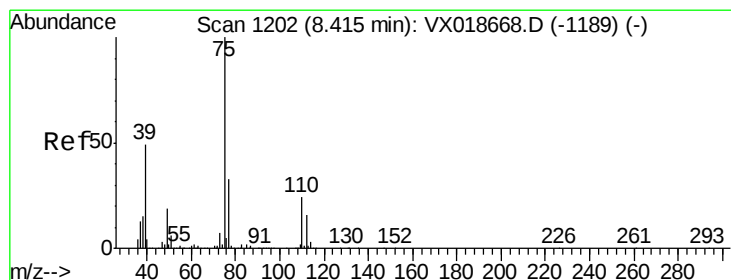
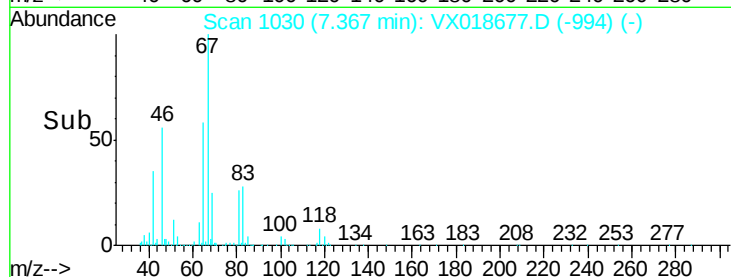
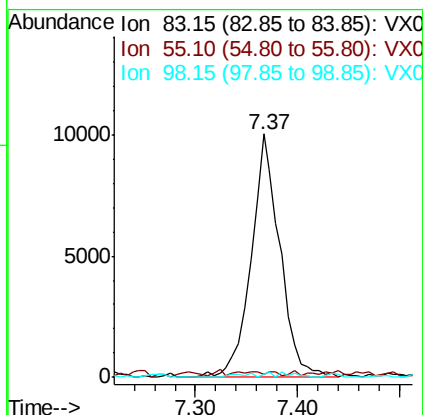
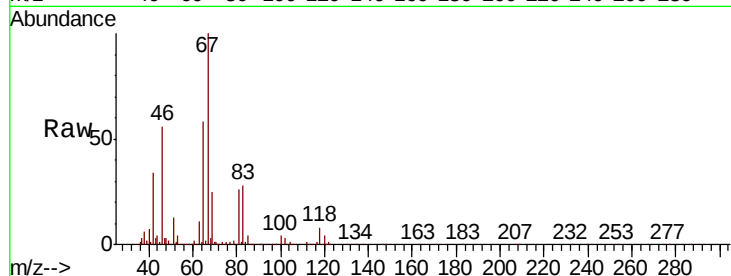




#35
Methvlcvclohexane
Concen: 1.131 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.08 min
Lab File: VX018677.D
Acq: 29 Sep 2020 23:55

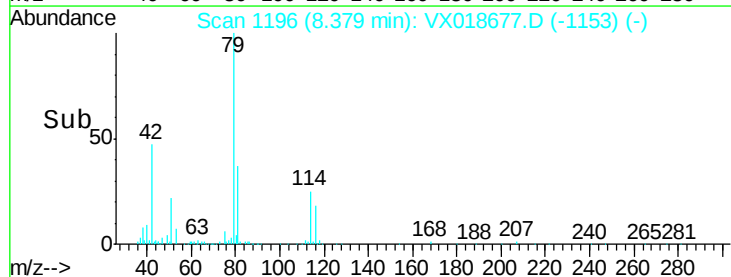
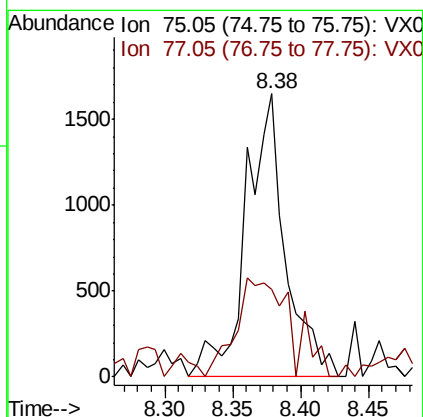
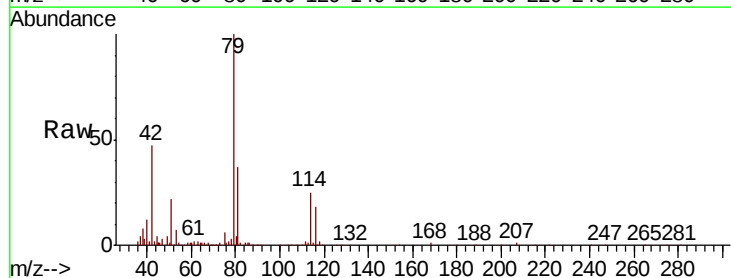
Instrument :
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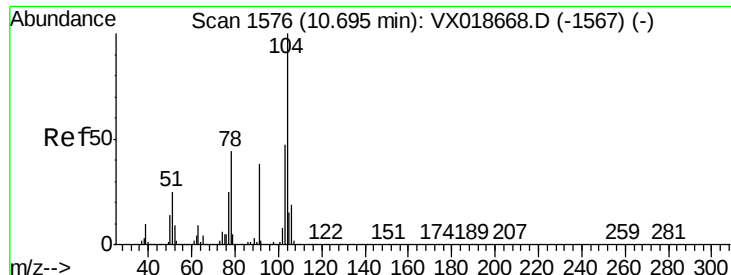
Tot Ion: 83 Resp: 19770
Ion Ratio Lower Upper
83 100
55 1.6 67.4 101.0#
98 0.6 41.1 61.7#



#39
cis-1,3-Dichloropropene
Concen: 0.205 ug/L
RT: 8.38 min Scan# 1196
Delta R.T. -0.04 min
Lab File: VX018677.D
Acq: 29 Sep 2020 23:55

Tgt Ion: 75 Resp: 3372
Ion Ratio Lower Upper
75 100
77 30.9 23.0 42.8





#57

Stvrene

Concen: 0.075 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018677.D

Acq: 29 Sep 2020 23:55

Instrument :

MSVOA_X

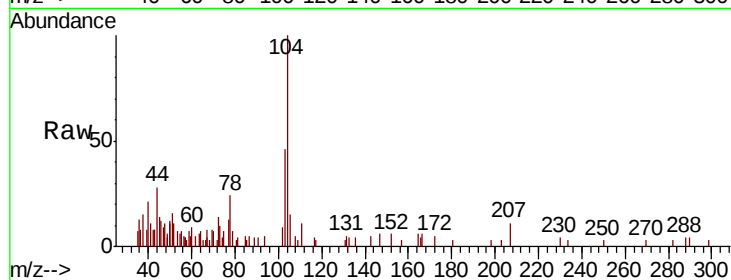
ClientSampleId :

Tot Ion:104 Resp: 2299

Ion Ratio Lower Upper

104 100

78 23.9 33.3 61.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0

10.70

2000

1500

1000

500

0

10.65

10.70

Time-->

