

Data File : VX018716.D
Acq On : 30 Sep 2020 22:51
Operator : JC/SP
Sample : L4171-10
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG3Q0

Quant Time: Oct 01 02:43:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	207897	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	207250	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	98131	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	32241	2.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.20%
7) Chloroethane-d5	1.70	69	32014	3.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.80%
11) 1,1-Dichloroethene-d2	2.34	63	64829	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.54	46	138983	50.10	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.20%
24) Chloroform-d	5.14	84	107936	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	6.03	65	62400	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	6.05	84	182162	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.20%
36) 1,2-Dichloropropane-d6	7.37	67	60642	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.20%
41) Toluene-d8	8.70	98	158387	3.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.60%#
45) trans-1,3-Dichloropropene-	8.99	79	24935	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
48) 2-Hexanone-d5	9.43	63	107626	46.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.72%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	48912	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	70553	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.39	62	11221	0.997 ug/L	96
8) Chloroethane	1.72	64	2398	0.387 ug/L #	73
13) Acetone	2.44	43	31001	20.190 ug/L	99
14) Carbon disulfide	2.56	76	35513	1.151 ug/L	98
15) Methyl Acetate	2.83	43	11365	2.674 ug/L #	49
19) 1,1-Dichloroethane	3.67	63	8444	0.464 ug/L	99
21) 2-Butanone	4.53	43	1855	0.761 ug/L	96
22) cis-1,2-Dichloroethene	4.56	96	3305	0.312 ug/L #	86
30) Cyclohexane	5.55	56	11268	0.718 ug/L #	82
33) Benzene	6.12	78	3361	0.084 ug/L	100
39) cis-1,3-Dichloropropene	8.37	75	1961	0.130 ug/L #	78
42) Toluene	8.76	91	236190	5.472 ug/L	96
43) 1,3,5-Trimethylbenzene	11.49	105	6893	0.183 ug/L	89
44) 1,2,4-Trimethylbenzene	11.79	105	23929	0.634 ug/L	96
47) 1,1,2-Trichloroethane	9.19	97	750	0.098 ug/L #	71
50) 2-Hexanone	9.48	43	5605	1.340 ug/L #	93
54) Ethylbenzene	10.23	91	14463	0.308 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

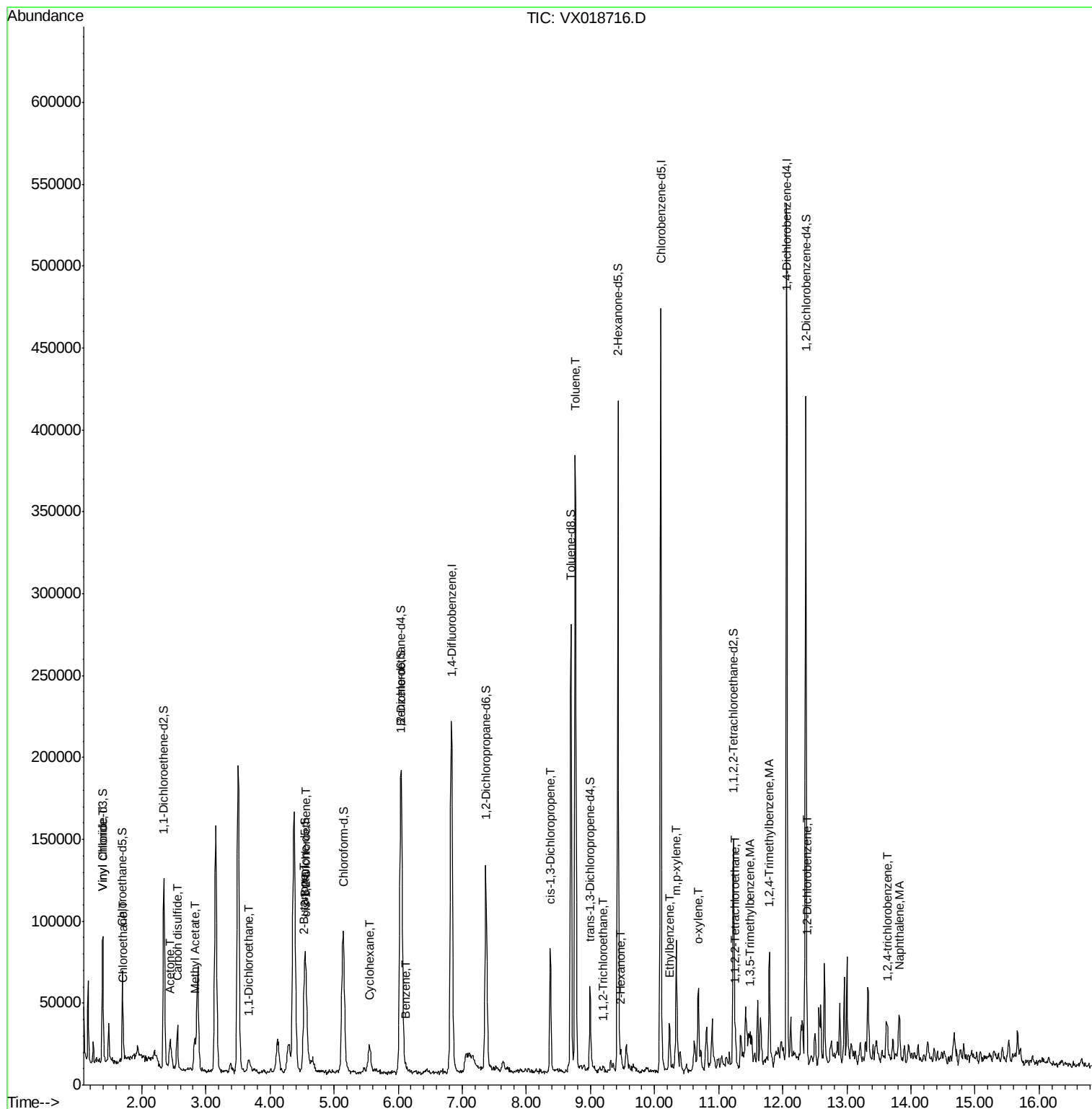
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	10.34	106	17726	0.986	ug/L	90
56) o-xylene	10.68	106	10625	0.626	ug/L	79
60) 1,1,2,2-Tetrachloroethane	11.26	83	2178	0.252	ug/L #	29
66) 1,2-Dichlorobenzene	12.38	146	1802	0.091	ug/L #	64
69) 1,2,4-trichlorobenzene	13.63	180	1110	0.085	ug/L #	59
70) Naphthalene	13.82	128	17187	0.774	ug/L #	92

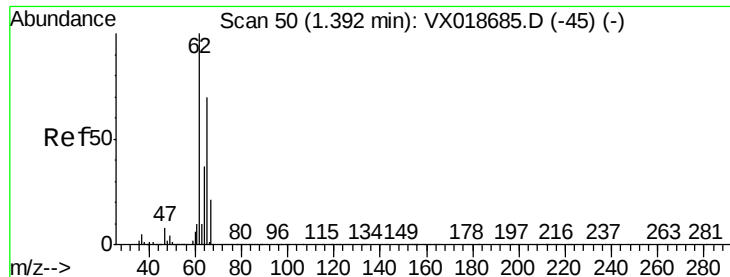
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.997 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampled :

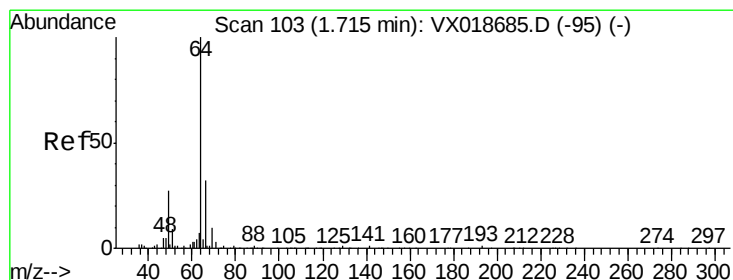
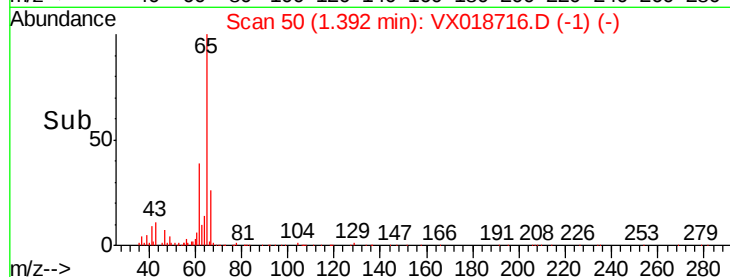
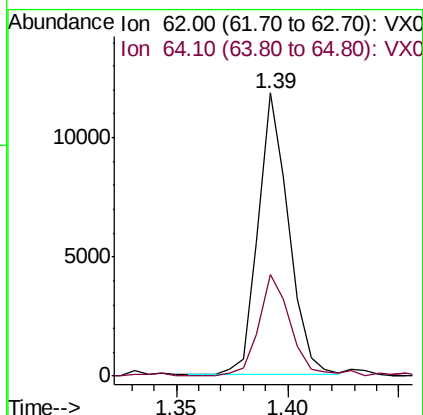
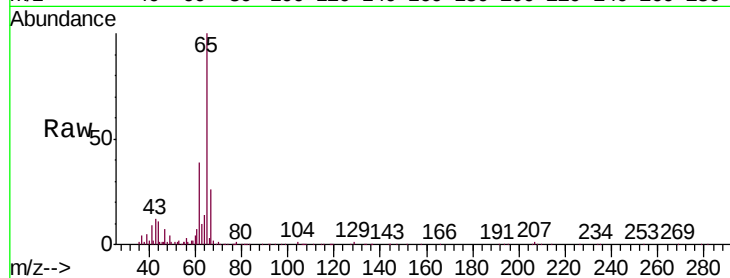
BG3Q0

Tgt Ion: 62 Resp: 11221

Ion Ratio Lower Upper

62 100

64 35.9 23.6 43.8



#8

Chloroethane

Concen: 0.387 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018716.D

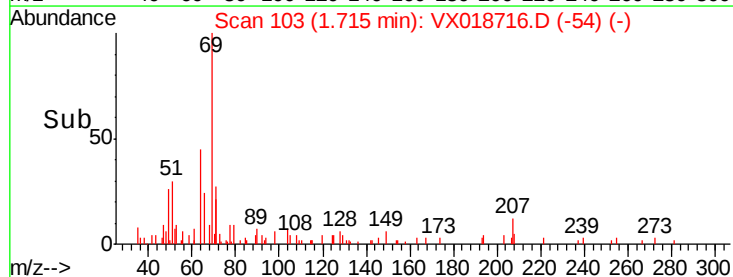
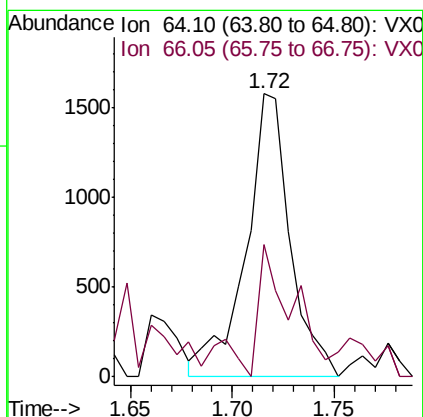
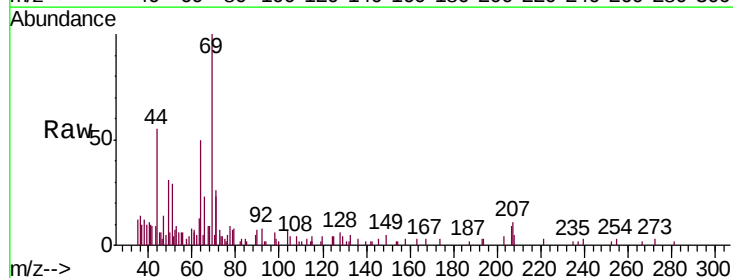
Acq: 30 Sep 2020 22:51

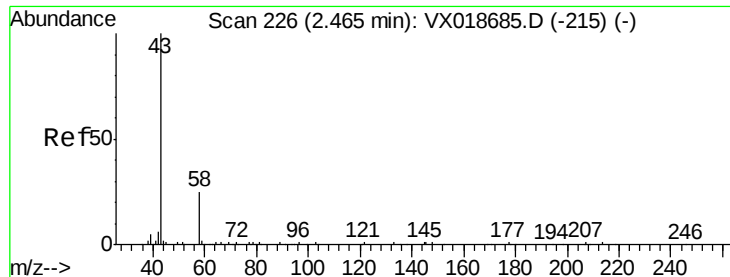
Tgt Ion: 64 Resp: 2398

Ion Ratio Lower Upper

64 100

66 46.6 22.3 41.3#





#13

Acetone

Concen: 20.190 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.02 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampleId :

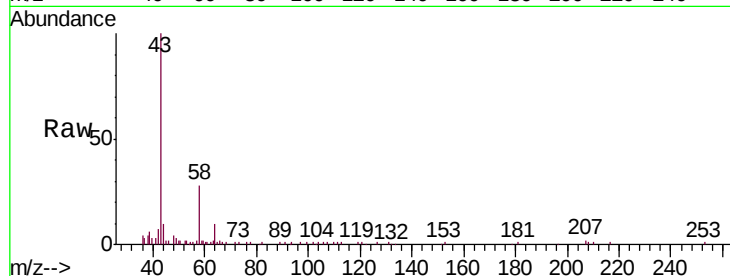
BG3Q0

Tgt Ion: 43 Resp: 31001

Ion Ratio Lower Upper

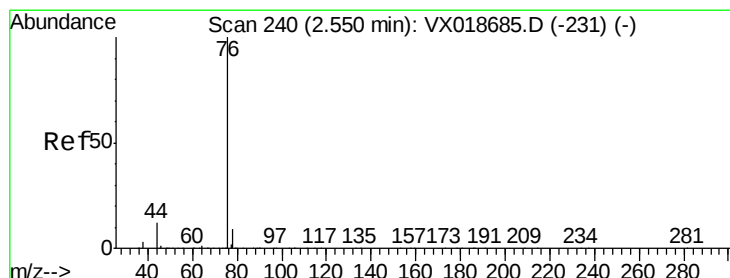
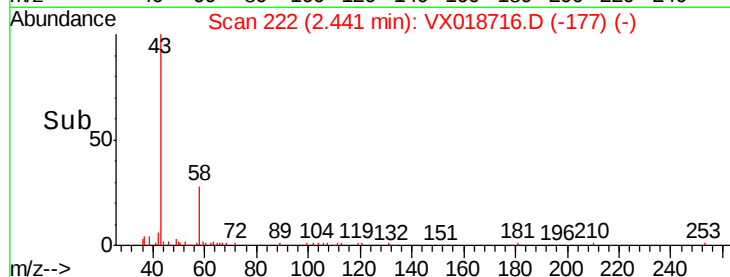
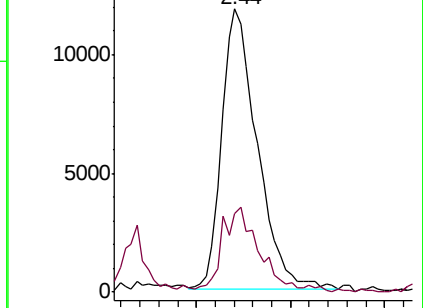
43 100

58 31.3 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 1.151 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018716.D

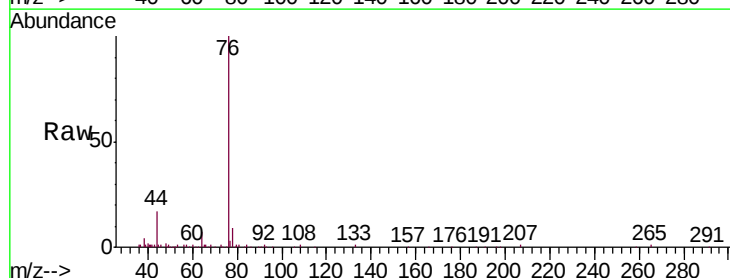
Acq: 30 Sep 2020 22:51

Tgt Ion: 76 Resp: 35513

Ion Ratio Lower Upper

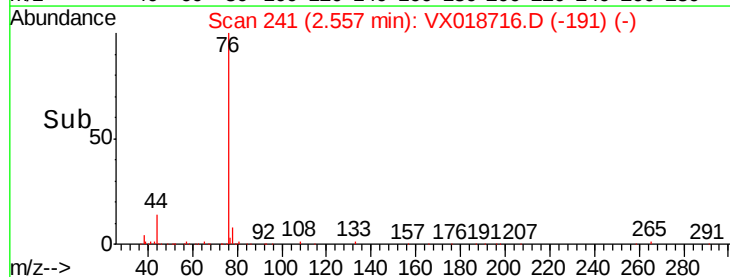
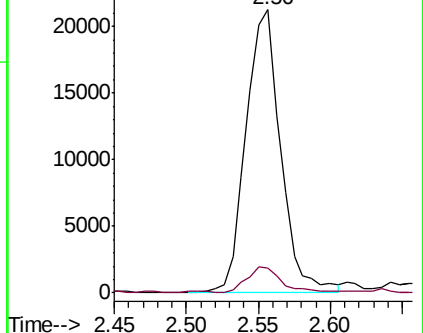
76 100

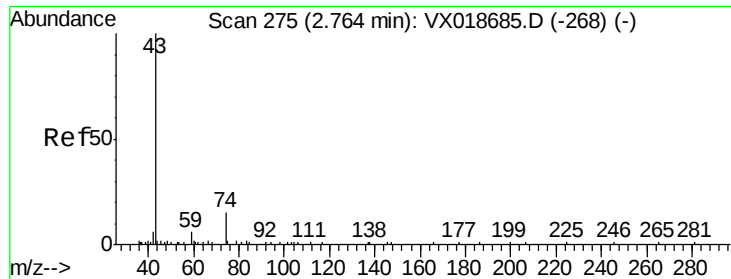
78 8.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 2.674 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.07 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampleId :

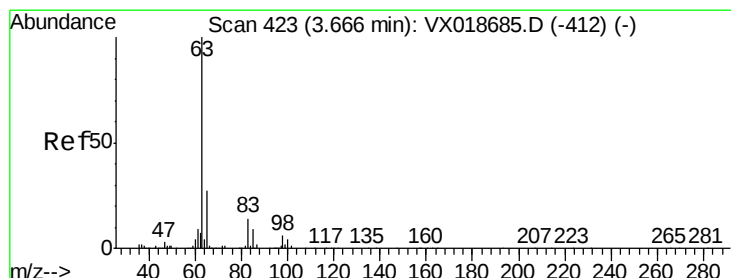
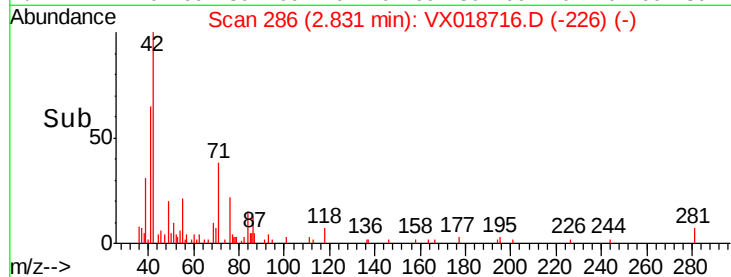
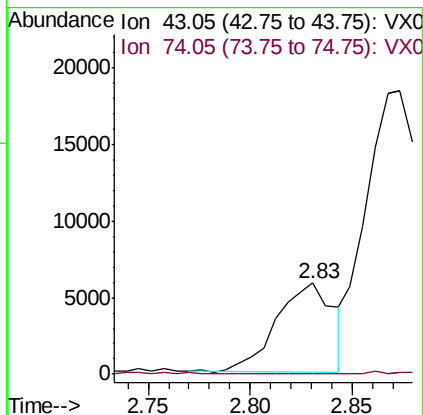
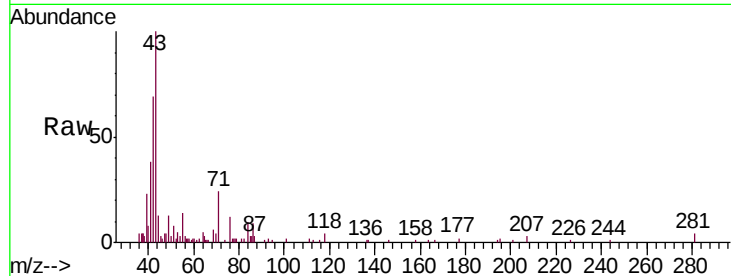
BG3Q0

Tgt Ion: 43 Resp: 11365

Ion Ratio Lower Upper

43 100

74 0.4 21.2 31.8#



#19

1,1-Dichloroethane

Concen: 0.464 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

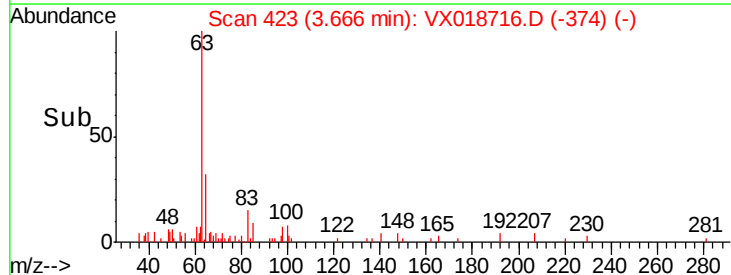
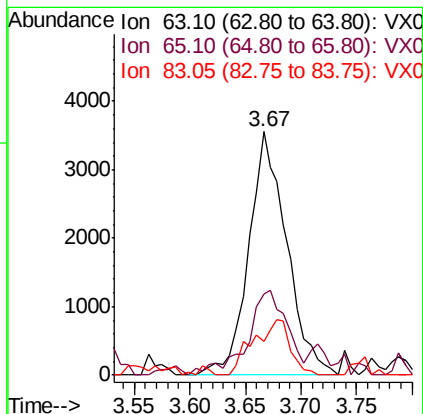
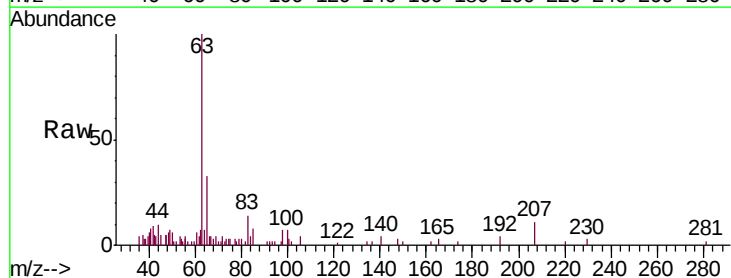
Tgt Ion: 63 Resp: 8444

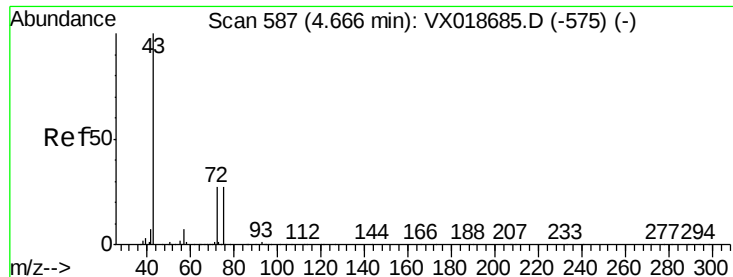
Ion Ratio Lower Upper

63 100

65 33.1 22.7 42.1

83 14.0 9.3 17.3





#21

2-Butanone

Concen: 0.761 ug/L

RT: 4.53 min Scan# 564

Delta R.T. -0.14 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampled :

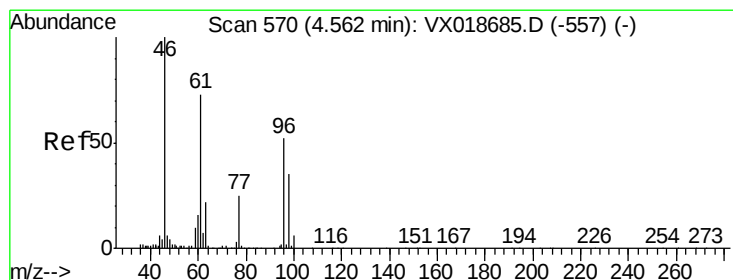
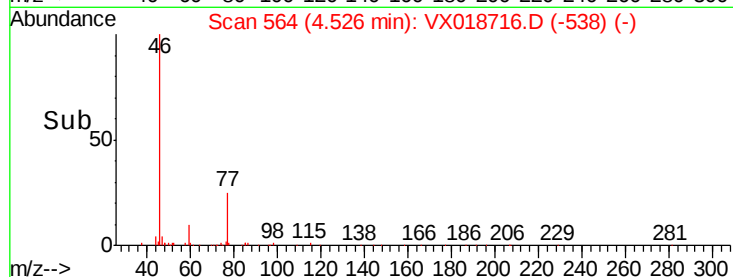
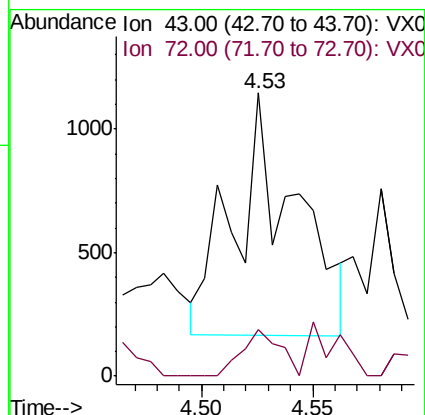
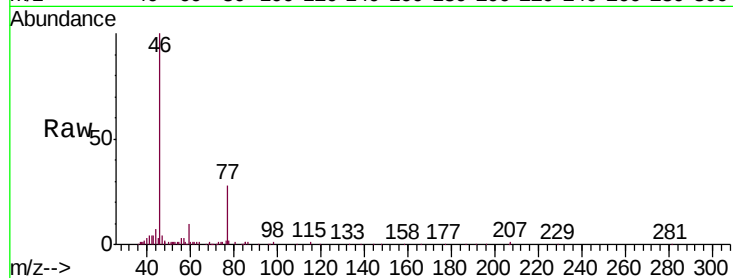
BG3Q0

Tgt Ion: 43 Resp: 1855

Ion Ratio Lower Upper

43 100

72 12.1 5.2 15.6



#22

cis-1,2-Dichloroethene

Concen: 0.312 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

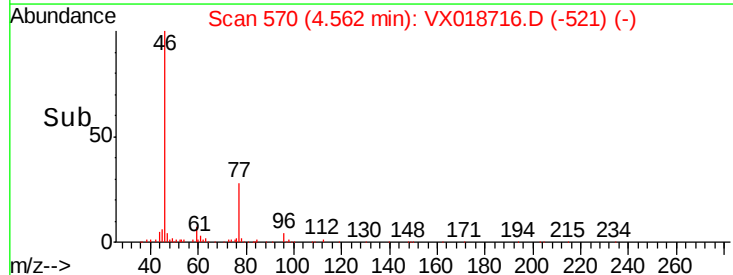
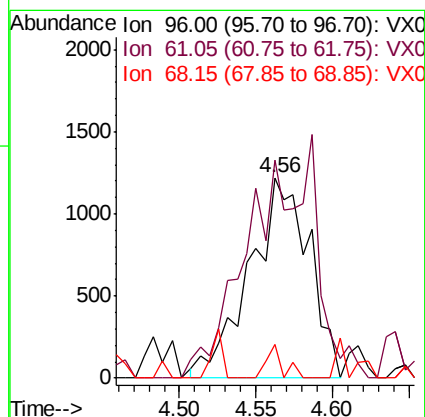
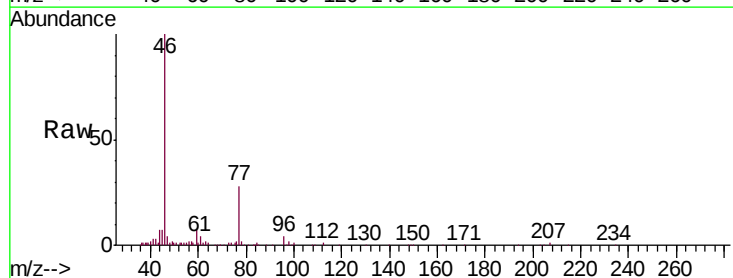
Tgt Ion: 96 Resp: 3305

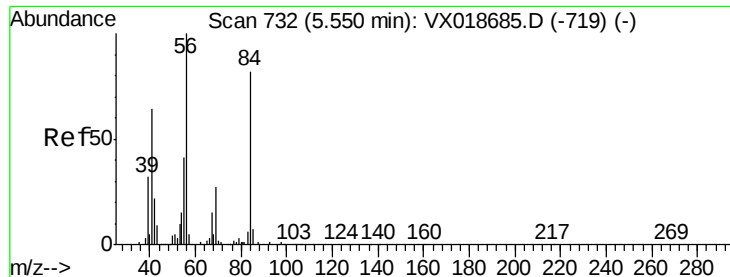
Ion Ratio Lower Upper

96 100

61 108.9 87.7 162.9

68 16.8 0.3 0.7#

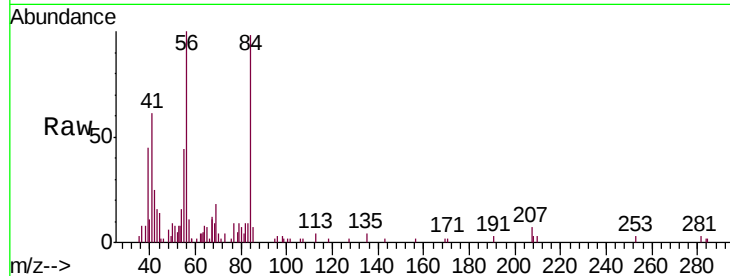




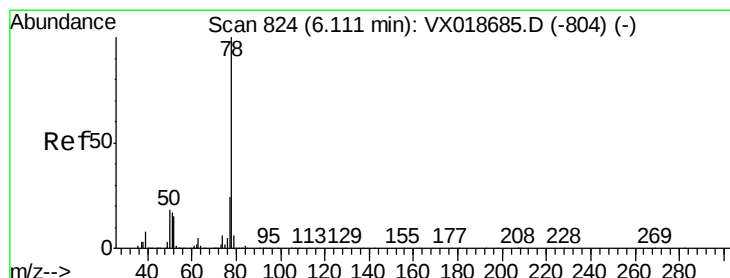
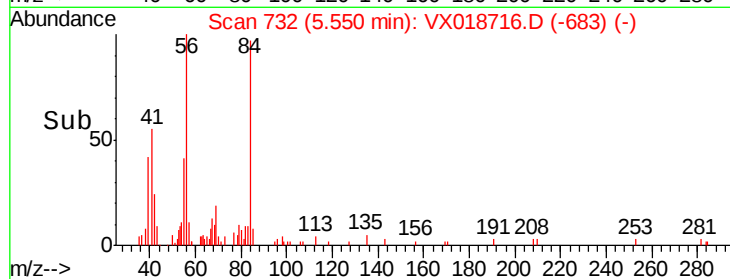
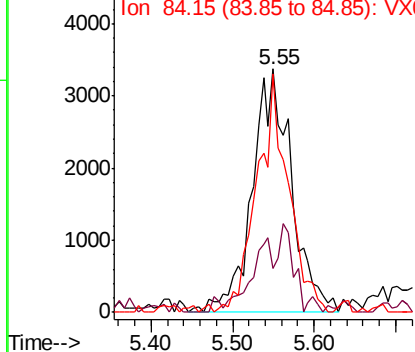
#30
Cyclohexane
Concen: 0.718 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018716.D
Acq: 30 Sep 2020 22:51

Instrument :
MSVOA_X
ClientSampleId :
BG3Q0

Tgt Ion: 56 Resp: 11268
Ion Ratio Lower Upper
56 100
69 17.0 26.4 39.6#
84 77.7 72.7 109.1

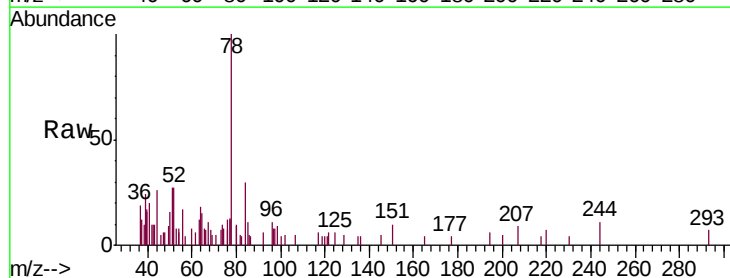


Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0

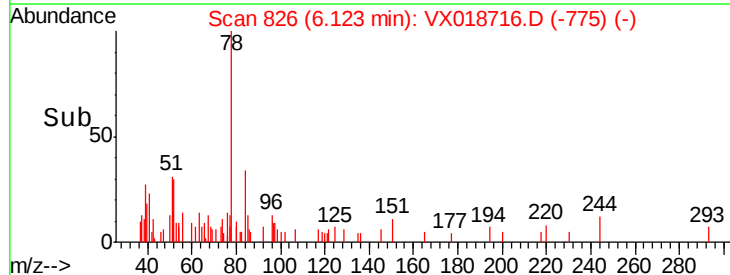
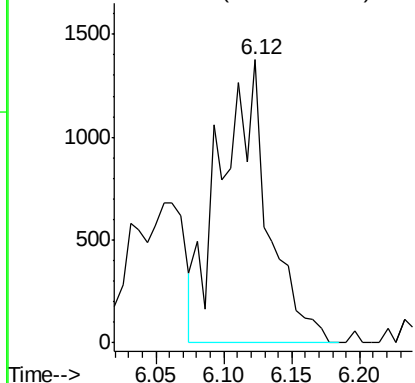


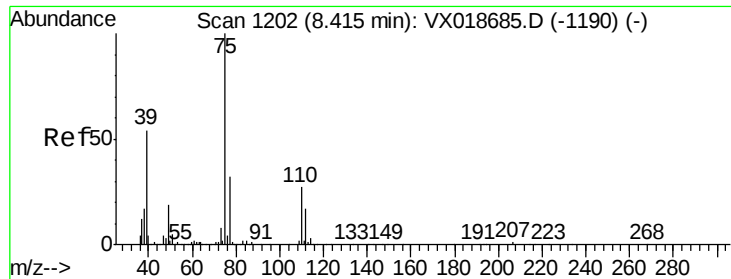
#33
Benzene
Concen: 0.084 ug/L
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX018716.D
Acq: 30 Sep 2020 22:51

Tgt Ion: 78 Resp: 3361



Abundance Ion 78.10 (77.80 to 78.80): VX0



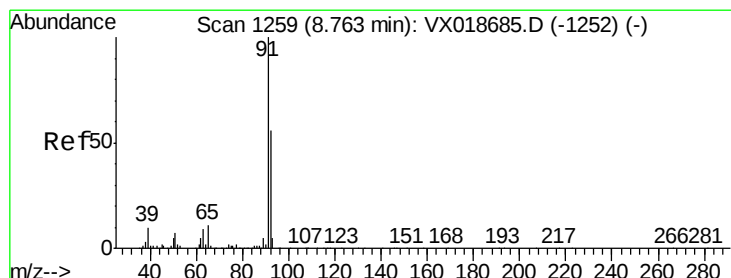
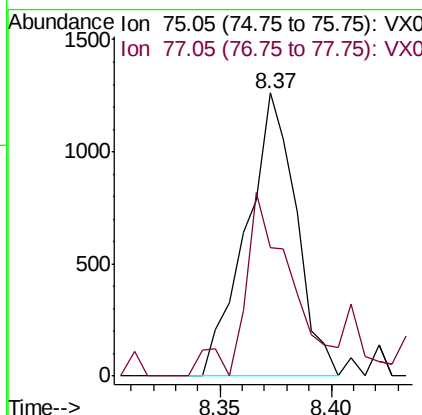
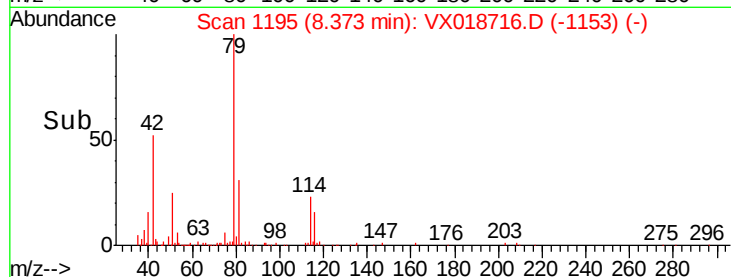
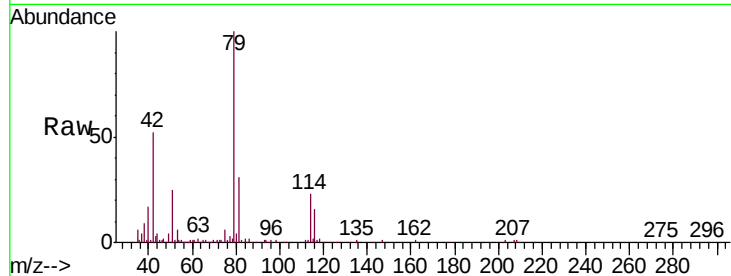


#39

cis-1,3-Dichloropropene
Concen: 0.130 ug/L
RT: 8.37 min Scan# 1195
Delta R.T. -0.04 min
Lab File: VX018716.D
Acq: 30 Sep 2020 22:51

Instrument :
MSVOA_X
ClientSampleId :
BG3Q0

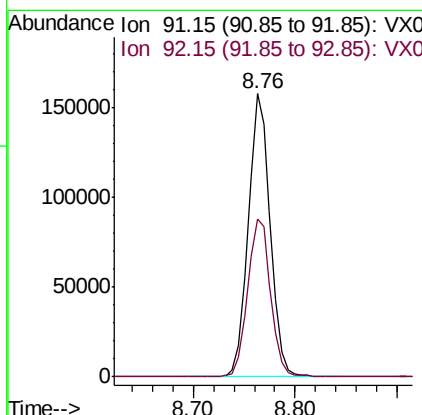
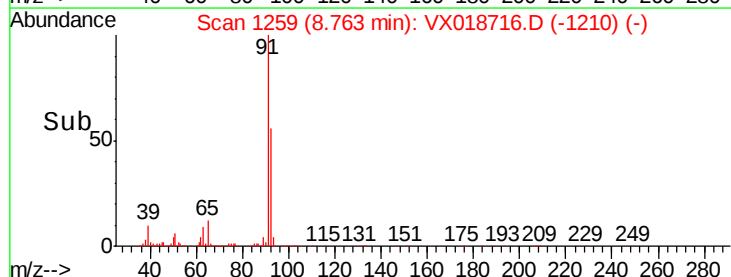
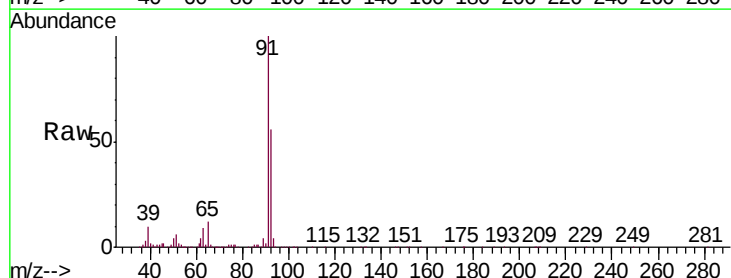
Tgt Ion: 75 Resp: 1961
Ion Ratio Lower Upper
75 100
77 45.5 23.0 42.8#

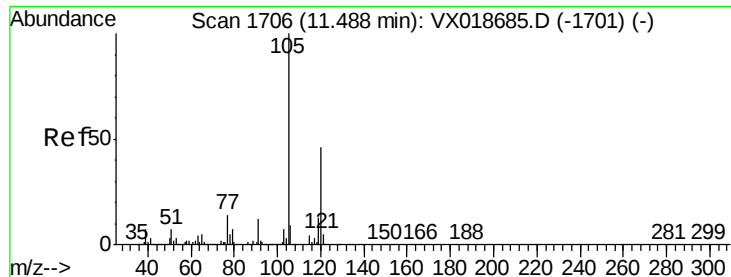


#42

Toluene
Concen: 5.472 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018716.D
Acq: 30 Sep 2020 22:51

Tgt Ion: 91 Resp: 236190
Ion Ratio Lower Upper
91 100
92 55.6 41.1 76.3





#43

1,3,5-Trimethylbenzene

Concen: 0.183 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampleId :

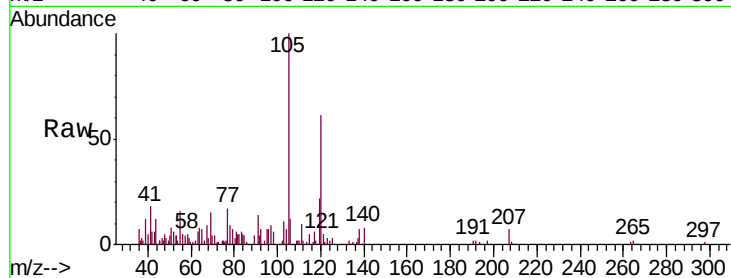
BG3Q0

Tgt Ion:105 Resp: 6893

Ion Ratio Lower Upper

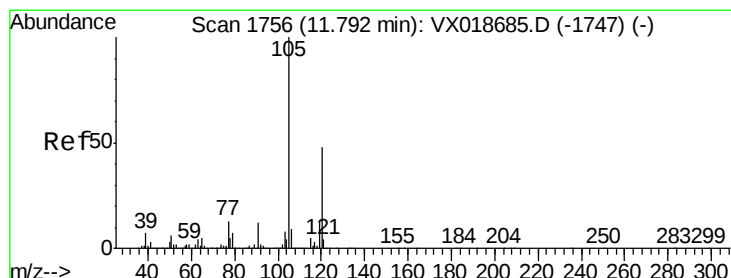
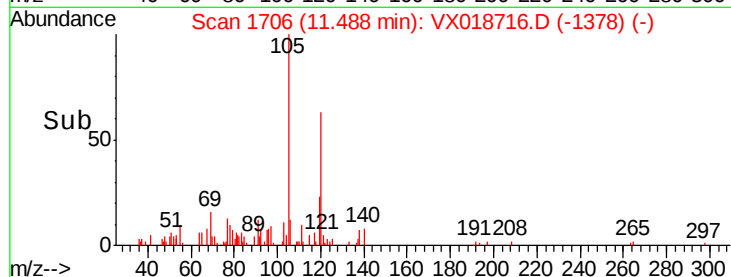
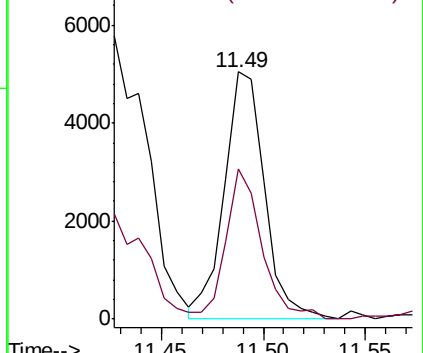
105 100

120 53.6 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.634 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018716.D

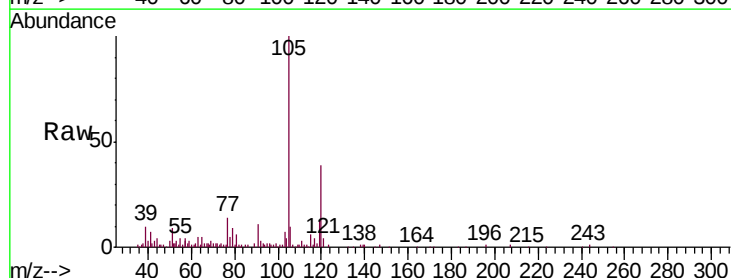
Acq: 30 Sep 2020 22:51

Tgt Ion:105 Resp: 23929

Ion Ratio Lower Upper

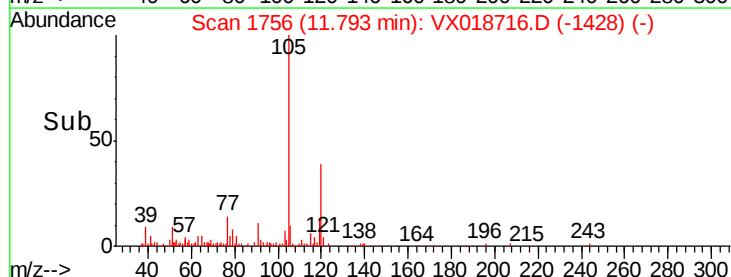
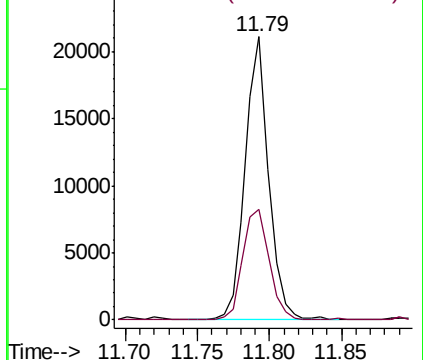
105 100

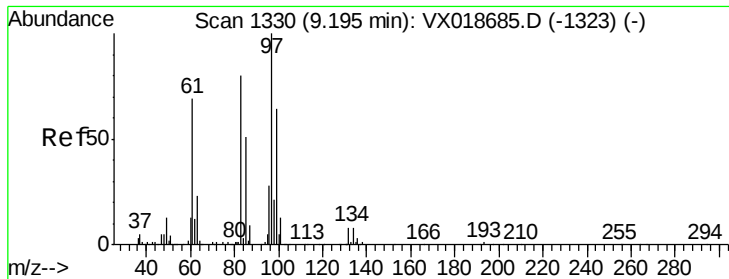
120 43.6 36.8 55.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

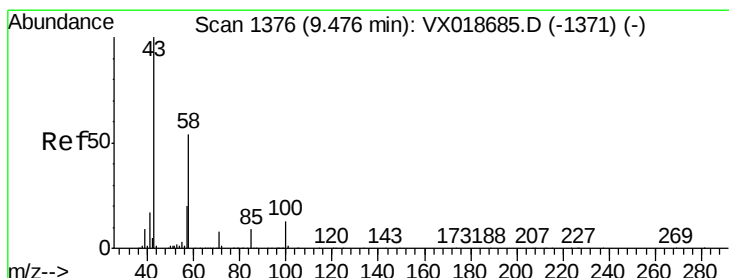
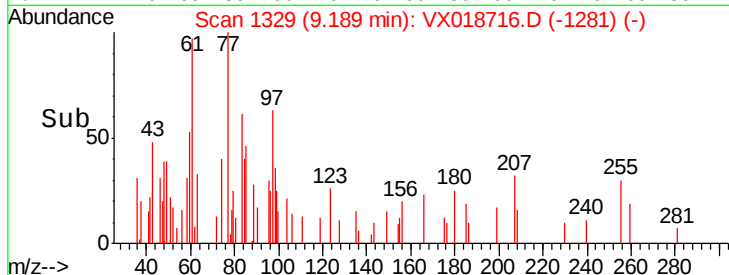
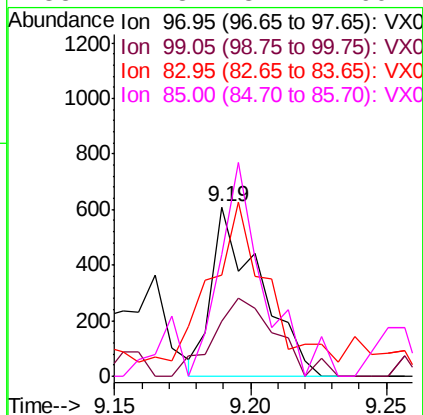
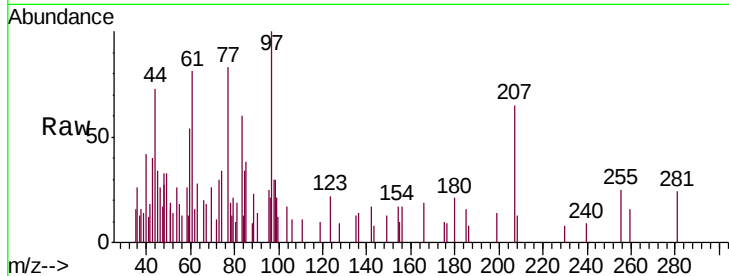




#47
 1,1,2-Trichloroethane
 Concen: 0.098 ug/L
 RT: 9.19 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VX018716.D
 Acq: 30 Sep 2020 22:51

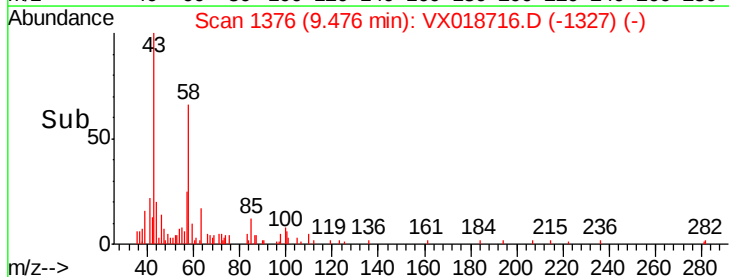
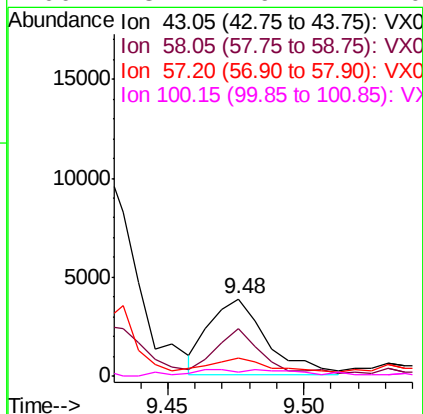
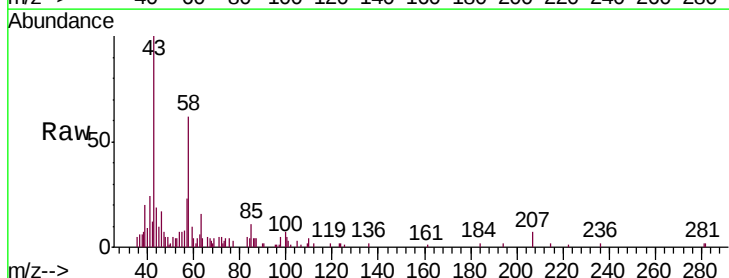
Instrument :
 MSVOA_X
 ClientSampleID :
 BG3Q0

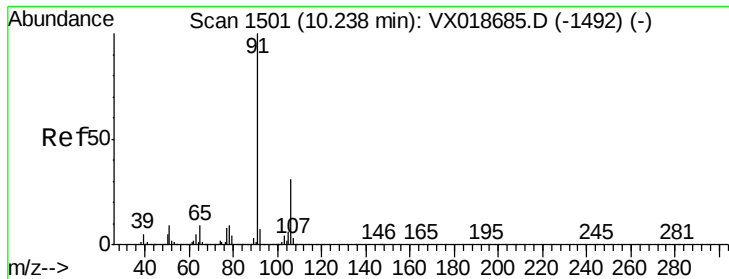
Tgt Ion:	97	Resp:	750
Ion	Ratio	Lower	Upper
97	100		
99	32.8	38.9	72.2#
83	60.1	61.9	114.9#
85	71.8	37.2	69.2#



#50
 2-Hexanone
 Concen: 1.340 ug/L
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VX018716.D
 Acq: 30 Sep 2020 22:51

Tgt Ion:	43	Resp:	5605
Ion	Ratio	Lower	Upper
43	100		
58	53.1	42.5	63.7
57	31.0	15.9	23.9#
100	8.4	9.4	14.0#





#54

Ethylbenzene

Concen: 0.308 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampleId :

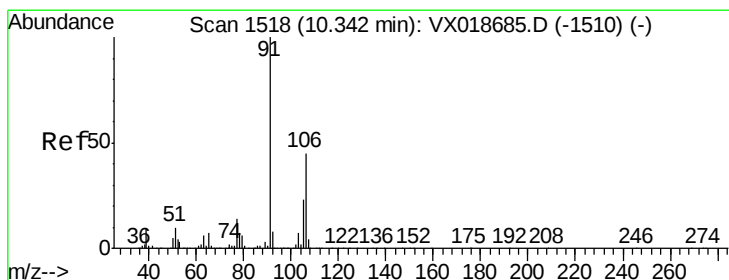
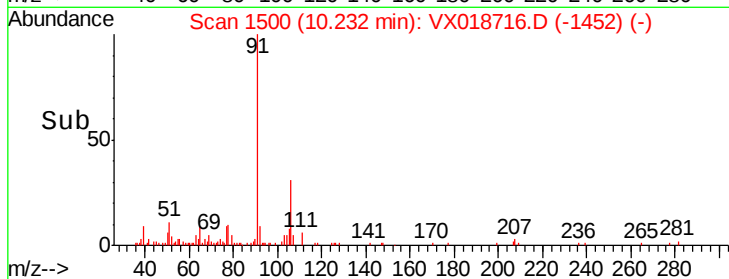
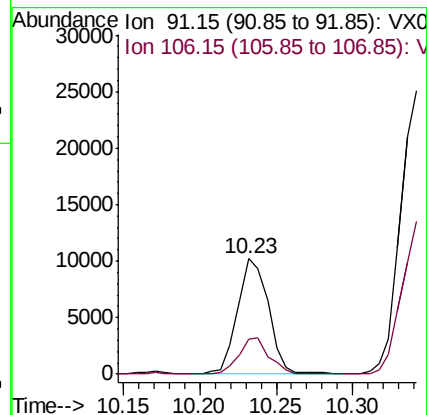
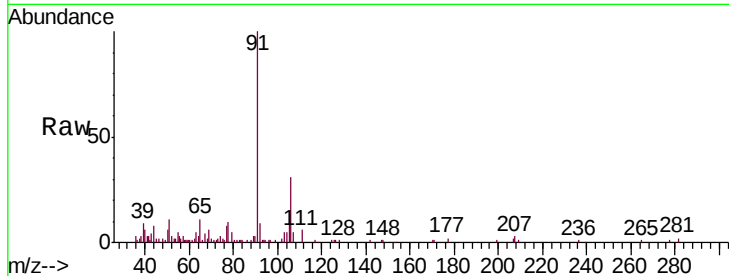
BG3Q0

Tgt Ion: 91 Resp: 14463

Ion Ratio Lower Upper

91 100

106 30.8 21.0 39.0



#55

m,p-xylene

Concen: 0.986 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018716.D

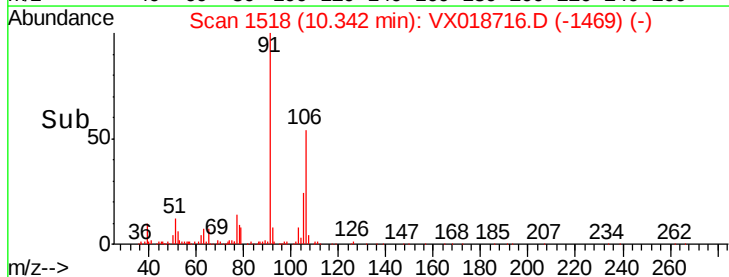
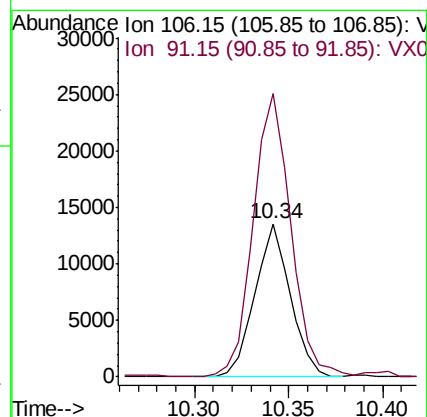
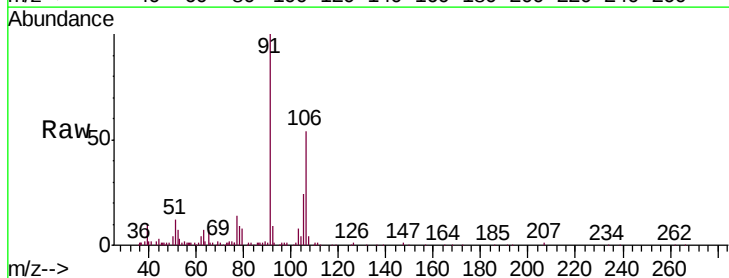
Acq: 30 Sep 2020 22:51

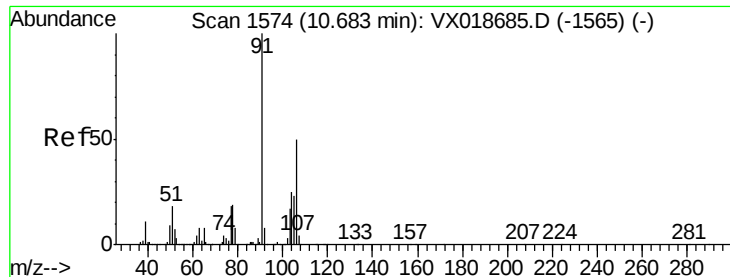
Tgt Ion: 106 Resp: 17726

Ion Ratio Lower Upper

106 100

91 185.0 140.3 260.6

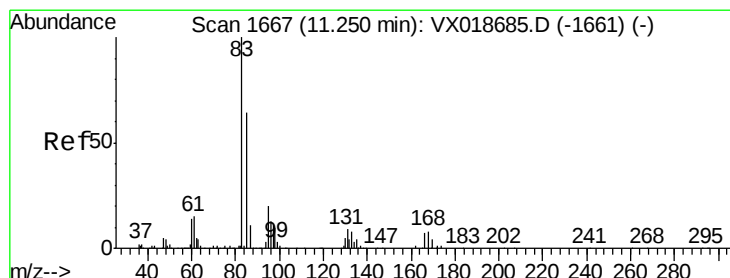
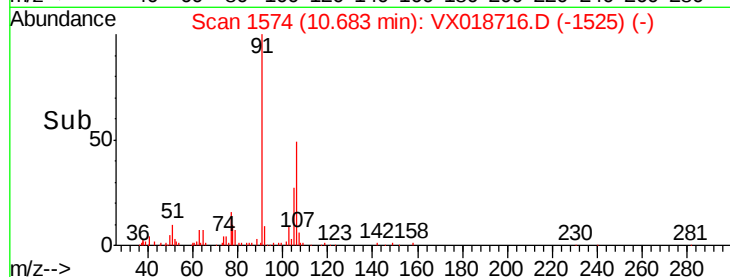
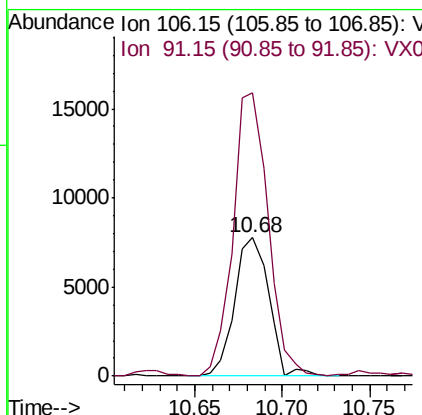
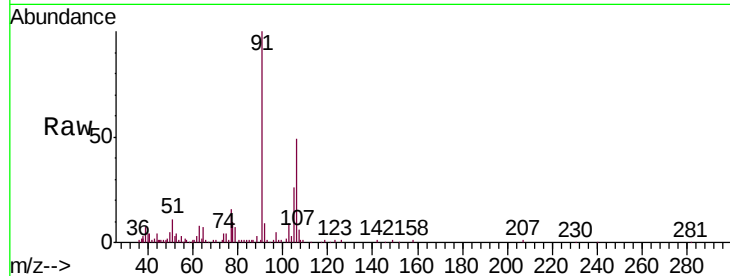




#56
o-xylene
Concen: 0.626 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018716.D
Acq: 30 Sep 2020 22:51

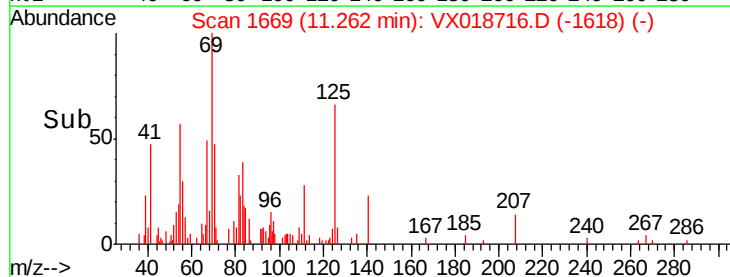
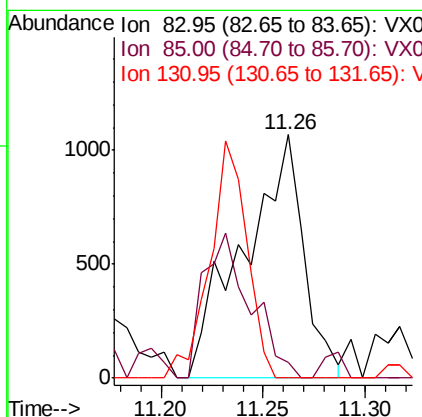
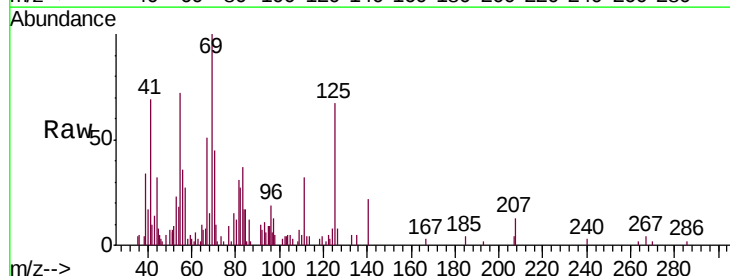
Instrument :
MSVOA_X
ClientSampleId :
BG3Q0

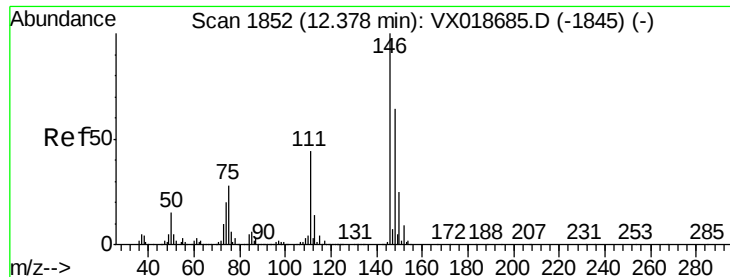
Tgt Ion:106 Resp: 10625
Ion Ratio Lower Upper
106 100
91 204.1 167.5 311.1



#60
1,1,2,2-Tetrachloroethane
Concen: 0.252 ug/L
RT: 11.26 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VX018716.D
Acq: 30 Sep 2020 22:51

Tgt Ion: 83 Resp: 2178
Ion Ratio Lower Upper
83 100
85 6.6 48.5 90.1#
131 0.0 7.8 11.6#

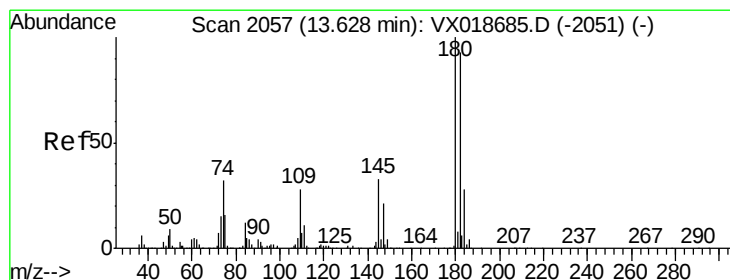
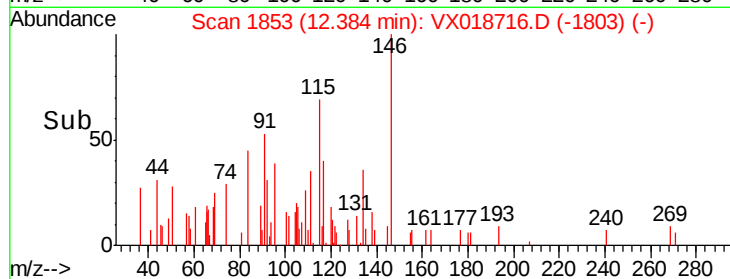
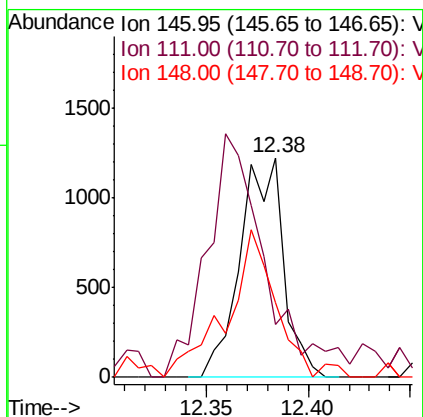
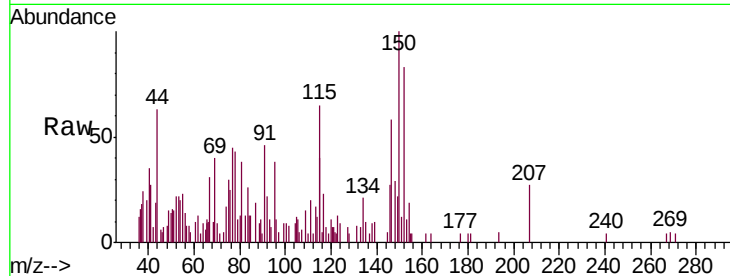




#66
 1,2-Dichlorobenzene
 Concen: 0.091 ug/L
 RT: 12.38 min Scan# 1853
 Delta R.T. 0.01 min
 Lab File: VX018716.D
 Acq: 30 Sep 2020 22:51

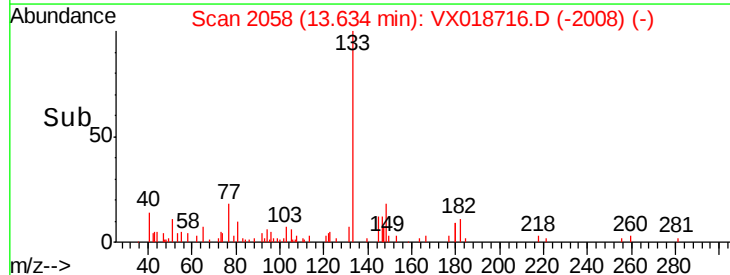
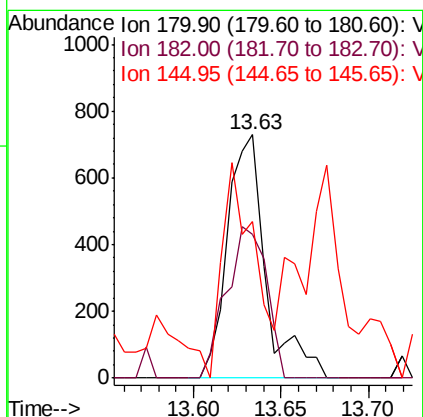
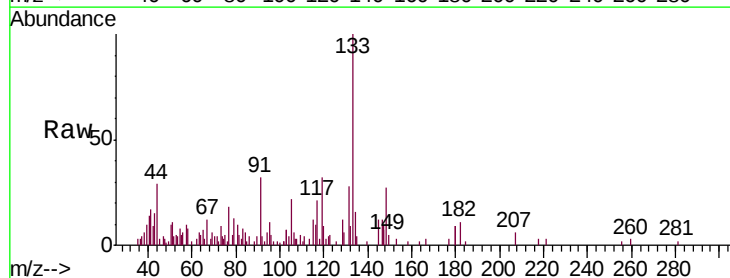
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q0

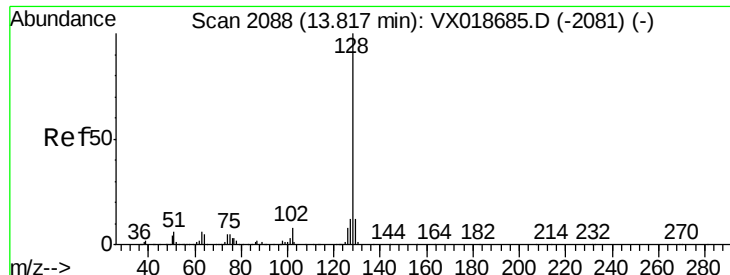
Tgt Ion:146 Resp: 1802
 Ion Ratio Lower Upper
 146 100
 111 24.0 33.6 50.4#
 148 34.3 53.4 80.2#



#69
 1,2,4-trichlorobenzene
 Concen: 0.085 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018716.D
 Acq: 30 Sep 2020 22:51

Tgt Ion:180 Resp: 1110
 Ion Ratio Lower Upper
 180 100
 182 65.4 74.6 112.0#
 145 74.4 25.0 37.6#





#70

Naphthalene

Concen: 0.774 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018716.D

Acq: 30 Sep 2020 22:51

Instrument :

MSVOA_X

ClientSampleId :

BG3Q0

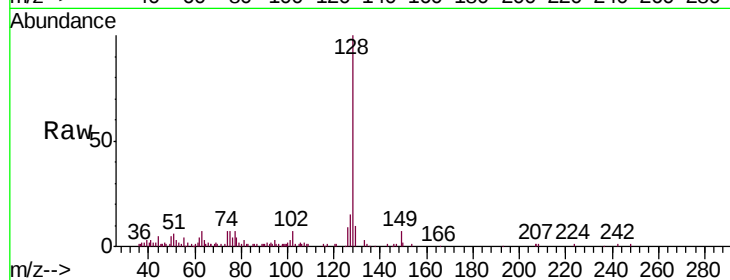
Tgt Ion:128 Resp: 17187

Ion Ratio Lower Upper

128 100

129 13.3 8.8 13.2#

127 17.2 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

