

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018255.D
 Acq On : 04 Sep 2020 13:05
 Operator : JC/SP
 Sample : VX0904WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBL01

Quant Time: Sep 05 06:30:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	81353	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	412345	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	387308	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	197295	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%
60) 4-Bromofluorobenzene	11.12	95	169997	25.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.40%
63) Toluene-d8	8.70	98	494544	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

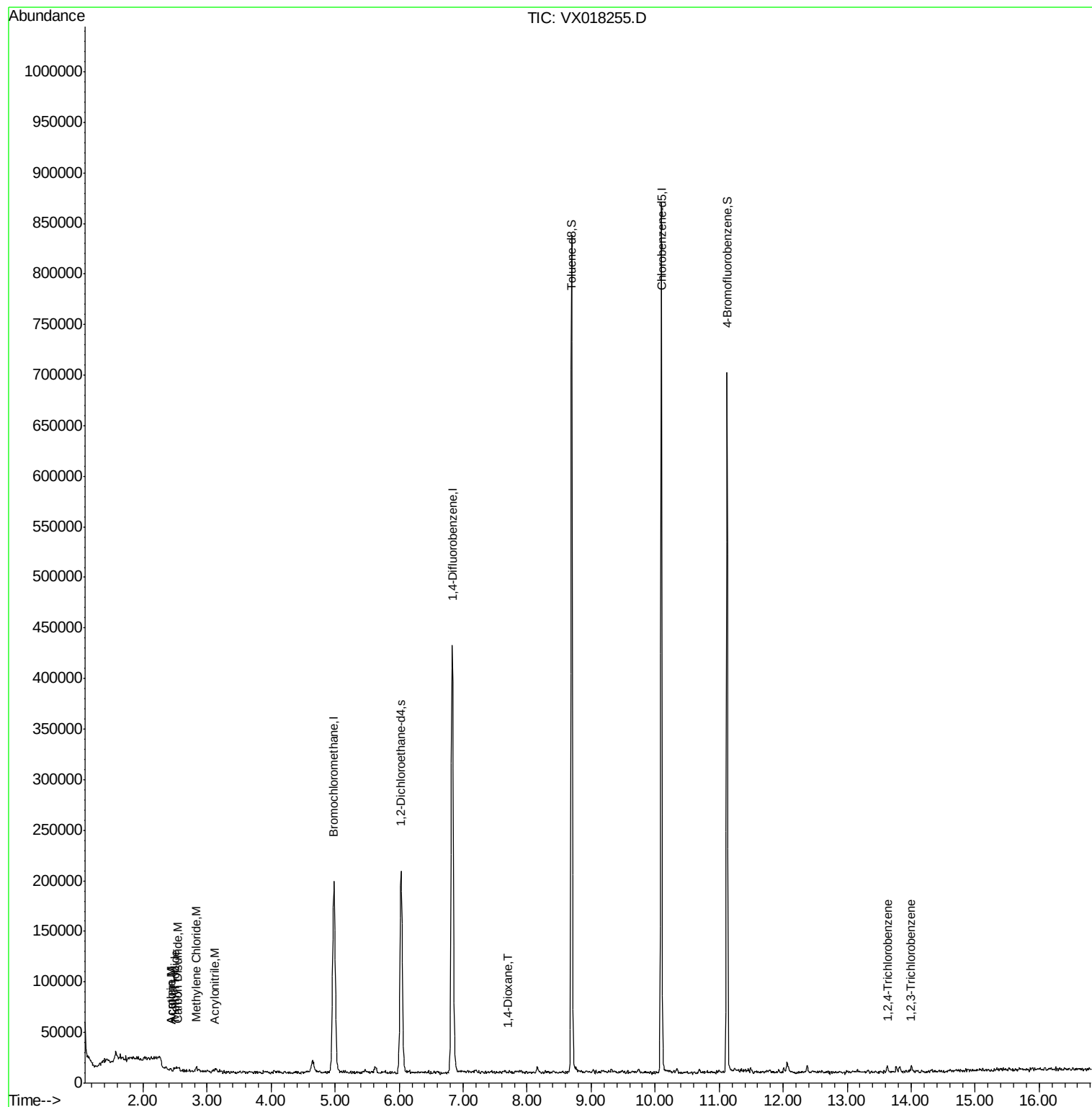
					Ovalue
11) Methyl Iodide	2.50	142	2461	7.952 ug/l	96
13) Acrolein	2.45	56	326	0.750 ug/l	90
14) Acrylonitrile	3.12	53	934	0.383 ug/l #	49
15) Acetone	2.44	58	197	0.297 ug/l	90
16) Carbon Disulfide	2.55	76	4904	0.412 ug/l	100
18) Methylene Chloride	2.83	84	2002	0.417 ug/l #	85
45) 1,4-Dioxane	7.70	88	88	0.954 ug/l #	1
89) 1,2,4-Trichlorobenzene	13.63	180	1797	0.268 ug/l #	89
92) 1,2,3-Trichlorobenzene	13.99	180	1681	0.253 ug/l	86

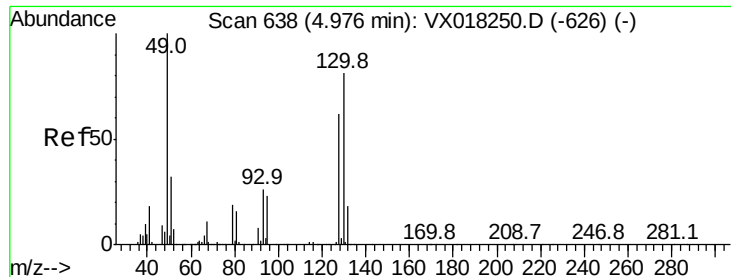
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VX0904WBL01

Quant Time: Sep 05 06:30:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBL01

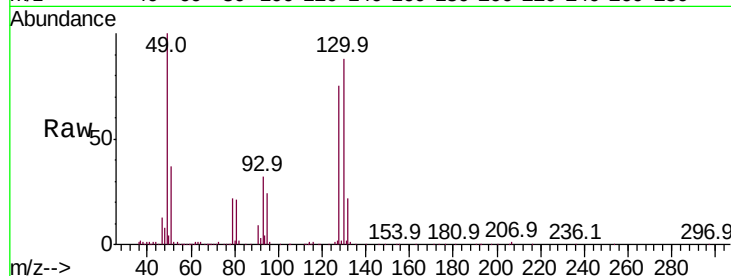
Tot Ion:128 Resp: 81353

Ion Ratio Lower Upper

128 100

49 151.0 0.0 392.0

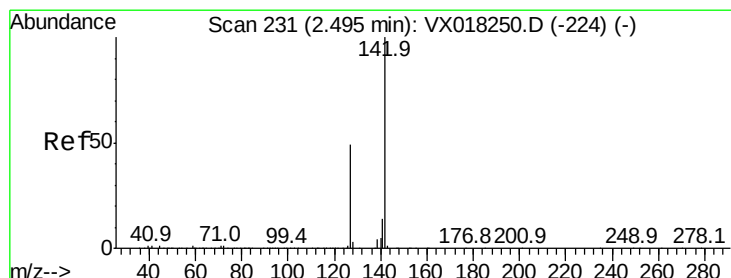
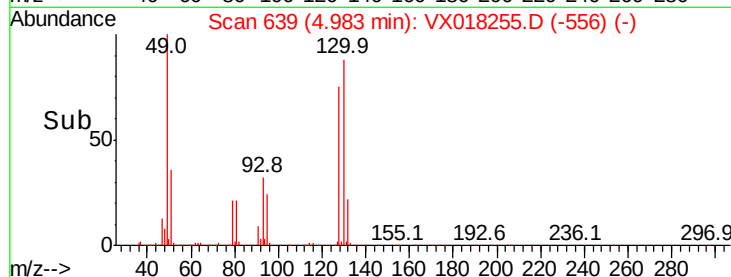
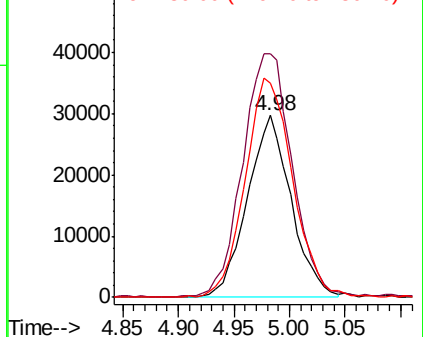
130 130.6 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 7.952 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

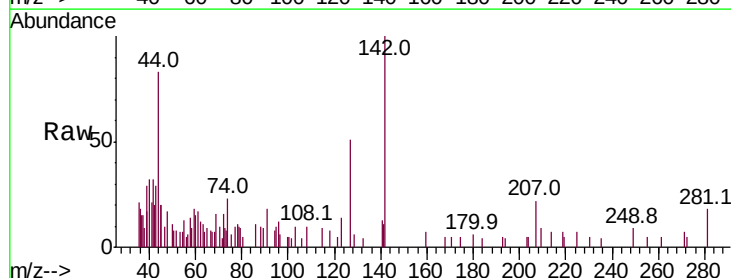
Tgt Ion:142 Resp: 2461

Ion Ratio Lower Upper

142 100

127 50.3 24.6 74.0

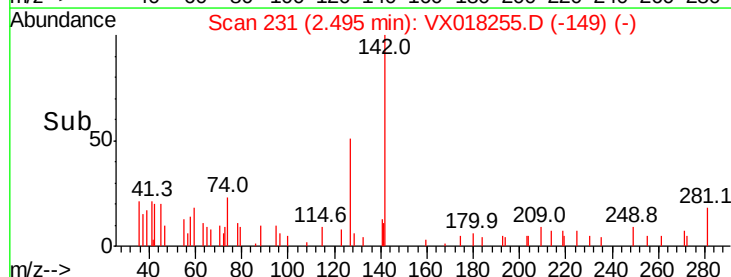
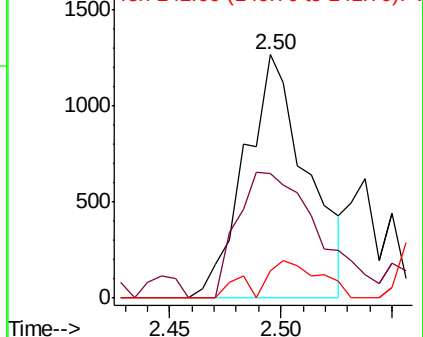
141 9.2 7.0 21.0

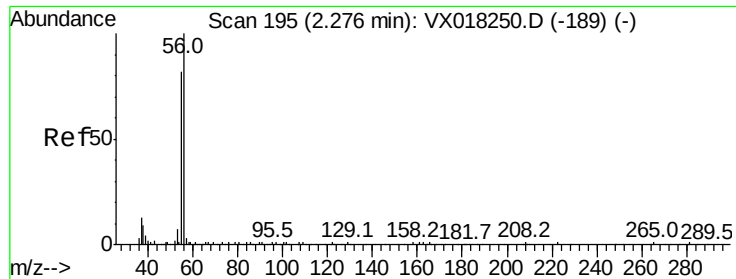


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.750 ug/l

RT: 2.45 min Scan# 223

Delta R.T. 0.17 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

Instrument :

MSVOA_X

ClientSampled :

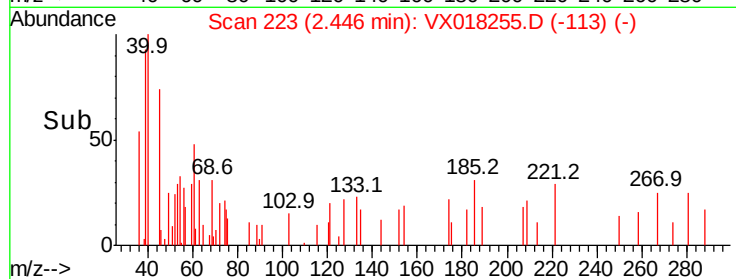
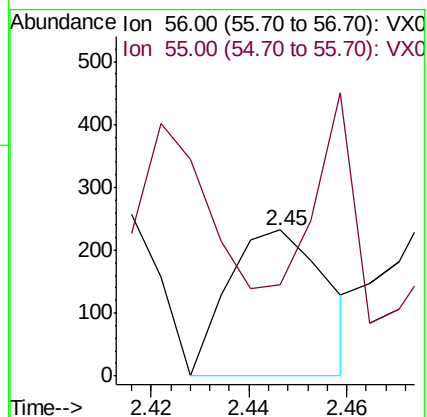
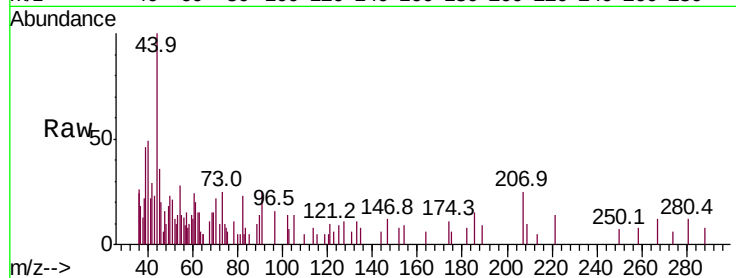
VX0904WBL01

Tot Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 66.0 59.7 89.5



#14

Acrylonitrile

Concen: 0.383 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

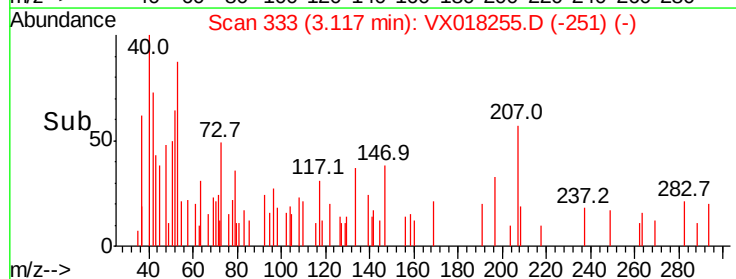
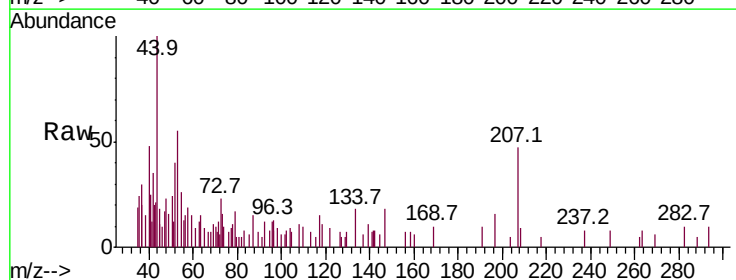
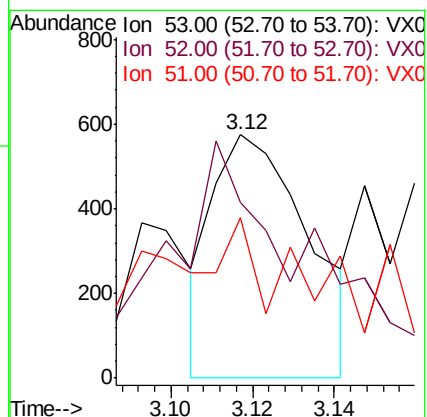
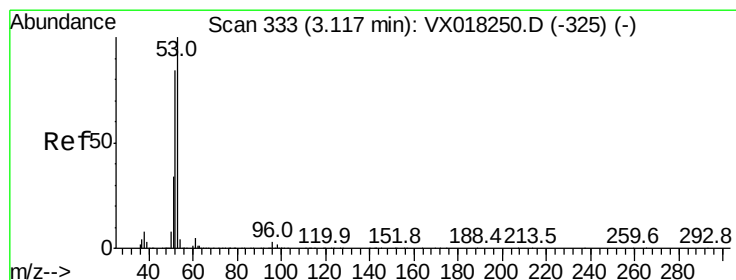
Tgt Ion: 53 Resp: 934

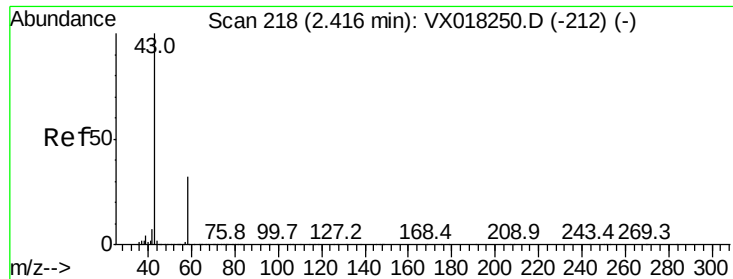
Ion Ratio Lower Upper

53 100

52 25.8 41.9 125.7#

51 24.1 18.3 54.8





#15

Acetone

Concen: 0.297 ug/l

RT: 2.44 min Scan# 222

Delta R.T. 0.02 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

Instrument :

MSVOA_X

ClientSampled :

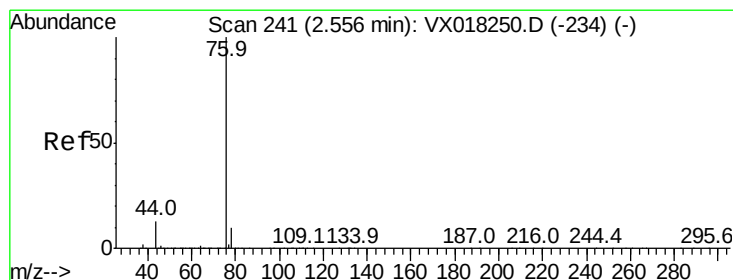
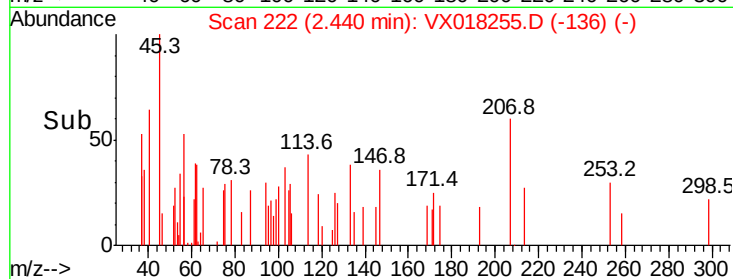
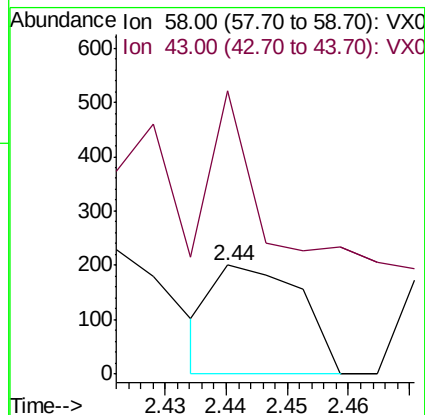
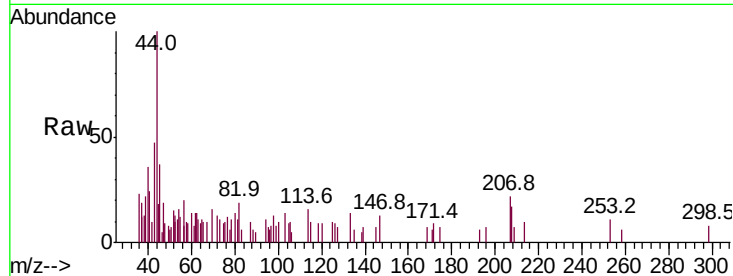
VX0904WBL01

Tot Ion: 58 Resp: 197

Ion Ratio Lower Upper

58 100

43 290.5 248.2 372.2



#16

Carbon Disulfide

Concen: 0.412 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX018255.D

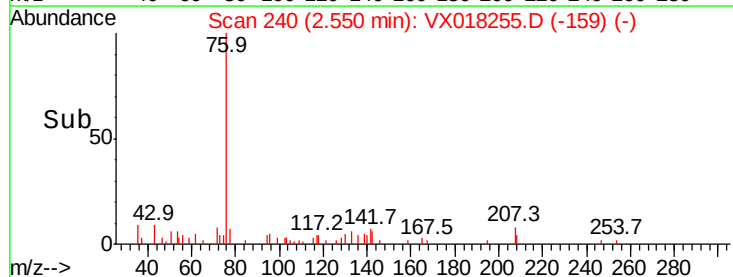
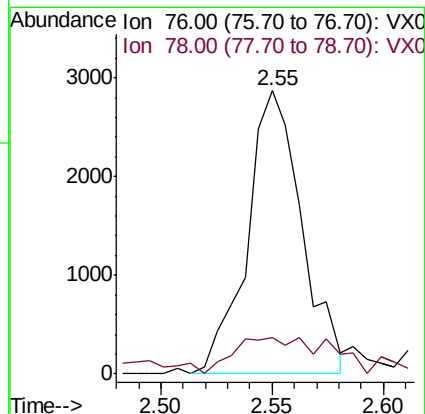
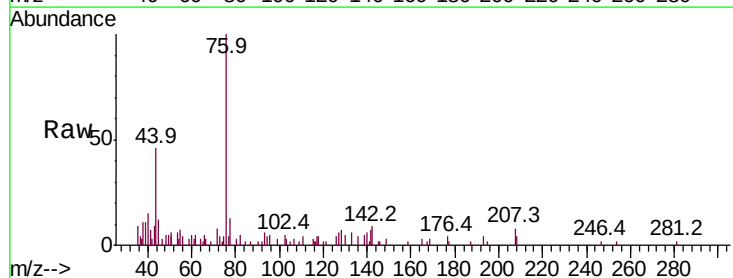
Acq: 04 Sep 2020 13:05

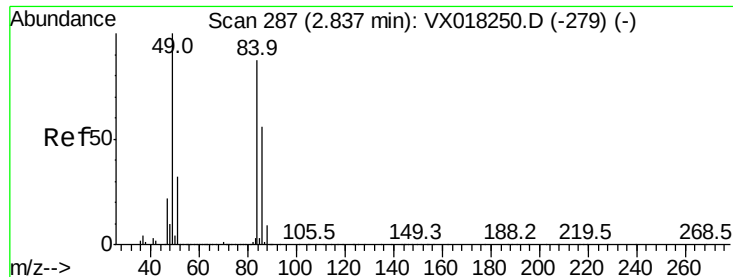
Tgt Ion: 76 Resp: 4904

Ion Ratio Lower Upper

76 100

78 9.7 7.8 11.6

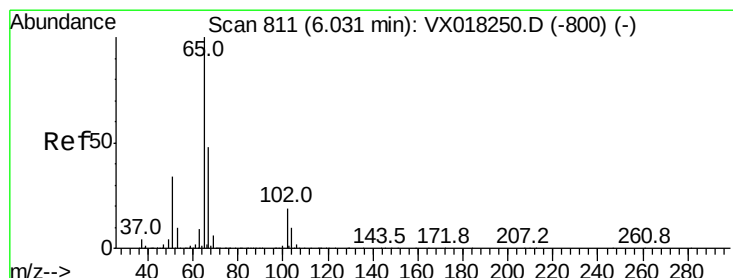
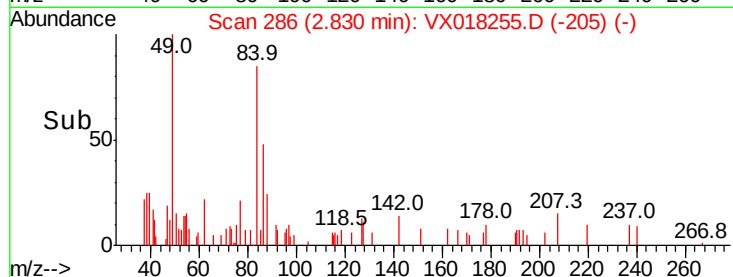
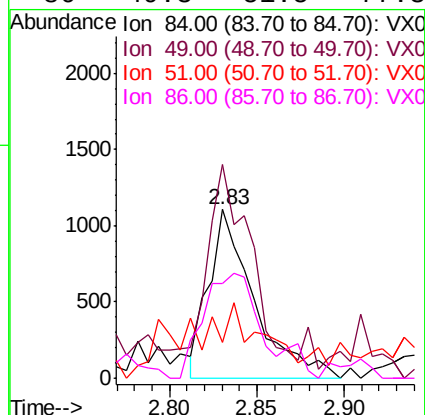
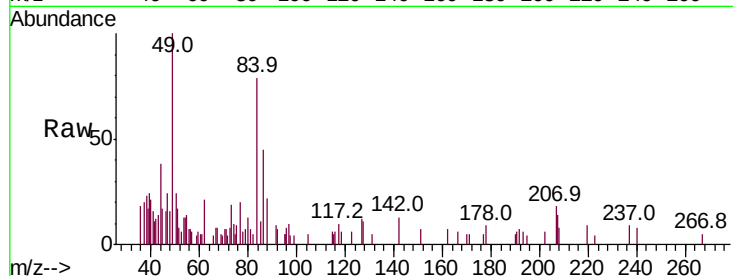




#18
Methylene Chloride
Concen: 0.417 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018255.D
Acq: 04 Sep 2020 13:05

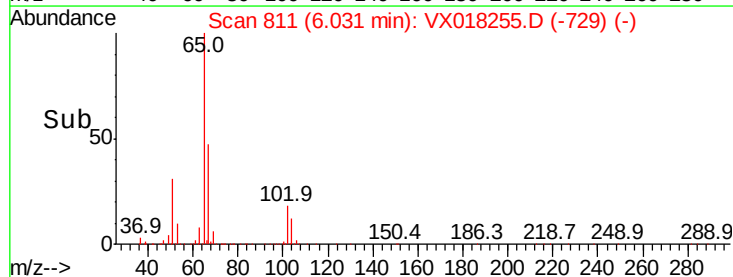
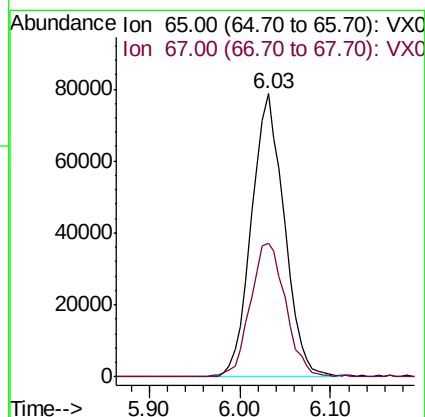
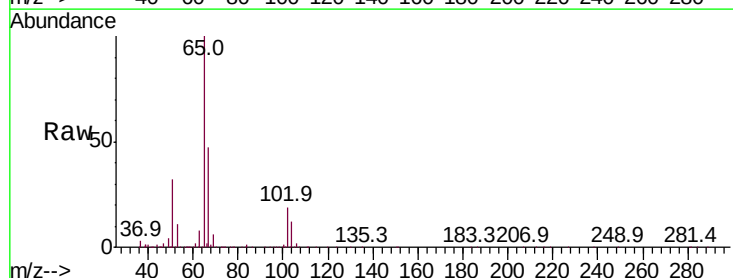
Instrument :
MSVOA_X
ClientSampleId :
VX0904WBL01

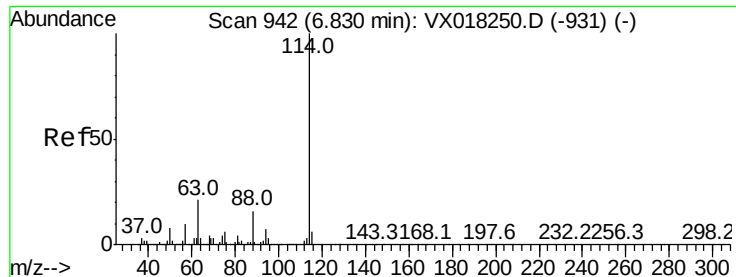
Tot Ion: 84 Resp: 2002
Ion Ratio Lower Upper
84 100
49 110.3 91.6 137.4
51 10.2 29.4 44.0#
86 49.3 51.5 77.3#



#27
1,2-Dichloroethane-d4
Concen: 30.740 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018255.D
Acq: 04 Sep 2020 13:05

Tgt Ion: 65 Resp: 197295
Ion Ratio Lower Upper
65 100
67 50.7 39.9 59.9

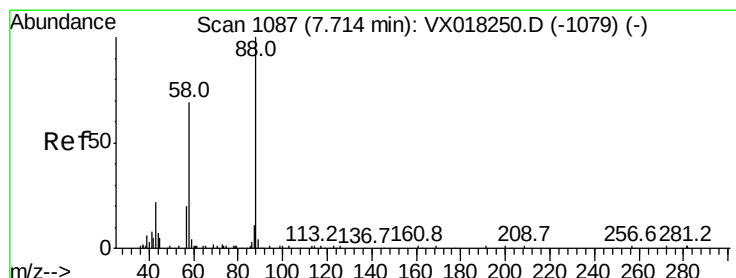
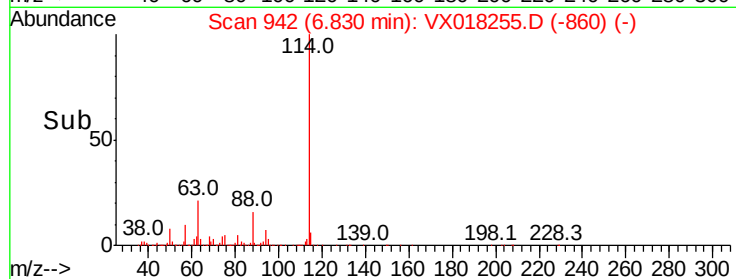
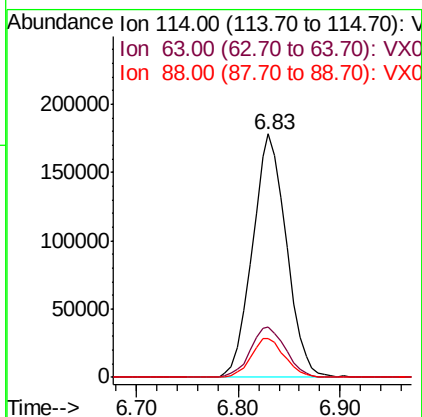
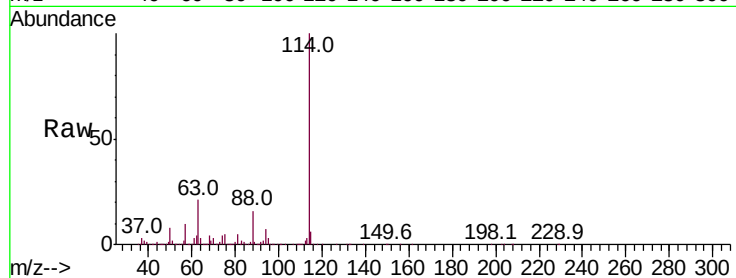




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018255.D
 Acq: 04 Sep 2020 13:05

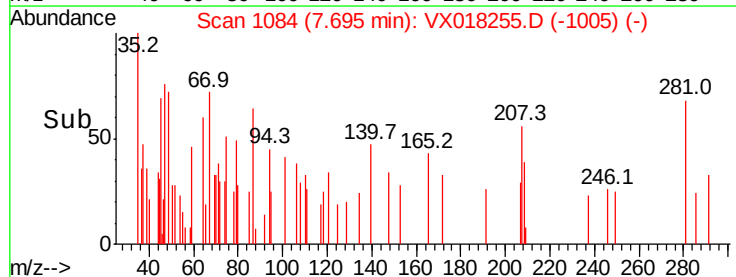
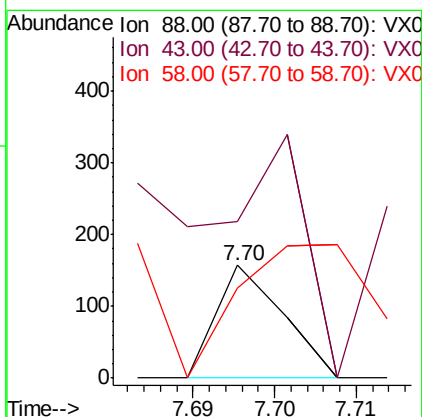
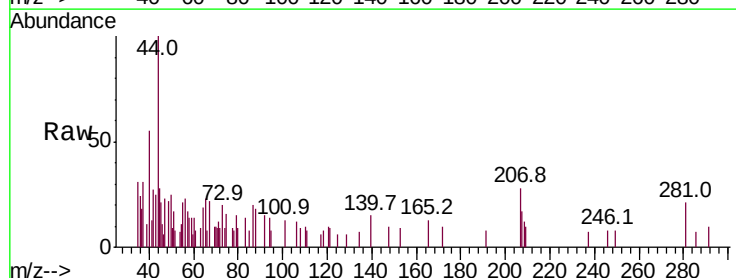
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBL01

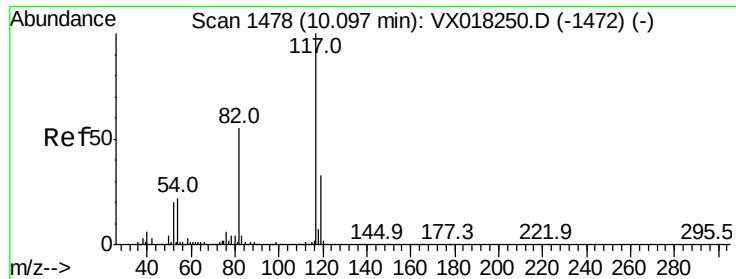
Tot Ion:114 Resp: 412345
 Ion Ratio Lower Upper
 114 100
 63 21.5 16.7 25.1
 88 16.0 12.6 18.8



#45
 1,4-Dioxane
 Concen: 0.954 ug/l
 RT: 7.70 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: VX018255.D
 Acq: 04 Sep 2020 13:05

Tgt Ion: 88 Resp: 88
 Ion Ratio Lower Upper
 88 100
 43 231.8 13.6 20.4#
 58 280.7 58.2 87.4#

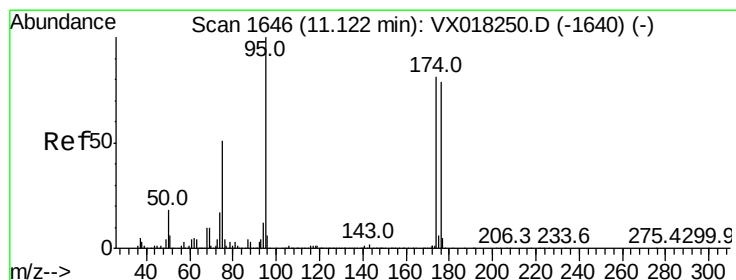
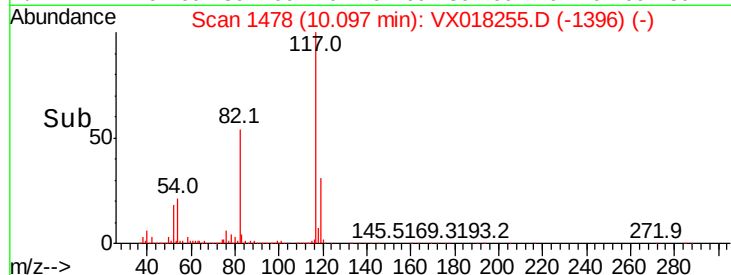
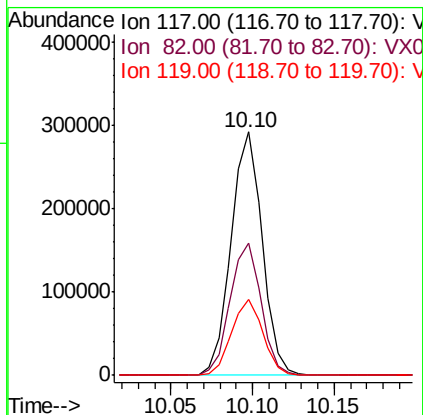
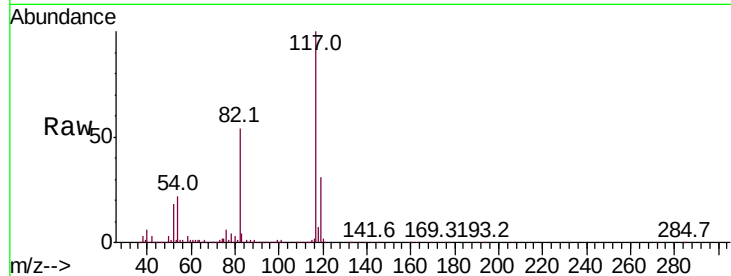




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018255.D
Acq: 04 Sep 2020 13:05

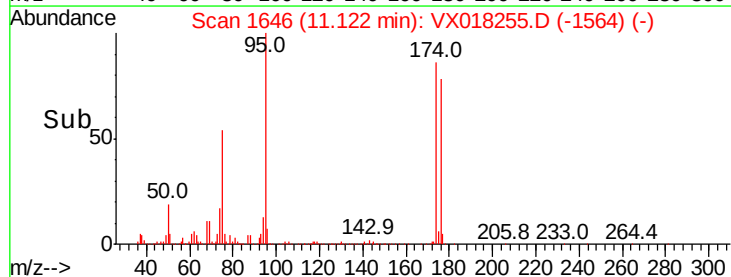
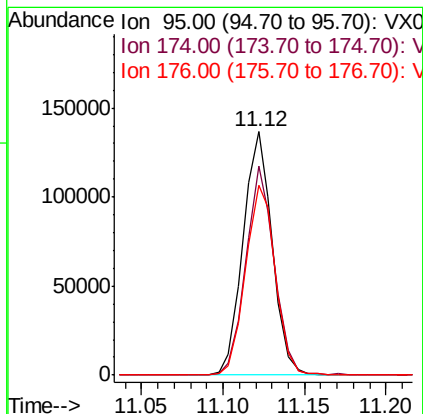
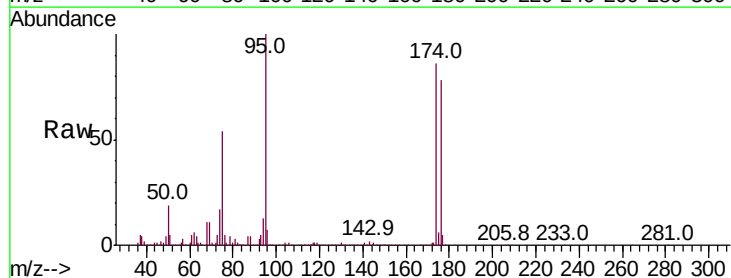
Instrument :
MSVOA_X
ClientSampleId :
VX0904WBL01

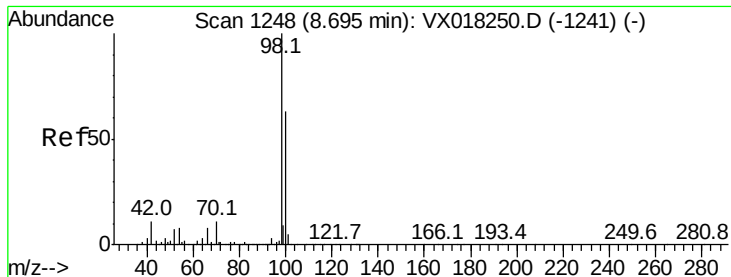
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.4
119	31.6	26.1	39.1



#60
4-Bromofluorobenzene
Concen: 25.323 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018255.D
Acq: 04 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	64.2	96.4
176	79.9	62.2	93.4





#63

Toluene-d8

Concen: 28.970 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

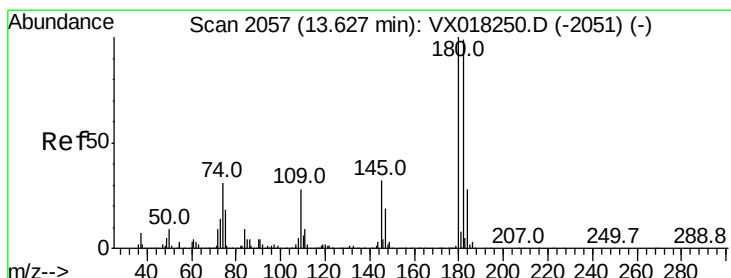
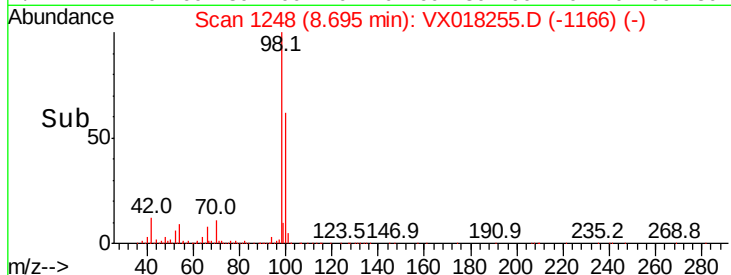
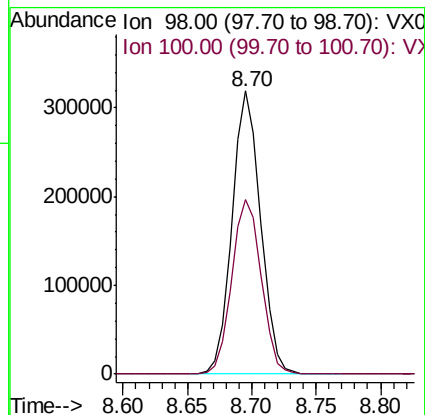
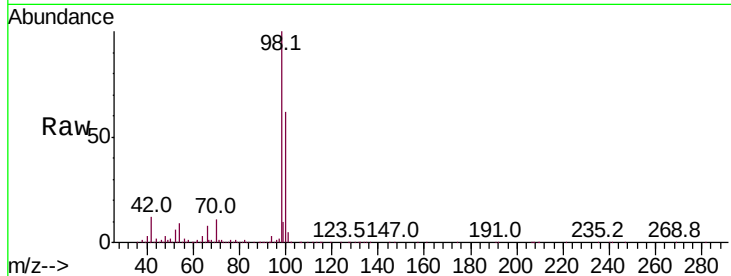
VX0904WBL01

Tot Ion: 98 Resp: 494544

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



#89

1,2,4-Trichlorobenzene

Concen: 0.268 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018255.D

Acq: 04 Sep 2020 13:05

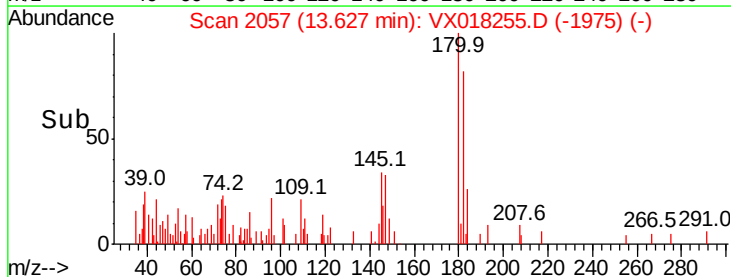
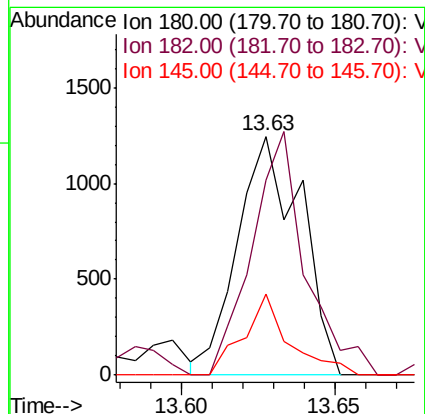
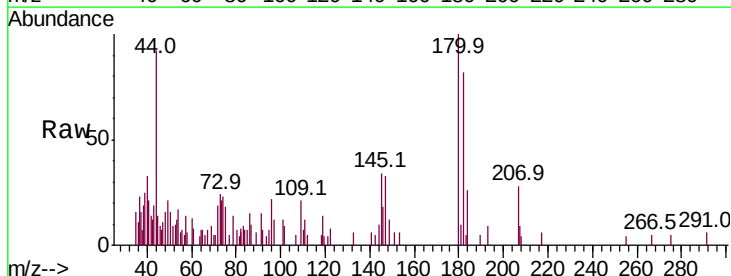
Tgt Ion:180 Resp: 1797

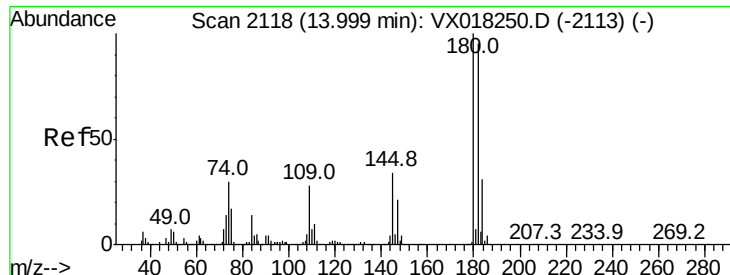
Ion Ratio Lower Upper

180 100

182 86.0 77.1 115.7

145 24.4 25.0 37.6#

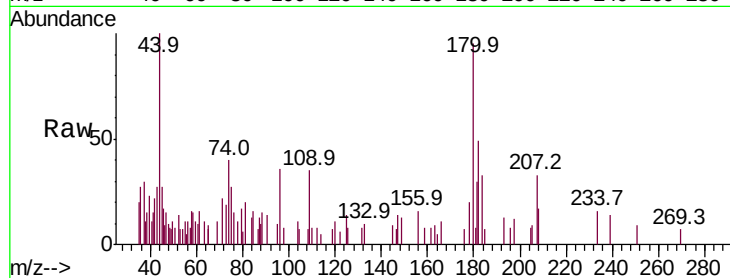




#92
 1,2,3-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 13.99 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: VX018255.D
 Acq: 04 Sep 2020 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.1	0.0	191.6
145	18.3	0.0	67.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

