

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015993.D
 Acq On : 30 Apr 2020 14:12
 Operator : JC/SP
 Sample : VX0430WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 01 07:54:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	286038	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	251220	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	119568	31.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.40%
60) 4-Bromofluorobenzene	11.12	95	119206	28.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.33%
63) Toluene-d8	8.70	98	334345	31.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.40%

Target Compounds

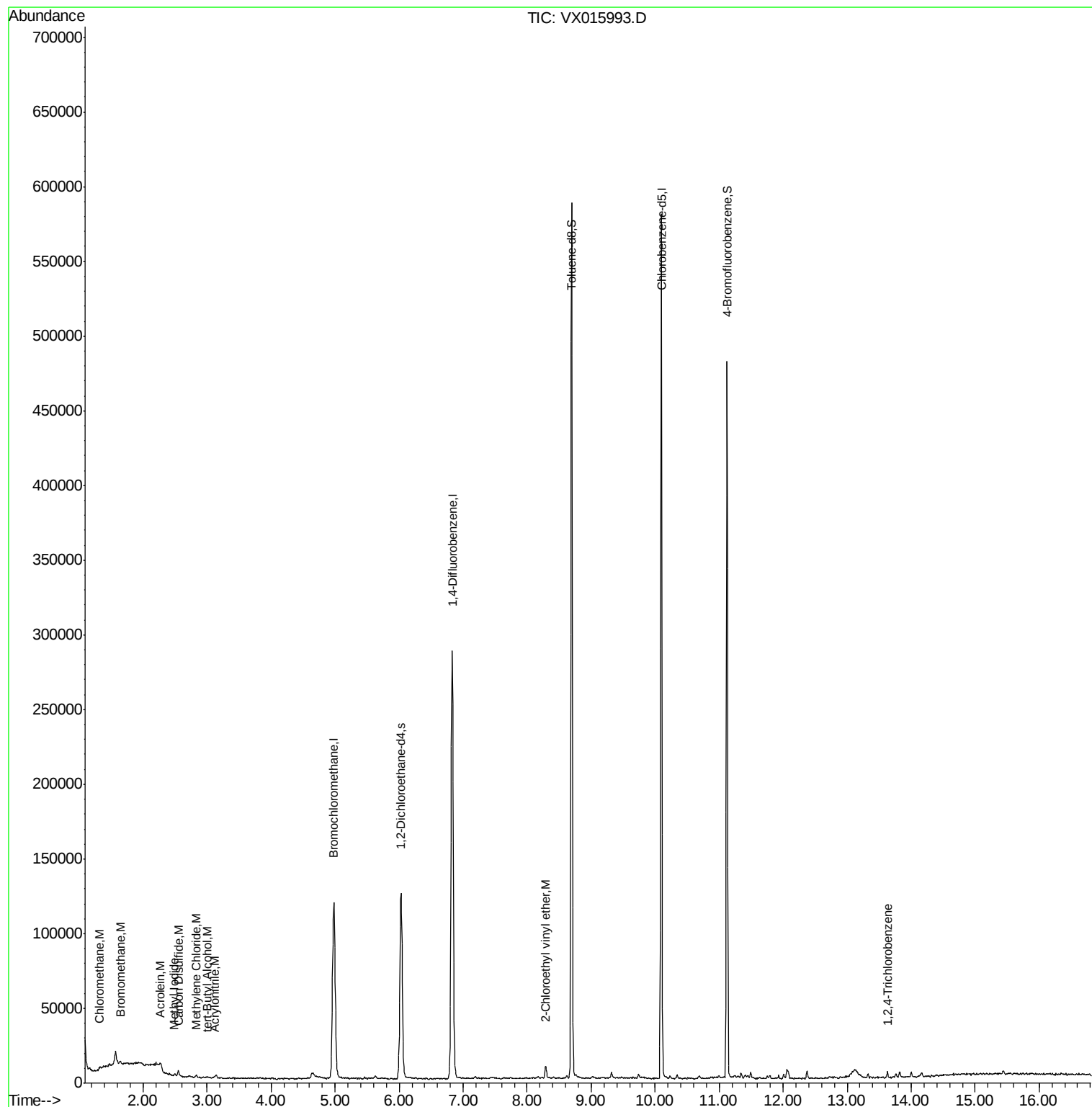
					Ovalue
3) Chloromethane	1.31	50	934	0.276 ug/l	89
5) Bromomethane	1.64	94	839	0.356 ug/l	93
11) Methyl Iodide	2.50	142	1203	0.307 ug/l	88
13) Acrolein	2.27	56	760	1.892 ug/l	96
14) Acrylonitrile	3.12	53	811	0.438 ug/l	86
16) Carbon Disulfide	2.55	76	4360	0.499 ug/l	97
18) Methylene Chloride	2.83	84	667	0.207 ug/l	92
23) tert-Butyl Alcohol	3.00	59	384	0.424 ug/l #	93
55) 2-Chloroethyl vinyl ether	8.29	63	3377	1.139 ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	987	0.201 ug/l	97

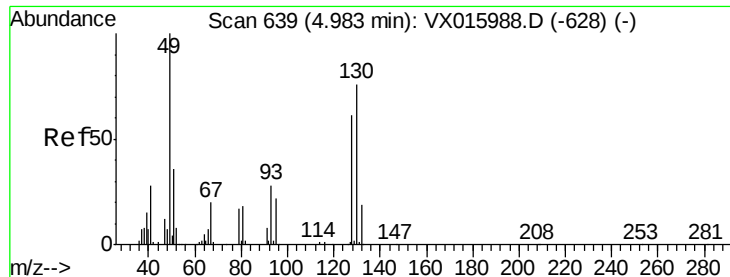
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 01 07:54:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

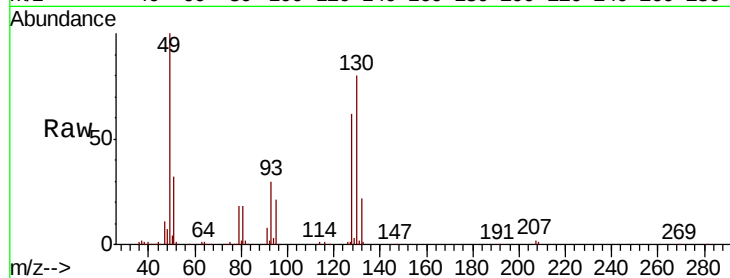
Tot Ion:128 Resp: 50161

Ion Ratio Lower Upper

128 100

49 163.8 0.0 418.5

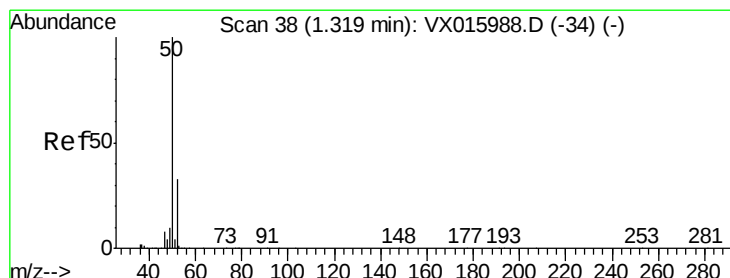
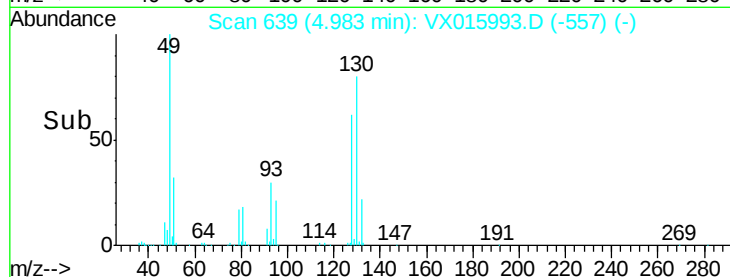
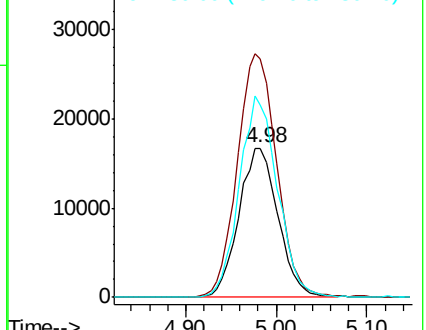
130 131.7 0.0 326.3



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



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015993.D

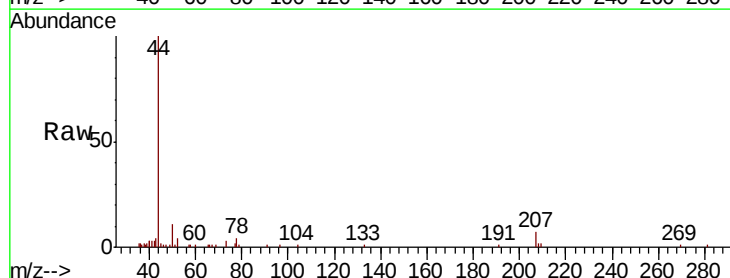
Acq: 30 Apr 2020 14:12

Tgt Ion: 50 Resp: 934

Ion Ratio Lower Upper

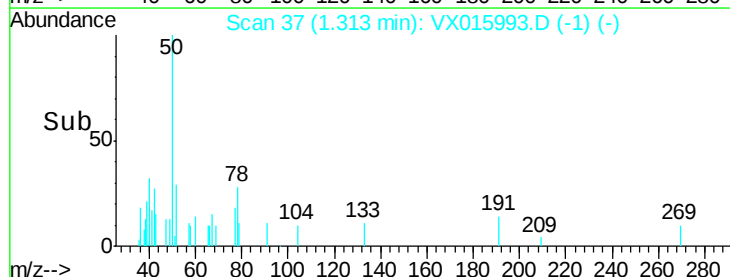
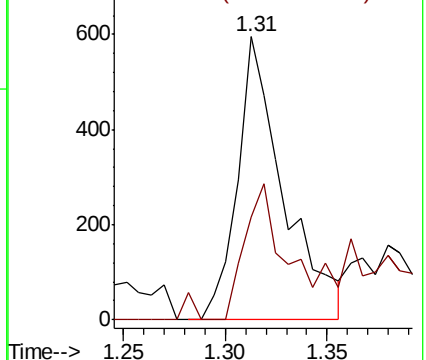
50 100

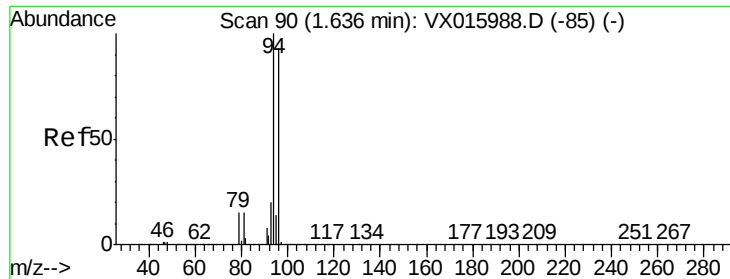
52 26.9 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.356 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

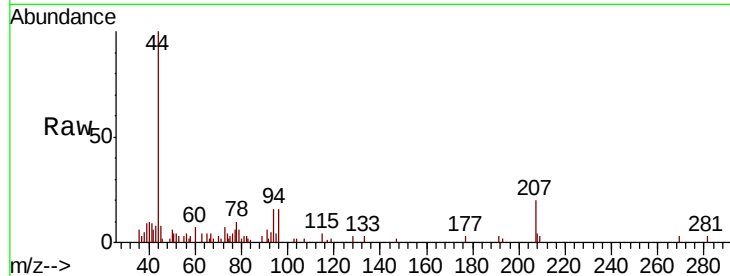
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 839

Ion Ratio Lower Upper

94 100

96 85.8 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VX015988.D (-85) (-)

Ion 96.00 (95.70 to 96.70): VX015988.D (-85) (-)

1.64

600

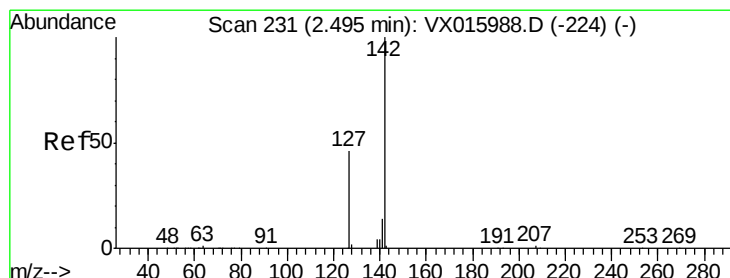
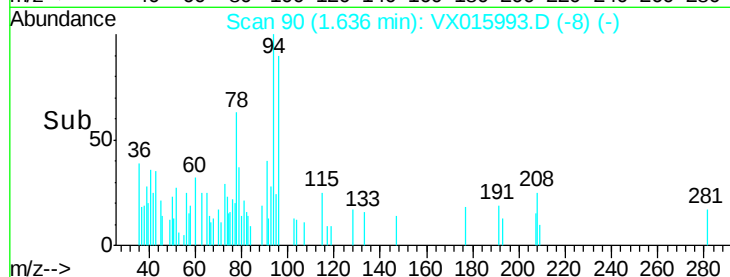
400

200

0

1.60 1.65

Time-->



#11

Methyl Iodide

Concen: 0.307 ug/l

RT: 2.50 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

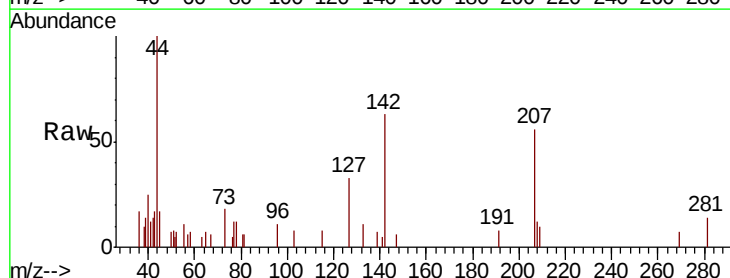
Tgt Ion: 142 Resp: 1203

Ion Ratio Lower Upper

142 100

127 52.8 22.8 68.4

141 8.6 7.0 21.1



Abundance Ion 142.00 (141.70 to 142.70): VX015988.D (-224) (-)

Ion 127.00 (126.70 to 127.70): VX015988.D (-224) (-)

Ion 141.00 (140.70 to 141.70): VX015988.D (-224) (-)

2.50

800

600

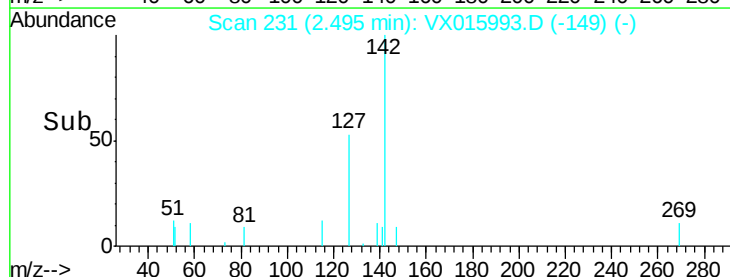
400

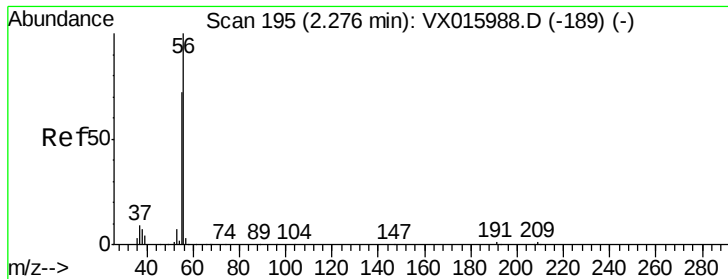
200

0

2.45 2.50 2.55

Time-->





#13

Acrolein

Concen: 1.892 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

Instrument :

MSVOA_X

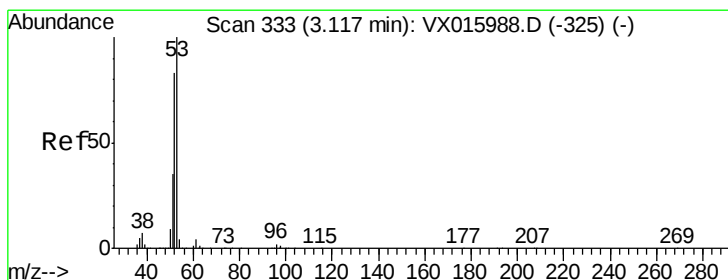
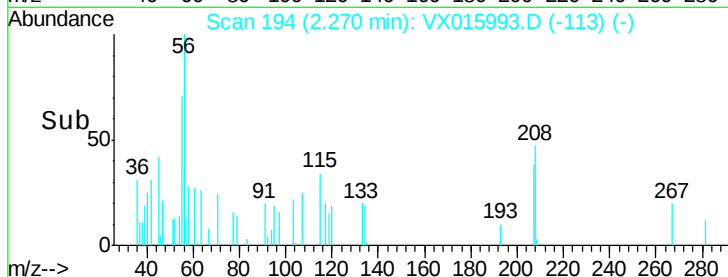
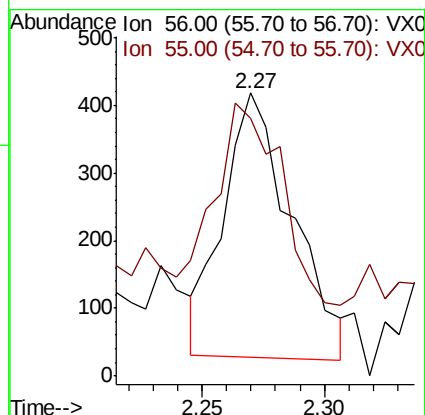
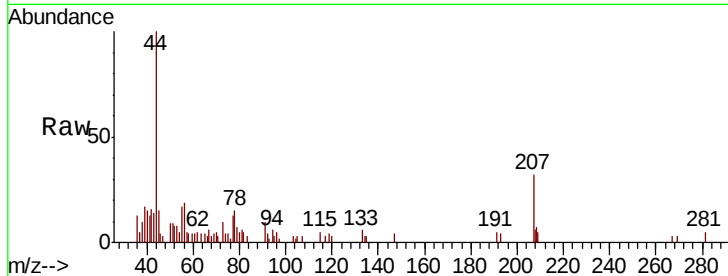
ClientSampled :

Tot Ion: 56 Resp: 760

Ion Ratio Lower Upper

56 100

55 73.3 56.2 84.4



#14

Acrylonitrile

Concen: 0.438 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

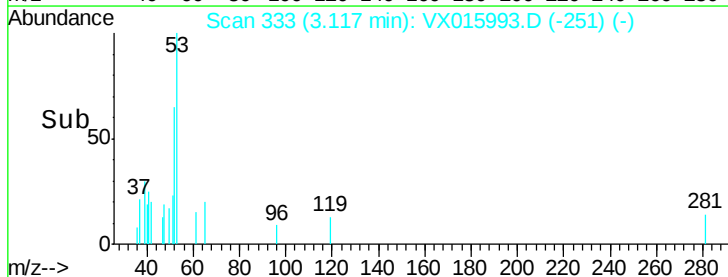
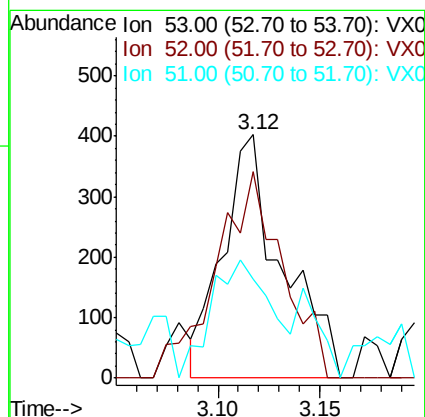
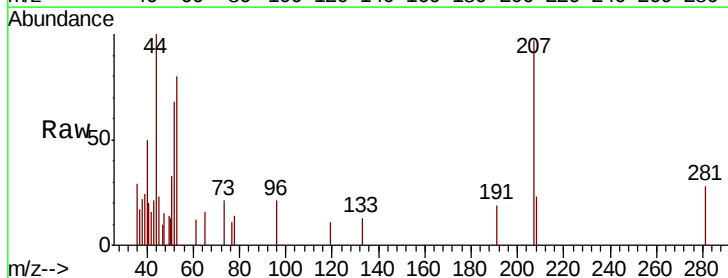
Tgt Ion: 53 Resp: 811

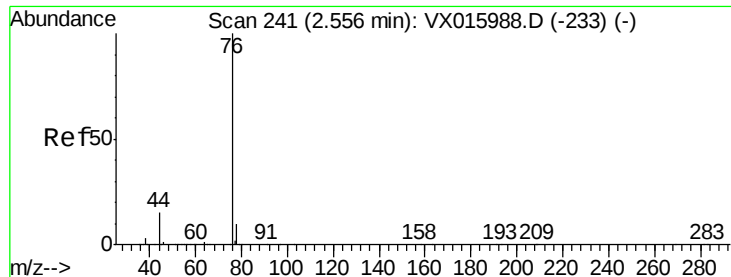
Ion Ratio Lower Upper

53 100

52 91.0 41.2 123.6

51 49.6 17.8 53.5

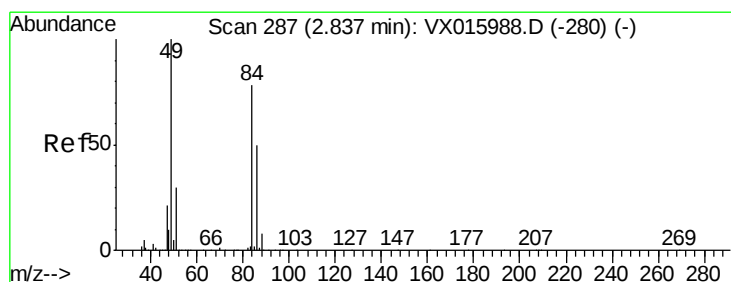
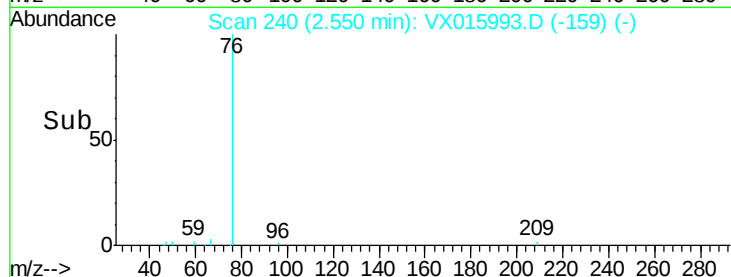
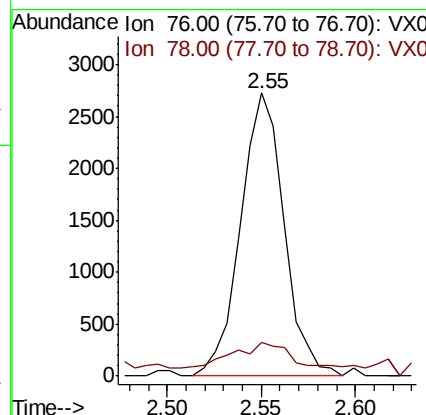
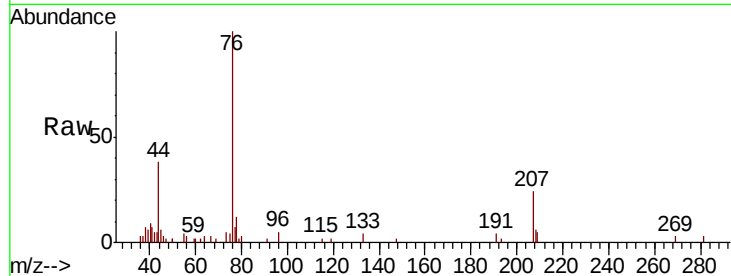




#16
Carbon Disulfide
Concen: 0.499 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.01 min
Lab File: VX015993.D
Acq: 30 Apr 2020 14:12

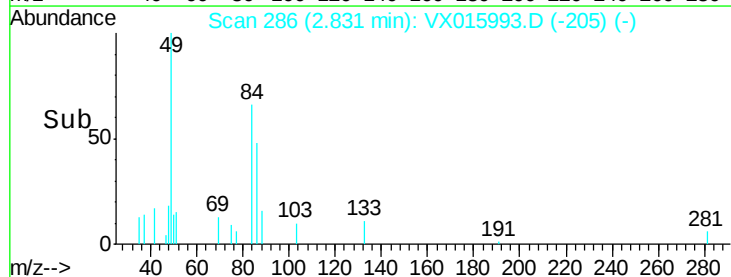
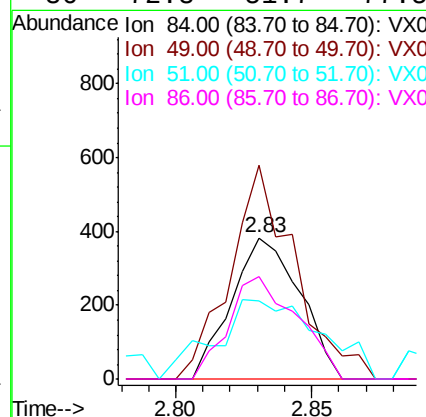
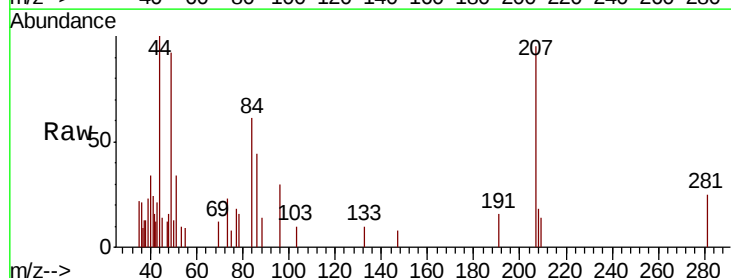
Instrument :
MSVOA_X
ClientSampleId :

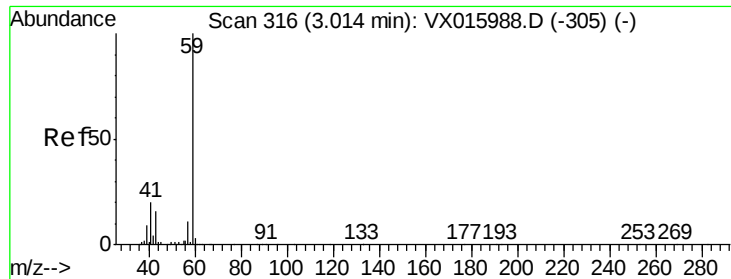
Tot Ion: 76 Resp: 4360
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#18
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015993.D
Acq: 30 Apr 2020 14:12

Tgt Ion: 84 Resp: 667
Ion Ratio Lower Upper
84 100
49 137.3 103.0 154.4
51 35.2 31.4 47.0
86 72.8 51.7 77.5



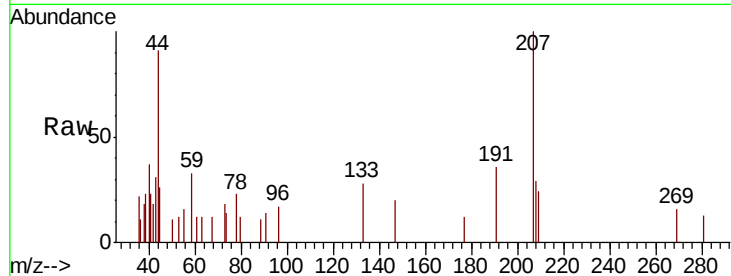


#23

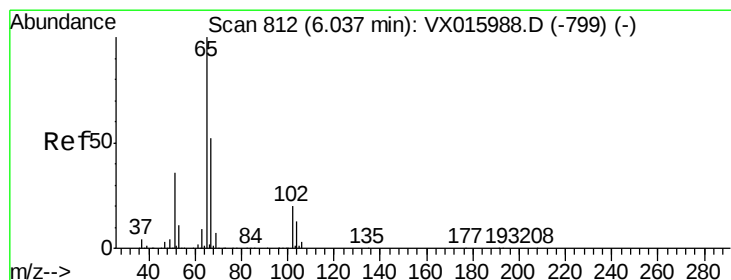
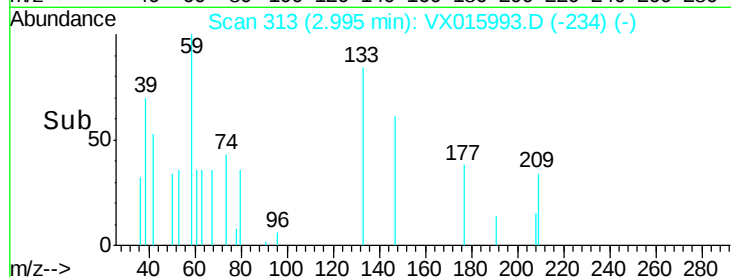
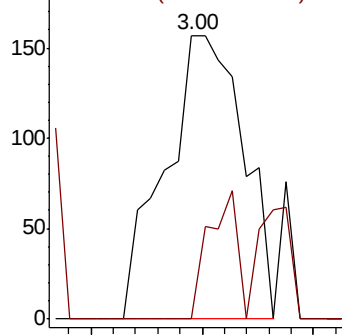
tert-Butyl Alcohol
 Concen: 0.424 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX015993.D
 Acq: 30 Apr 2020 14:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 59 Resp: 384
 Ion Ratio Lower Upper
 59 100
 52 16.4 0.1 0.1#



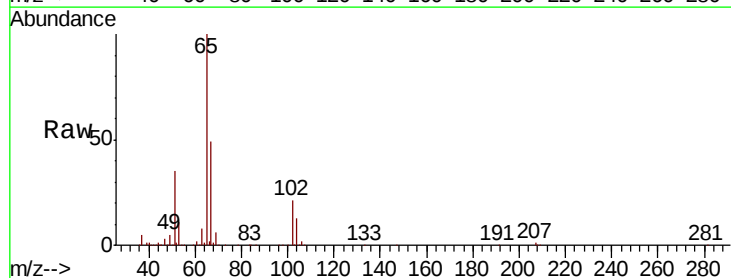
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



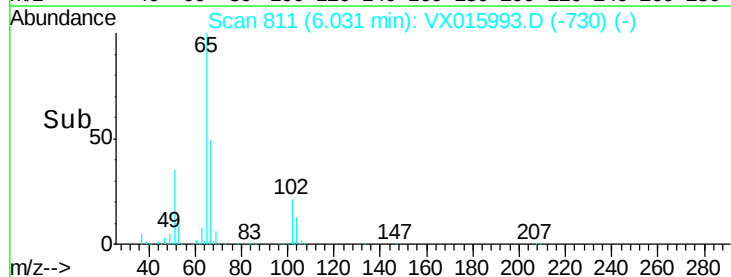
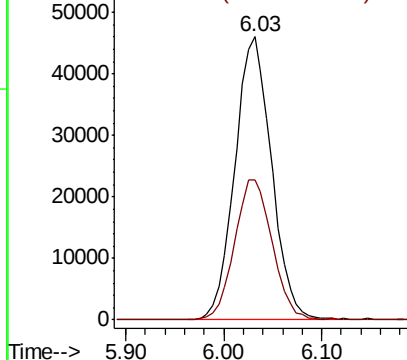
#27

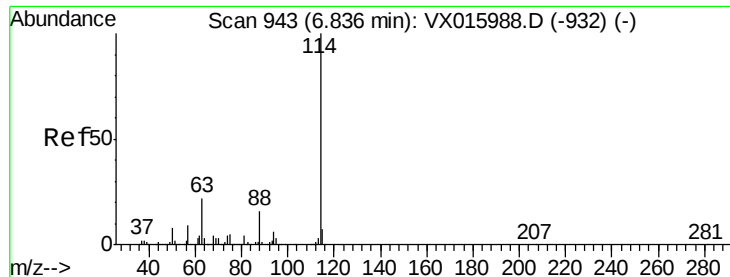
1,2-Dichloroethane-d4
 Concen: 31.016 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX015993.D
 Acq: 30 Apr 2020 14:12

Tgt Ion: 65 Resp: 119568
 Ion Ratio Lower Upper
 65 100
 67 50.9 41.0 61.4



Abundance Ion 65.00 (64.70 to 65.70): VX0
 Ion 67.00 (66.70 to 67.70): VX0

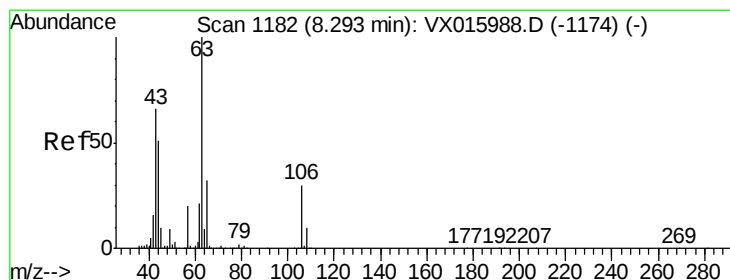
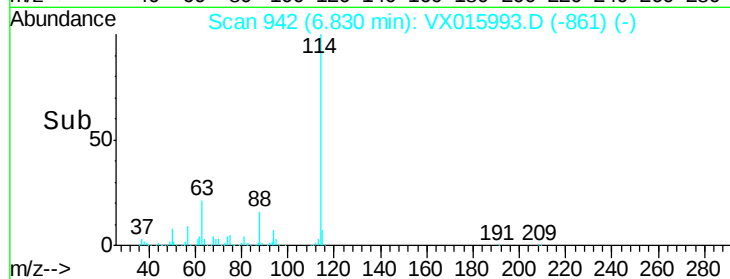
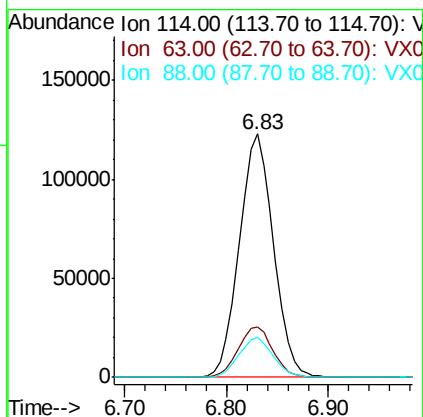
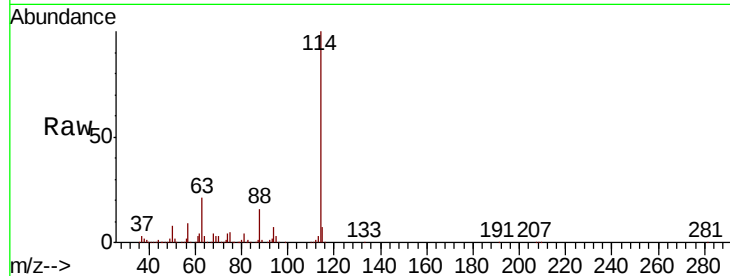




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX015993.D
 Acq: 30 Apr 2020 14:12

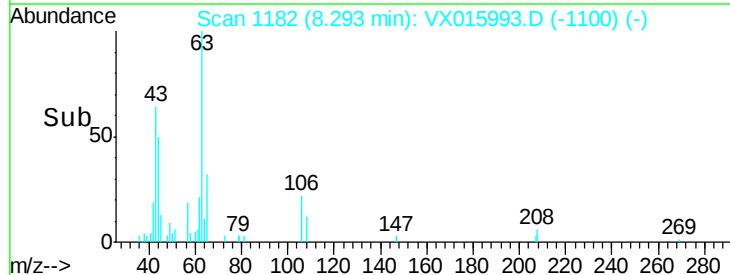
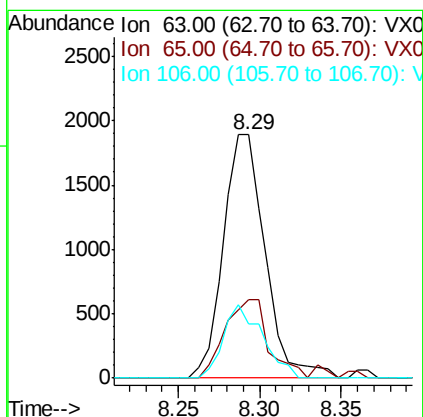
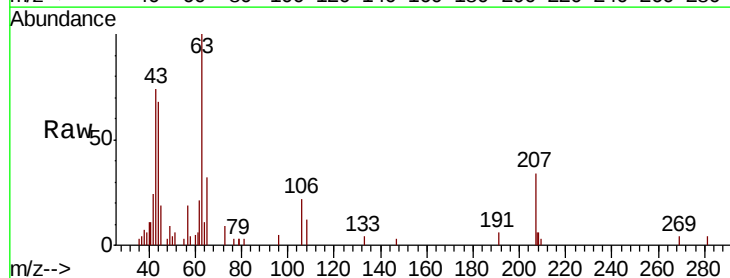
Instrument :
 MSVOA_X
 ClientSampleId :

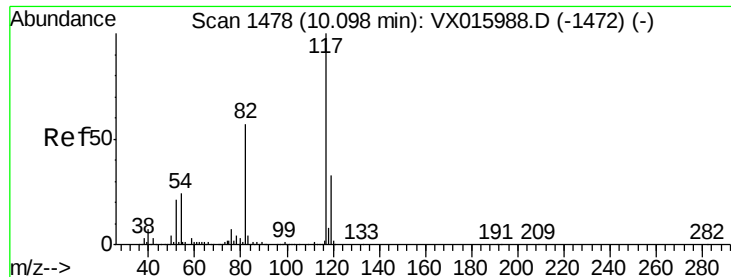
Tot Ion:114 Resp: 286038
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.1 25.7
 88 16.1 13.0 19.4



#55
 2-Chloroethyl vinyl ether
 Concen: 1.139 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX015993.D
 Acq: 30 Apr 2020 14:12

Tgt Ion: 63 Resp: 3377
 Ion Ratio Lower Upper
 63 100
 65 33.5 25.6 38.4
 106 28.2 23.4 35.0

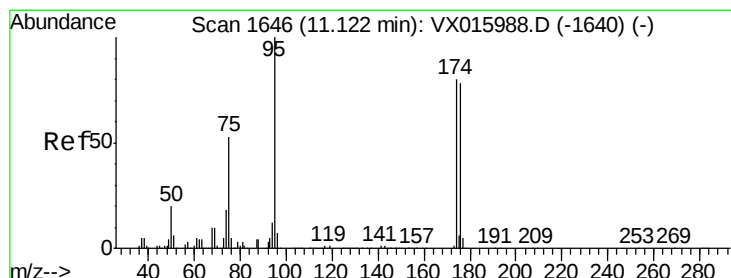
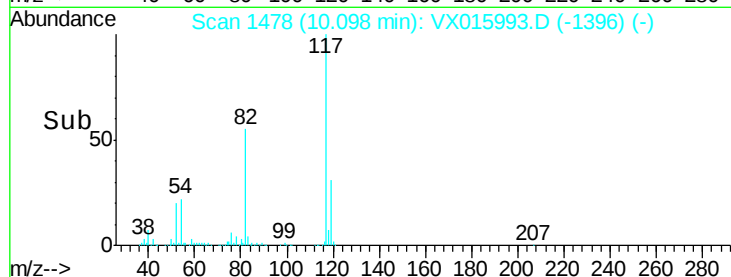
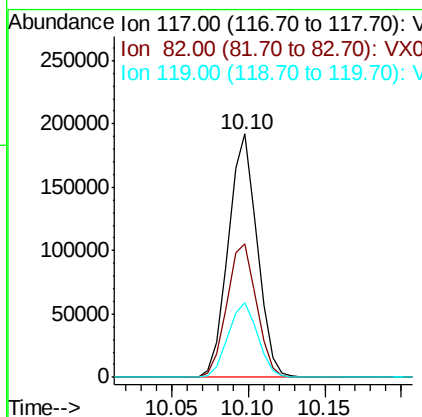
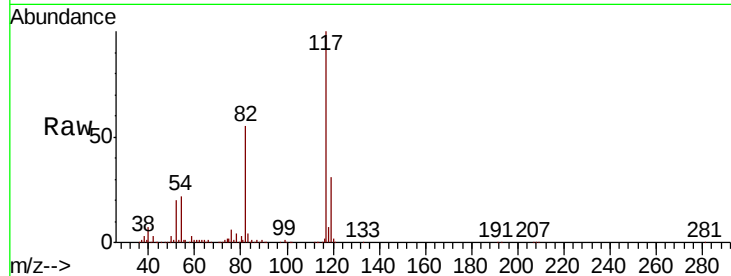




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015993.D
Acq: 30 Apr 2020 14:12

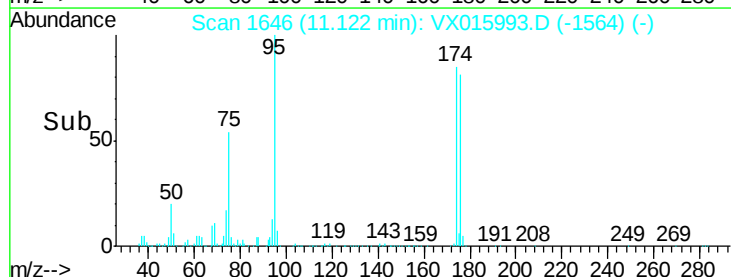
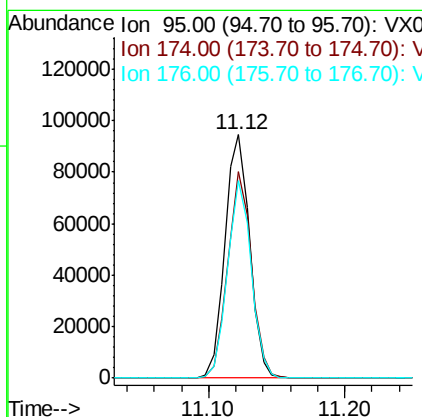
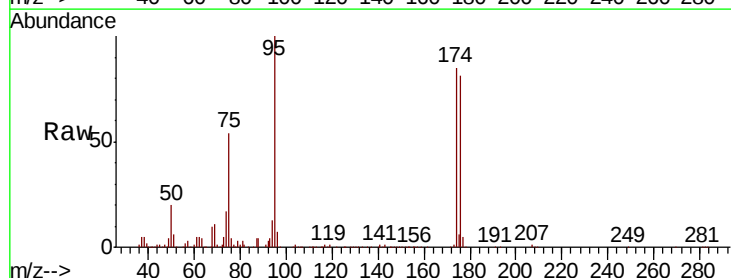
Instrument :
MSVOA_X
ClientSampled :

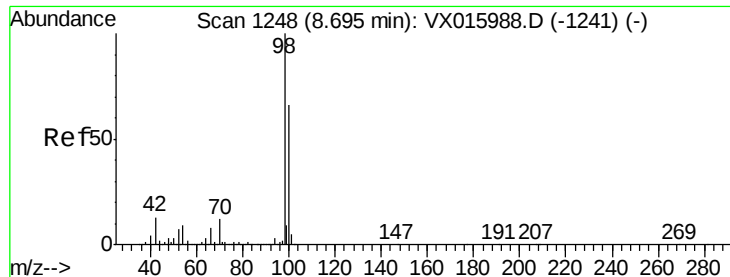
Tot Ion:117 Resp: 251220
Ion Ratio Lower Upper
117 100
82 56.4 45.1 67.7
119 31.5 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 28.296 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015993.D
Acq: 30 Apr 2020 14:12

Tgt Ion: 95 Resp: 119206
Ion Ratio Lower Upper
95 100
174 81.7 64.8 97.2
176 78.3 62.4 93.6





#63

Toluene-d8

Concen: 31.024 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

Instrument :

MSVOA_X

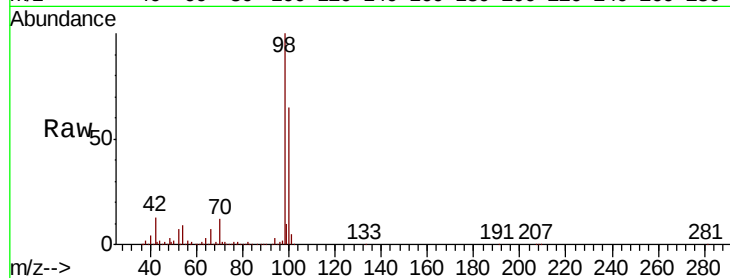
ClientSampleId :

Tot Ion: 98 Resp: 334345

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

250000

200000

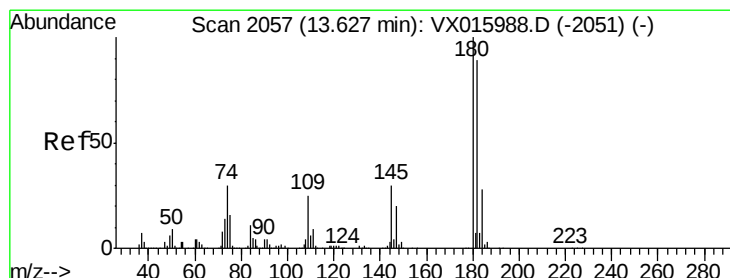
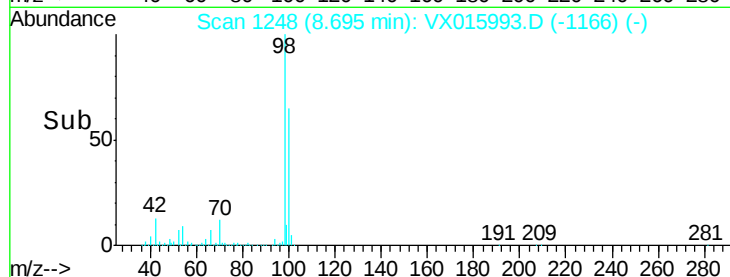
150000

100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#89

1,2,4-Trichlorobenzene

Concen: 0.201 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX015993.D

Acq: 30 Apr 2020 14:12

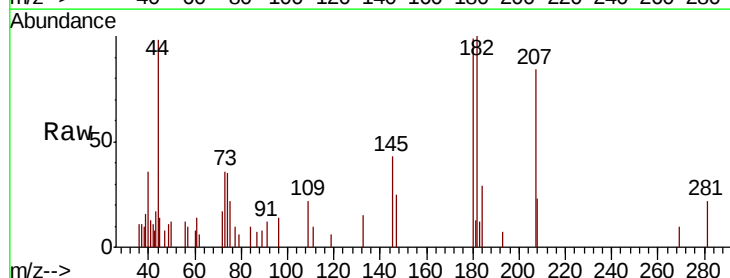
Tgt Ion:180 Resp: 987

Ion Ratio Lower Upper

180 100

182 92.4 75.0 112.6

145 35.2 23.9 35.9



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

13.63

1000

800

600

400

200

0

Time--> 13.60 13.65

