

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018241.D
 Acq On : 03 Sep 2020 17:38
 Operator : JC/SP
 Sample : L3903-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 04 01:22:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	431135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	706224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	673302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	331949	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	323375	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
35) Dibromofluoromethane	5.46	113	252411	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	8.70	98	854246	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.12	95	311296	44.17	ug/l	0.00
Spiked Amount			Recovery	=	88.34%	

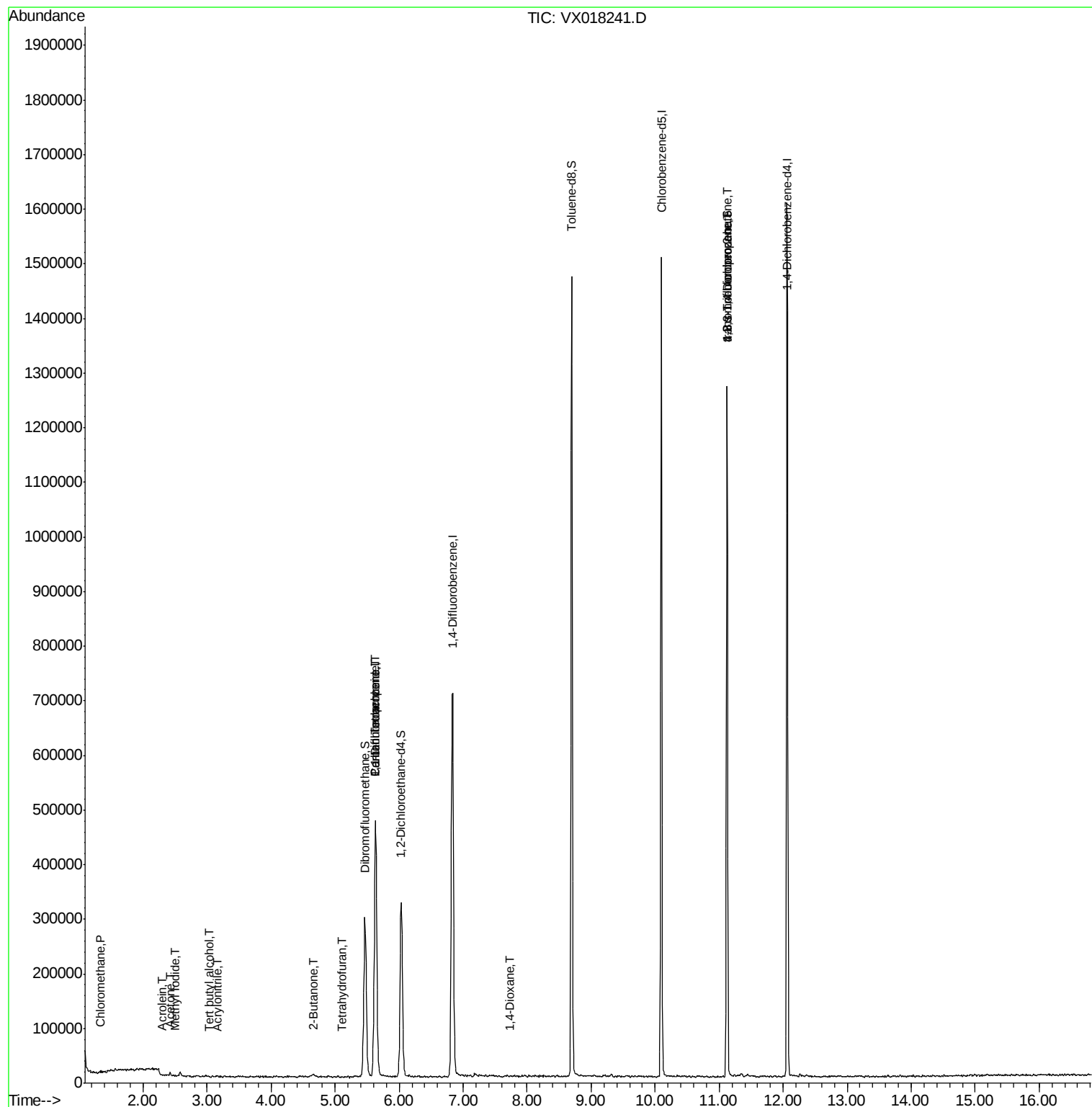
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1349	0.244	ug/l #	58
10) Methyl Iodide	2.51	142	237	5.335	ug/l #	17
11) Tert butyl alcohol	3.03	59	335	0.288	ug/l #	1
13) Acrolein	2.29	56	186	0.385	ug/l #	37
15) Acrylonitrile	3.17	53	586	0.222	ug/l #	65
16) Acetone	2.42	43	5509	2.362	ug/l #	78
20) Methylene Chloride	2.83	84	1039	Below Cal	#	47
25) 2-Butanone	4.65	43	1408	0.367	ug/l #	50
29) Tetrahydrofuran	5.10	42	639	0.262	ug/l	93
36) 1,1-Dichloropropene	5.63	75	33736	5.179	ug/l #	53
38) Carbon Tetrachloride	5.62	117	46009	6.268	ug/l #	17
49) 1,4-Dioxane	7.73	88	201	1.824	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	161032	21.807	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	161032	58.898	ug/l #	12

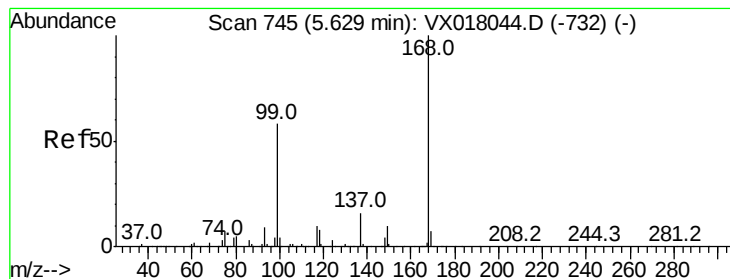
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

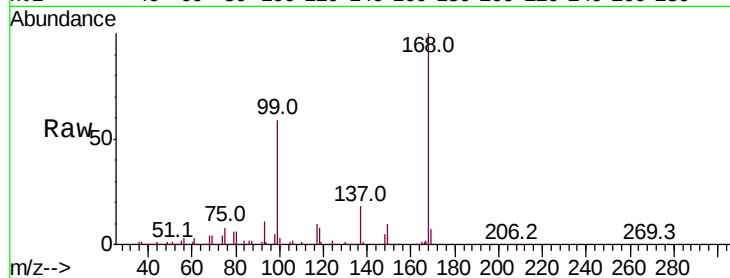
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 431135

Ion Ratio Lower Upper

168 100

99 58.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

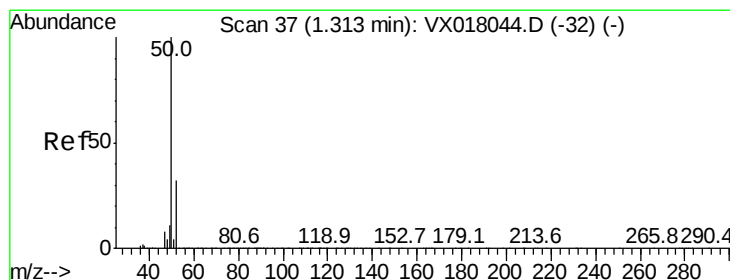
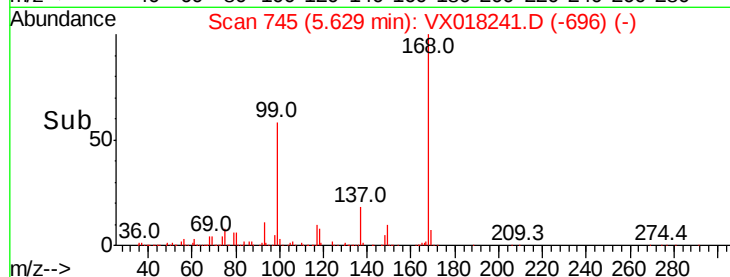
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018241.D

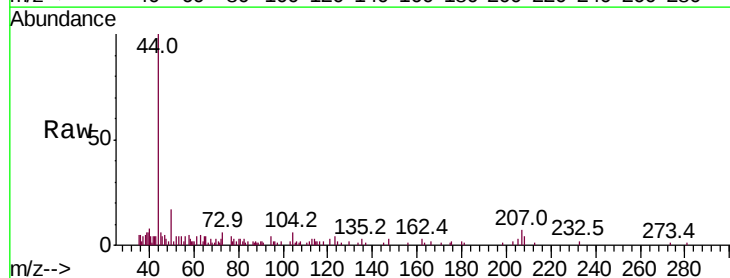
Acq: 03 Sep 2020 17:38

Tgt Ion: 50 Resp: 1349

Ion Ratio Lower Upper

50 100

52 8.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

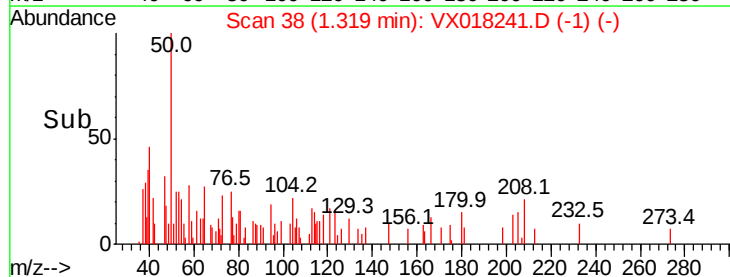
600

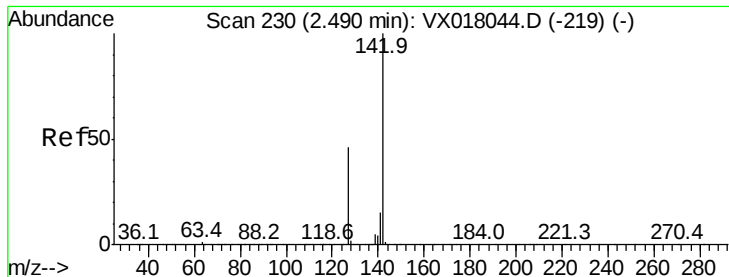
400

200

0

Time-->





#10

Methyl Iodide

Concen: 5.335 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

ClientSampled :

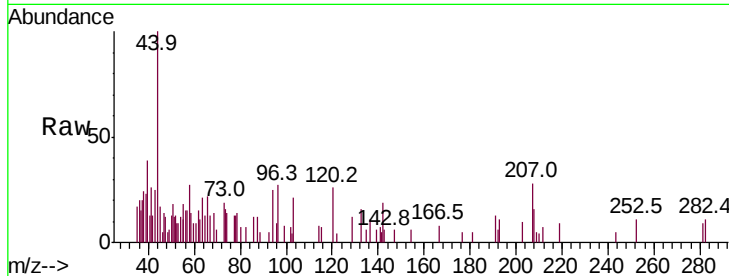
Tot Ion:142 Resp: 237

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

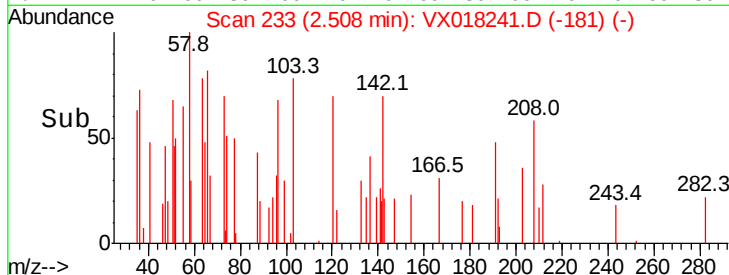
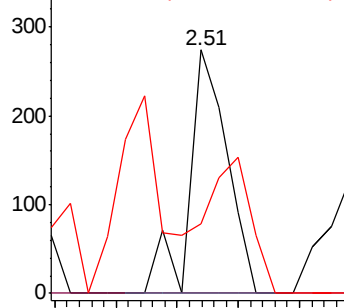
141 66.2 11.5 17.3#



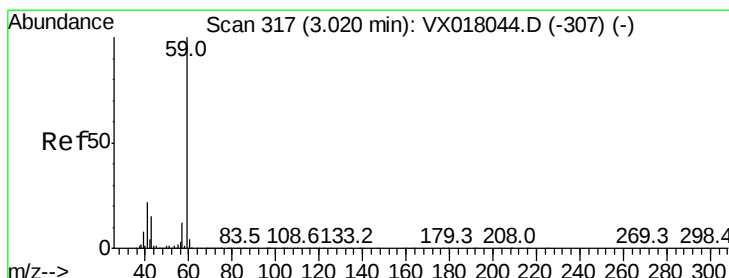
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: 0.288 ug/l

RT: 3.03 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX018241.D

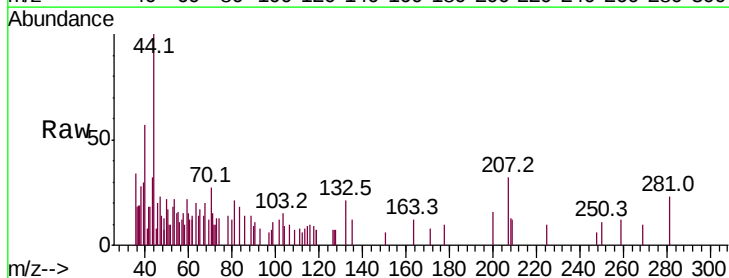
Acq: 03 Sep 2020 17:38

Tgt Ion: 59 Resp: 335

Ion Ratio Lower Upper

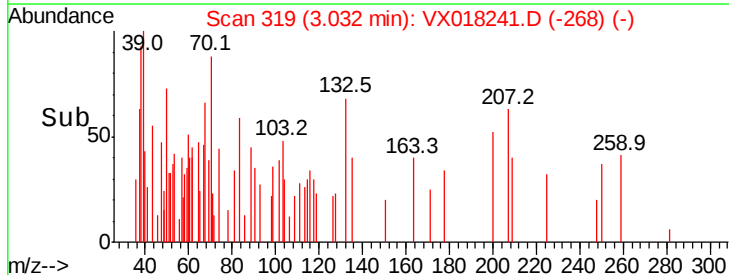
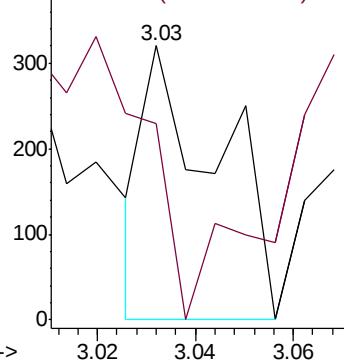
59 100

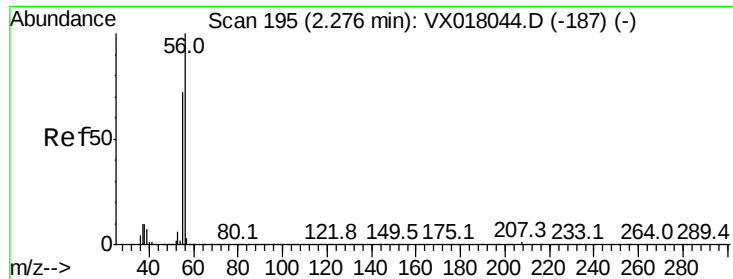
57 166.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.385 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

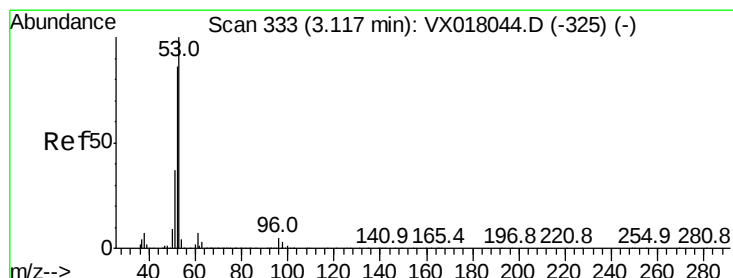
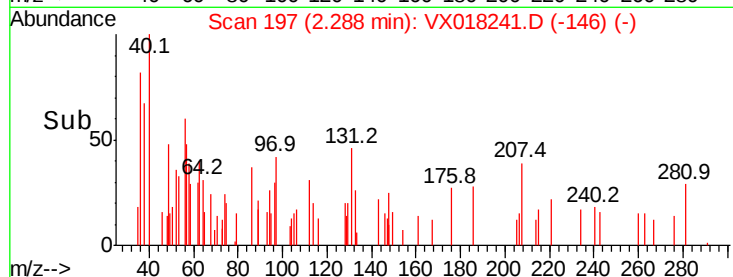
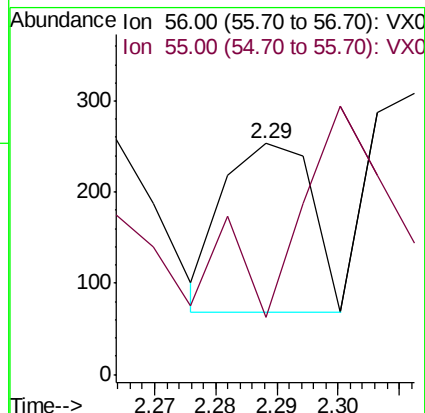
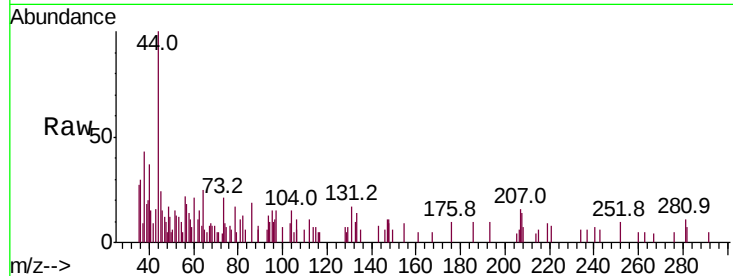
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 123.7 57.0 85.6#



#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.05 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

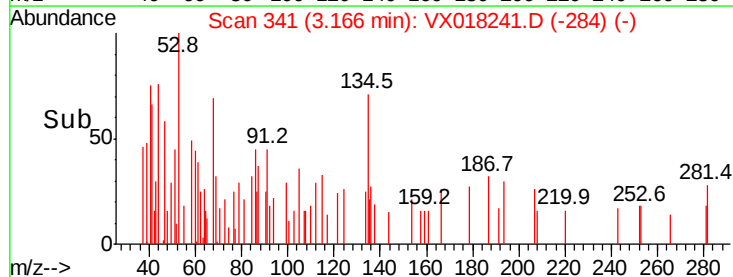
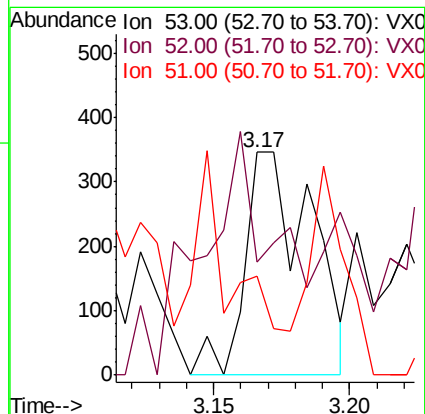
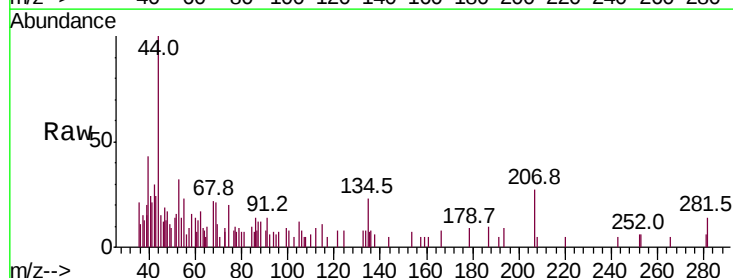
Tgt Ion: 53 Resp: 586

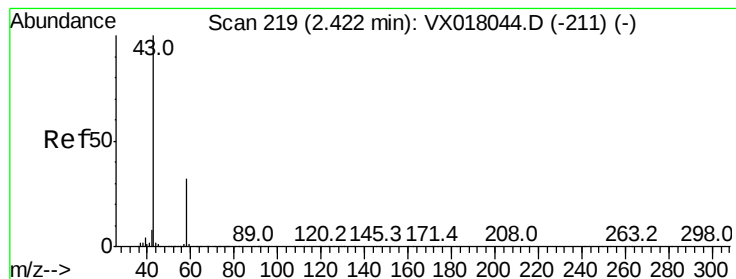
Ion Ratio Lower Upper

53 100

52 126.8 66.9 100.3#

51 33.8 28.7 43.1





#16

Acetone

Concen: 2.362 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

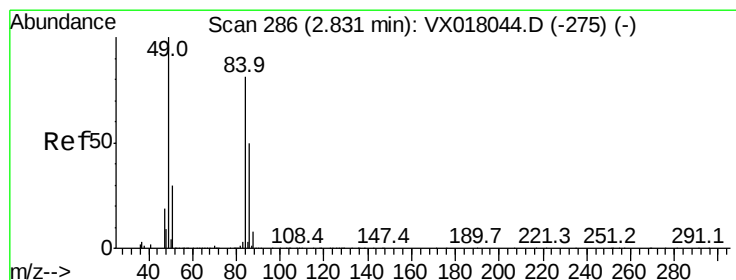
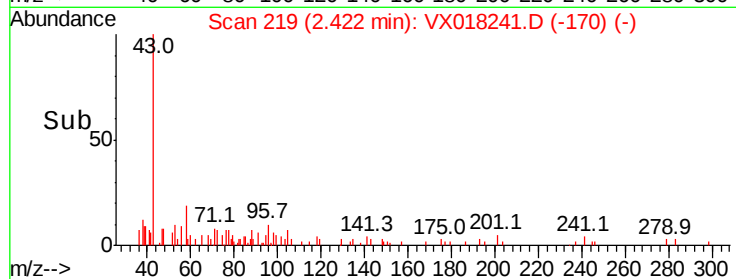
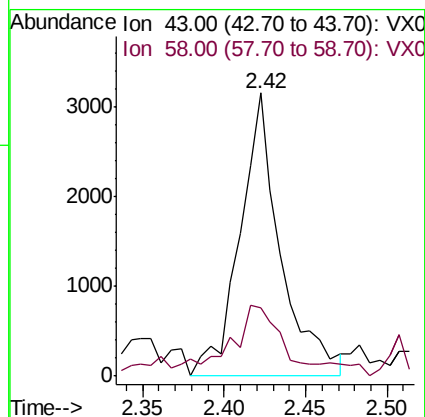
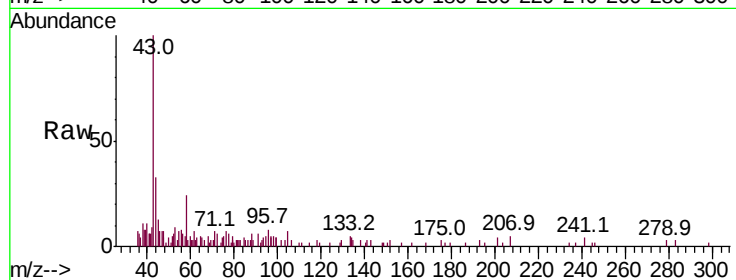
ClientSampleId :

Tot Ion: 43 Resp: 5509

Ion Ratio Lower Upper

43 100

58 19.6 25.5 38.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Tgt Ion: 84 Resp: 1039

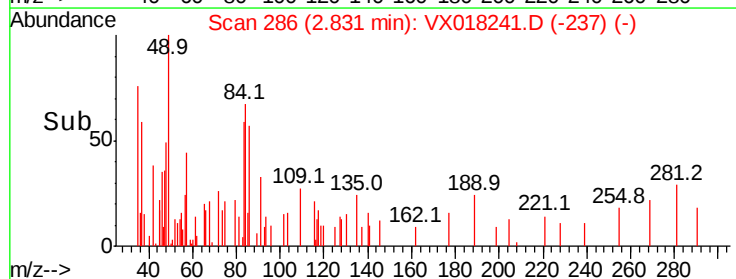
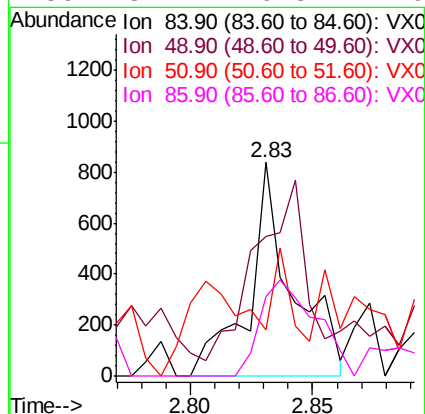
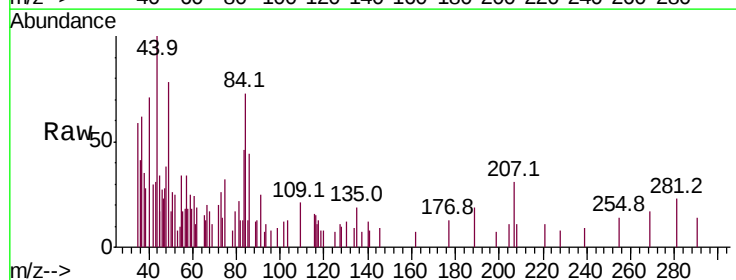
Ion Ratio Lower Upper

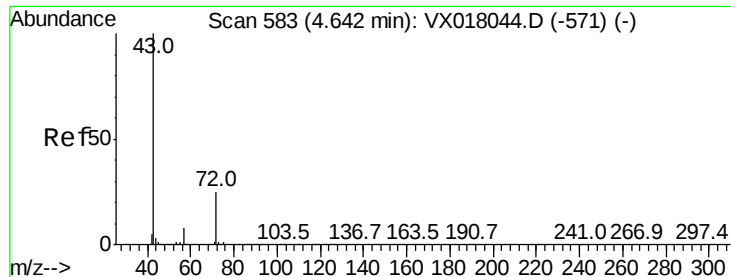
84 100

49 54.5 98.6 148.0#

51 0.0 29.6 44.4#

86 37.4 49.8 74.6#





#25

2-Butanone

Concen: 0.367 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

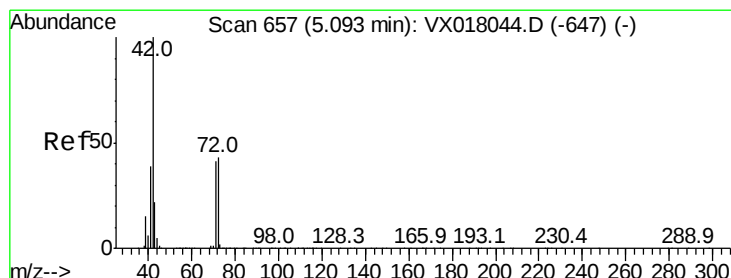
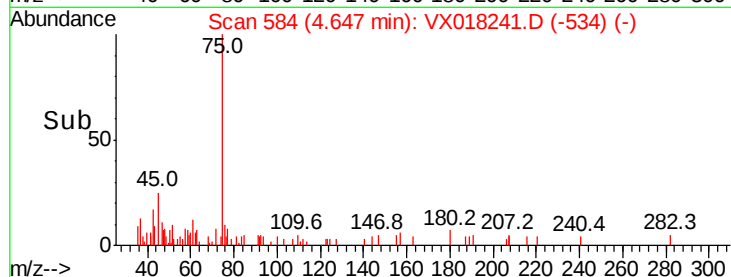
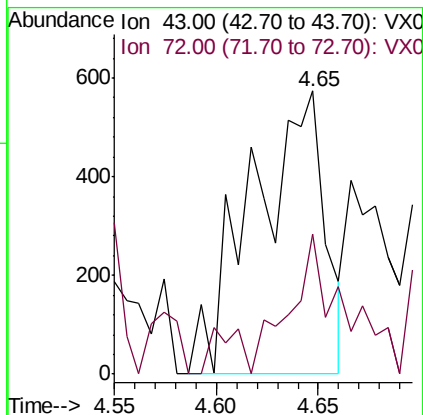
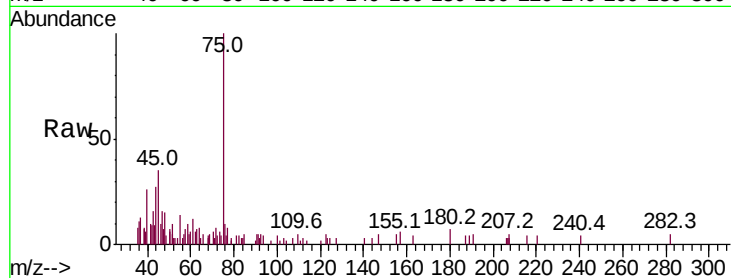
ClientSampleId :

Tot Ion: 43 Resp: 1408

Ion Ratio Lower Upper

43 100

72 49.7 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

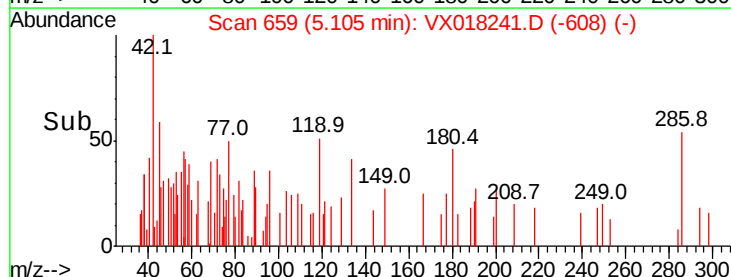
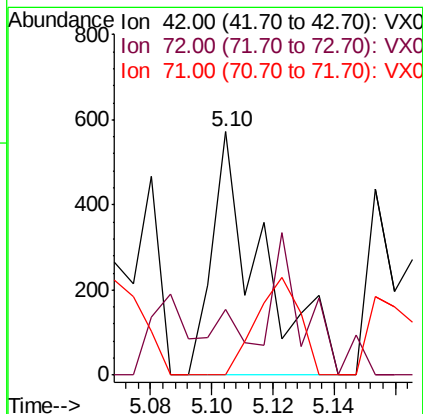
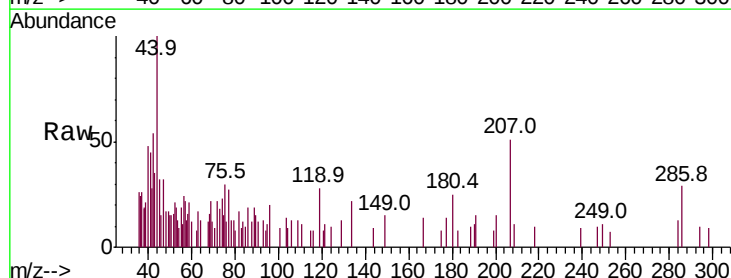
Tgt Ion: 42 Resp: 639

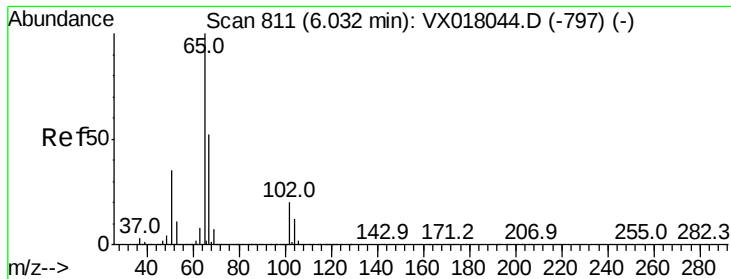
Ion Ratio Lower Upper

42 100

72 38.8 34.2 51.4

71 35.8 32.1 48.1

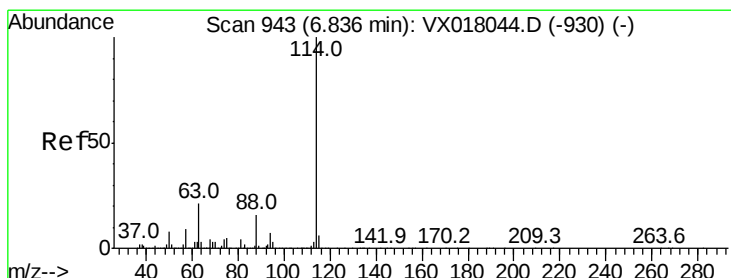
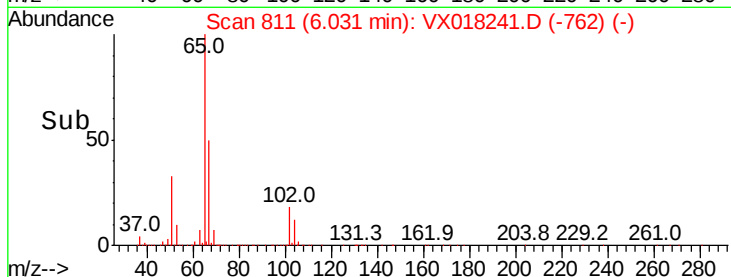
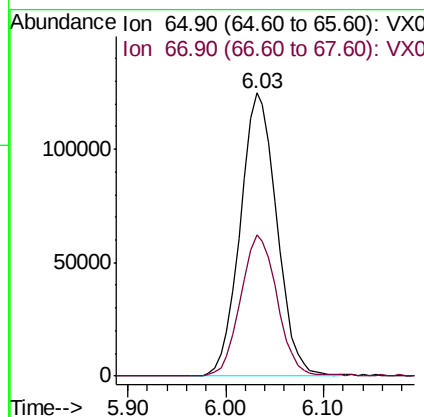
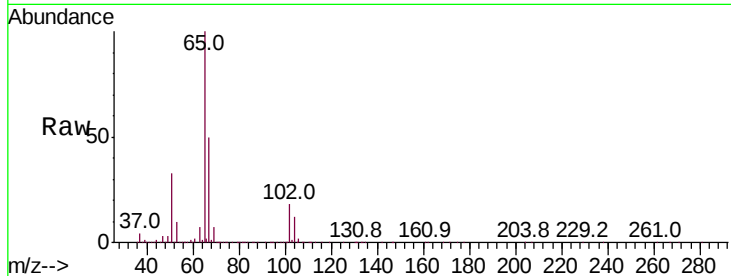




#33
 1,2-Dichloroethane-d4
 Concen: 54.029 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018241.D
 Acq: 03 Sep 2020 17:38

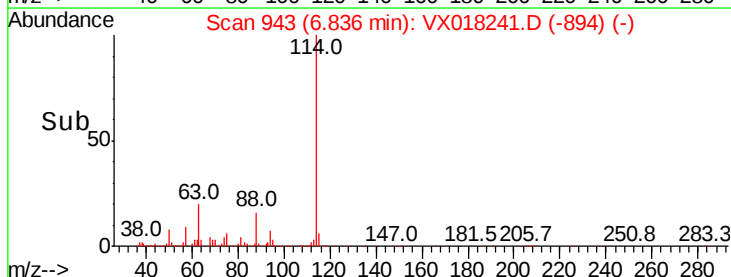
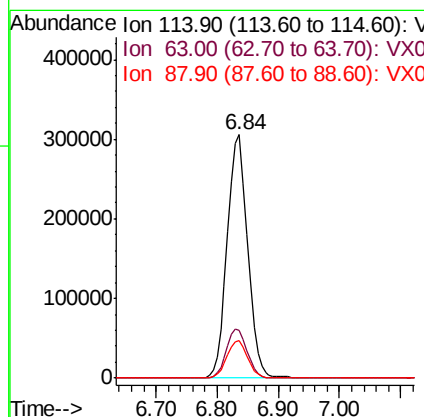
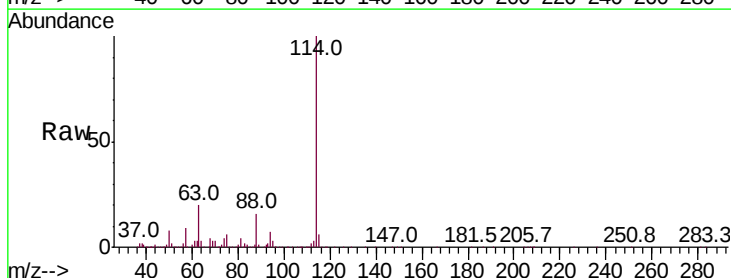
Instrument :
 MSVOA_X
 ClientSampleId :

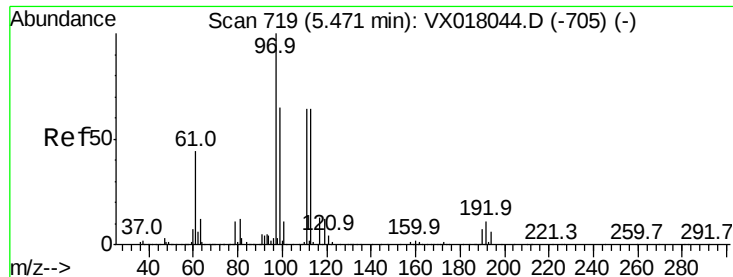
Tot Ion: 65 Resp: 323375
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018241.D
 Acq: 03 Sep 2020 17:38

Tgt Ion: 114 Resp: 706224
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.479 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

ClientSampleId :

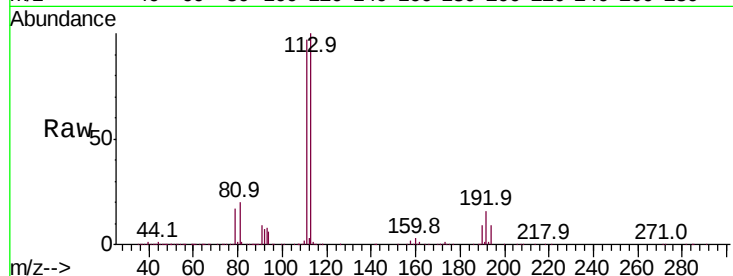
Tot Ion:113 Resp: 252411

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

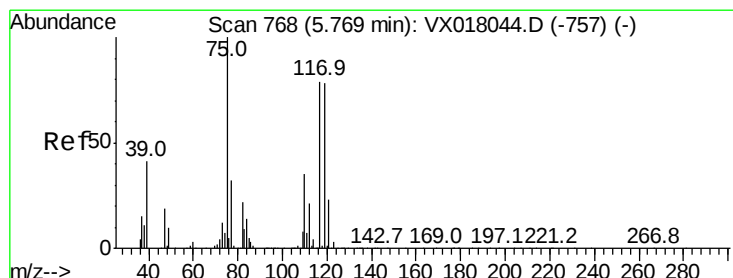
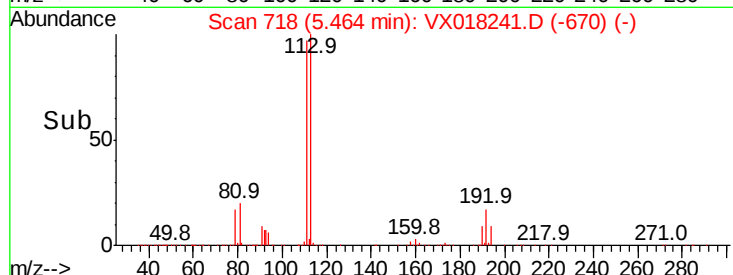
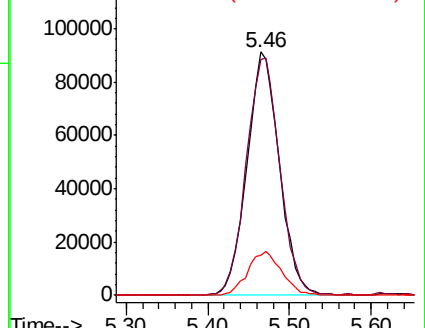
192 19.2 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.179 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

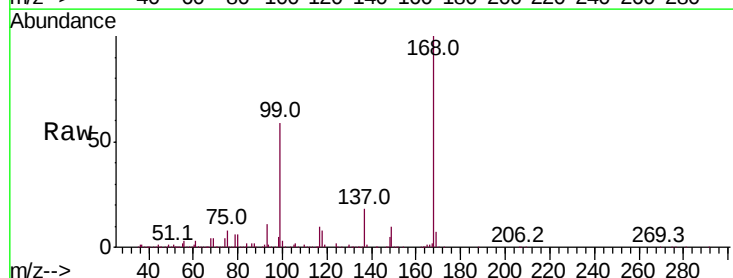
Tgt Ion: 75 Resp: 33736

Ion Ratio Lower Upper

75 100

110 11.7 18.0 54.0#

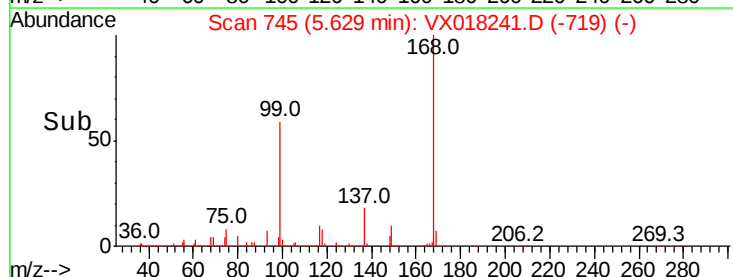
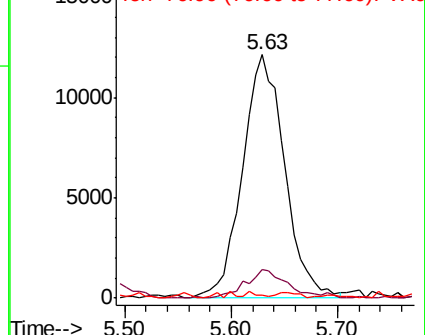
77 0.7 24.4 36.6#

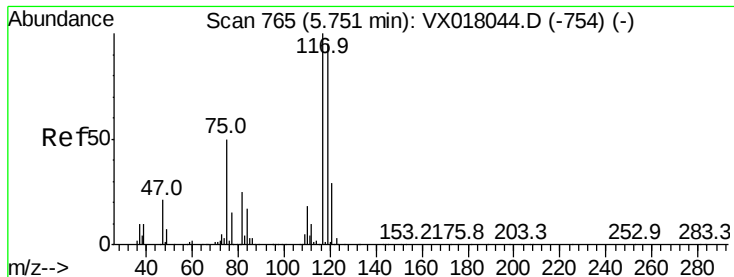


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

ClientSampleId :

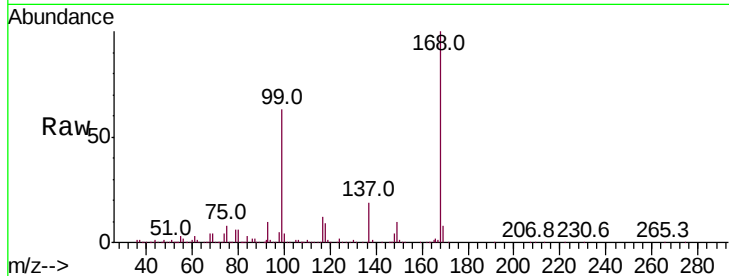
Tot Ion:117 Resp: 46009

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

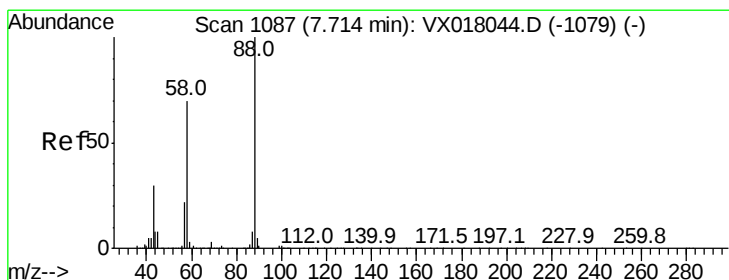
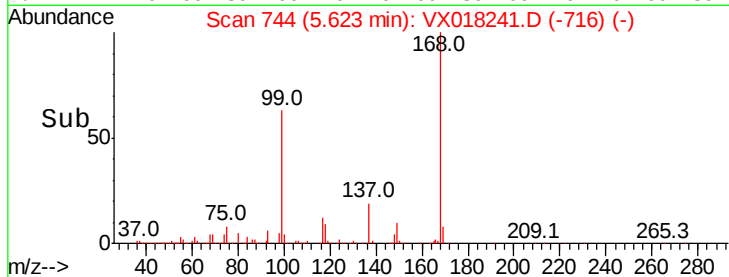
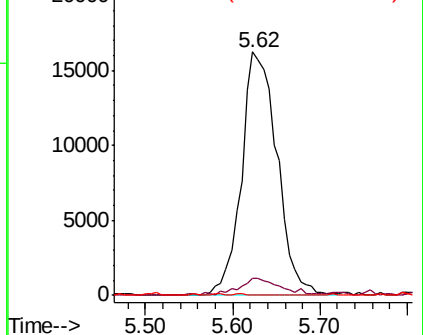
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.824 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

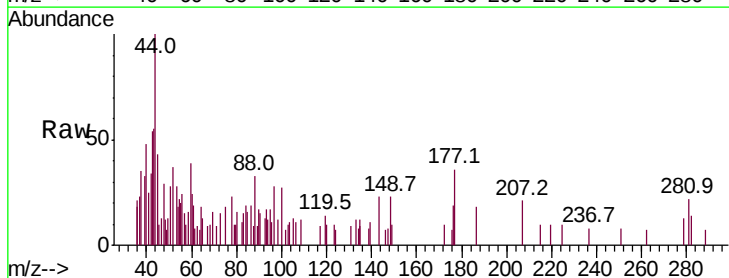
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 126.4 27.4 41.0#

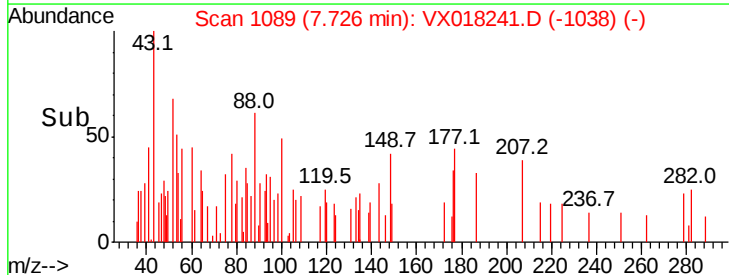
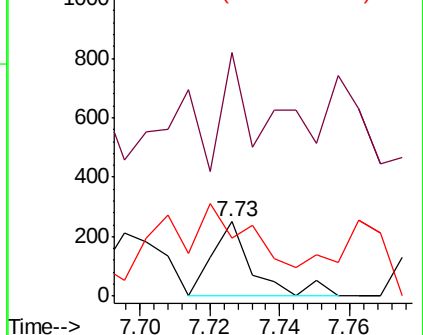
58 0.0 56.4 84.6#

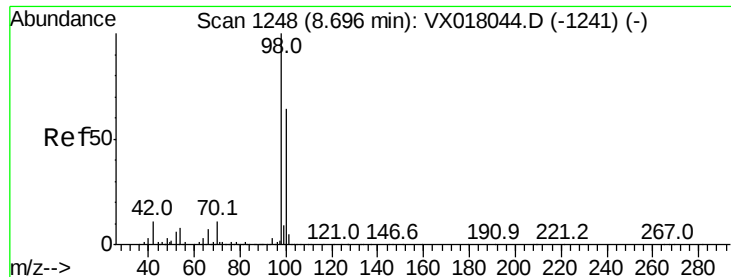


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.686 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

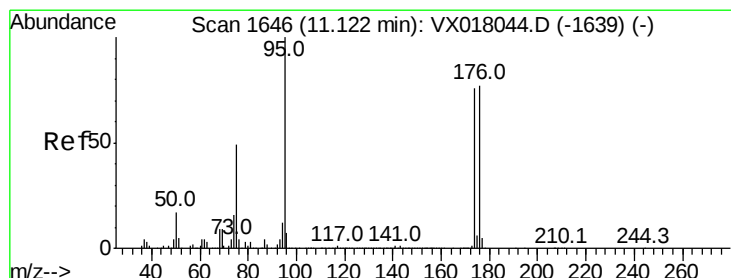
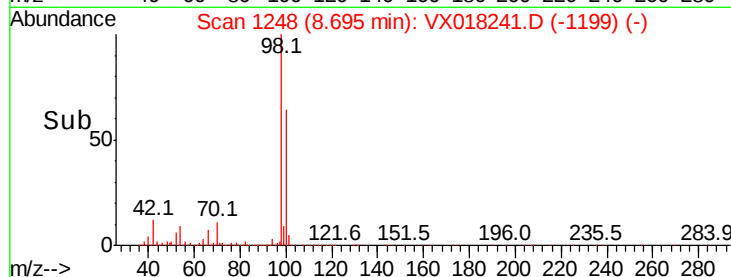
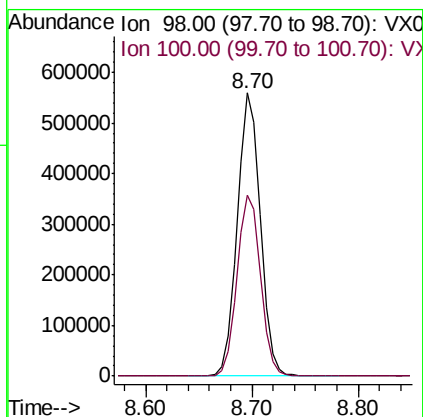
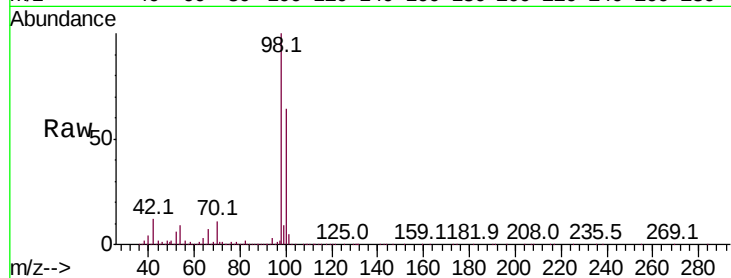
ClientSampleId :

Tot Ion: 98 Resp: 854246

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.167 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

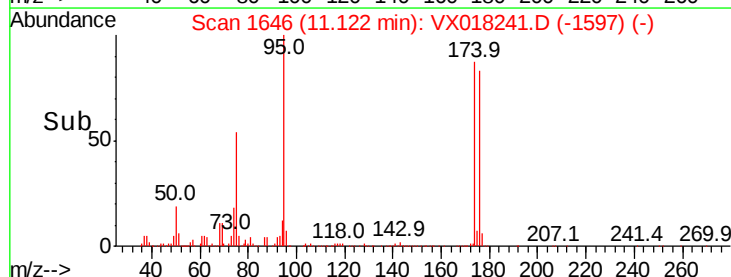
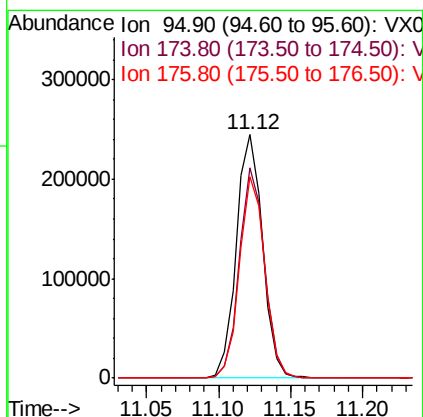
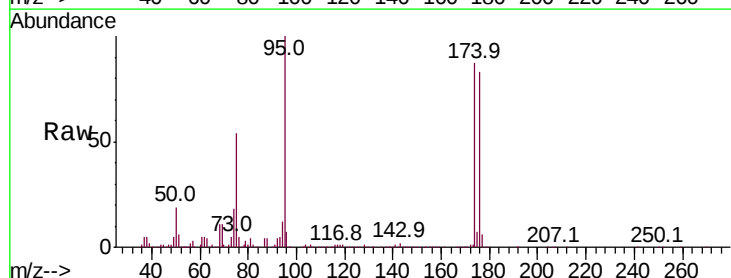
Tgt Ion: 95 Resp: 311296

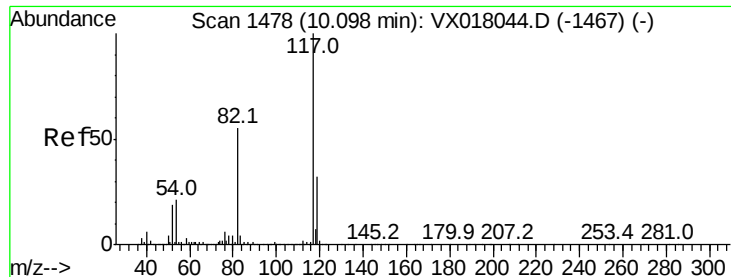
Ion Ratio Lower Upper

95 100

174 83.1 0.0 160.2

176 79.7 0.0 155.8

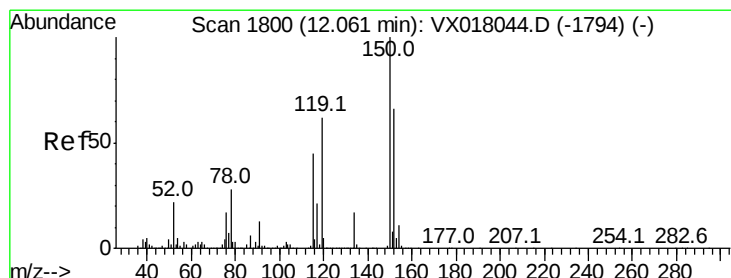
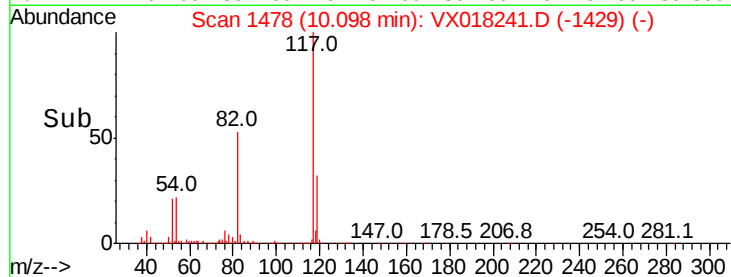
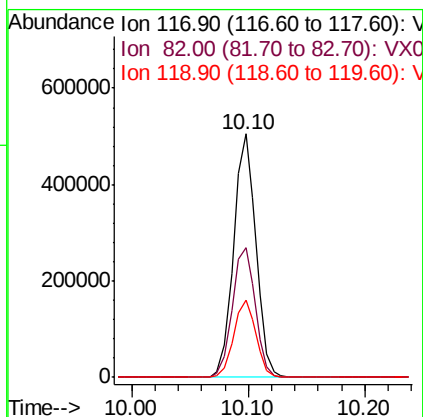
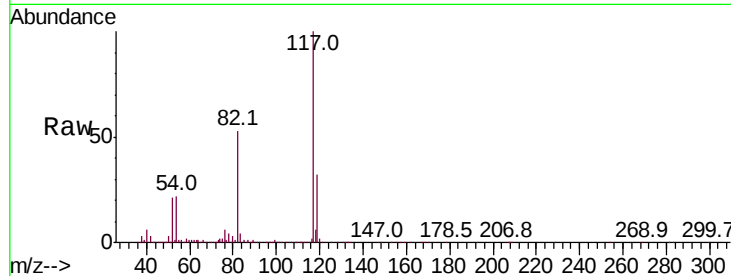




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018241.D
Acq: 03 Sep 2020 17:38

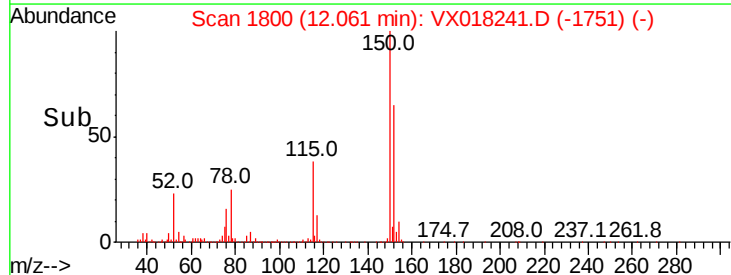
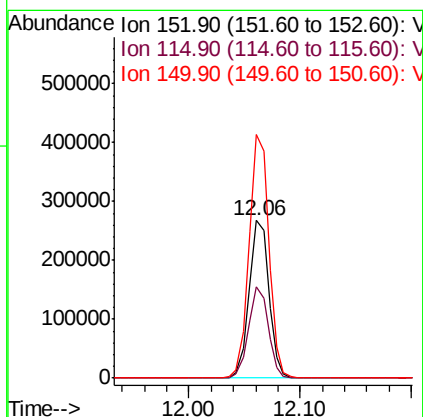
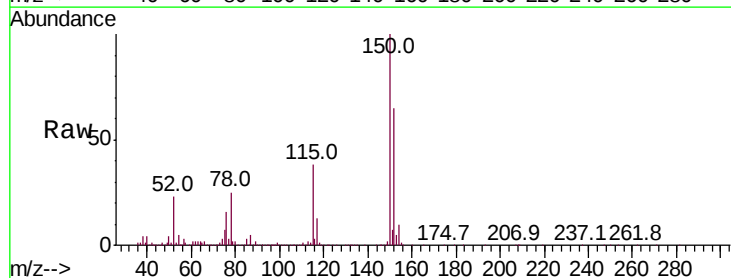
Instrument :
MSVOA_X
ClientSampleId :

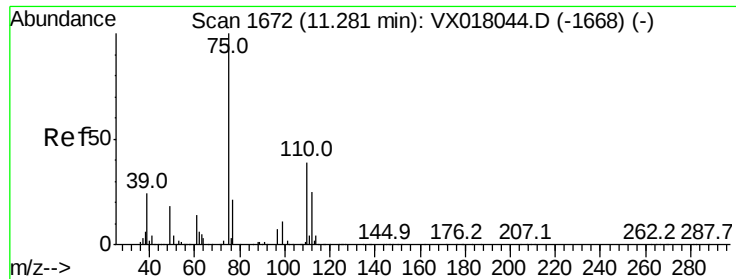
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	31.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018241.D
Acq: 03 Sep 2020 17:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	41.5	124.5
150	153.3	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 21.807 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

Instrument :

MSVOA_X

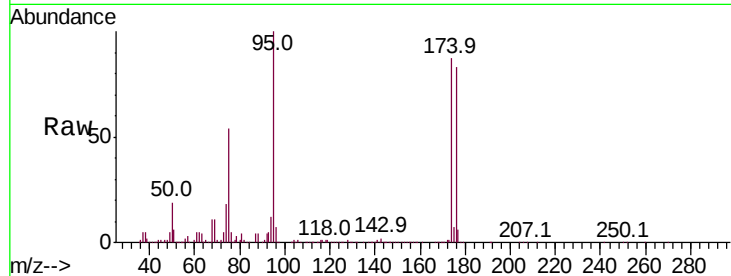
ClientSampled :

Tot Ion: 75 Resp: 161032

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

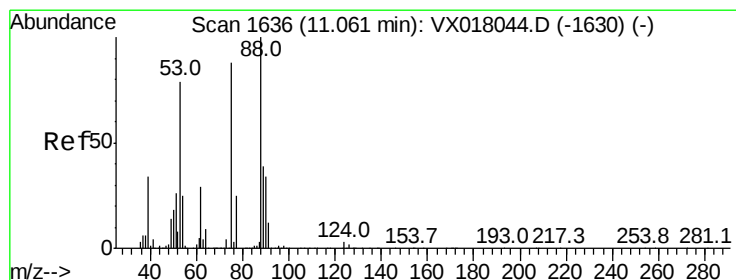
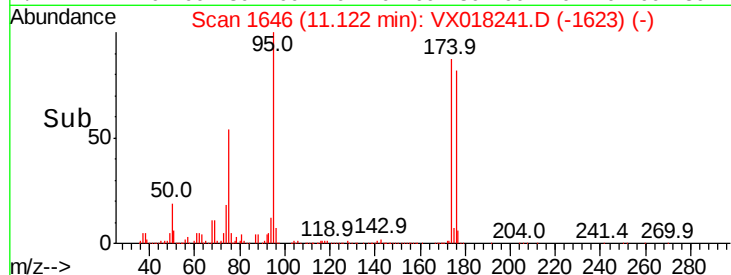
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.898 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018241.D

Acq: 03 Sep 2020 17:38

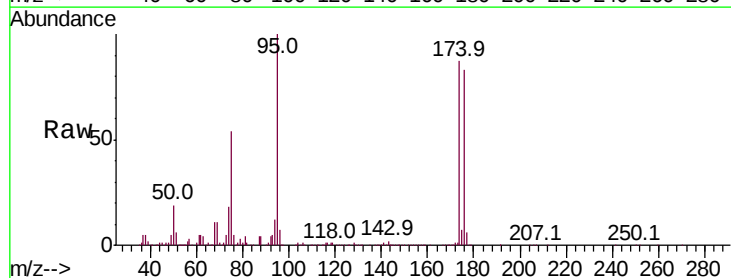
Tgt Ion: 75 Resp: 161032

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.12

150000

100000

50000

0

Time-->

