

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016360.D
 Acq On : 20 May 2020 15:14
 Operator : JC/SP
 Sample : L2649-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 21 03:52:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	415392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	399714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195471	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	146695	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	
35) Dibromofluoromethane	5.47	113	121072	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
50) Toluene-d8	8.70	98	504049	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.12	95	201642	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	

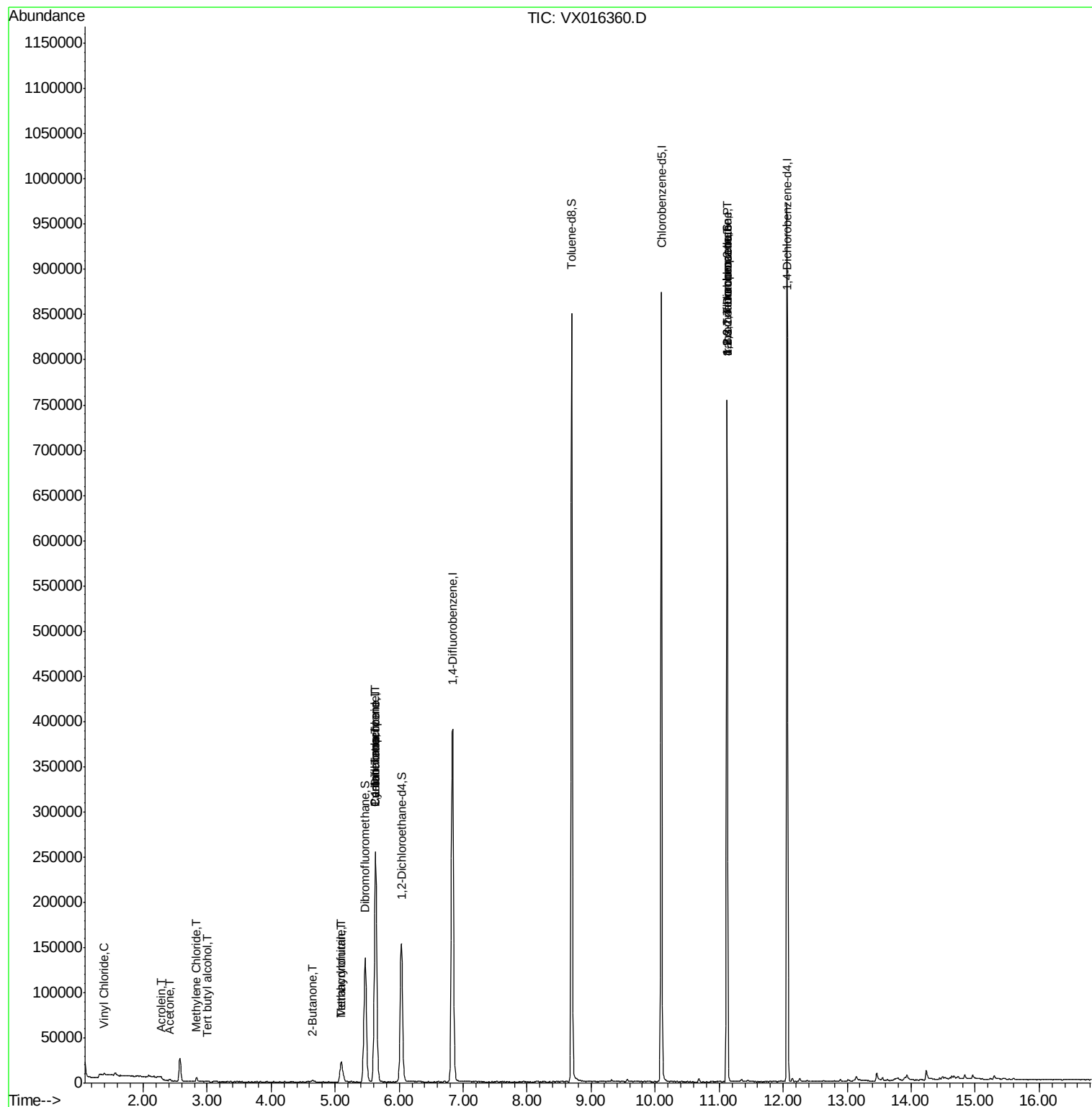
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	856	0.263	ug/l #	77
11) Tert butyl alcohol	3.01	59	305	0.370	ug/l #	91
13) Acrolein	2.28	56	568	1.101	ug/l #	80
16) Acetone	2.42	43	2470	1.698	ug/l	93
17) Carbon Disulfide	2.55	76	1226	Below Cal	#	69
20) Methylene Chloride	2.83	84	2139	0.713	ug/l	97
25) 2-Butanone	4.64	43	2072	0.884	ug/l	92
29) Tetrahydrofuran	5.09	42	21223	13.662	ug/l	96
31) Cyclohexane	5.62	56	4432	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17998	4.402	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23695	5.701	ug/l #	14
41) Methacrylonitrile	5.10	41	11376	4.445	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.12	83	121	2.095	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	96343	21.720	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	96343	51.760	ug/l #	13

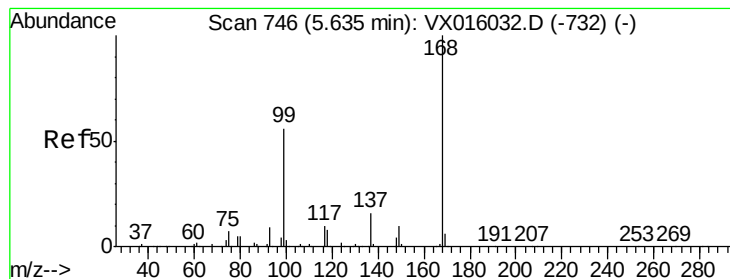
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Instrument :

MSVOA_X

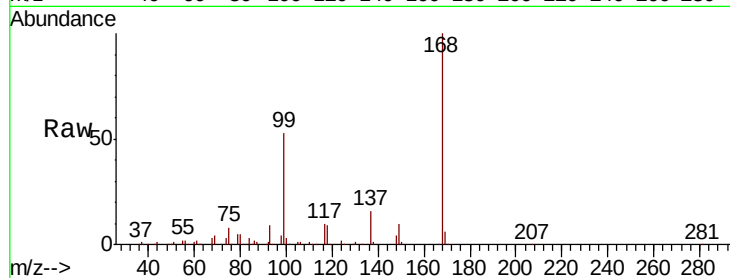
ClientSampleId :

Tot Ion:168 Resp: 247803

Ion Ratio Lower Upper

168 100

99 52.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

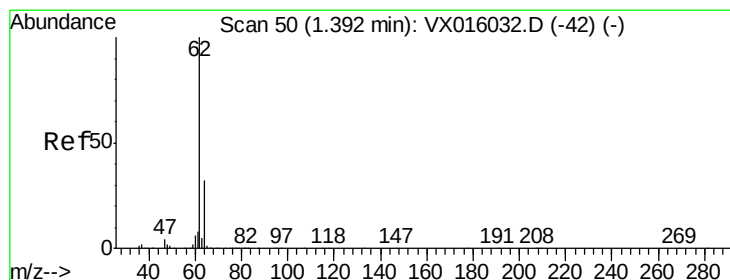
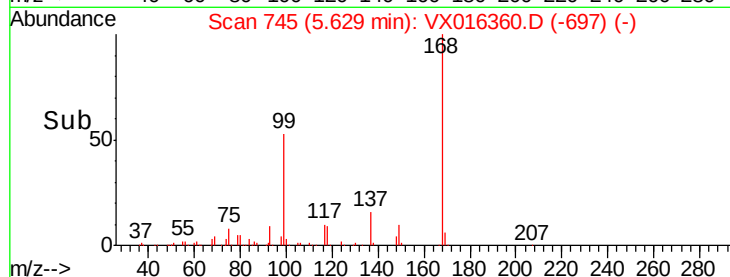
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.263 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016360.D

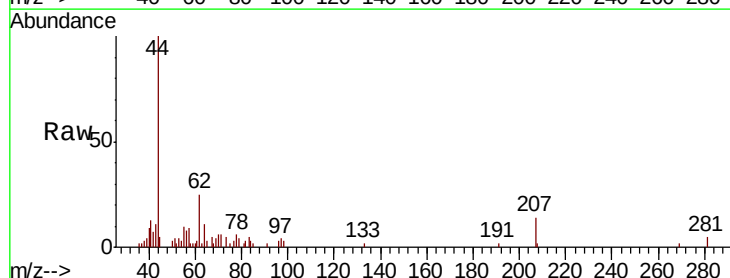
Acq: 20 May 2020 15:14

Tgt Ion: 62 Resp: 856

Ion Ratio Lower Upper

62 100

64 44.7 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

800

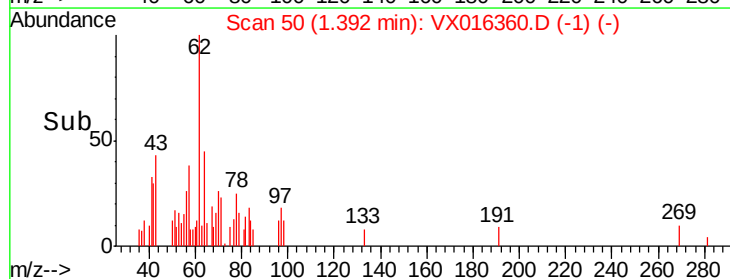
600

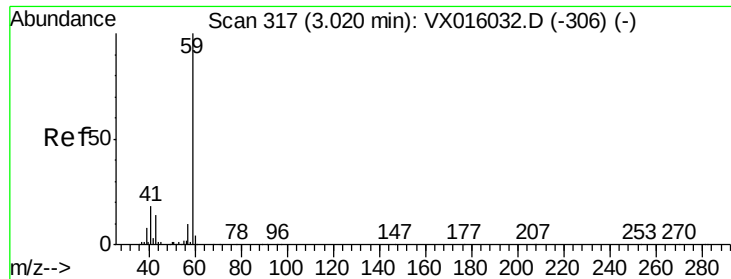
400

200

0

Time-->



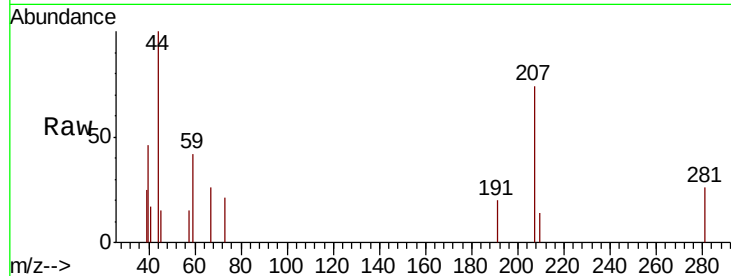


#11

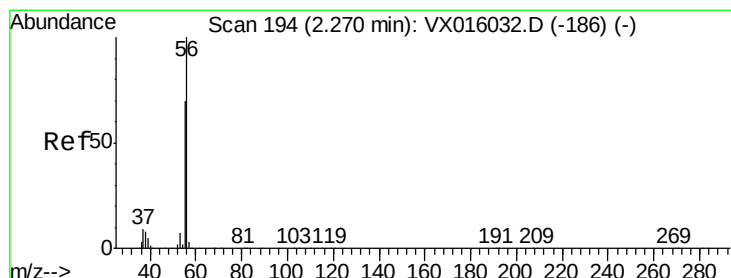
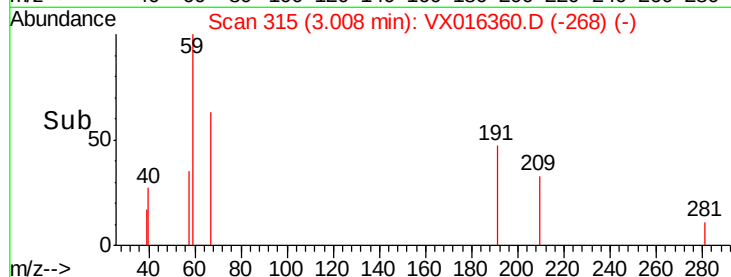
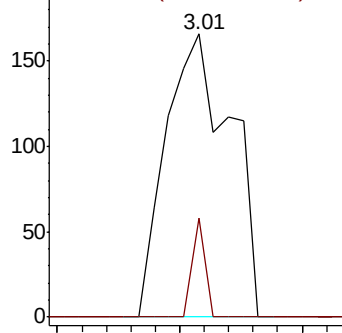
Tert butyl alcohol
Concen: 0.370 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 6.9 8.2 12.4#



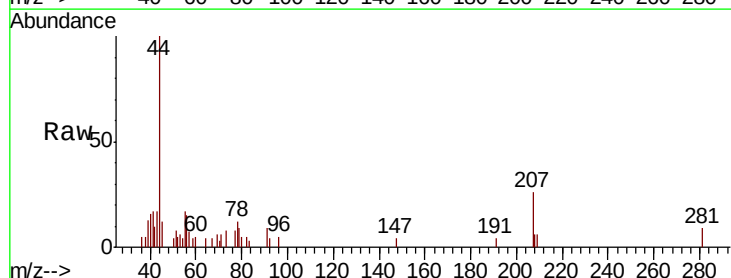
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



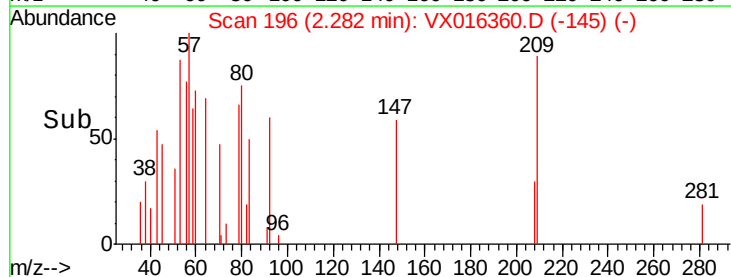
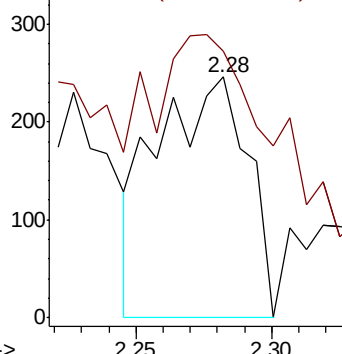
#13

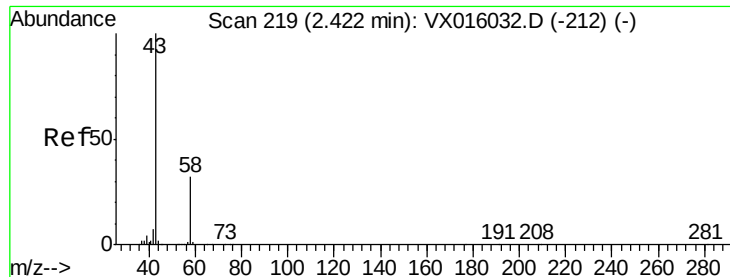
Acrolein
Concen: 1.101 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

Tgt Ion: 56 Resp: 568
Ion Ratio Lower Upper
56 100
55 87.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.698 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Instrument :

MSVOA_X

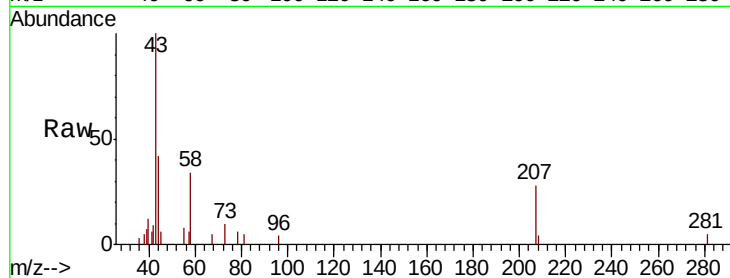
ClientSampleId :

Tot Ion: 43 Resp: 2470

Ion Ratio Lower Upper

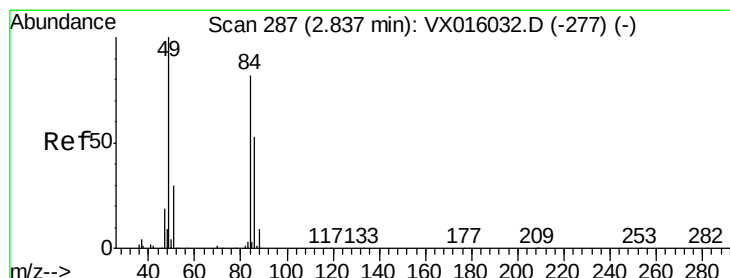
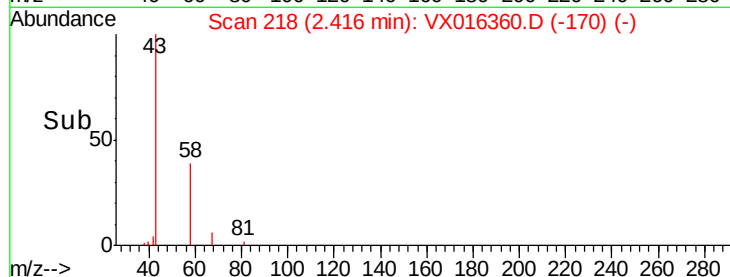
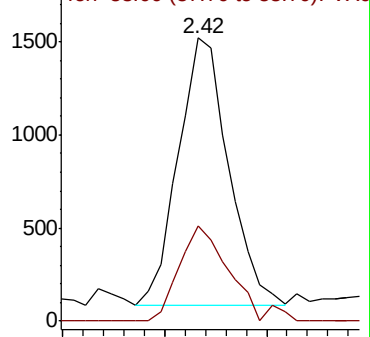
43 100

58 35.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.713 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Tgt Ion: 84 Resp: 2139

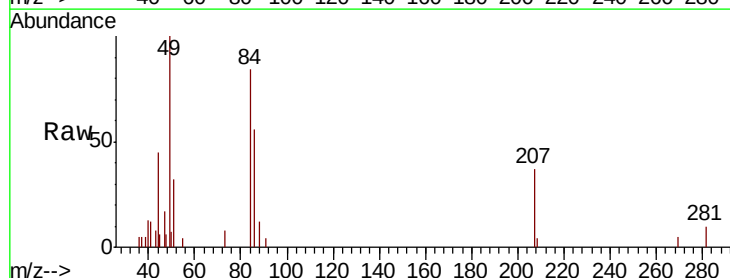
Ion Ratio Lower Upper

84 100

49 119.4 97.3 145.9

51 38.5 29.3 43.9

86 66.5 51.3 76.9

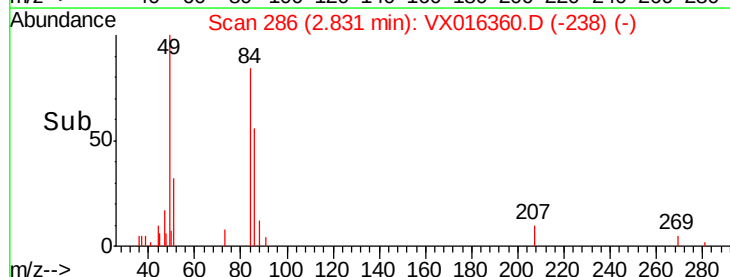
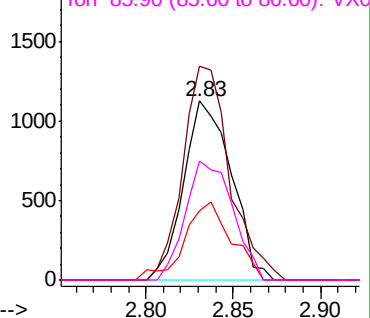


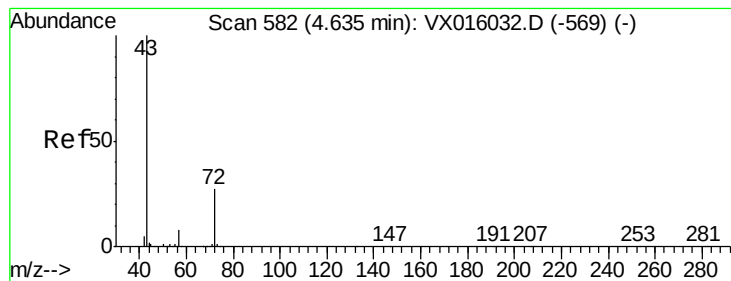
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.884 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

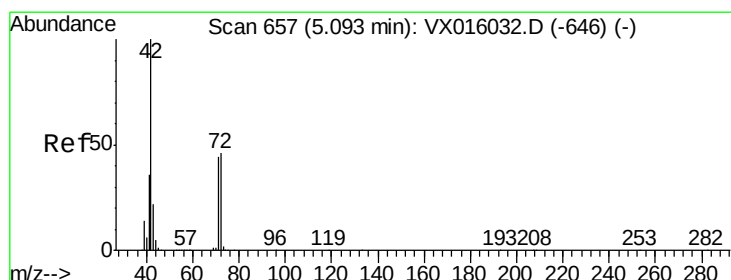
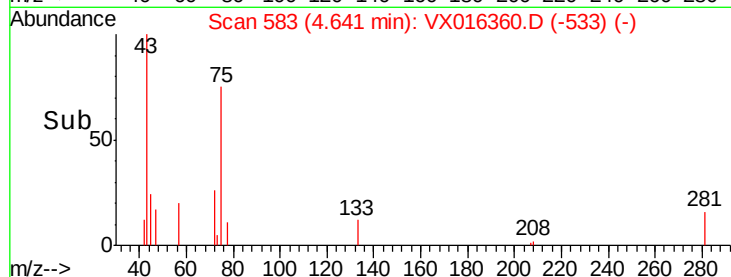
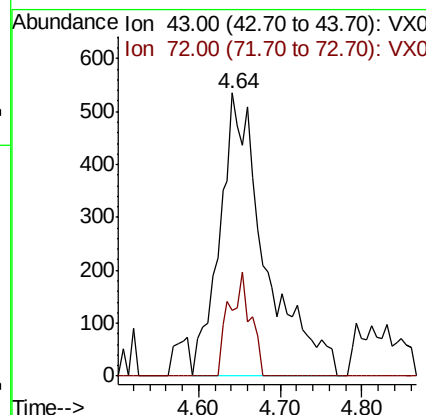
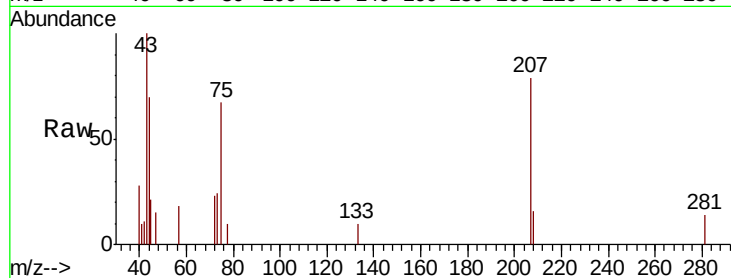
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2072

Ion Ratio Lower Upper

43 100

72 23.2 21.8 32.8



#29

Tetrahydrofuran

Concen: 13.662 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

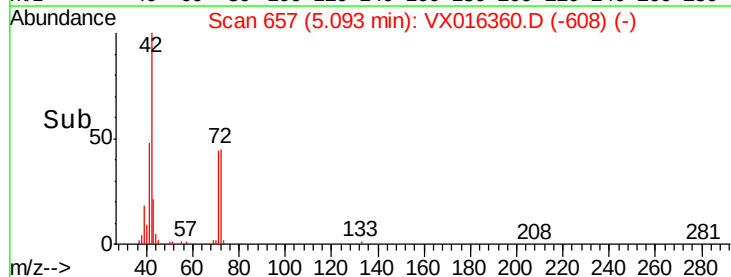
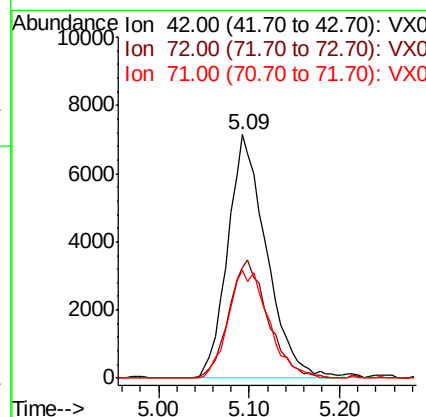
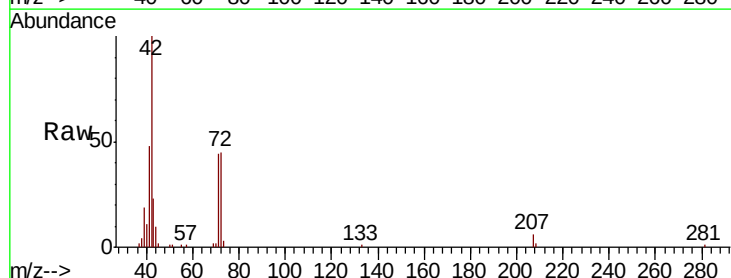
Tgt Ion: 42 Resp: 21223

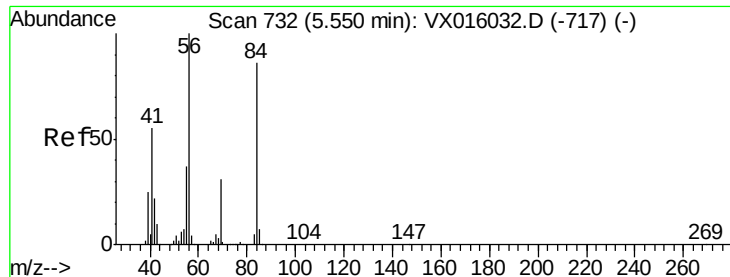
Ion Ratio Lower Upper

42 100

72 48.8 37.1 55.7

71 46.1 34.5 51.7

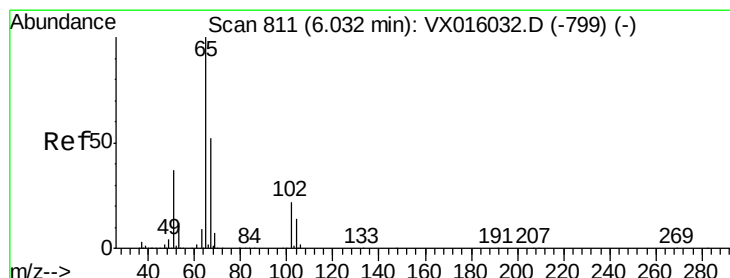
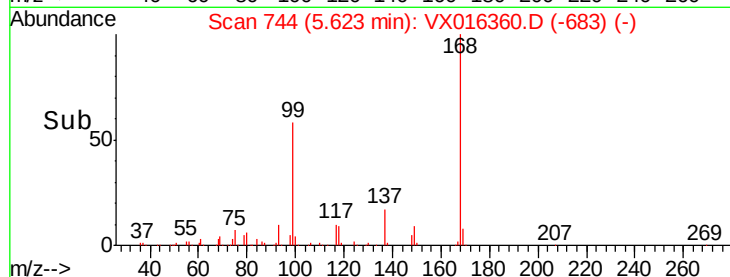
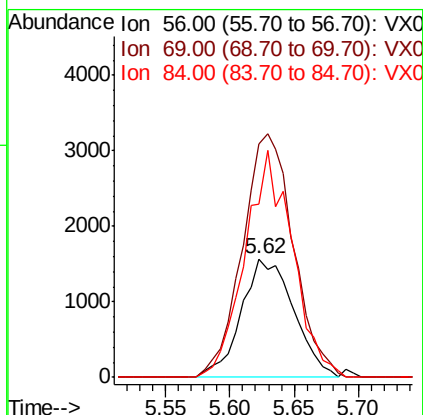
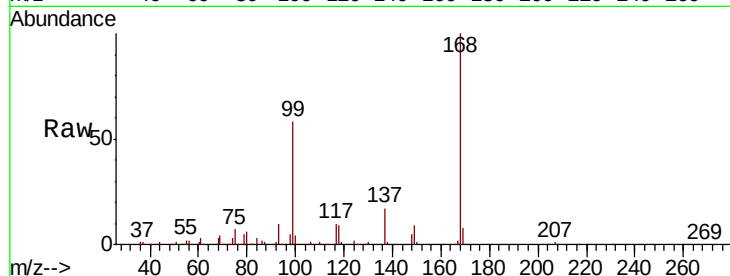




#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

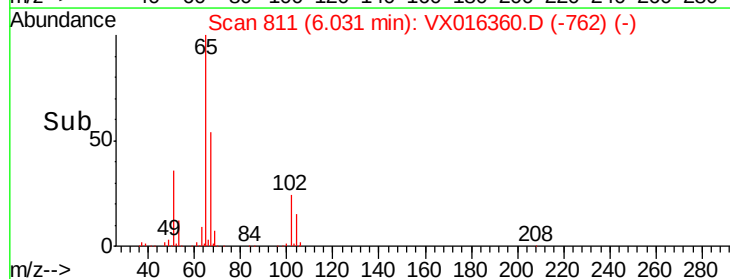
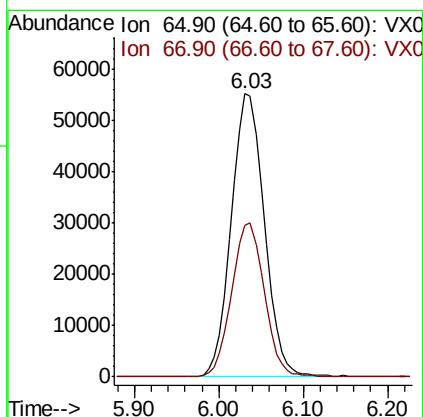
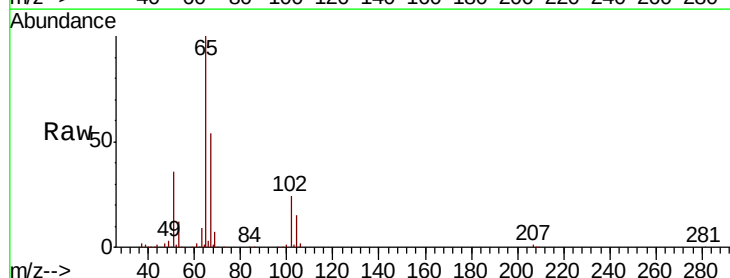
Instrument :
MSVOA_X
ClientSampleId :

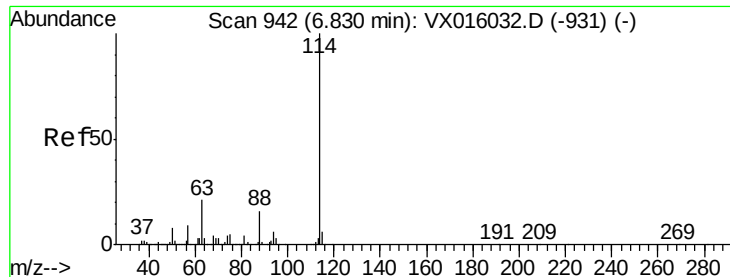
Tot Ion: 56 Resp: 4432
Ion Ratio Lower Upper
56 100
69 197.1 25.0 37.6#
84 145.8 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 44.987 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

Tgt Ion: 65 Resp: 146695
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

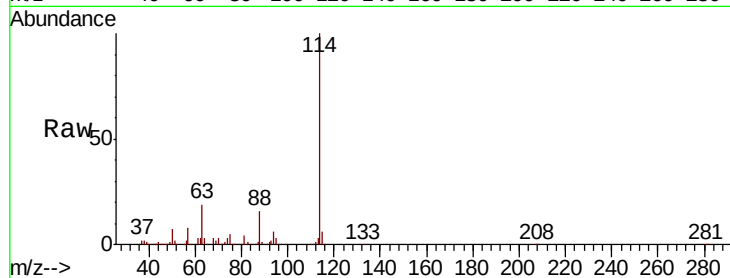
Tot Ion:114 Resp: 415392

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

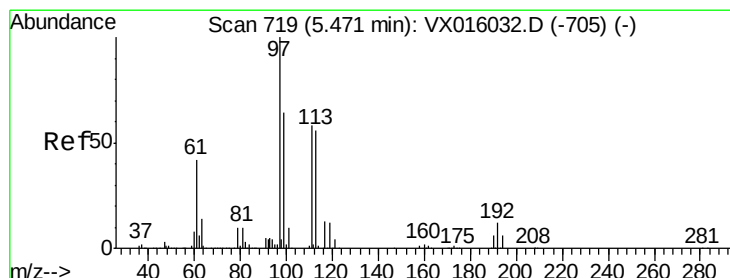
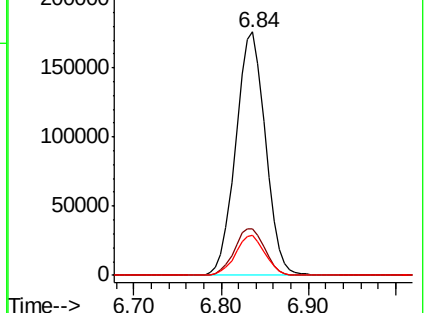
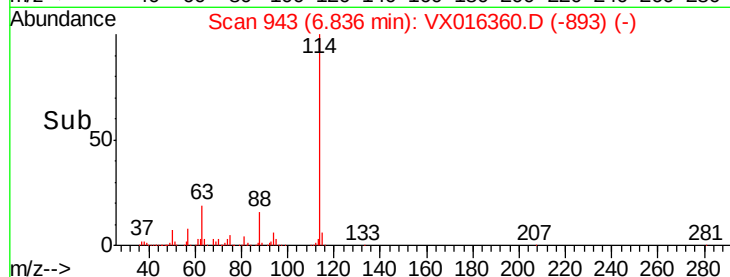
88 16.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.005 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

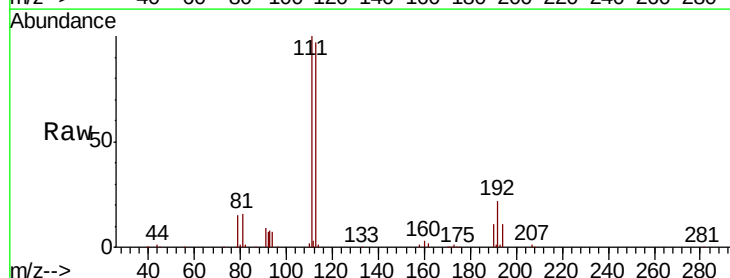
Tgt Ion:113 Resp: 121072

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

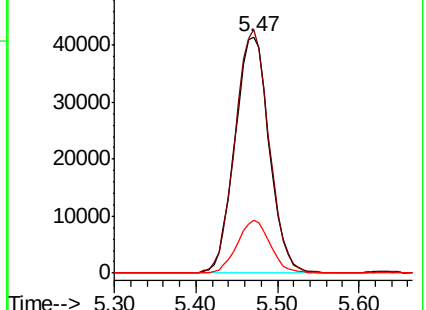
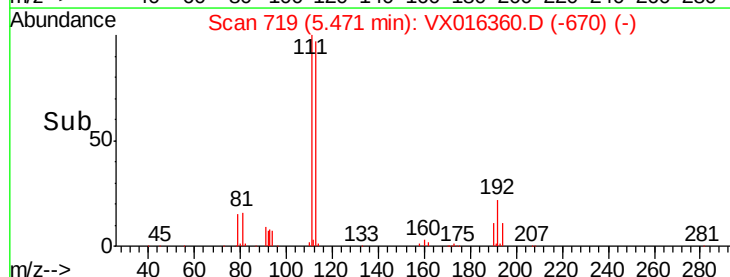
192 21.5 17.0 25.4

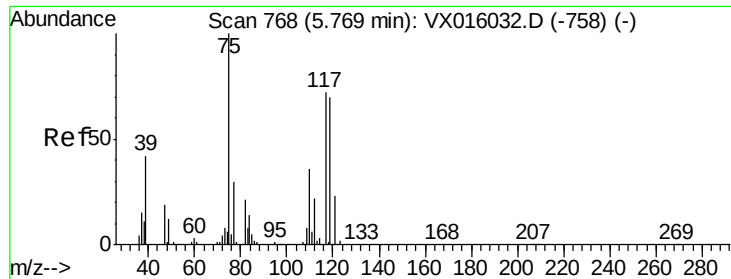


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

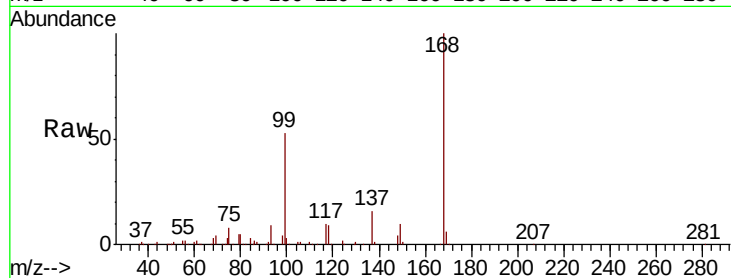




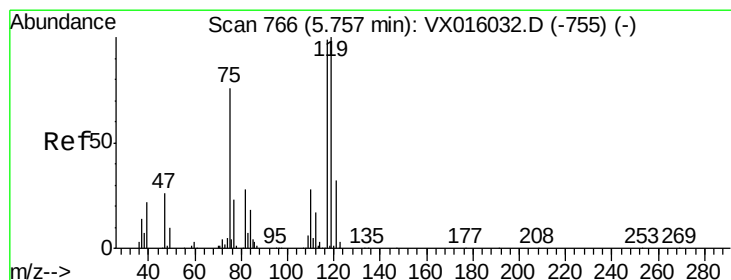
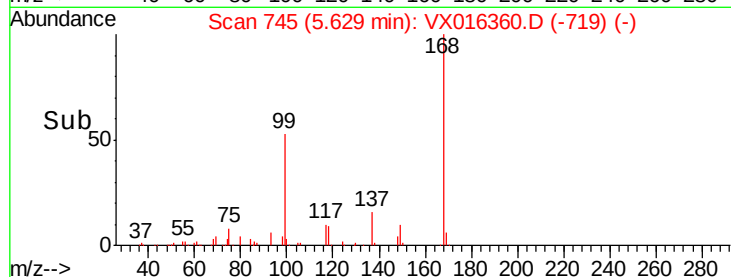
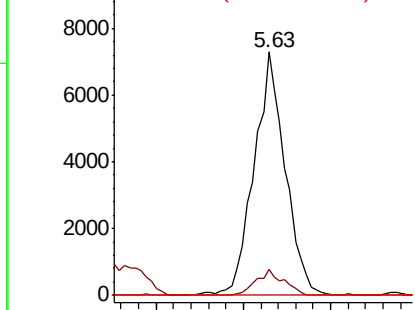
#36
 1,1-Dichloropropene
 Concen: 4.402 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016360.D
 Acq: 20 May 2020 15:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#

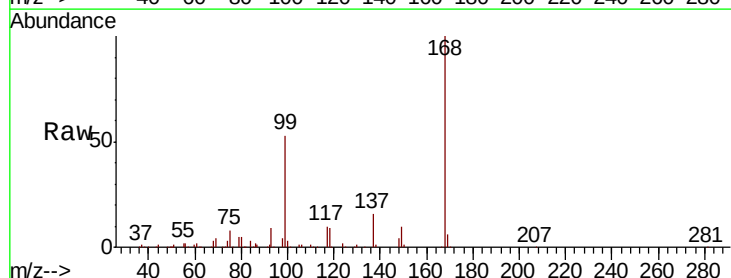


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

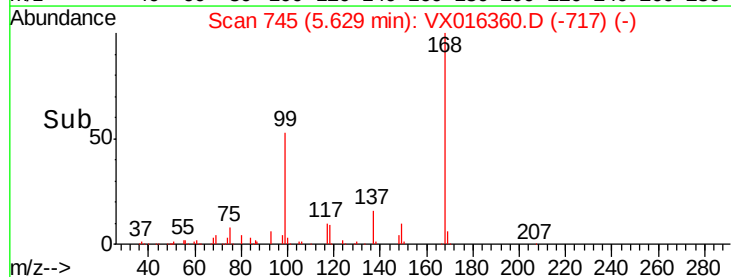
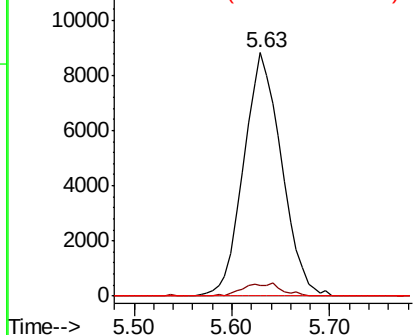


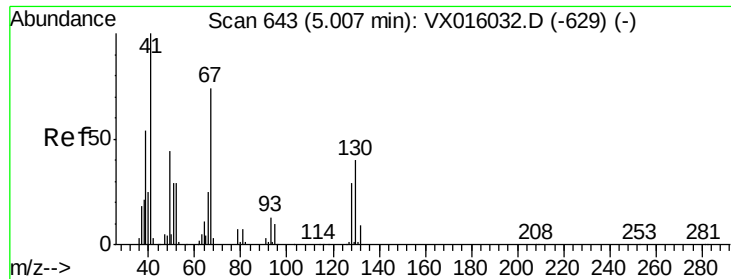
#38
 Carbon Tetrachloride
 Concen: 5.701 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016360.D
 Acq: 20 May 2020 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	80.3	120.5#
121	0.0	25.7	38.5#



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

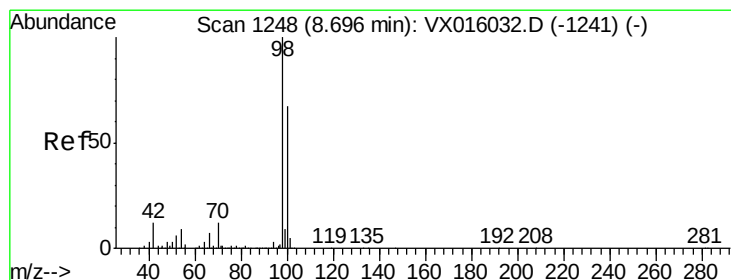
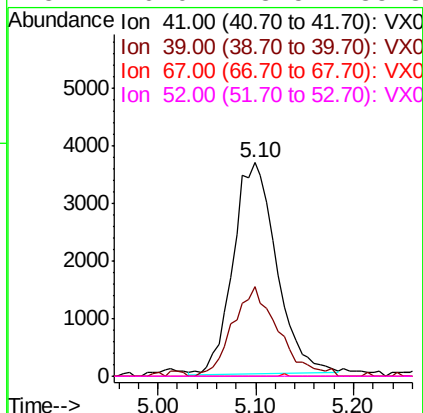
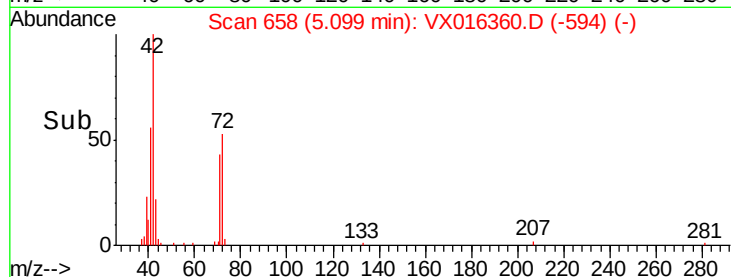
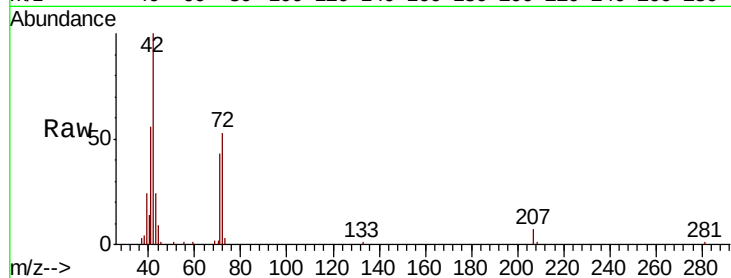




#41
Methacrylonitrile
Concen: 4.445 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.09 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

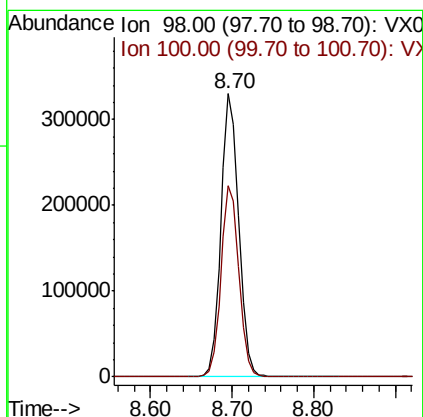
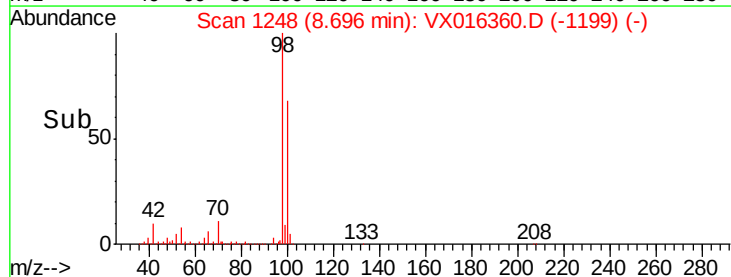
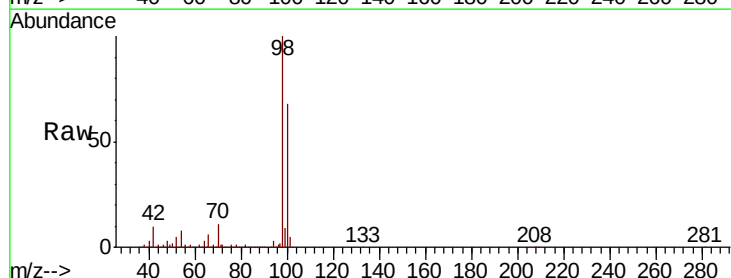
Instrument :
MSVOA_X
ClientSampleId :

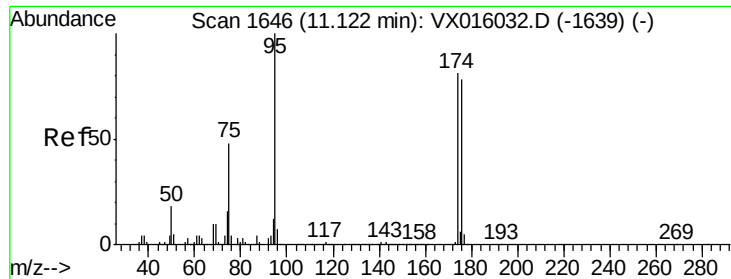
Tot Ion:	41	Resp:	11376
Ion	Ratio	Lower	Upper
41	100		
39	44.0	43.2	64.8
67	0.0	59.3	88.9#
52	0.0	23.5	35.3#



#50
Toluene-d8
Concen: 49.709 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

Tgt Ion:	98	Resp:	504049
Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.7	80.5

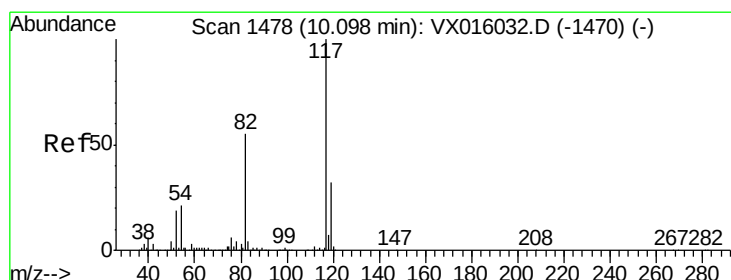
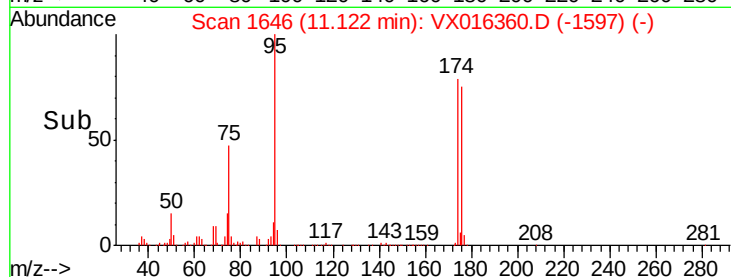
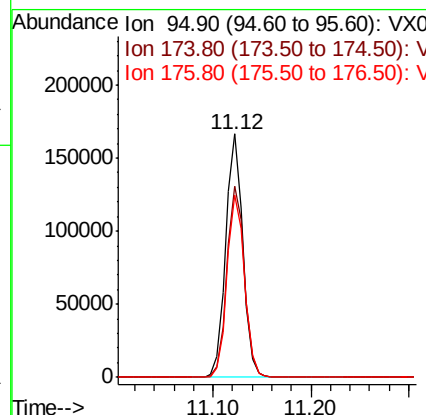
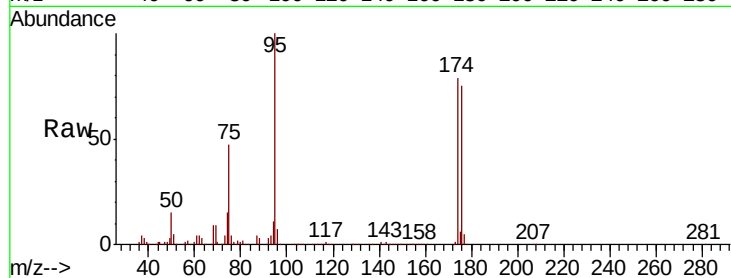




#62
4-Bromofluorobenzene
Concen: 52.282 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

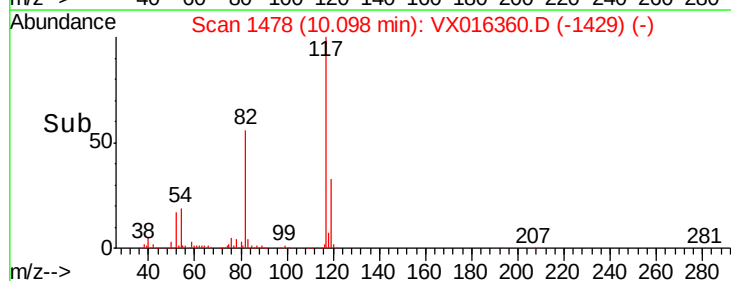
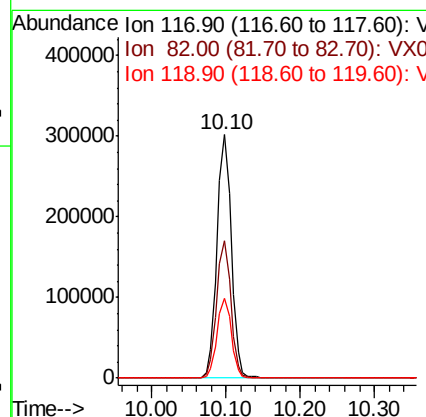
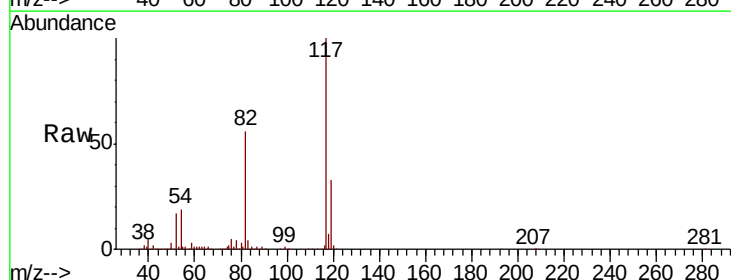
Instrument :
MSVOA_X
ClientSampleId :

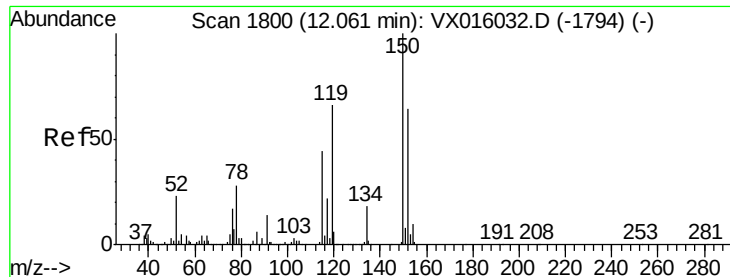
Tot Ion: 95 Resp: 201642
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 76.9 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016360.D
Acq: 20 May 2020 15:14

Tgt Ion: 117 Resp: 399714
Ion Ratio Lower Upper
117 100
82 56.3 44.4 66.6
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

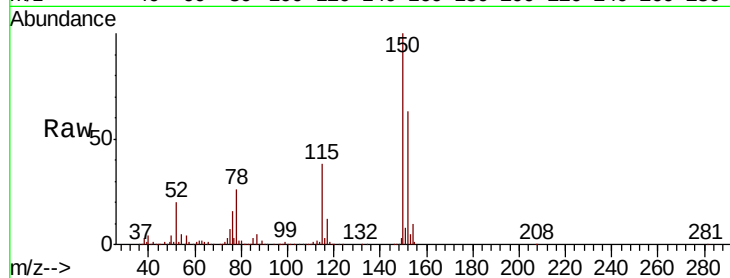
Tot Ion:152 Resp: 195471

Ion Ratio Lower Upper

152 100

115 59.0 41.3 124.1

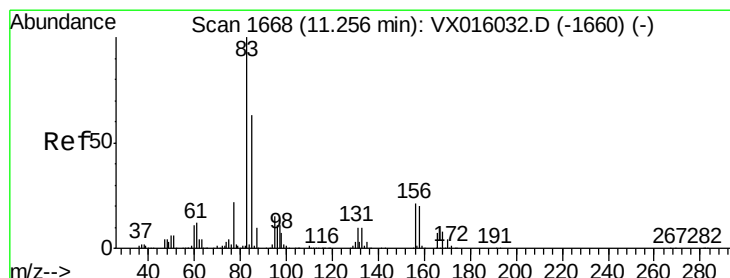
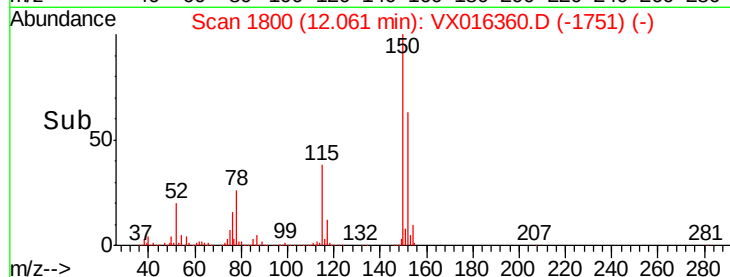
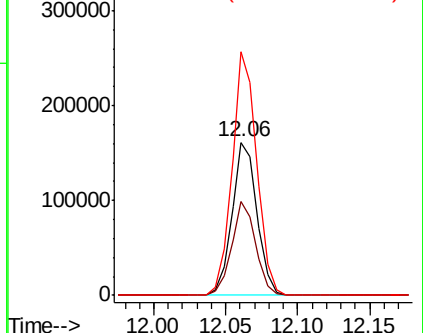
150 157.0 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.095 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

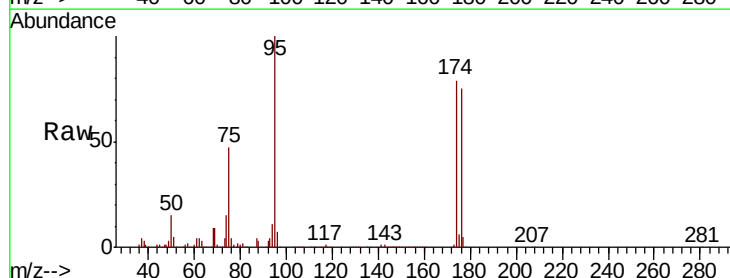
Tgt Ion: 83 Resp: 121

Ion Ratio Lower Upper

83 100

131 200.0 5.1 15.4#

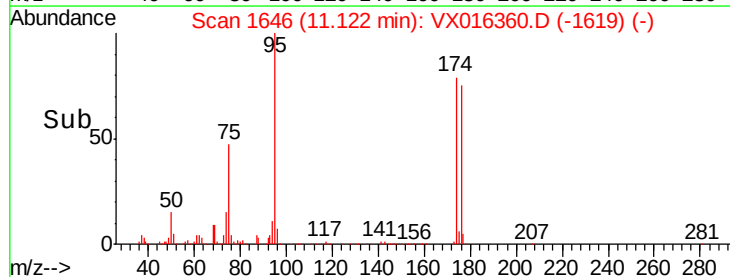
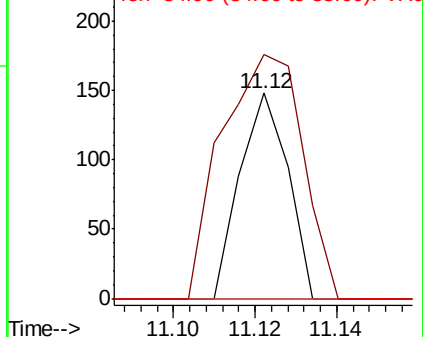
85 0.0 32.0 96.0#

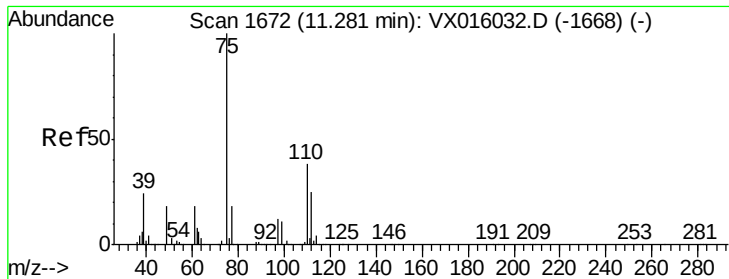


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.720 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Instrument :

MSVOA_X

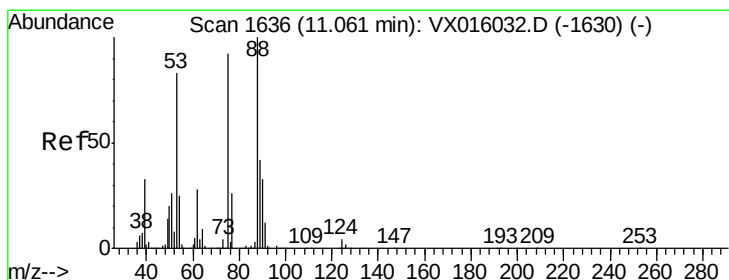
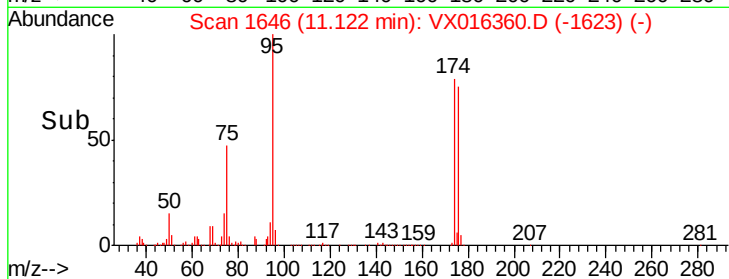
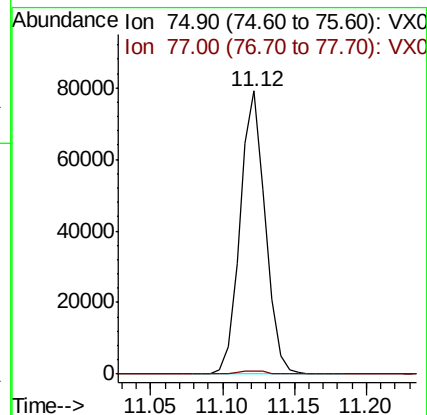
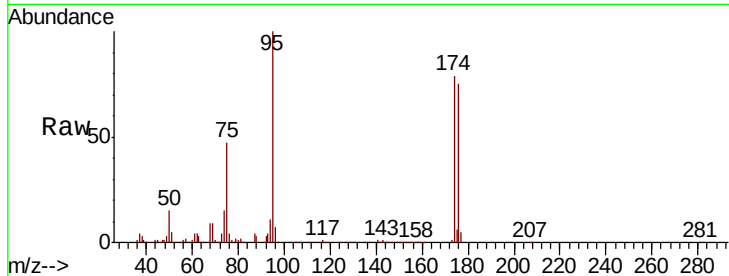
ClientSampled :

Tot Ion: 75 Resp: 96343

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.760 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016360.D

Acq: 20 May 2020 15:14

Tgt Ion: 75 Resp: 96343

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

