

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052620\
 Data File : VX016436.D
 Acq On : 26 May 2020 19:35
 Operator : JC/SP
 Sample : PB129074ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 27 05:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 16:32:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	108320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	193685	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	212780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	100360	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	78618	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
35) Dibromofluoromethane	5.47	113	59194	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
50) Toluene-d8	8.70	98	261587	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	
62) 4-Bromofluorobenzene	11.12	95	104204	61.53	ug/l	0.00
Spiked Amount			Recovery	=	123.06%	

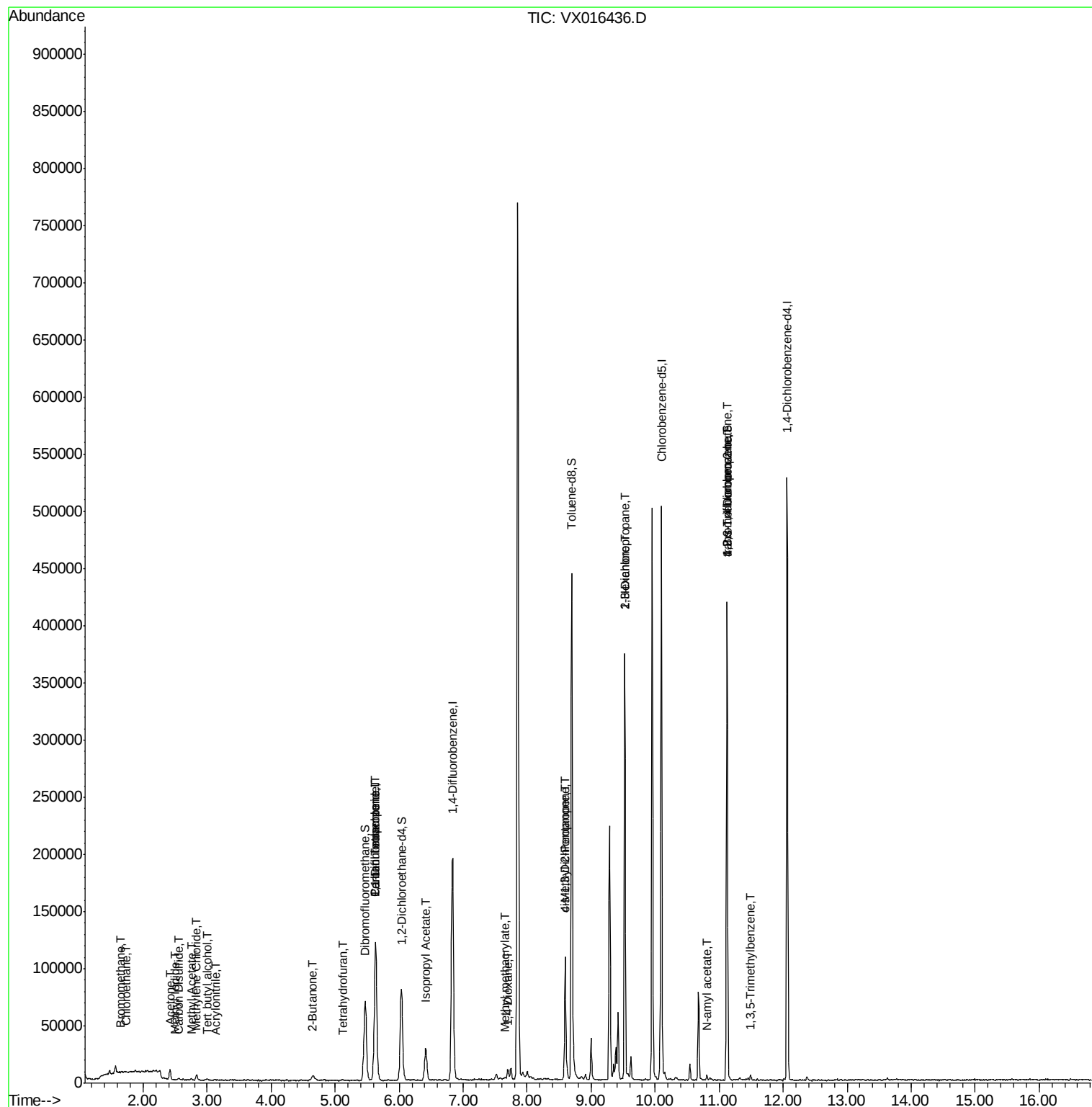
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	491	3.171	ug/l	98
6) Chloroethane	1.73	64	225	0.215	ug/l #	10
10) Methyl Iodide	2.50	142	22	5.704	ug/l #	13
11) Tert butyl alcohol	2.99	59	891	2.747	ug/l	96
13) Acrolein	2.31	56	143	Below Cal	#	78
15) Acrylonitrile	3.13	53	228	0.353	ug/l #	55
16) Acetone	2.42	43	8933	15.984	ug/l	97
17) Carbon Disulfide	2.55	76	1022	0.329	ug/l #	88
18) Methyl Acetate	2.75	43	1765	1.295	ug/l #	85
20) Methylene Chloride	2.83	84	2028	1.682	ug/l	90
25) 2-Butanone	4.64	43	1822	2.006	ug/l	98
29) Tetrahydrofuran	5.13	42	813	1.381	ug/l #	33
36) 1,1-Dichloropropene	5.63	75	9732	5.668	ug/l #	40
38) Carbon Tetrachloride	5.63	117	11142	5.987	ug/l #	13
43) Isopropyl Acetate	6.42	43	39913	13.112	ug/l	97
48) Methyl methacrylate	7.65	41	1965	1.417	ug/l #	11
49) 1,4-Dioxane	7.71	88	19	0.532	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	38684	20.109	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	17355	7.874	ug/l #	62
57) 1,3-Dichloropropane	9.52	76	3307	1.487	ug/l #	44
59) 2-Hexanone	9.52	43	41825	28.235	ug/l #	47
74) N-amyl acetate	10.80	43	1930	0.670	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	53762	25.810	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	1851	0.327	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	53762	62.067	ug/l #	15

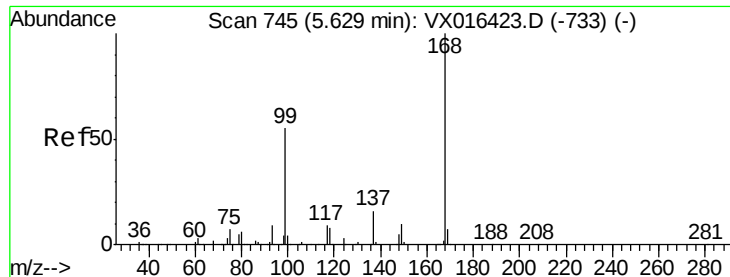
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052620\
Data File : VX016436.D
Acq On : 26 May 2020 19:35
Operator : JC/SP
Sample : PB129074ZHE#03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 27 05:24:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
Quant Title : SW846 8260
QLast Update : Tue May 26 16:32:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

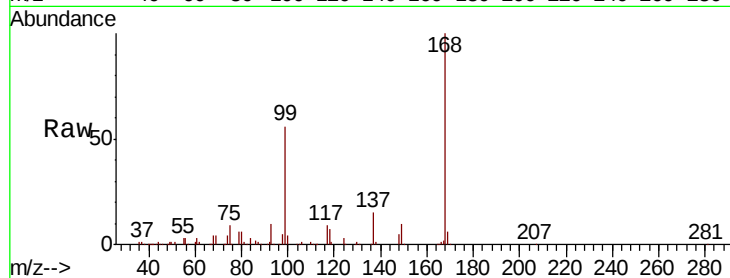
ClientSampled :

Tot Ion:168 Resp: 108320

Ion Ratio Lower Upper

168 100

99 56.4 44.4 66.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

40000

30000

20000

10000

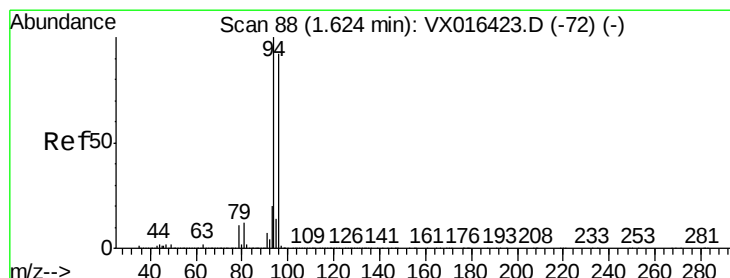
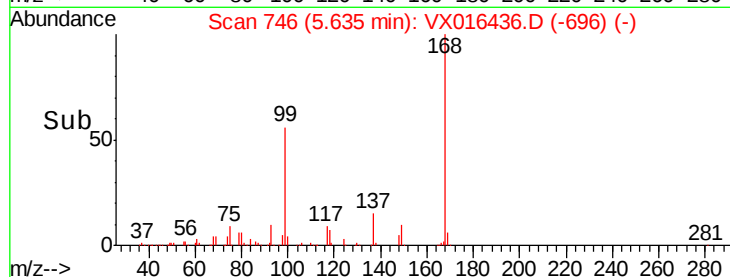
0

Time-->

5.50

5.60

5.70



#5

Bromomethane

Concen: 3.171 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016436.D

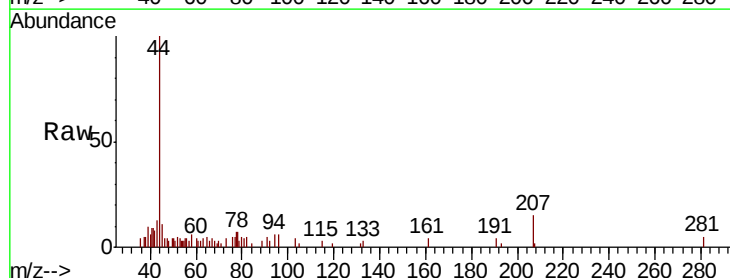
Acq: 26 May 2020 19:35

Tgt Ion: 94 Resp: 491

Ion Ratio Lower Upper

94 100

96 94.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

100

50

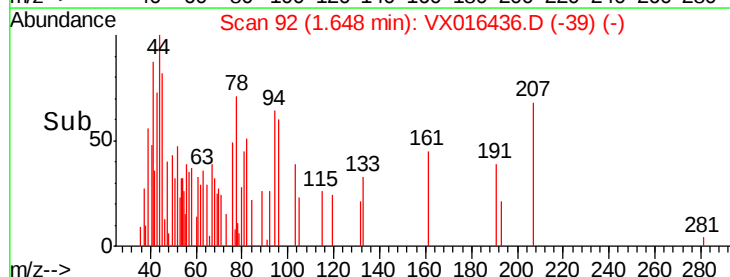
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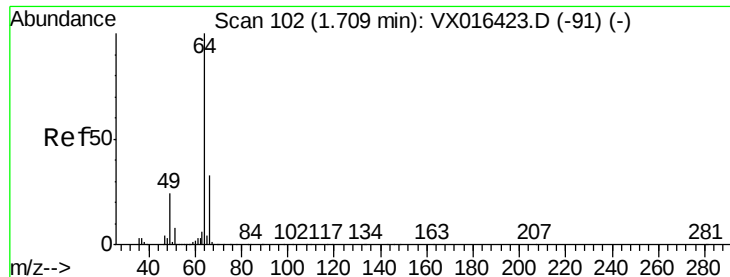
Time-->

1.60

1.65

1.70





#6

Chloroethane

Concen: 0.215 ug/l

RT: 1.73 min Scan# 106

Delta R.T. 0.02 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

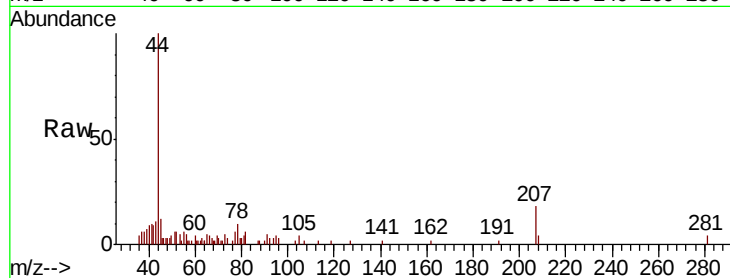
ClientSampleId :

Tot Ion: 64 Resp: 225

Ion Ratio Lower Upper

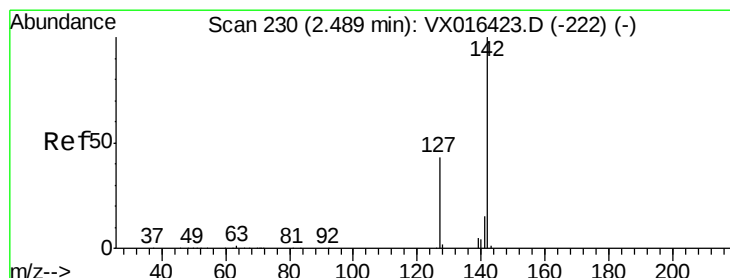
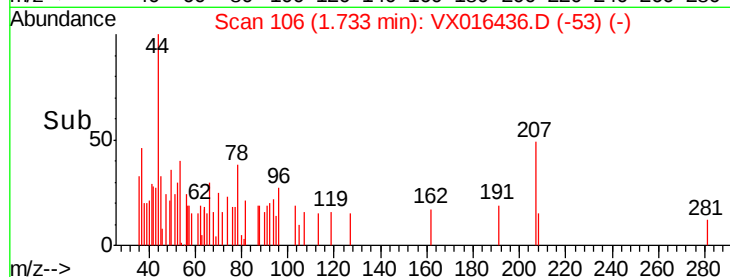
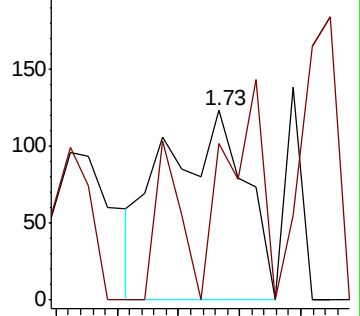
64 100

66 82.9 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.704 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

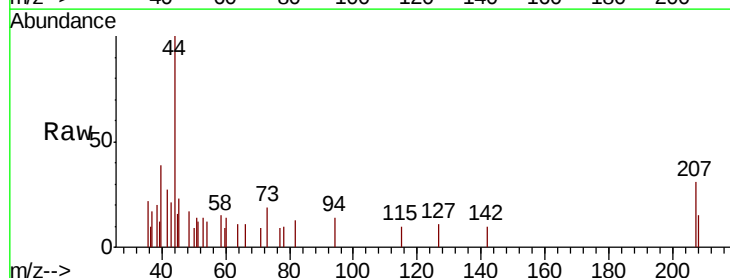
Tgt Ion: 142 Resp: 22

Ion Ratio Lower Upper

142 100

127 113.6 36.2 54.4#

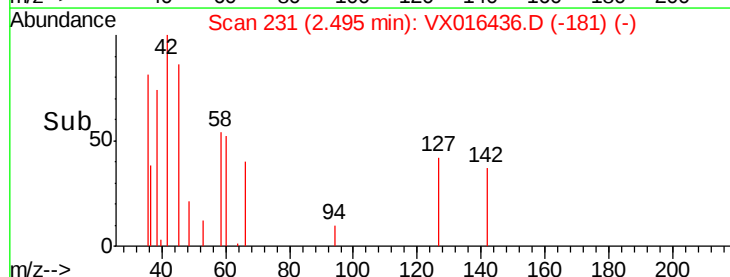
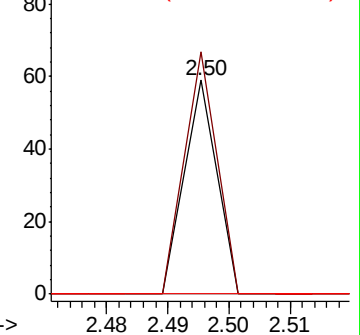
141 0.0 12.2 18.2#

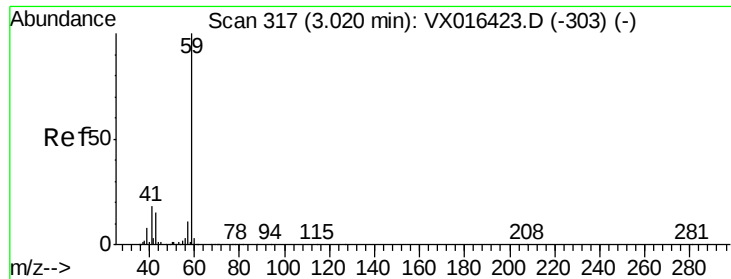


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



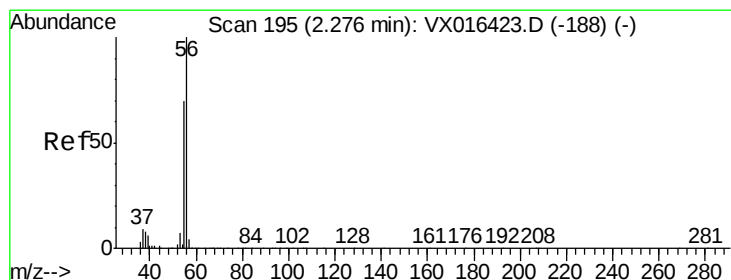
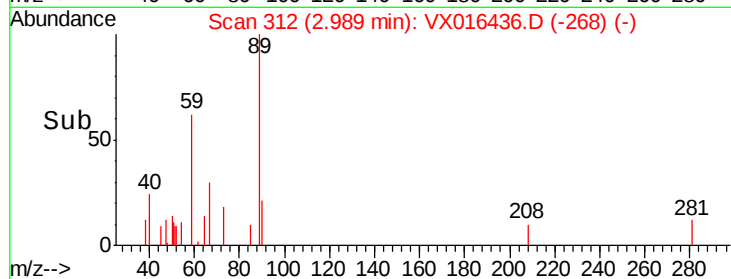
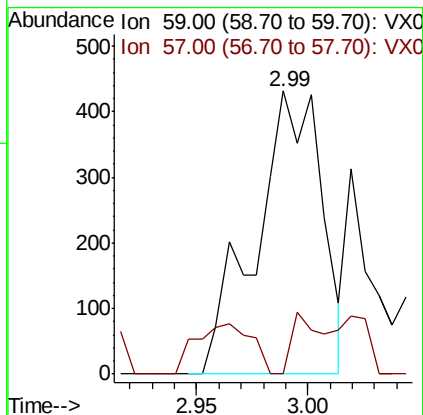
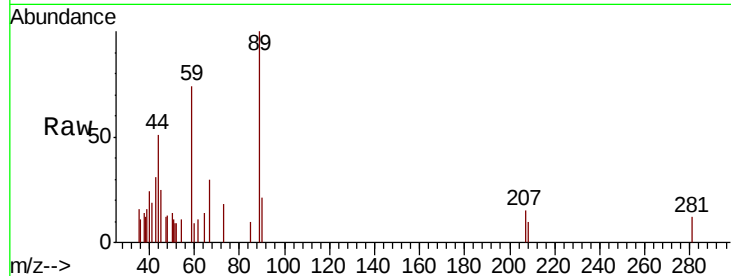


#11

Tert butvl alcohol
 Concen: 2.747 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX016436.D
 Acq: 26 May 2020 19:35

Instrument :
 MSVOA_X
 ClientSampleId :

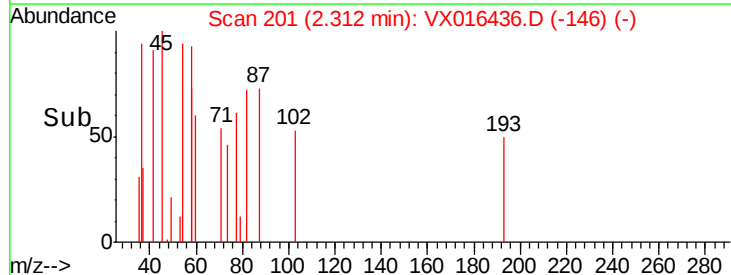
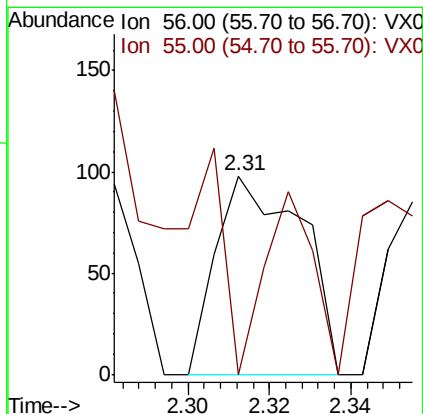
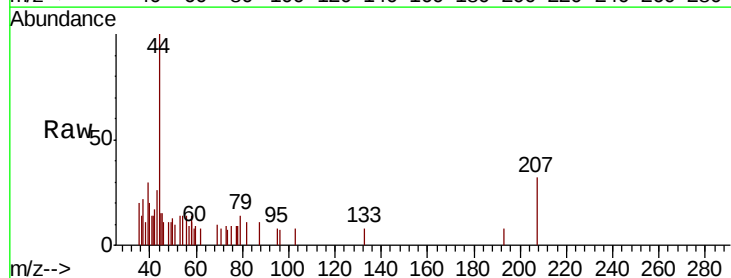
Tot Ion: 59 Resp: 891
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.5 12.7

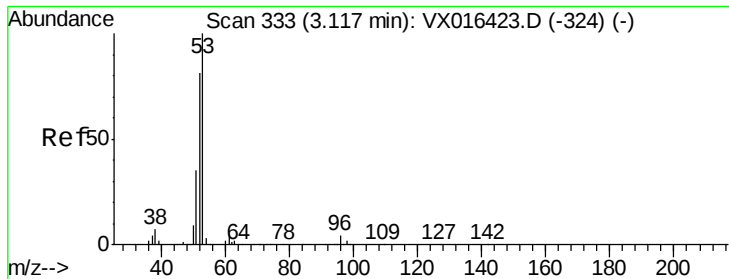


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 201
 Delta R.T. 0.04 min
 Lab File: VX016436.D
 Acq: 26 May 2020 19:35

Tgt Ion: 56 Resp: 143
 Ion Ratio Lower Upper
 56 100
 55 52.4 56.5 84.7#





#15

Acrylonitrile

Concen: 0.353 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

ClientSampled :

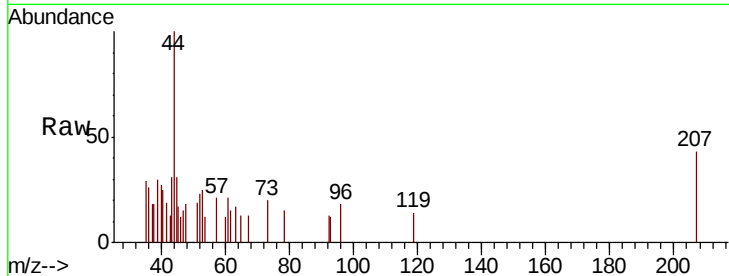
Tot Ion: 53 Resp: 228

Ion Ratio Lower Upper

53 100

52 46.9 65.4 98.2#

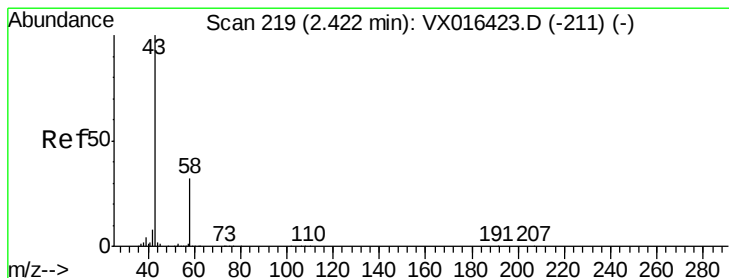
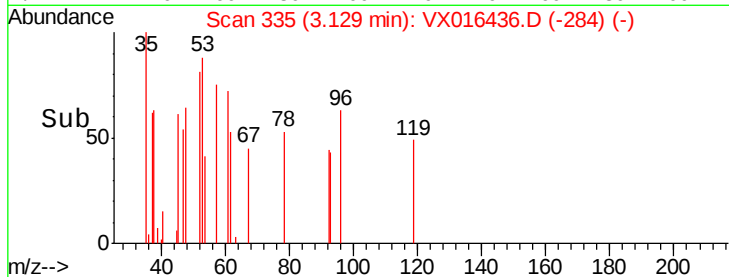
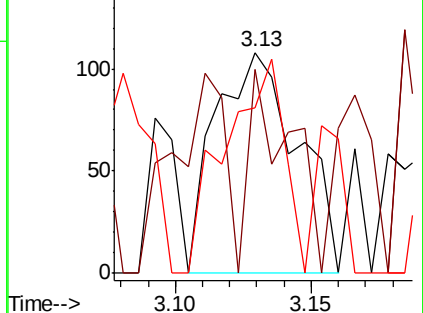
51 69.3 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 15.984 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016436.D

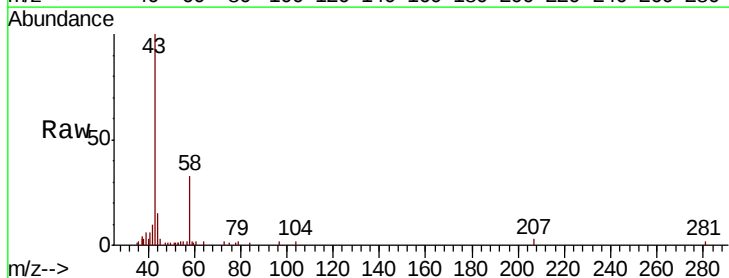
Acq: 26 May 2020 19:35

Tgt Ion: 43 Resp: 8933

Ion Ratio Lower Upper

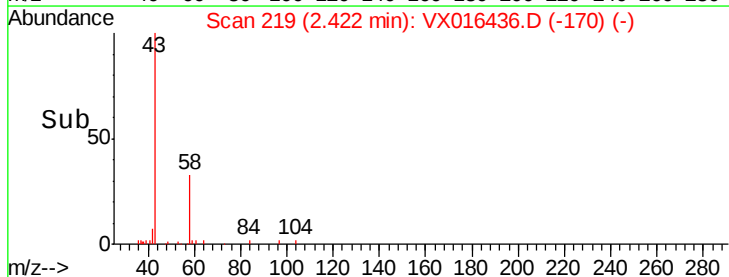
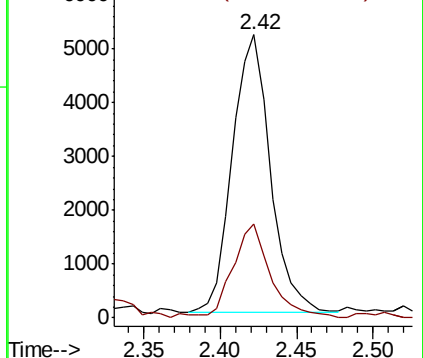
43 100

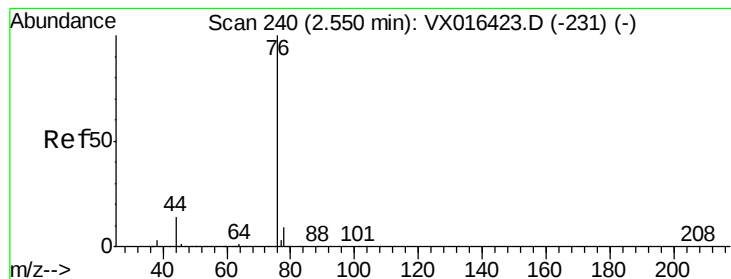
58 34.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.329 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

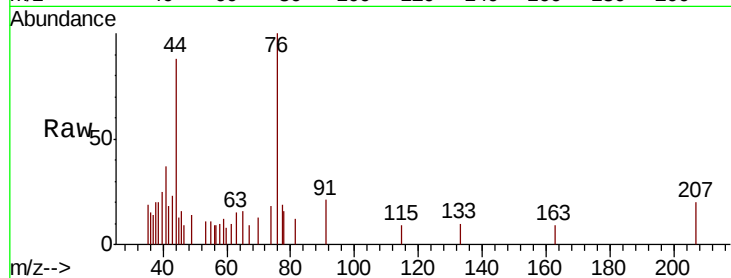
ClientSampleId :

Tot Ion: 76 Resp: 1022

Ion Ratio Lower Upper

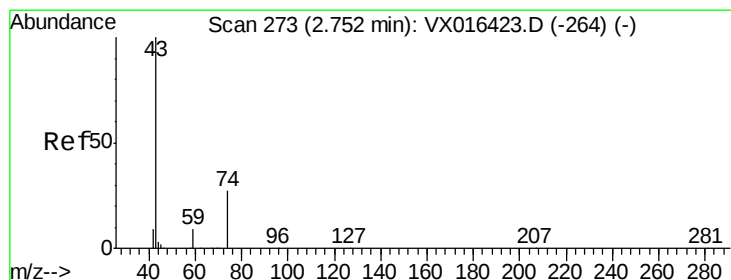
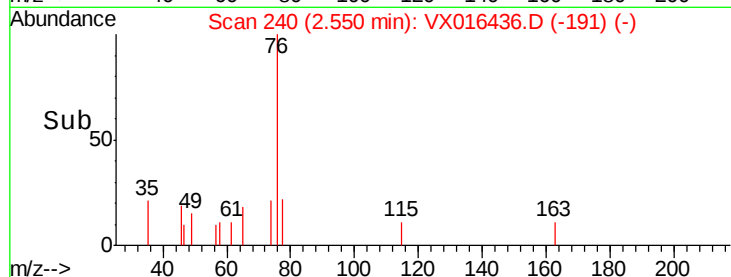
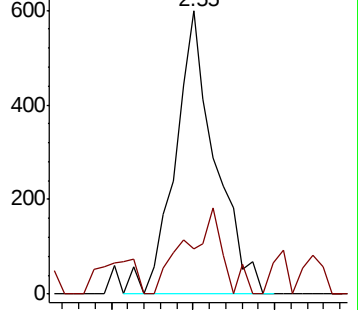
76 100

78 4.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.295 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016436.D

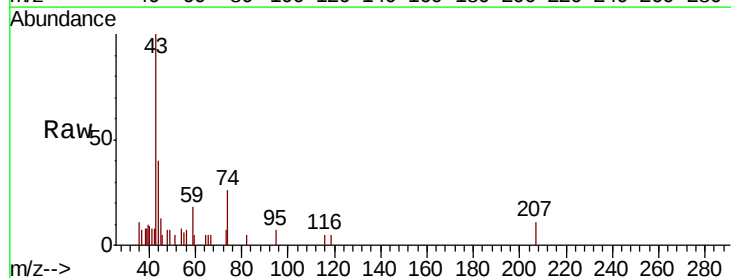
Acq: 26 May 2020 19:35

Tgt Ion: 43 Resp: 1765

Ion Ratio Lower Upper

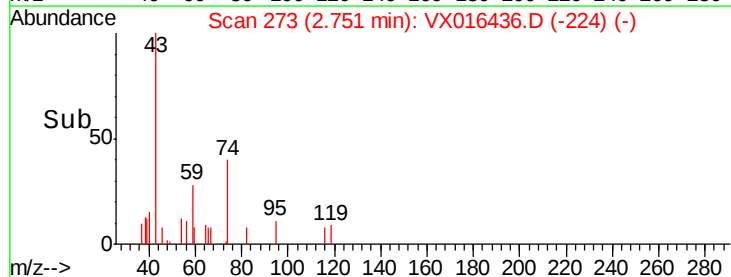
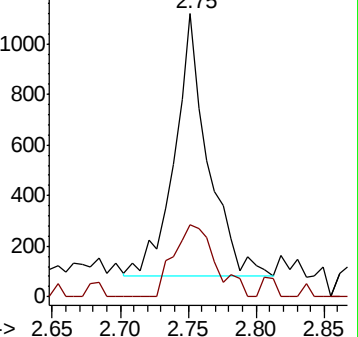
43 100

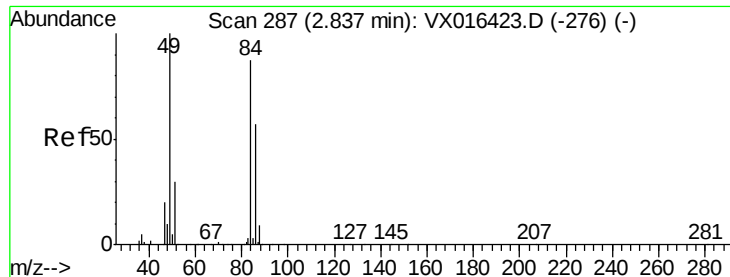
74 34.6 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

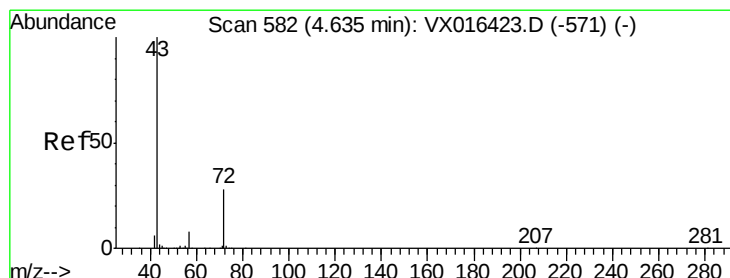
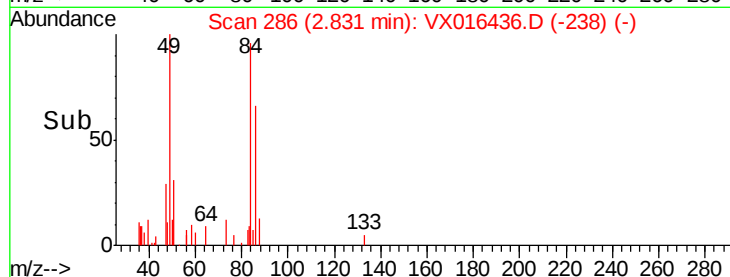
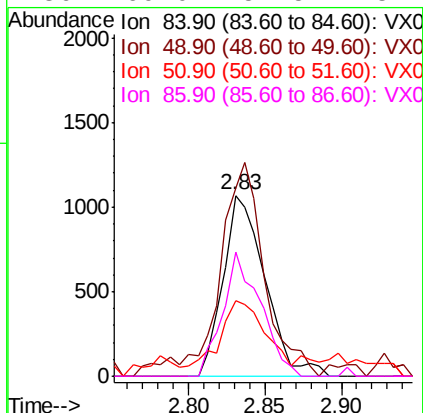
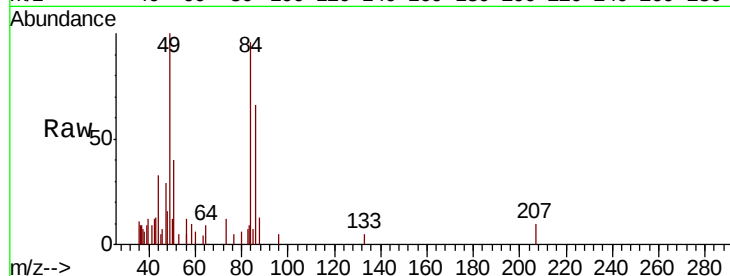




#20
Methvlene Chloride
Concen: 1.682 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016436.D
Acq: 26 May 2020 19:35

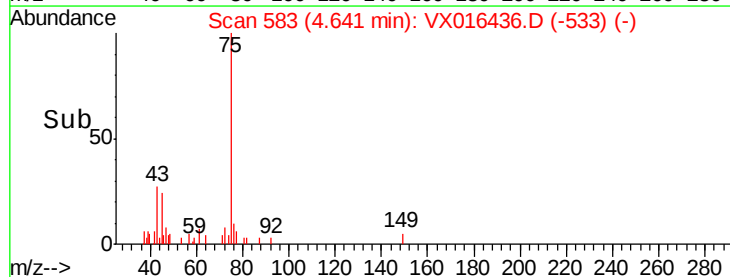
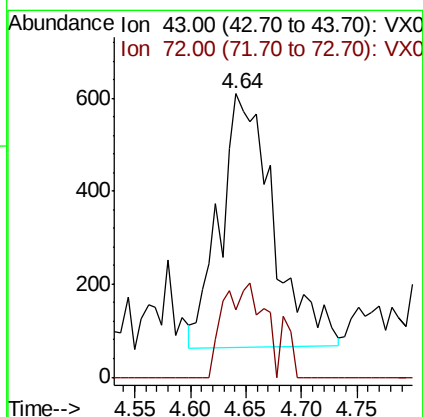
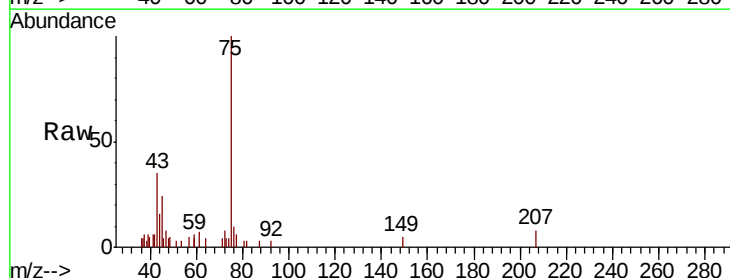
Instrument :
MSVOA_X
ClientSampleId :

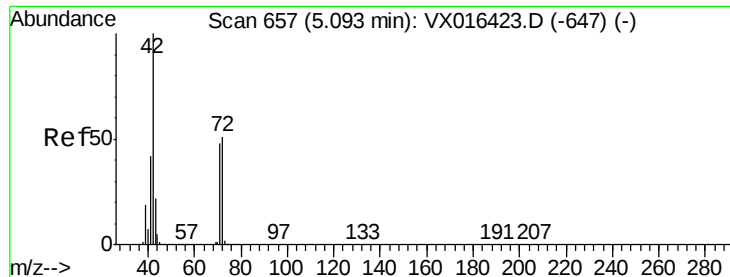
Tot Ion:	84	Resp:	2028
Ion	Ratio	Lower	Upper
84	100		
49	99.2	92.2	138.4
51	36.1	27.8	41.8
86	69.0	52.5	78.7



#25
2-Butanone
Concen: 2.006 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016436.D
Acq: 26 May 2020 19:35

Tgt Ion:	43	Resp:	1822
Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.7	34.1

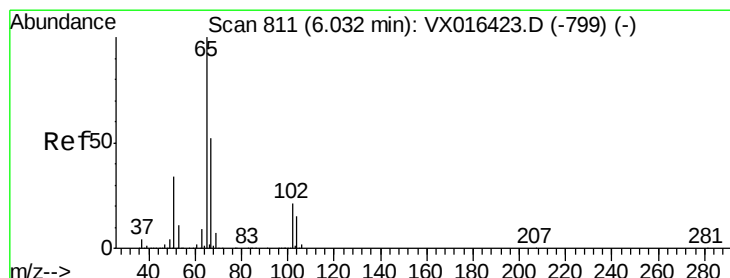
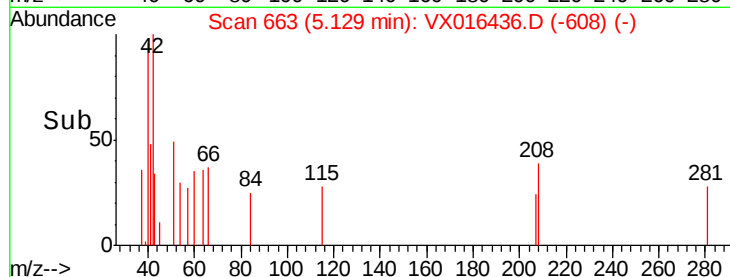
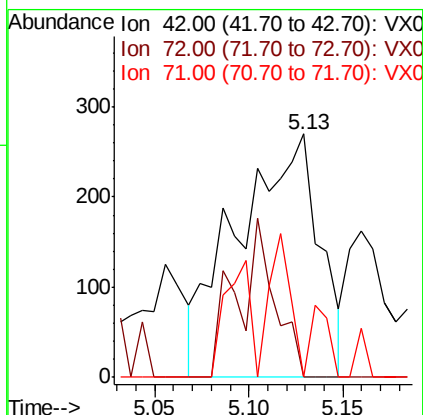
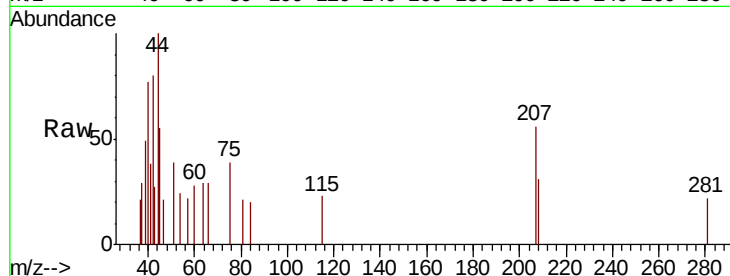




#29
Tetrahydrofuran
Concen: 1.381 ug/l
RT: 5.13 min Scan# 663
Delta R.T. 0.04 min
Lab File: VX016436.D
Acq: 26 May 2020 19:35

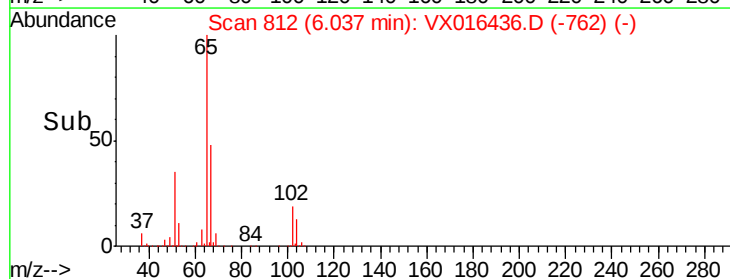
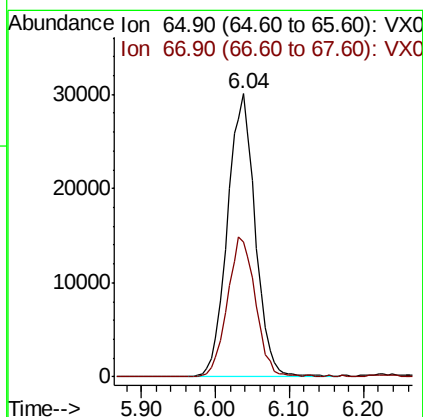
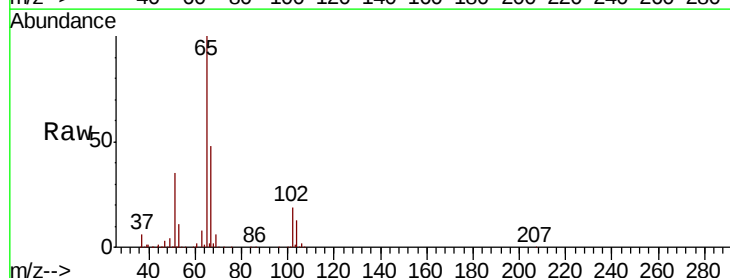
Instrument :
MSVOA_X
ClientSampleId :

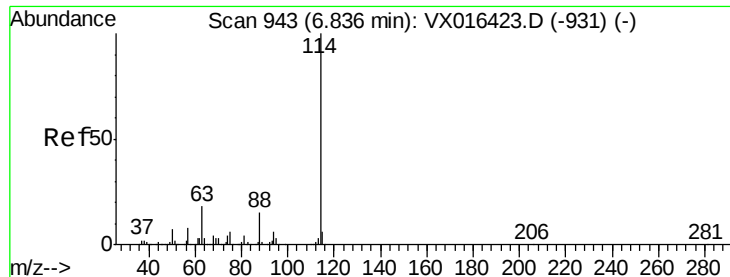
Tot Ion: 42 Resp: 813
Ion Ratio Lower Upper
42 100
72 0.0 40.2 60.4#
71 6.5 37.7 56.5#



#33
1,2-Dichloroethane-d4
Concen: 56.033 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016436.D
Acq: 26 May 2020 19:35

Tgt Ion: 65 Resp: 78618
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

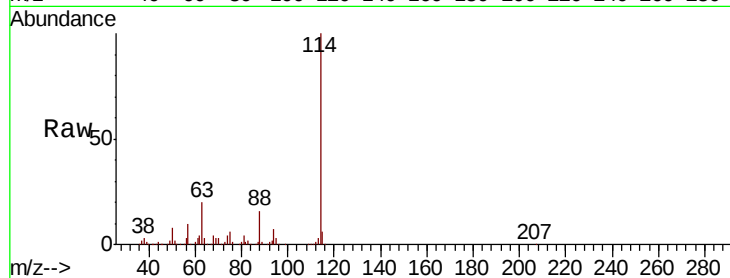
Tot Ion:114 Resp: 193685

Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

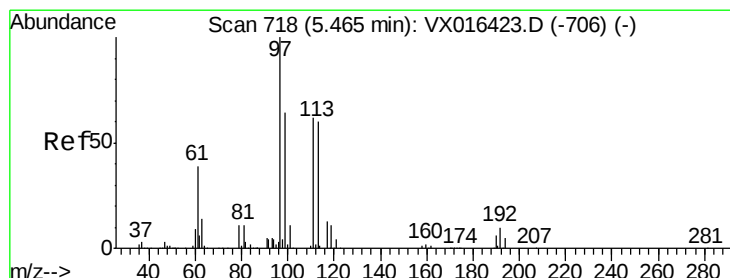
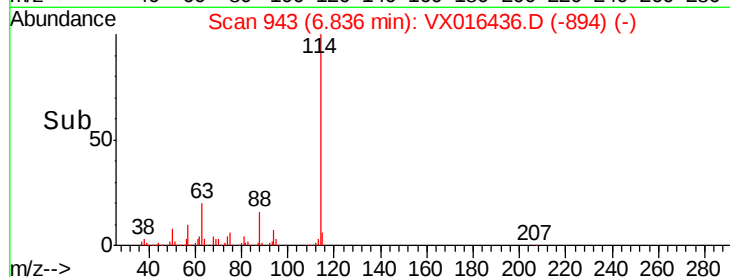
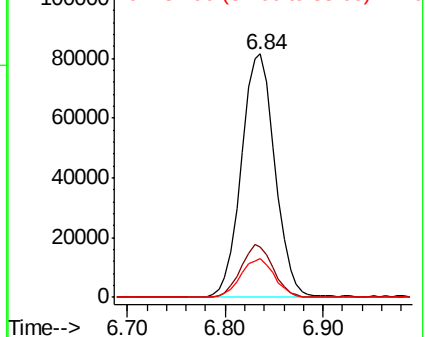
88 16.1 0.0 29.2



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: 47.782 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

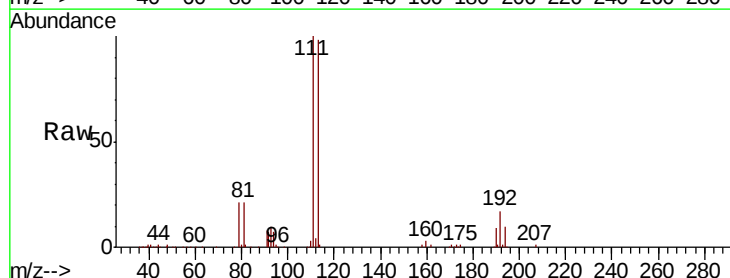
Tgt Ion:113 Resp: 59194

Ion Ratio Lower Upper

113 100

111 102.7 82.5 123.7

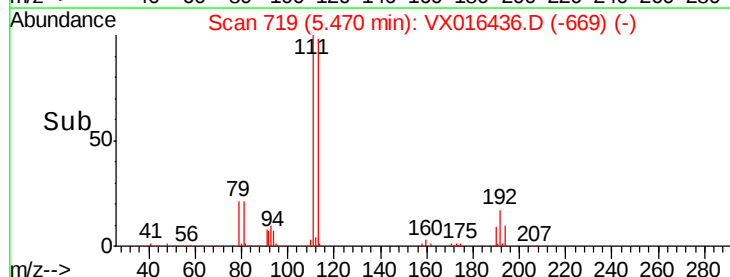
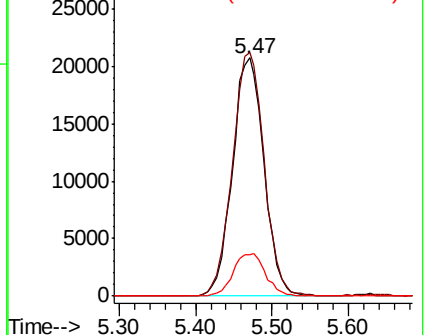
192 18.1 16.5 24.7

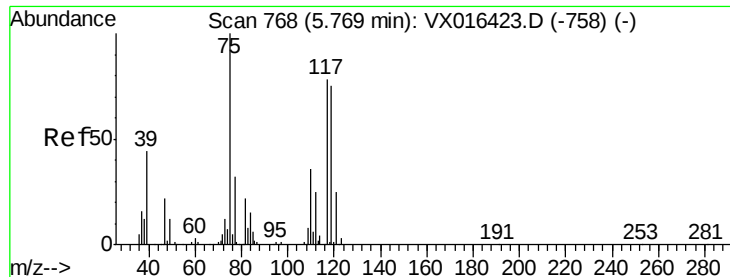


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.668 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :
MSVOA_X
ClientSampleId :

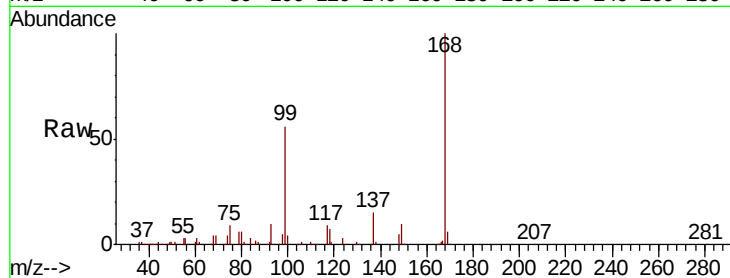
Tot Ion: 75 Resp: 9732

Ion Ratio Lower Upper

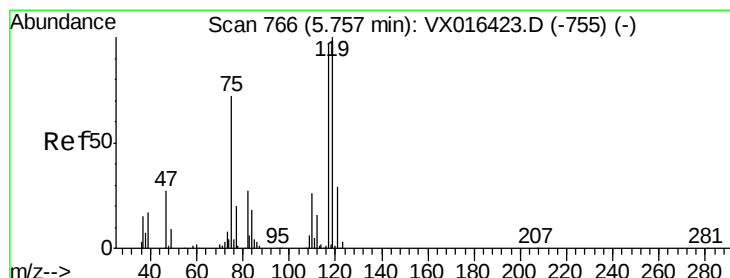
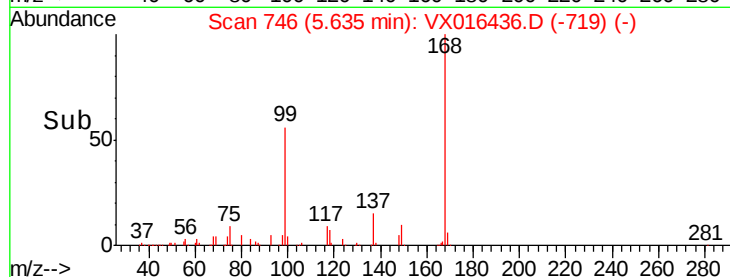
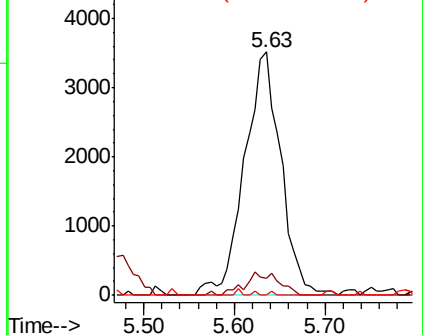
75 100

110 0.0 18.7 56.1#

77 0.2 24.9 37.3#



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: 5.987 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

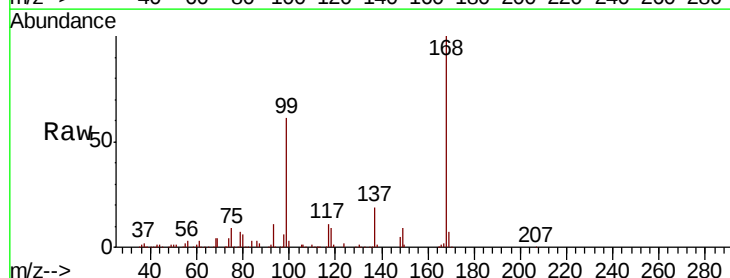
Tgt Ion: 117 Resp: 11142

Ion Ratio Lower Upper

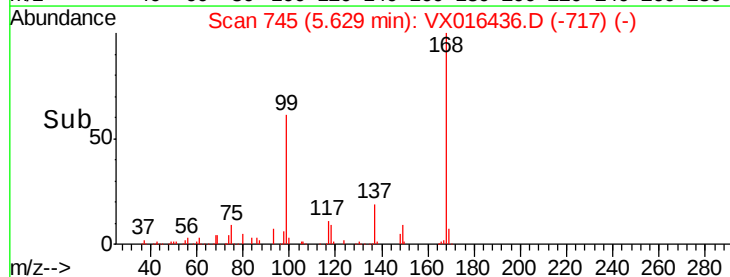
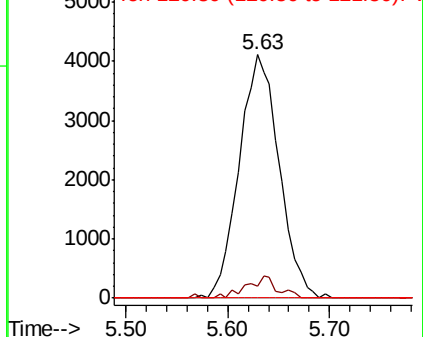
117 100

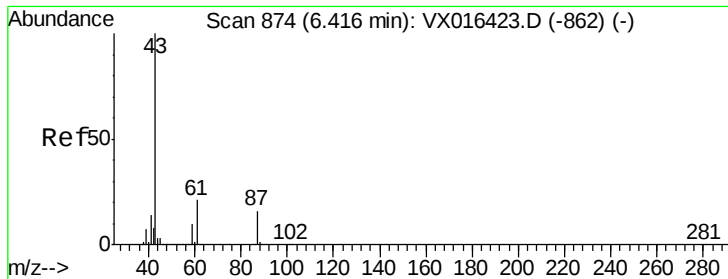
119 4.9 82.2 123.4#

121 0.0 24.1 36.1#



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



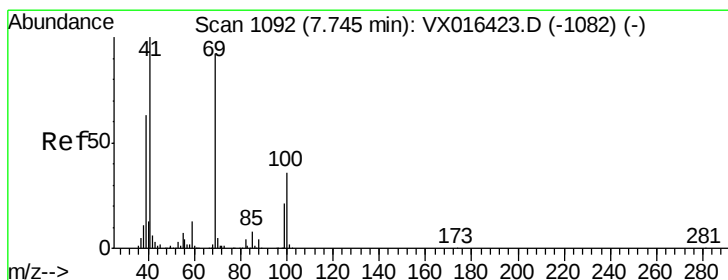
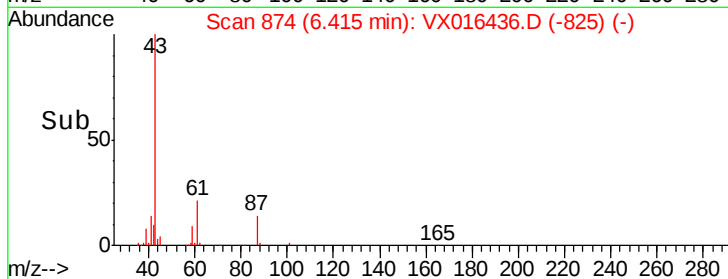
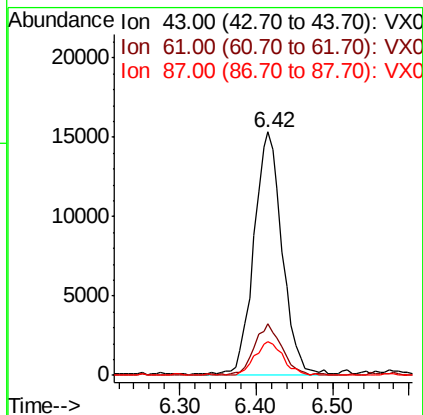
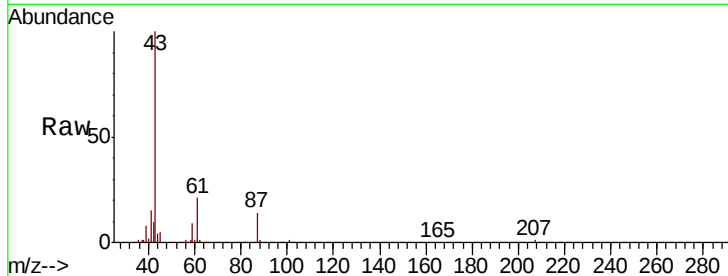


#43

Isopropyl Acetate
 Concen: 13.112 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016436.D
 Acq: 26 May 2020 19:35

Instrument :
 MSVOA_X
 ClientSampleId :

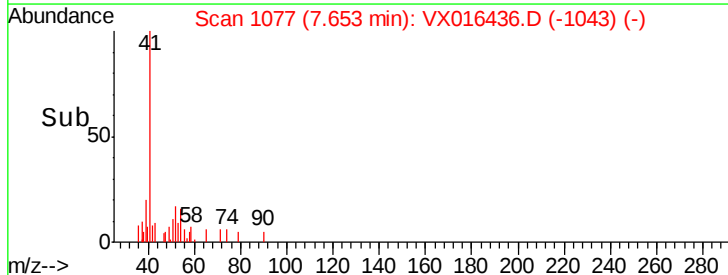
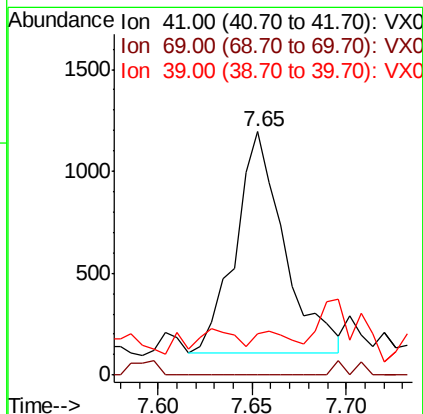
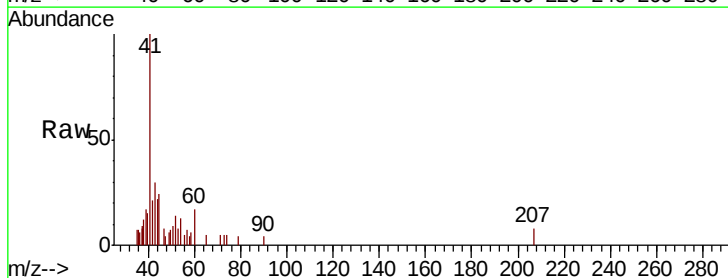
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.2	25.8
87	13.6	12.3	18.5

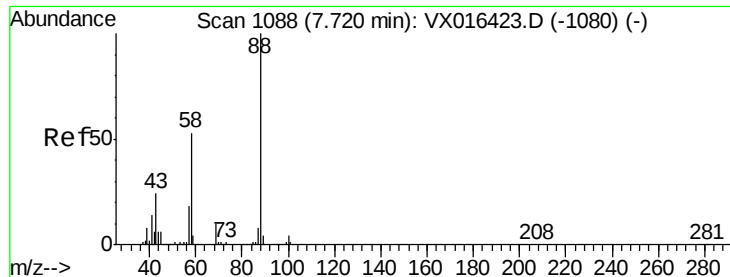


#48

Methyl methacrylate
 Concen: 1.417 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.09 min
 Lab File: VX016436.D
 Acq: 26 May 2020 19:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.8	107.8#
39	0.0	48.6	73.0#





#49

1,4-Dioxane

Concen: 0.532 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

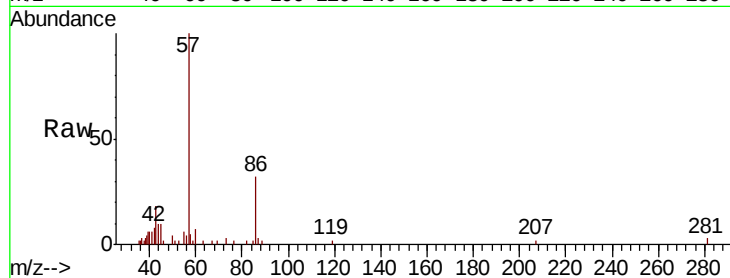
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.6#

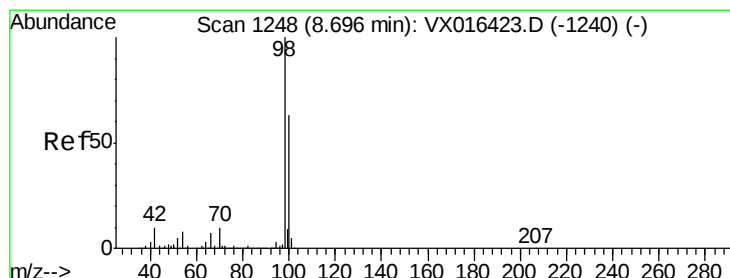
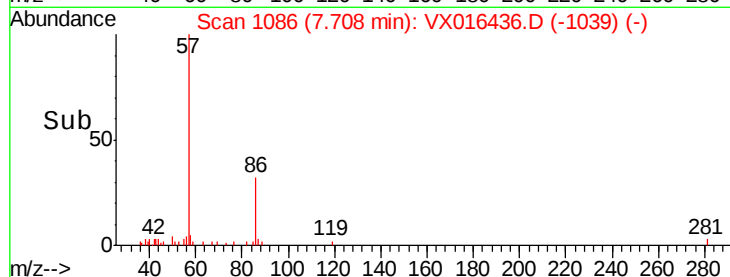
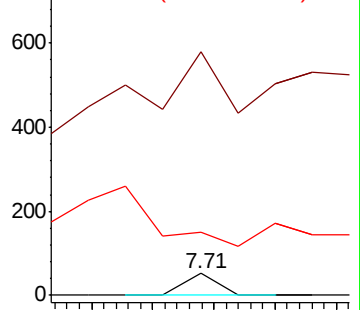
58 2068.4 51.7 77.5#



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: 57.325 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016436.D

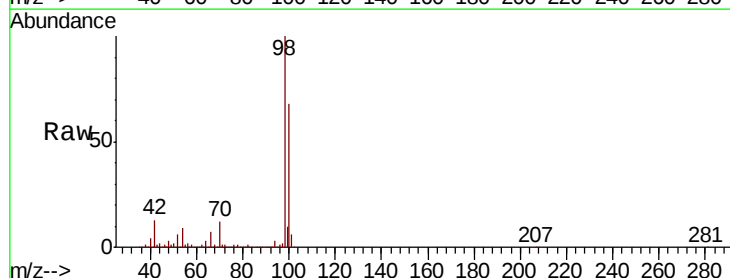
Acq: 26 May 2020 19:35

Tgt Ion: 98 Resp: 261587

Ion Ratio Lower Upper

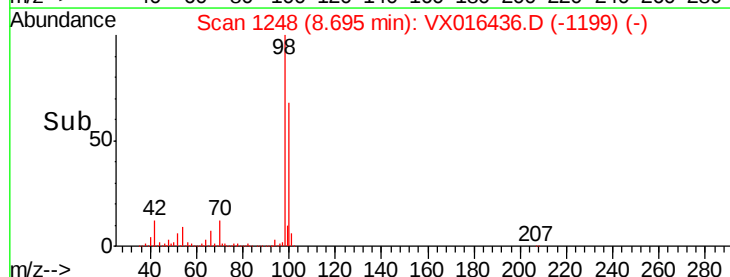
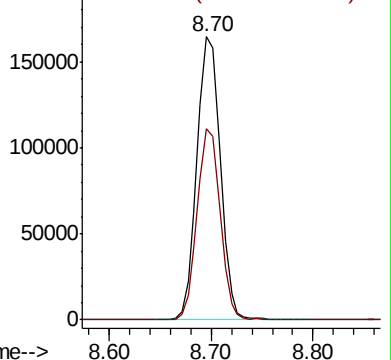
98 100

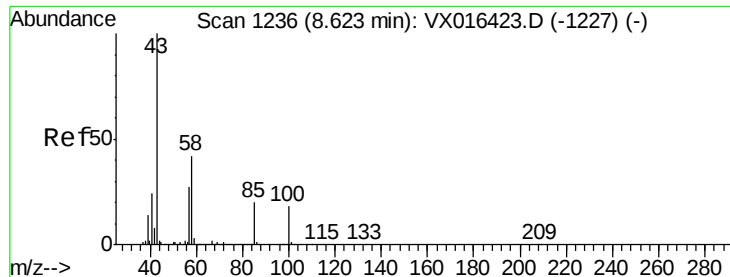
100 66.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 20.109 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

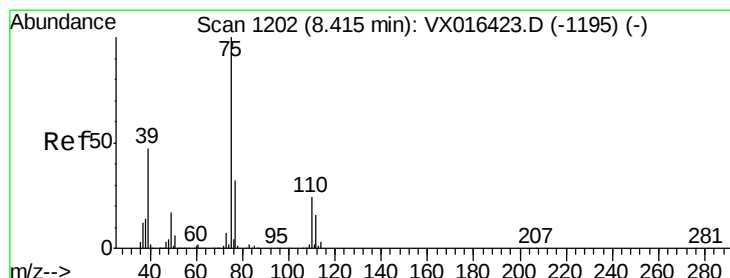
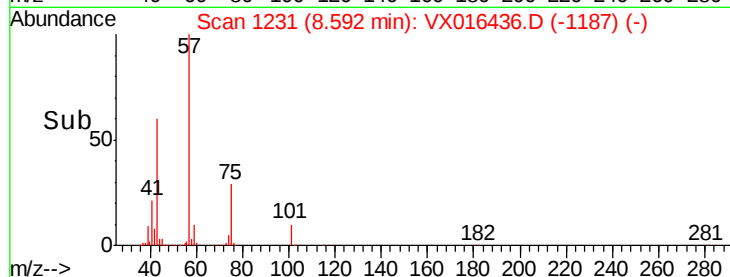
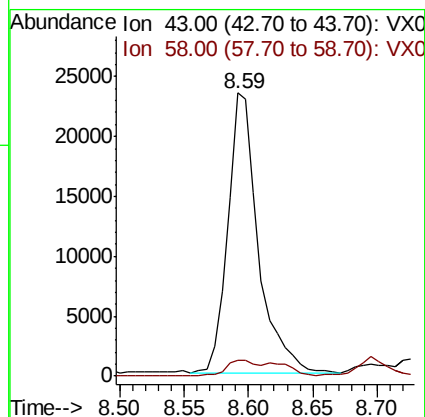
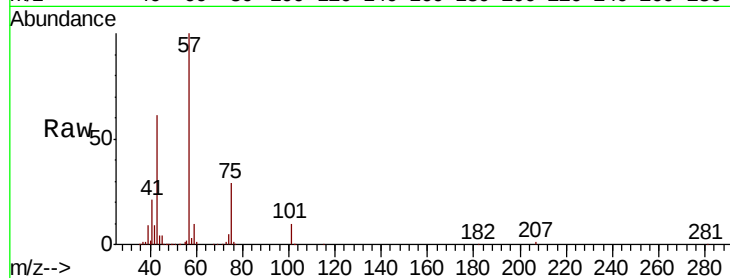
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 38684

Ion Ratio Lower Upper

43 100

58 6.1 33.8 50.6#



#54

cis-1,3-Dichloropropene

Concen: 7.874 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

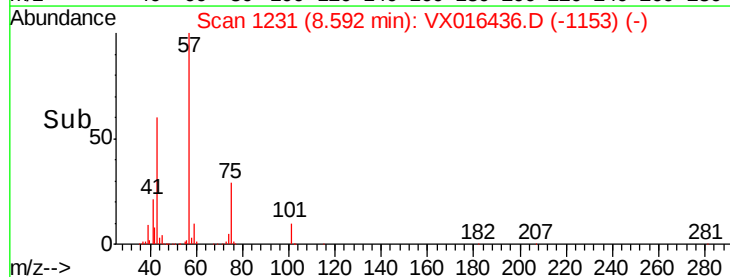
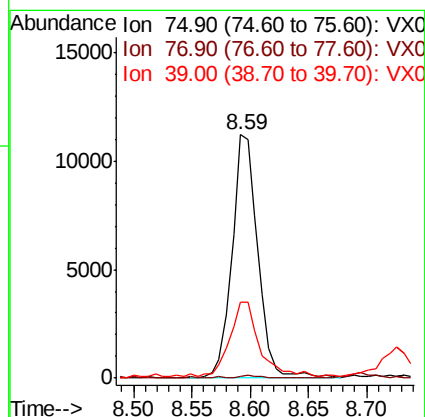
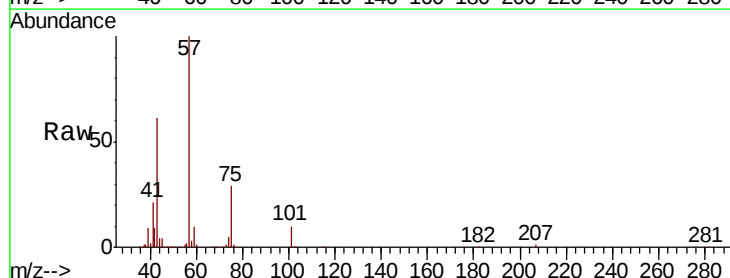
Tgt Ion: 75 Resp: 17355

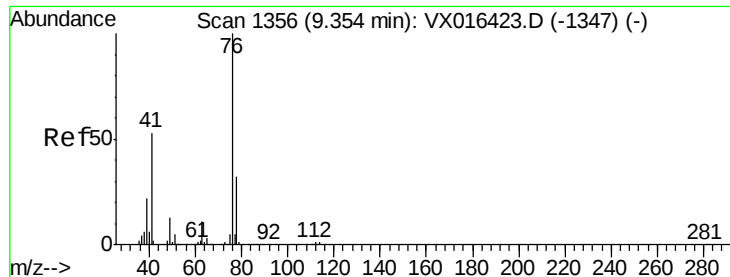
Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

39 30.2 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.487 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

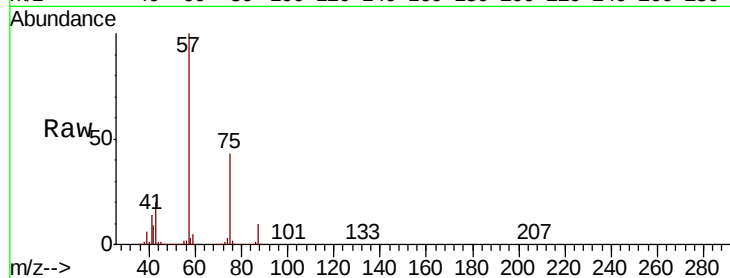
ClientSampled :

Tot Ion: 76 Resp: 3307

Ion Ratio Lower Upper

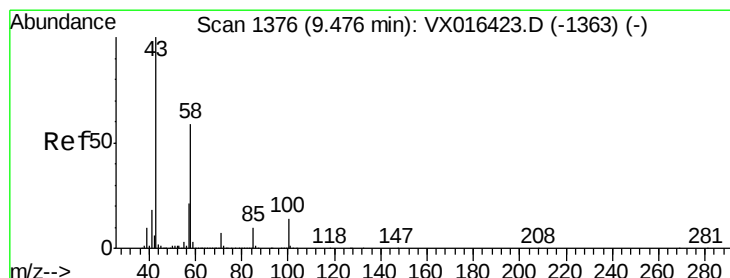
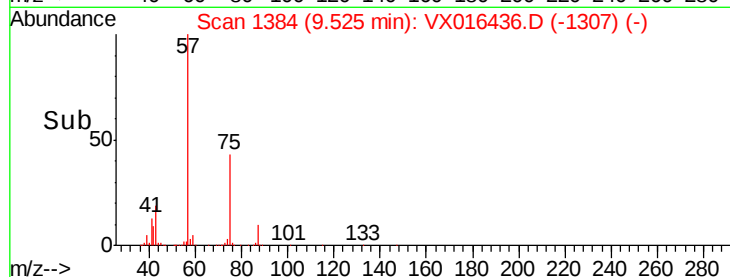
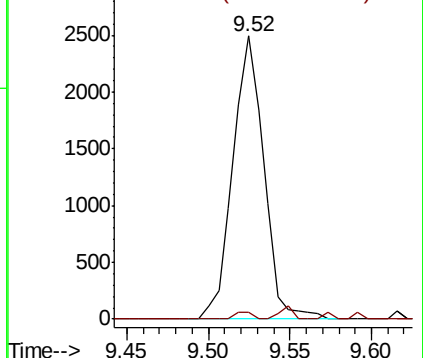
76 100

78 1.3 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 28.235 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016436.D

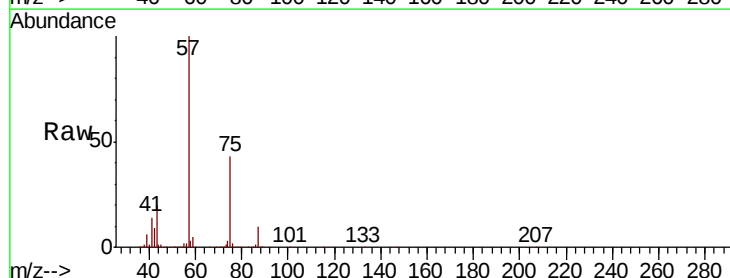
Acq: 26 May 2020 19:35

Tgt Ion: 43 Resp: 41825

Ion Ratio Lower Upper

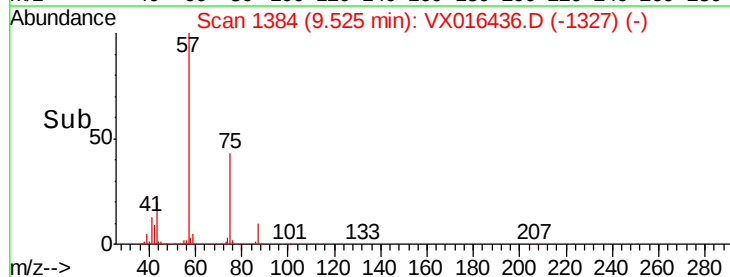
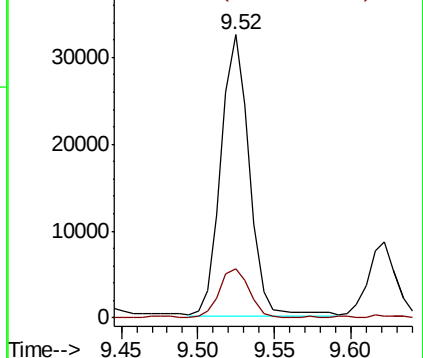
43 100

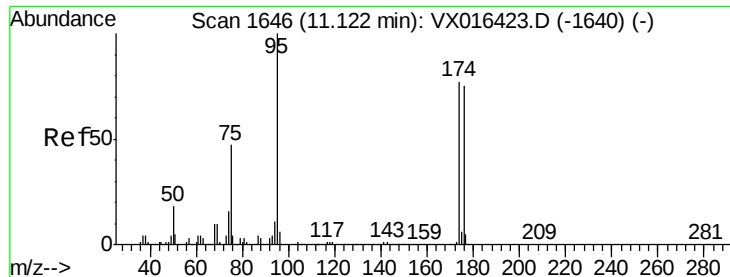
58 18.4 29.1 87.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

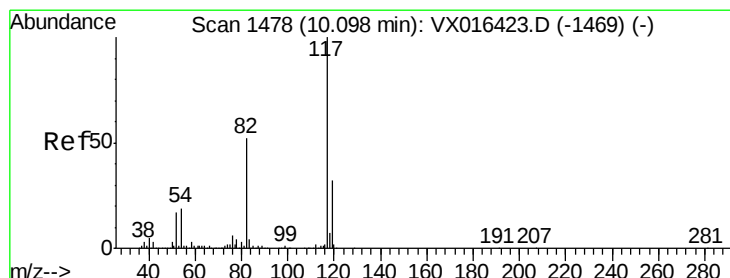
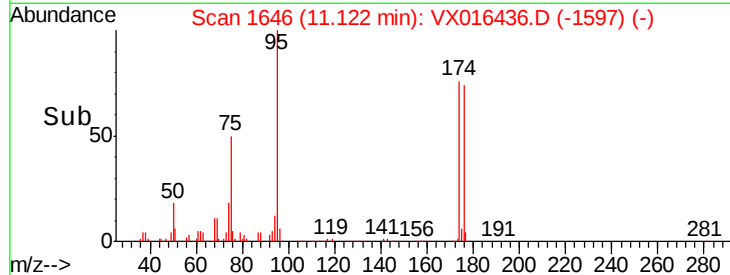
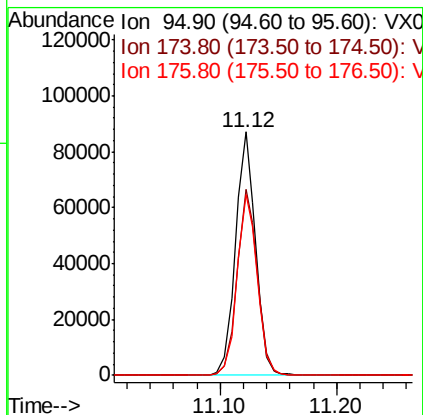
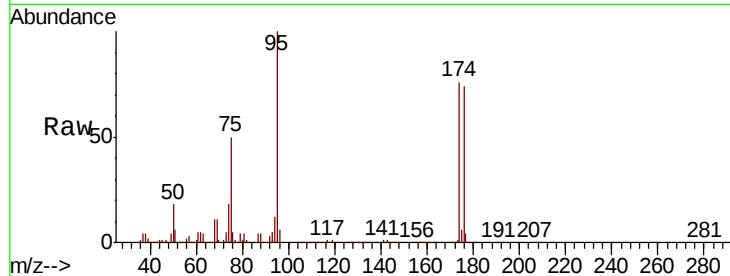




#62
4-Bromofluorobenzene
Concen: 61.532 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016436.D
Acq: 26 May 2020 19:35

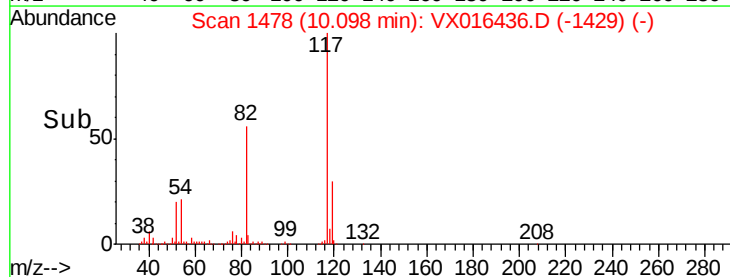
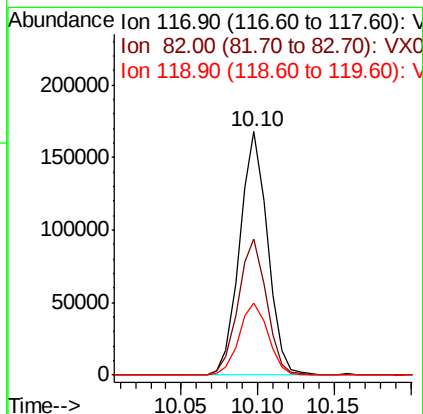
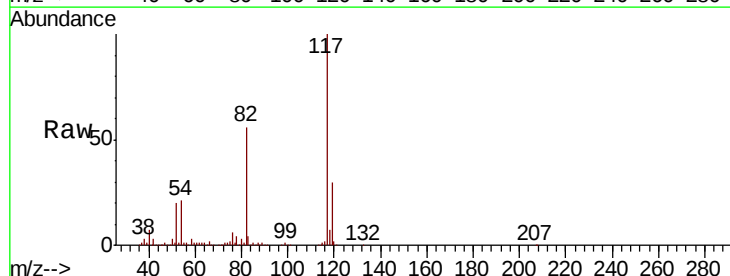
Instrument :
MSVOA_X
ClientSampleId :

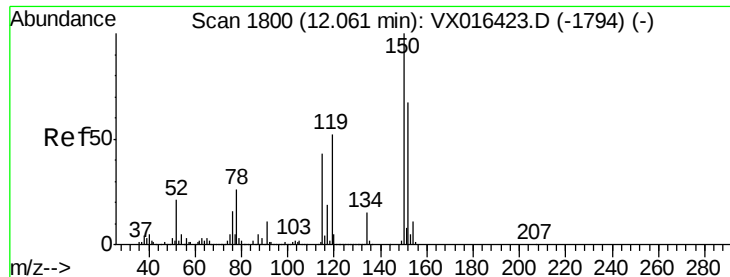
Tot Ion: 95 Resp: 104204
Ion Ratio Lower Upper
95 100
174 77.1 0.0 162.6
176 74.9 0.0 158.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016436.D
Acq: 26 May 2020 19:35

Tgt Ion: 117 Resp: 212780
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.6
119 29.8 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: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

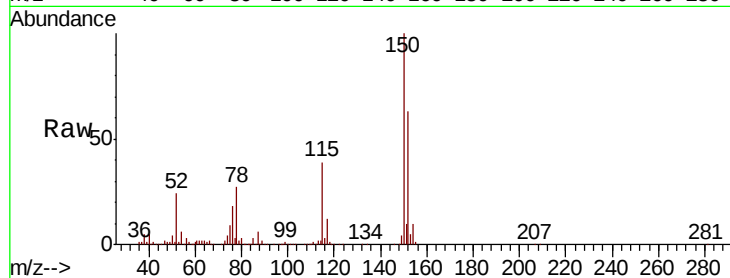
Tot Ion:152 Resp: 100360

Ion Ratio Lower Upper

152 100

115 60.5 40.4 121.2

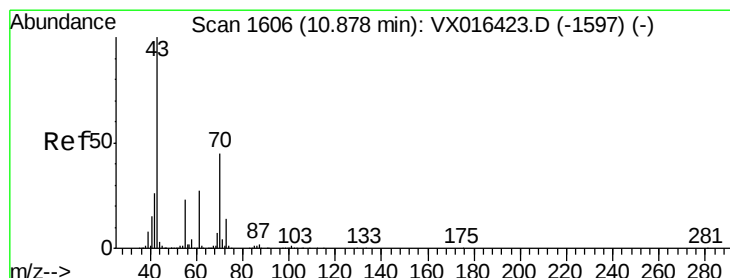
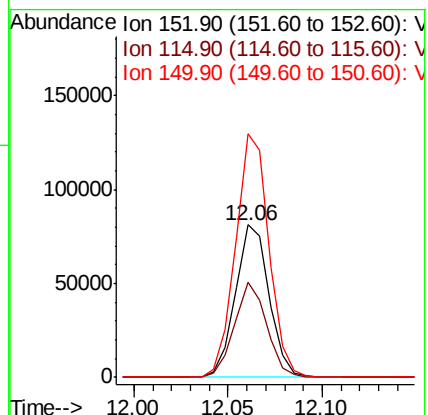
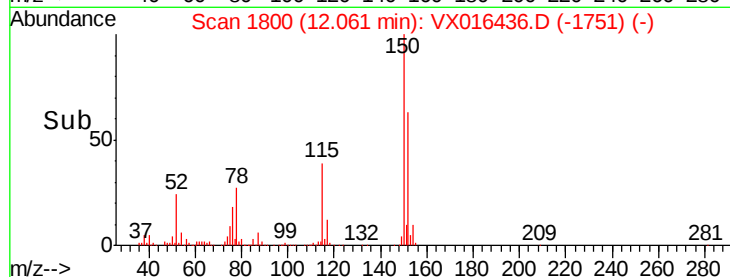
150 158.6 0.0 345.8



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



#74

N-ethyl acetate

Concen: 0.670 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Tgt Ion: 43 Resp: 1930

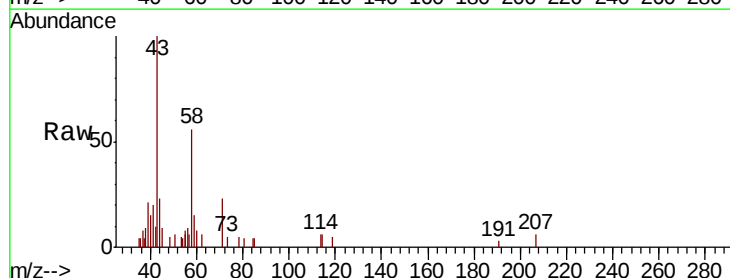
Ion Ratio Lower Upper

43 100

70 2.6 38.0 57.0#

55 19.0 20.0 30.0#

61 0.0 21.4 32.2#

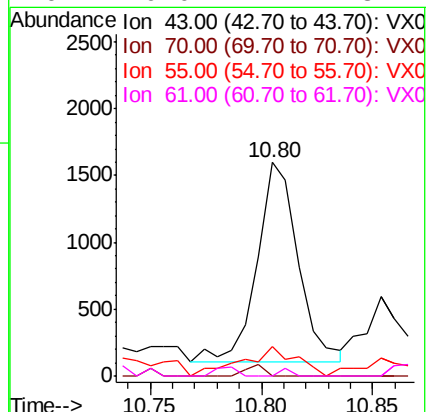
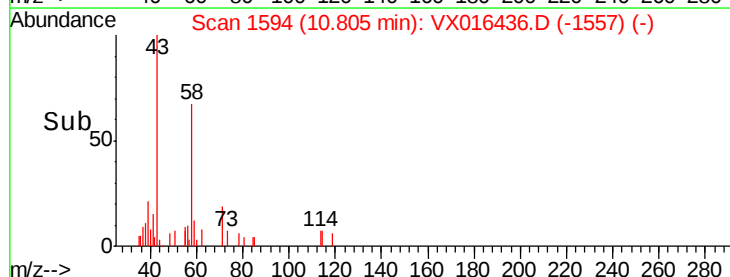


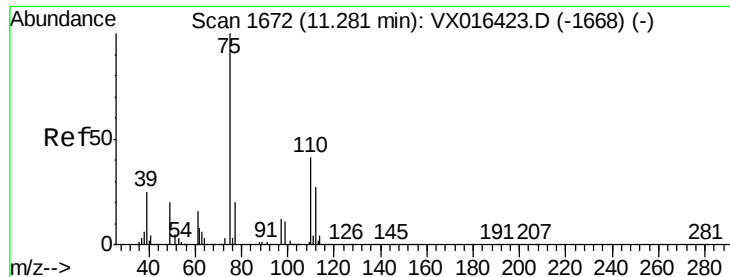
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.810 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016436.D

Acq: 26 May 2020 19:35

Instrument :

MSVOA_X

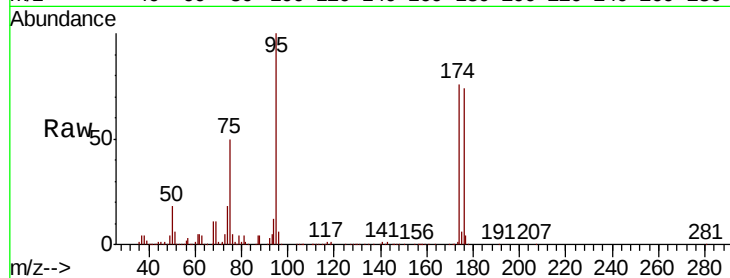
ClientSampleId :

Tot Ion: 75 Resp: 53762

Ion Ratio Lower Upper

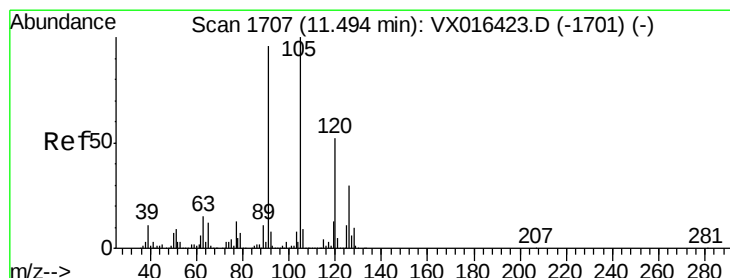
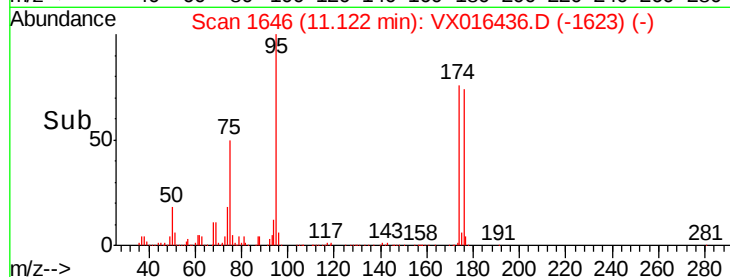
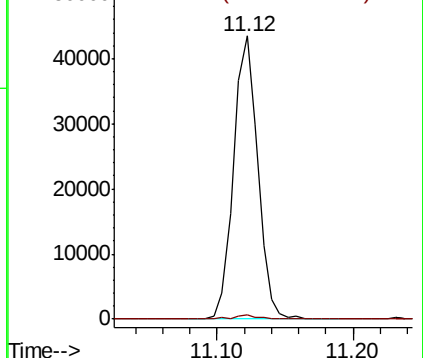
75 100

77 1.3 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.327 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016436.D

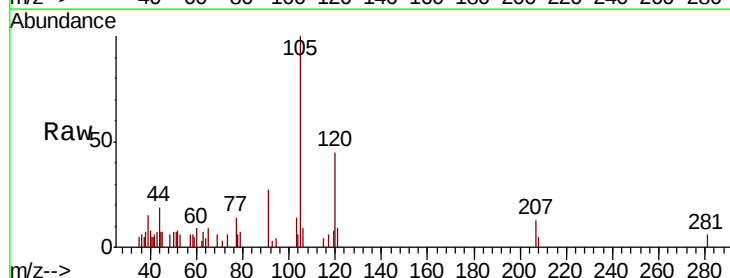
Acq: 26 May 2020 19:35

Tgt Ion: 105 Resp: 1851

Ion Ratio Lower Upper

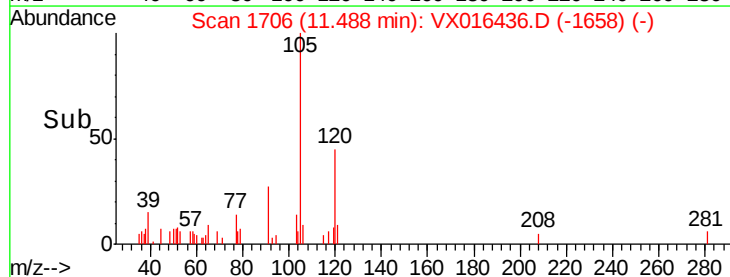
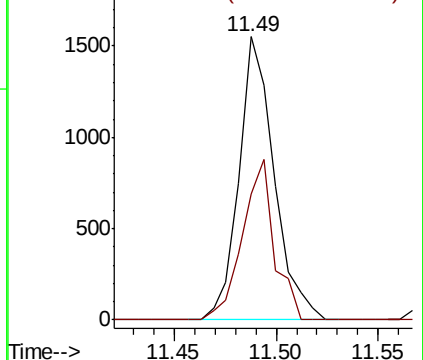
105 100

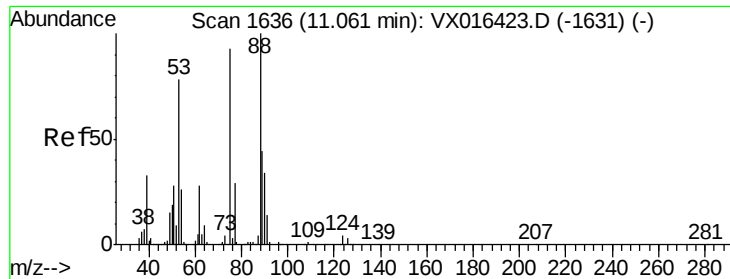
120 51.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.067 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016436.D
 Acq: 26 May 2020 19:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 53762
 Ion Ratio Lower Upper
 75 100
 53 0.4 69.4 104.2#
 89 0.0 37.0 55.6#

