

Data File : VX017229.D
Acq On : 08 Jul 2020 02:06
Operator : JC/SP
Sample : L3232-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

Quant Time: Jul 08 04:04:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	242357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	410015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	164143	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	5.46	113	141223	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	8.70	98	501594	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.12	95	206005	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	

Target Compounds

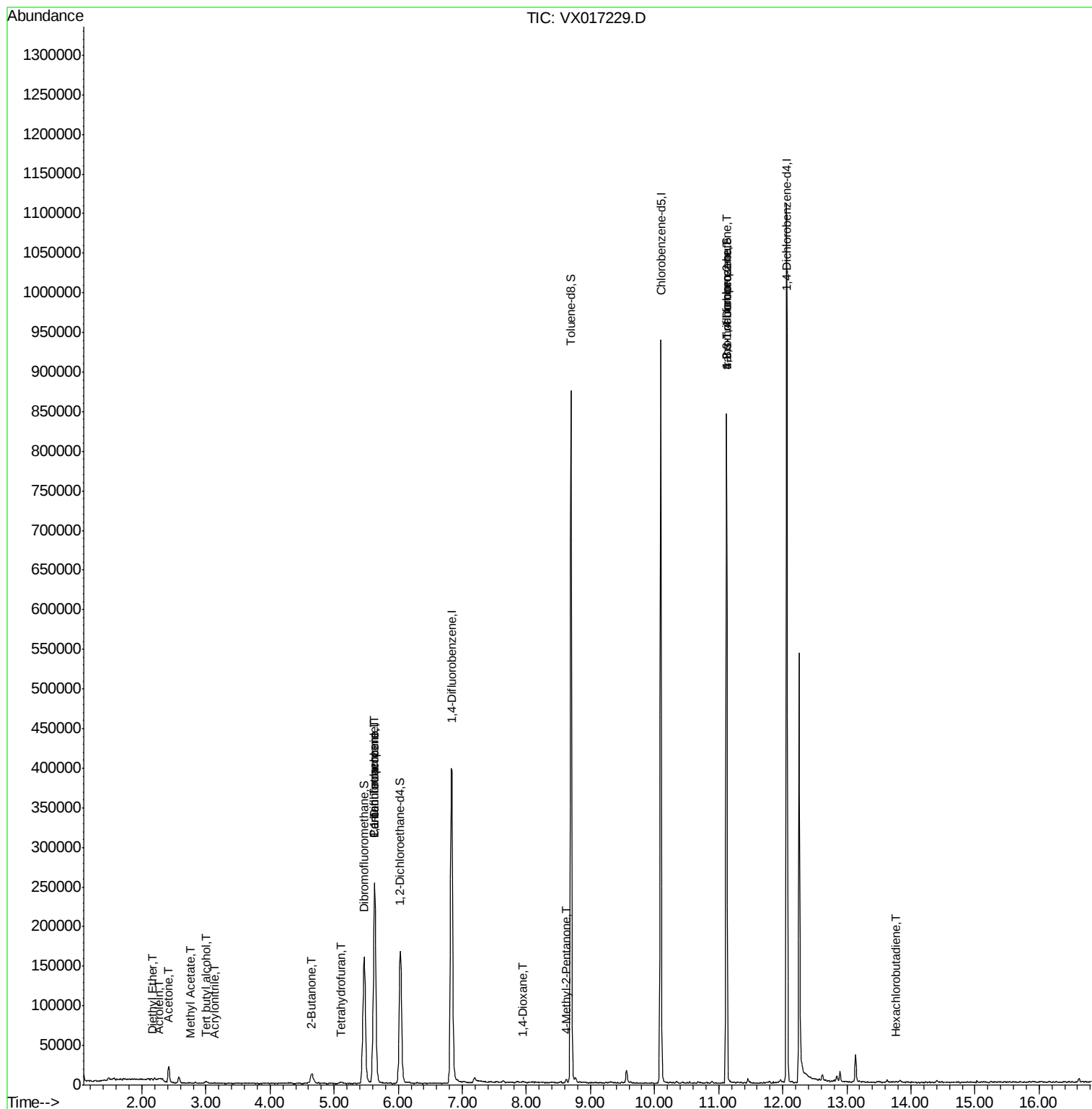
						Qvalue
8) Diethyl Ether	2.17	74	166	0.491	ug/l	87
11) Tert butyl alcohol	3.01	59	2317	4.065	ug/l #	84
13) Acrolein	2.27	56	286	0.839	ug/l #	74
15) Acrylonitrile	3.14	53	280	0.204	ug/l #	18
16) Acetone	2.42	43	21583	19.310	ug/l	97
18) Methyl Acetate	2.76	43	1488	0.510	ug/l	95
20) Methylene Chloride	2.84	84	519	Below Cal	#	83
25) 2-Butanone	4.65	43	4892	2.627	ug/l	91
29) Tetrahydrofuran	5.10	42	2216	1.801	ug/l #	54
36) 1,1-Dichloropropene	5.63	75	16630	4.291	ug/l #	52
38) Carbon Tetrachloride	5.63	117	23745	5.563	ug/l #	19
44) Trichloroethene	7.19	130	482	Below Cal		56
49) 1,4-Dioxane	7.94	88	29	0.412	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	3006	0.772	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	100936	22.501	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100936	58.270	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	777	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	82	0.889	ug/l #	56

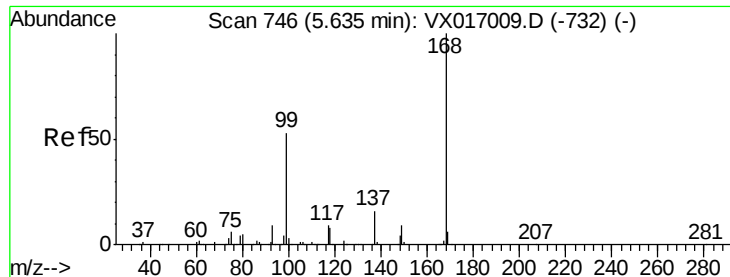
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

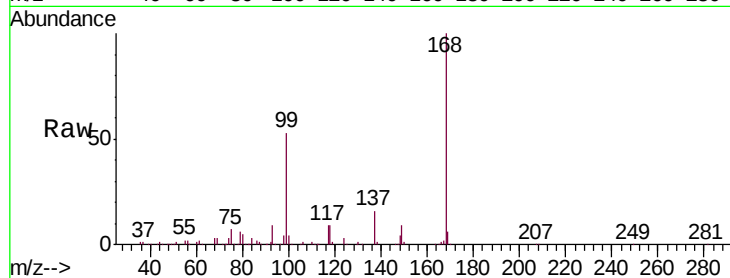
1013-FB070620

Tgt Ion:168 Resp: 242357

Ion Ratio Lower Upper

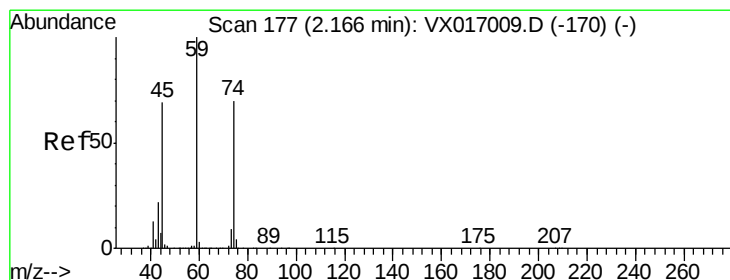
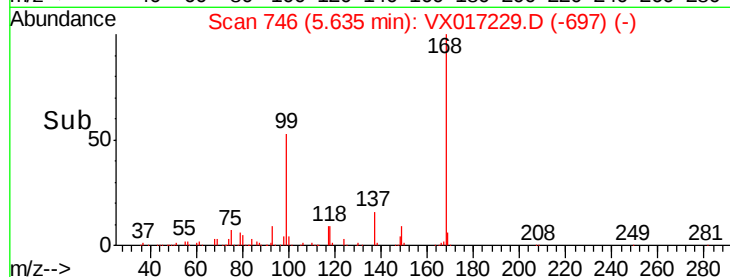
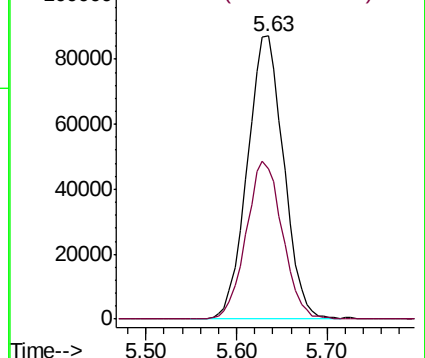
168 100

99 53.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.491 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX017229.D

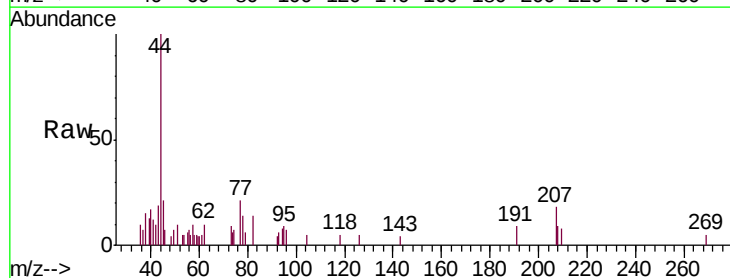
Acq: 08 Jul 2020 02:06

Tgt Ion: 74 Resp: 166

Ion Ratio Lower Upper

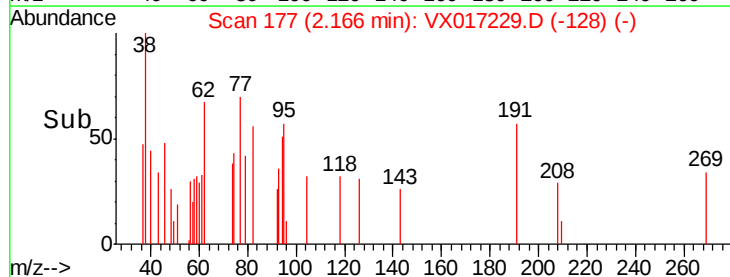
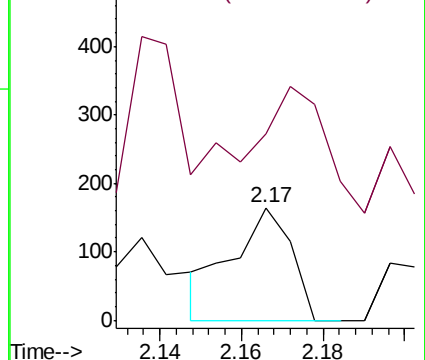
74 100

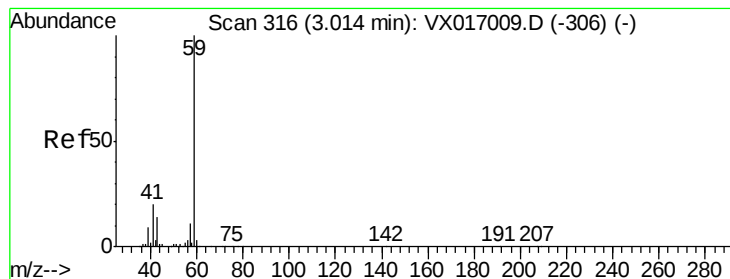
45 112.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#11

Tert butyl alcohol

Concen: 4.065 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

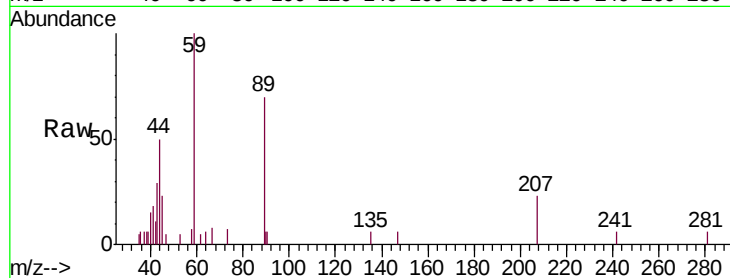
1013-FB070620

Tgt Ion: 59 Resp: 2317

Ion Ratio Lower Upper

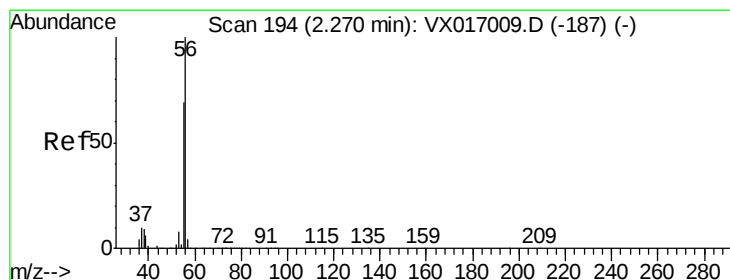
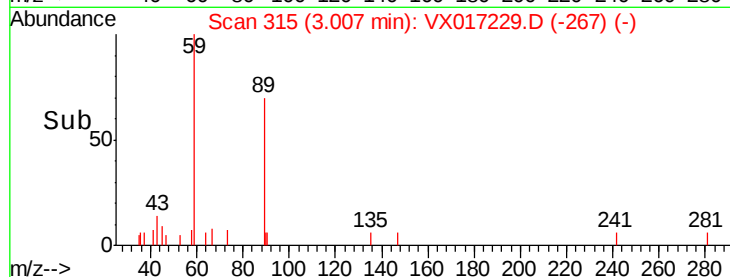
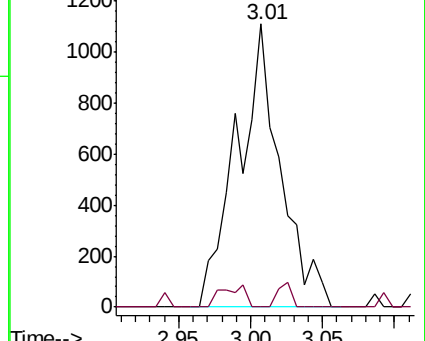
59 100

57 4.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.839 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017229.D

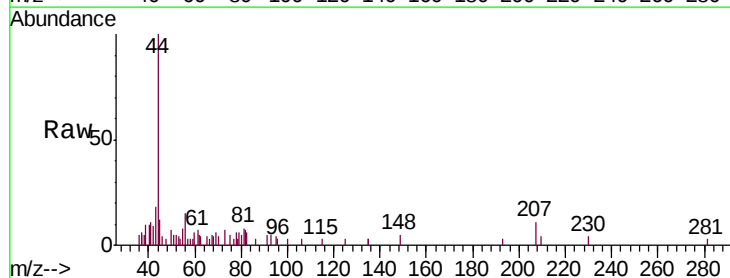
Acq: 08 Jul 2020 02:06

Tgt Ion: 56 Resp: 286

Ion Ratio Lower Upper

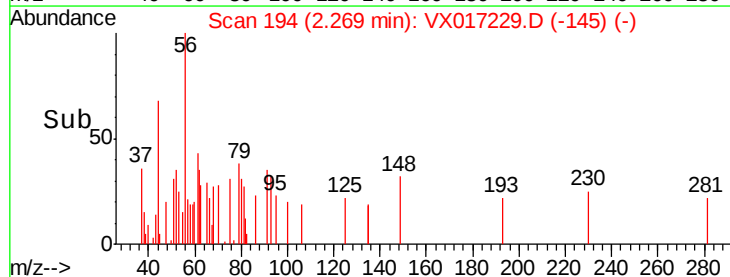
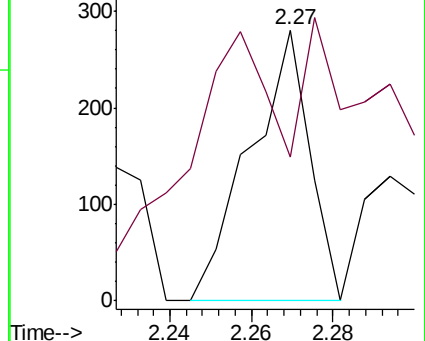
56 100

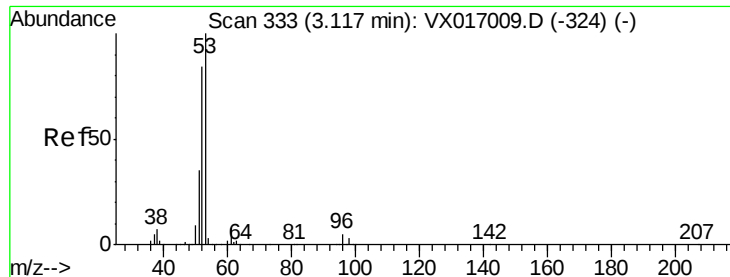
55 48.6 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.02 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

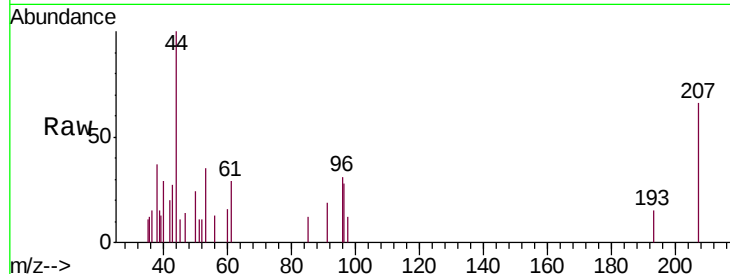
Tgt Ion: 53 Resp: 280

Ion Ratio Lower Upper

53 100

52 0.0 65.6 98.4#

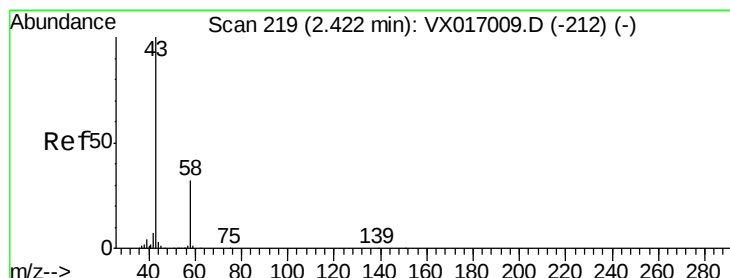
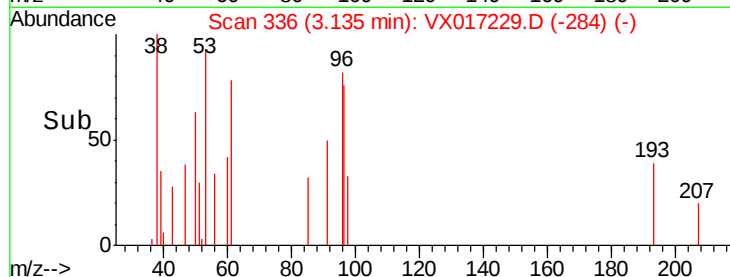
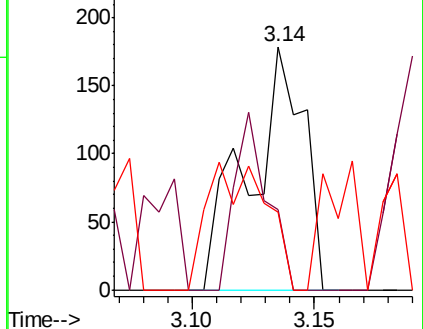
51 0.0 28.3 42.5#



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: 19.310 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017229.D

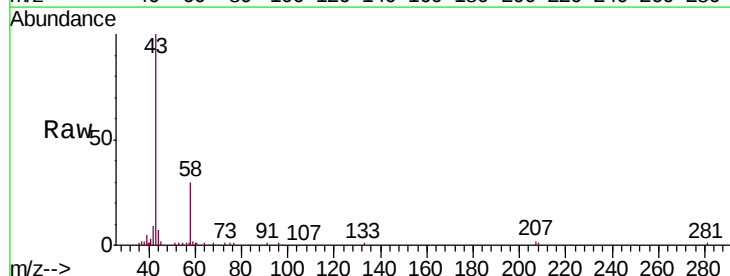
Acq: 08 Jul 2020 02:06

Tgt Ion: 43 Resp: 21583

Ion Ratio Lower Upper

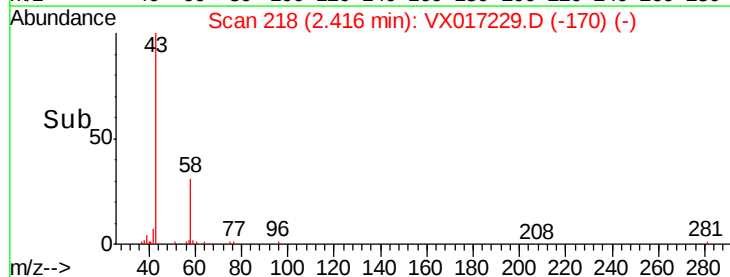
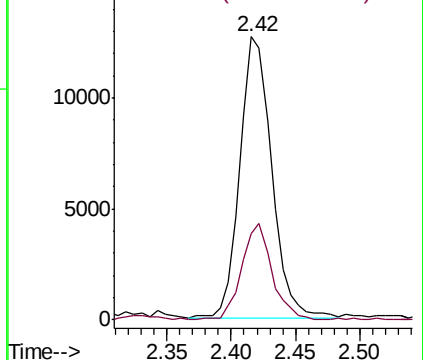
43 100

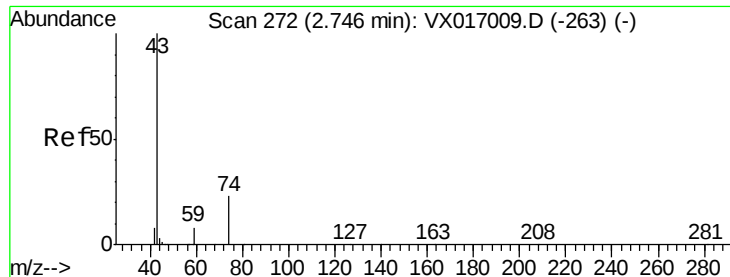
58 30.7 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

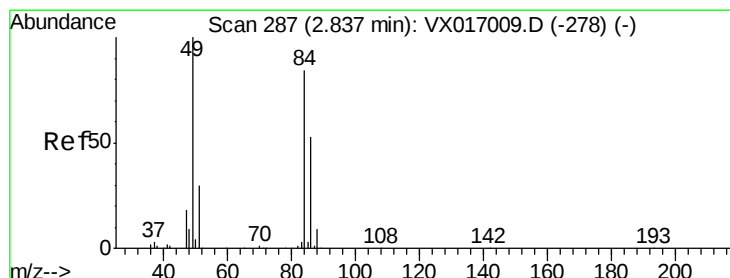
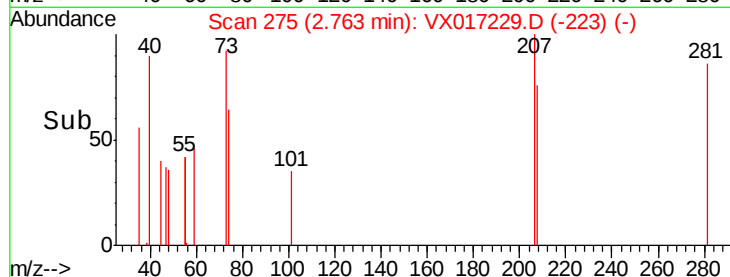
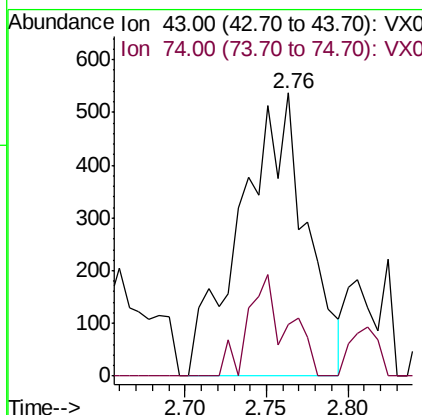
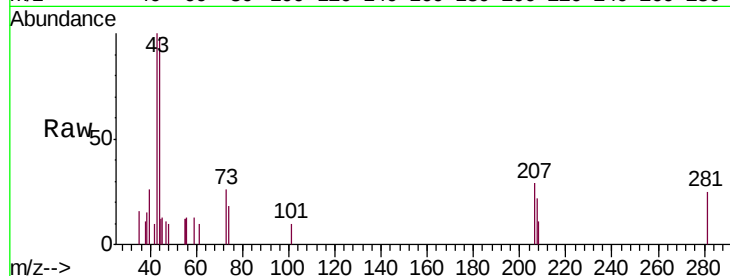




#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VX017229.D
Acq: 08 Jul 2020 02:06

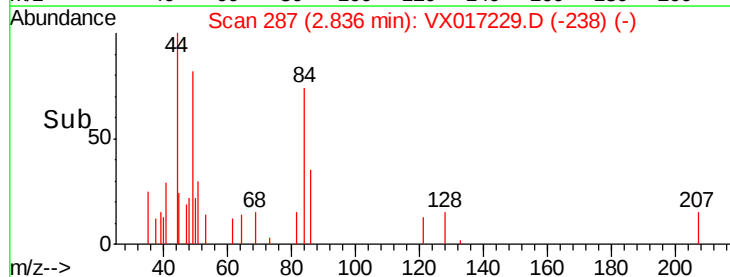
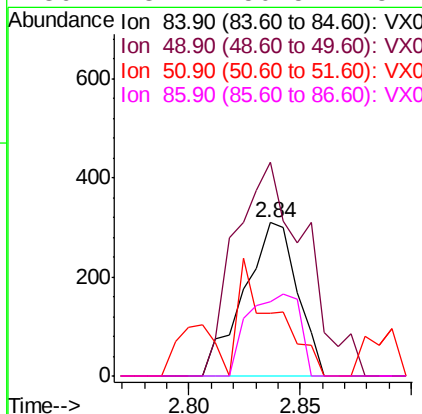
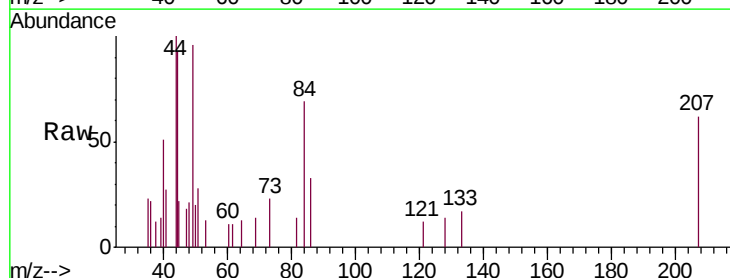
Instrument :
MSVOA_X
ClientSampled :
1013-FB070620

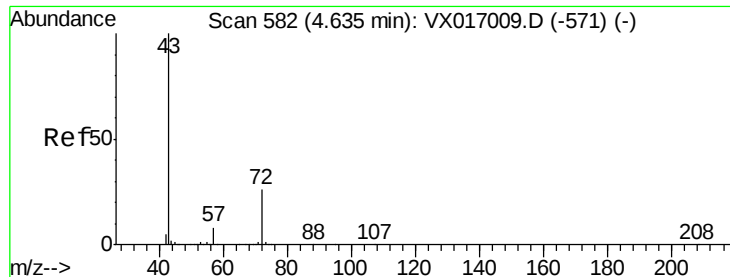
Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
74 21.8 19.3 28.9



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017229.D
Acq: 08 Jul 2020 02:06

Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
49 139.0 94.7 142.1
51 40.6 28.6 42.8
86 48.1 50.5 75.7#





#25

2-Butanone

Concen: 2.627 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

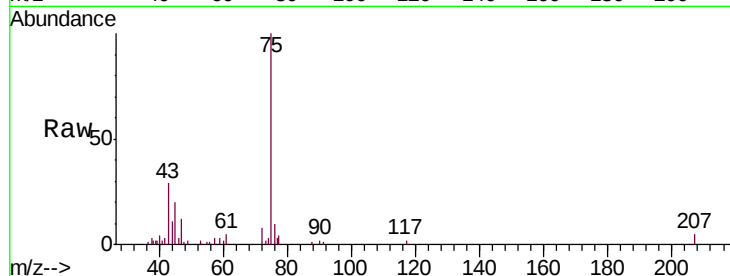
1013-FB070620

Tgt Ion: 43 Resp: 4892

Ion Ratio Lower Upper

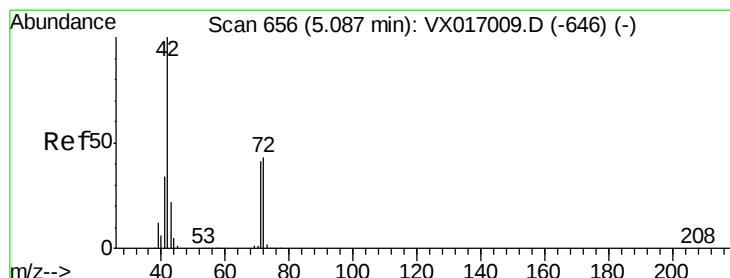
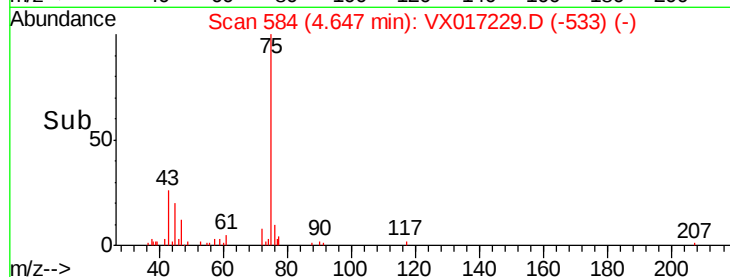
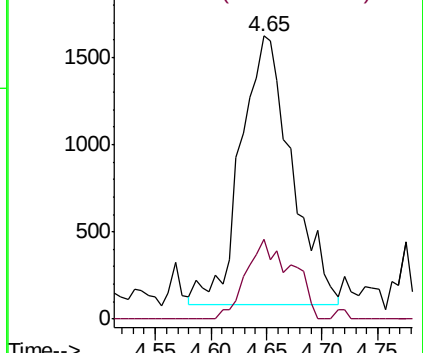
43 100

72 30.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.801 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

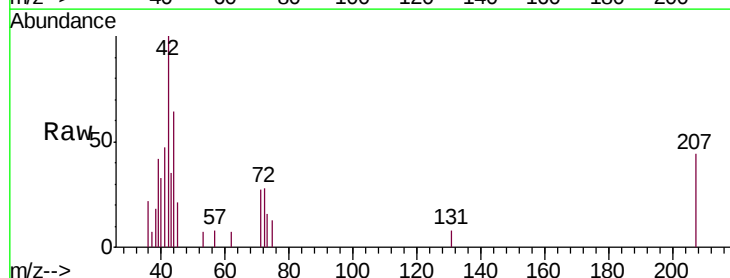
Tgt Ion: 42 Resp: 2216

Ion Ratio Lower Upper

42 100

72 9.2 35.3 52.9#

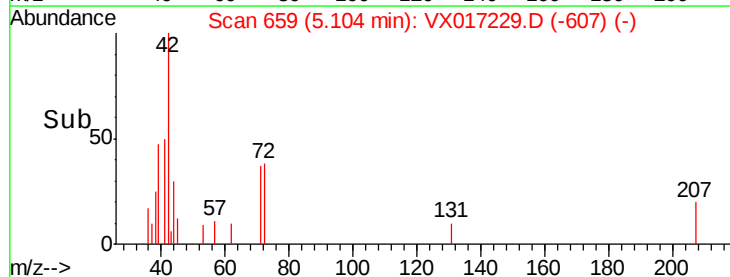
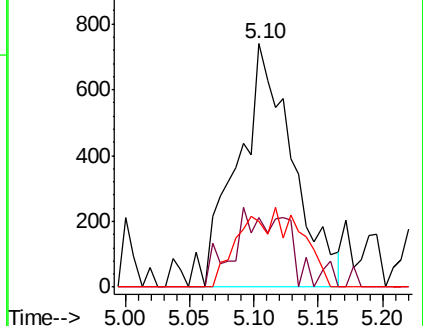
71 17.5 33.1 49.7#

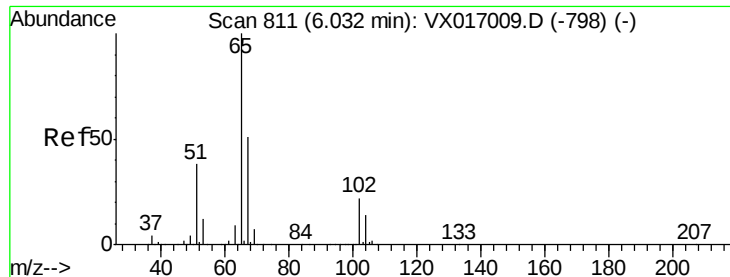


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.938 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

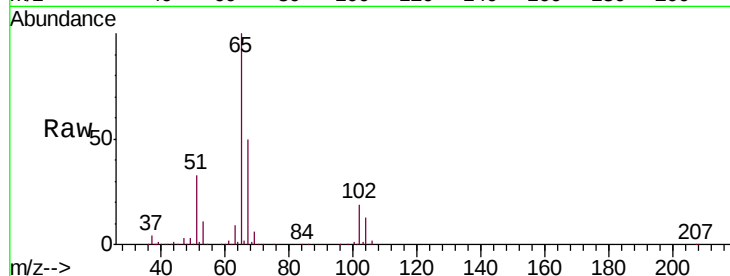
1013-FB070620

Tgt Ion: 65 Resp: 164143

Ion Ratio Lower Upper

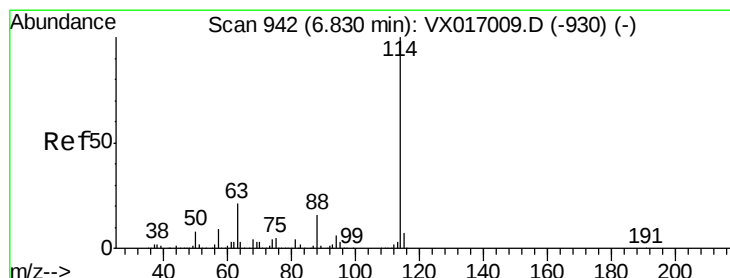
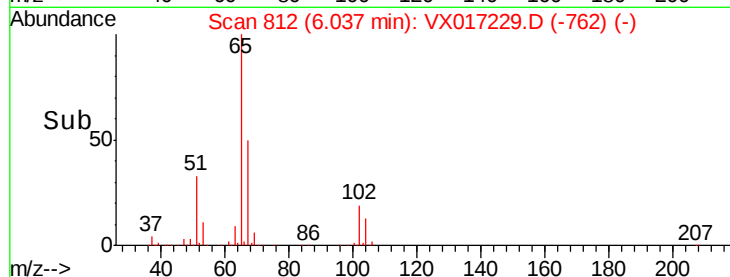
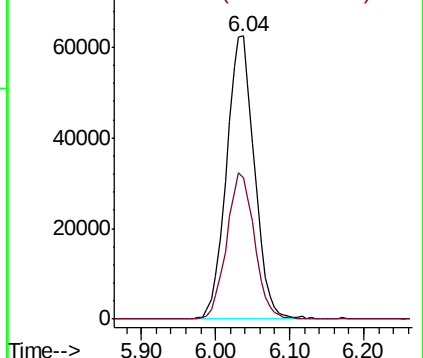
65 100

67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

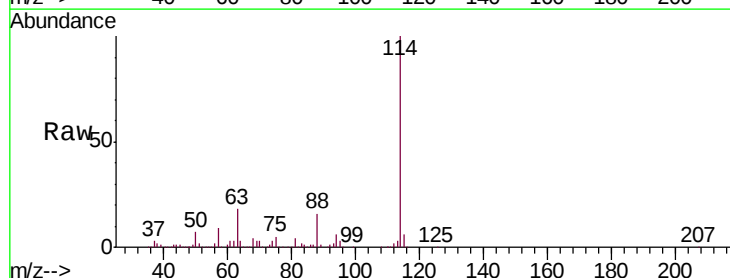
Tgt Ion: 114 Resp: 410015

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.4

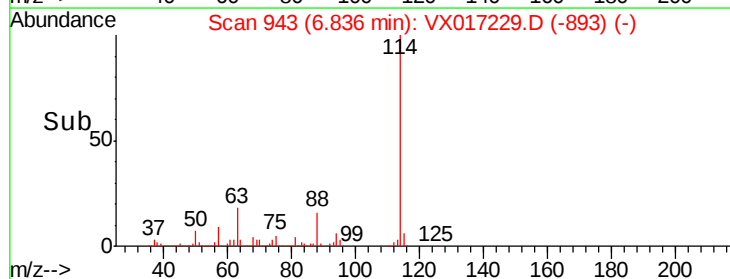
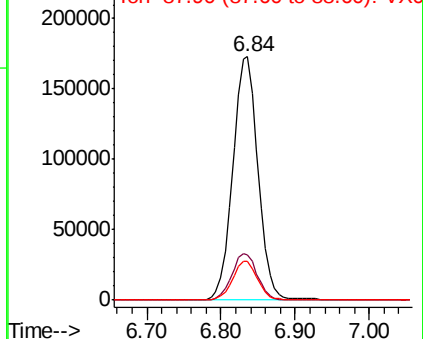
88 16.1 0.0 32.4

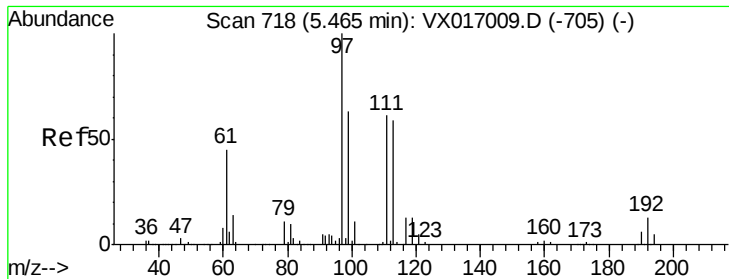


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

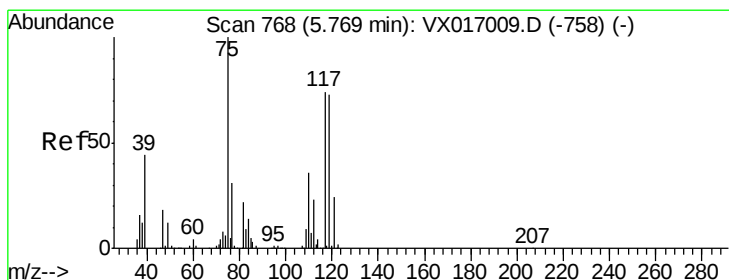
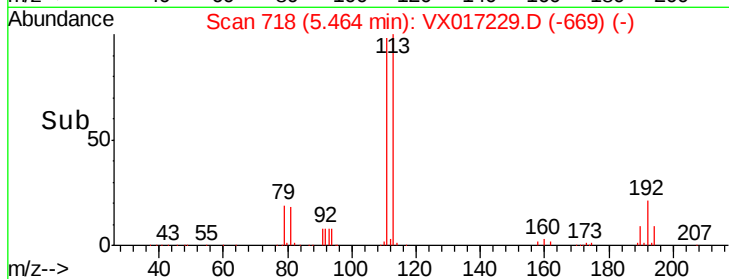
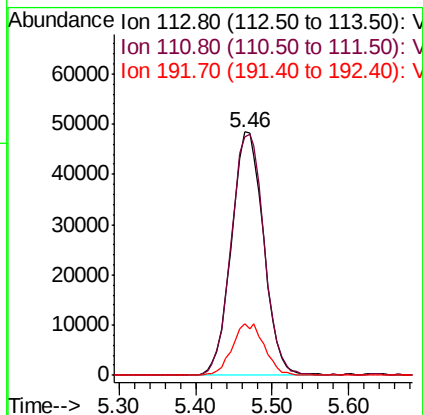
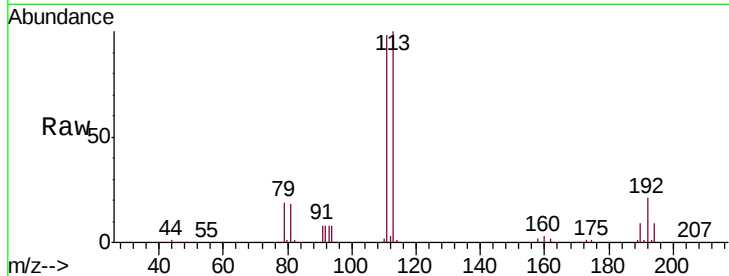




#35
 Dibromofluoromethane
 Concen: 54.450 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017229.D
 Acq: 08 Jul 2020 02:06

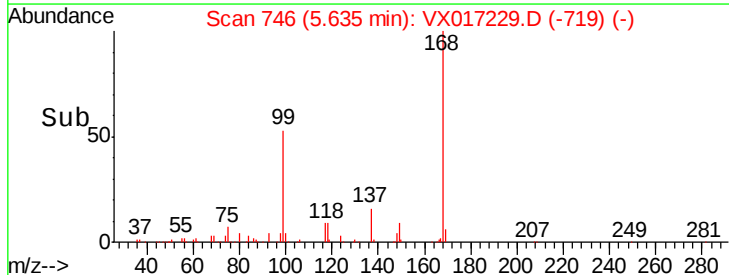
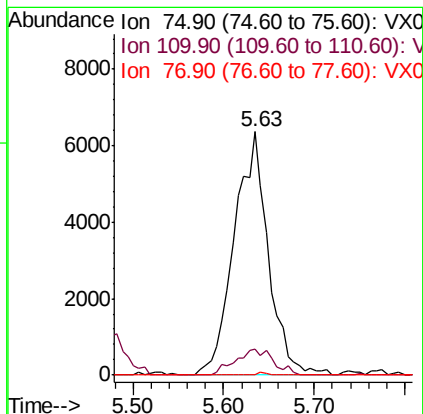
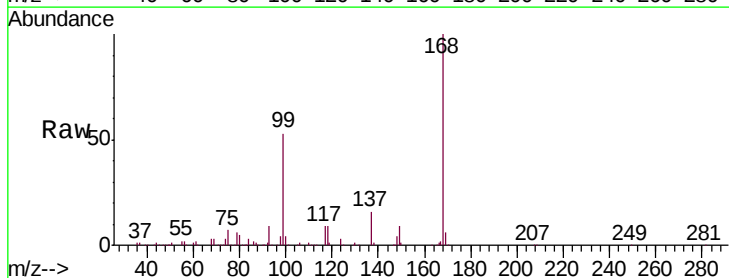
Instrument :
 MSVOA_X
 ClientSampleId :
 1013-FB070620

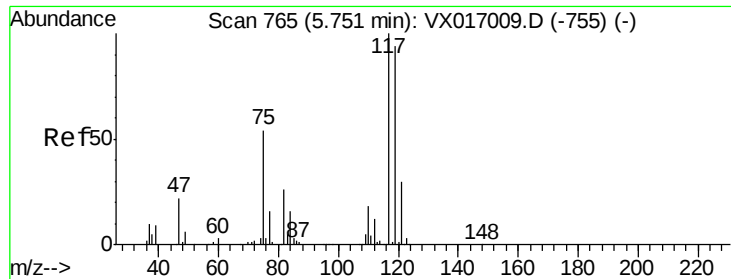
Tgt Ion:113 Resp: 141223
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.9 122.9
 192 21.3 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.291 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017229.D
 Acq: 08 Jul 2020 02:06

Tgt Ion: 75 Resp: 16630
 Ion Ratio Lower Upper
 75 100
 110 11.8 18.1 54.1#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.563 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

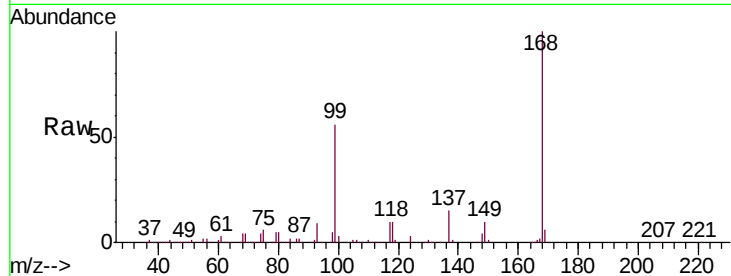
Tgt Ion:117 Resp: 23745

Ion Ratio Lower Upper

117 100

119 7.7 75.4 113.0#

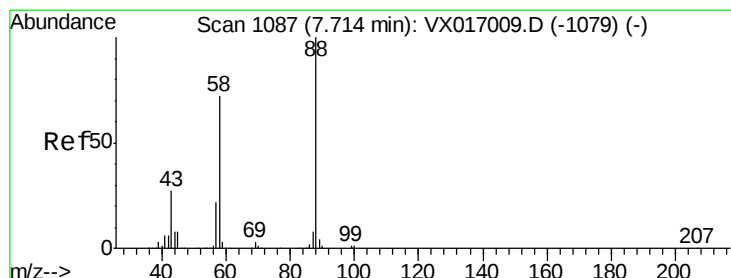
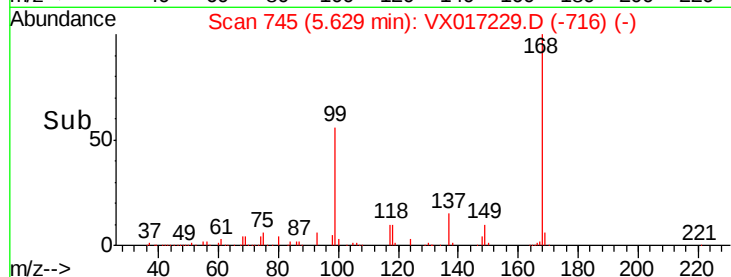
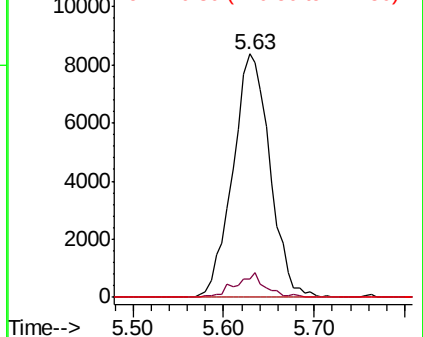
121 0.0 23.8 35.6#



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: 0.412 ug/l

RT: 7.94 min Scan# 1124

Delta R.T. 0.23 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

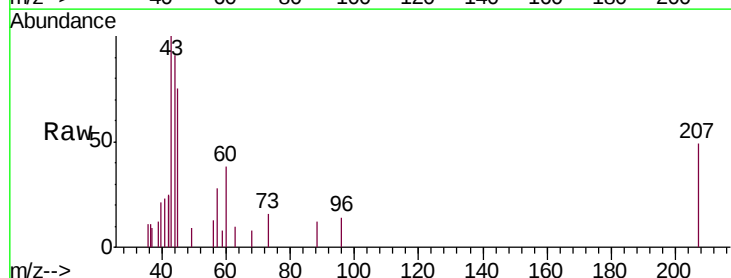
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 1741.4 25.8 38.8#

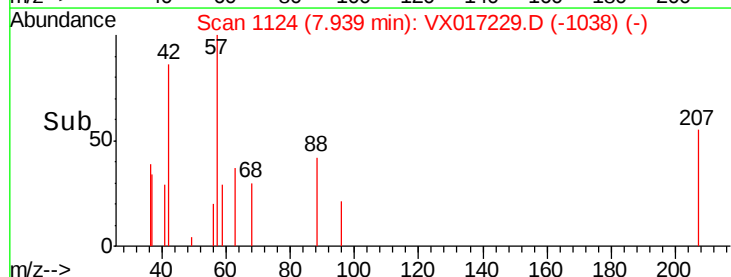
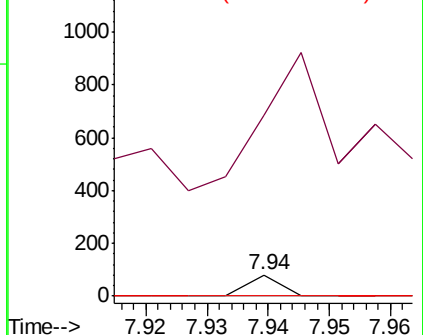
58 0.0 54.8 82.2#

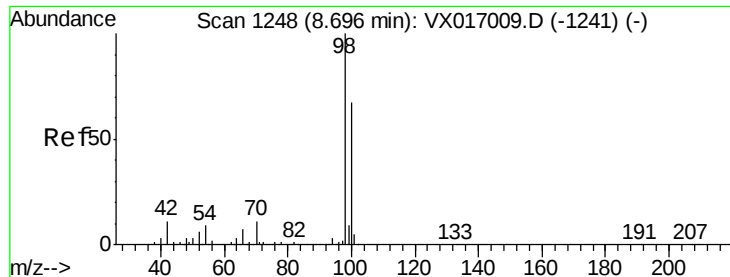


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

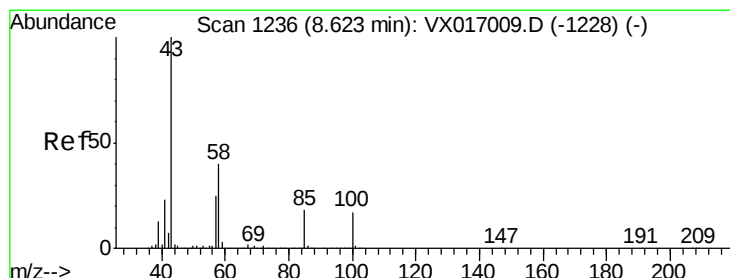
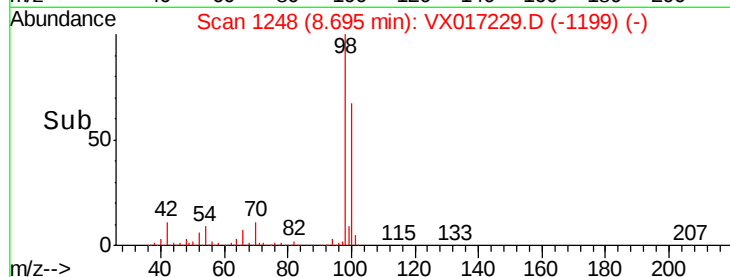
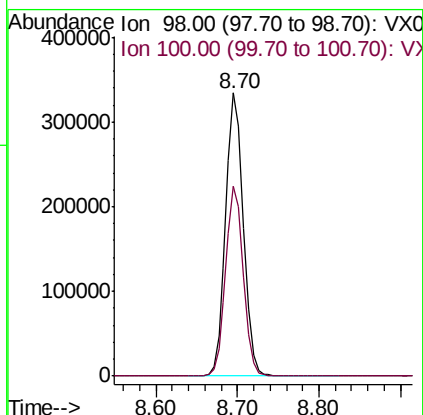
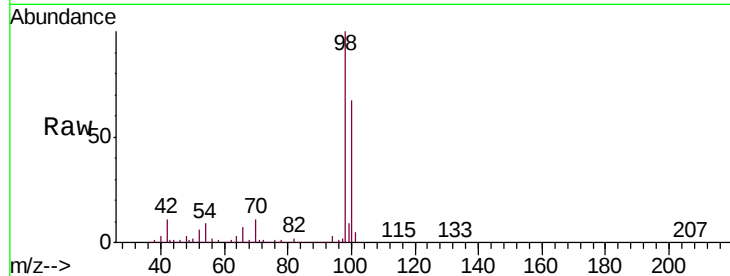




#50
Toluene-d8
Concen: 52.300 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017229.D
Acq: 08 Jul 2020 02:06

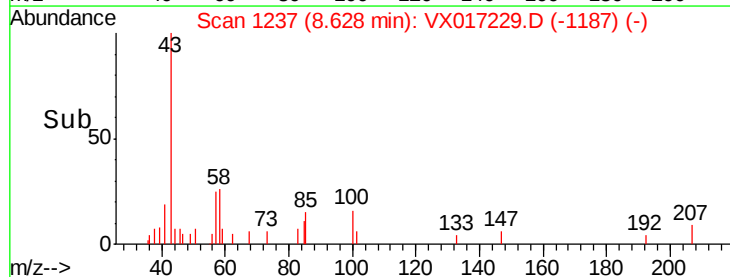
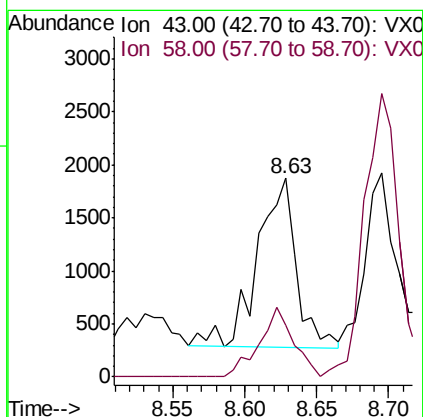
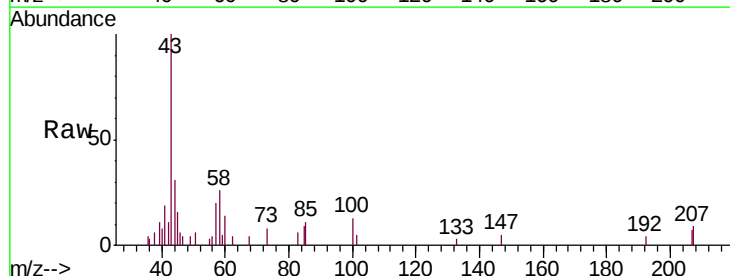
Instrument :
MSVOA_X
ClientSampleId :
1013-FB070620

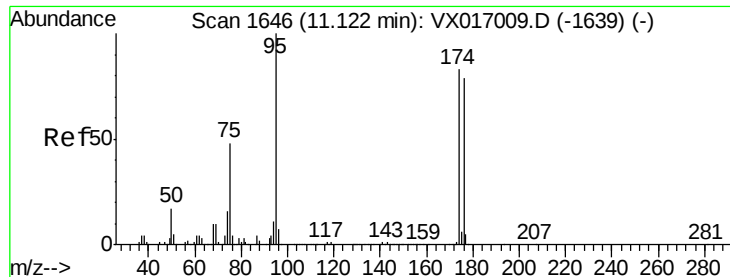
Tgt Ion: 98 Resp: 501594
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.772 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX017229.D
Acq: 08 Jul 2020 02:06

Tgt Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
58 35.8 31.9 47.9





#62

4-Bromofluorobenzene

Concen: 54.947 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

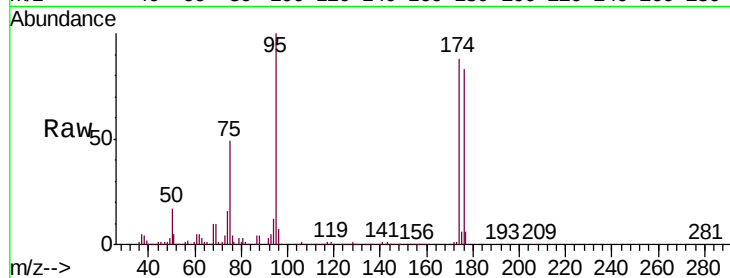
Tgt Ion: 95 Resp: 206005

Ion Ratio Lower Upper

95 100

174 85.7 0.0 164.0

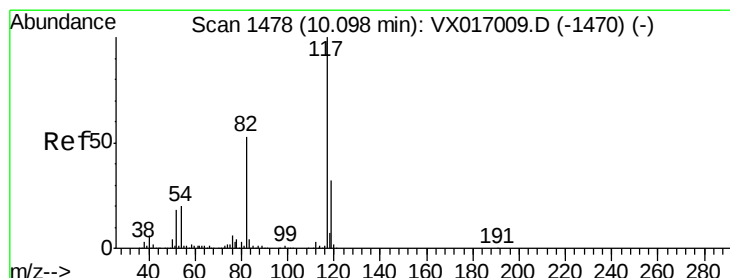
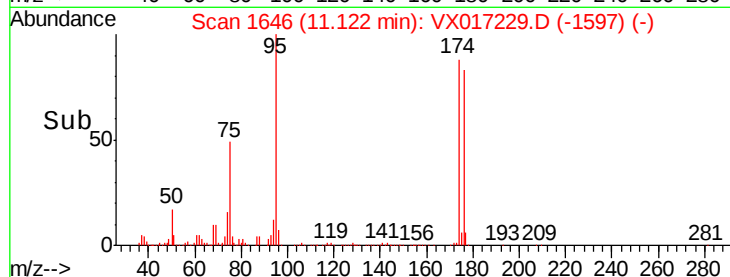
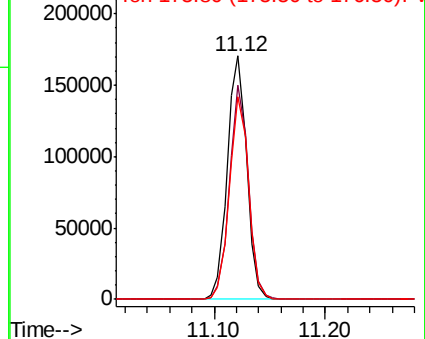
176 82.6 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

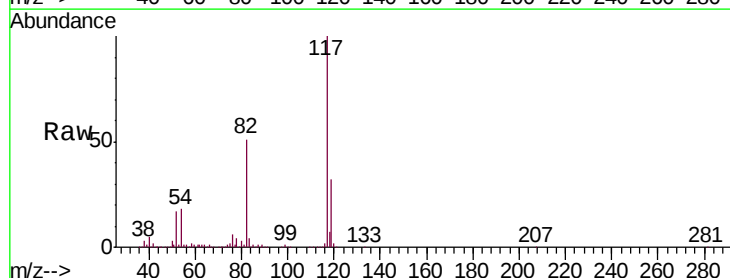
Tgt Ion: 117 Resp: 428331

Ion Ratio Lower Upper

117 100

82 51.5 42.6 63.8

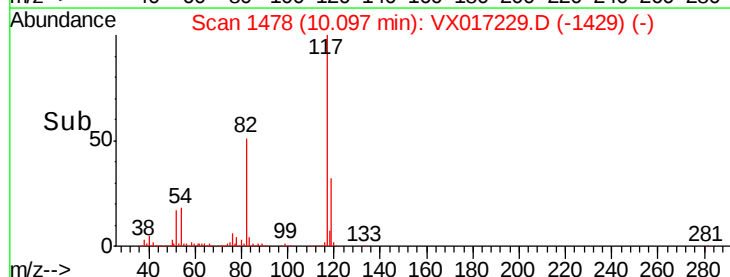
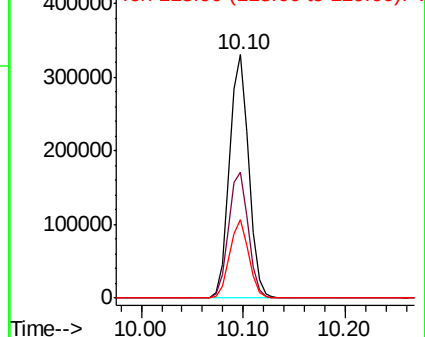
119 32.5 25.4 38.2

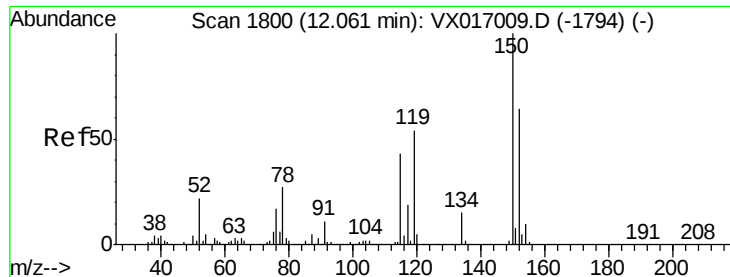


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

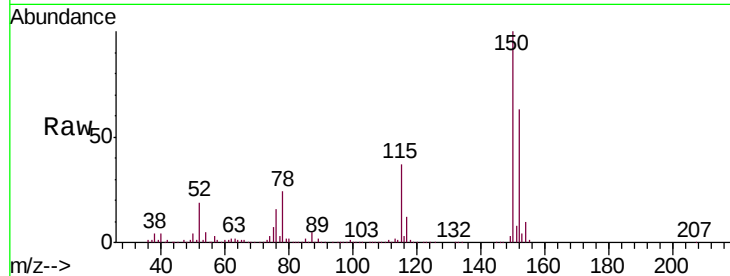
Tgt Ion:152 Resp: 228119

Ion Ratio Lower Upper

152 100

115 58.0 40.9 122.7

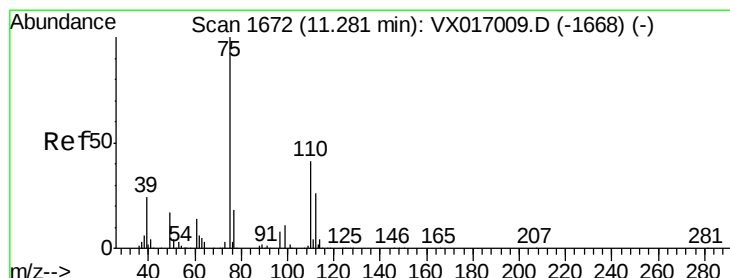
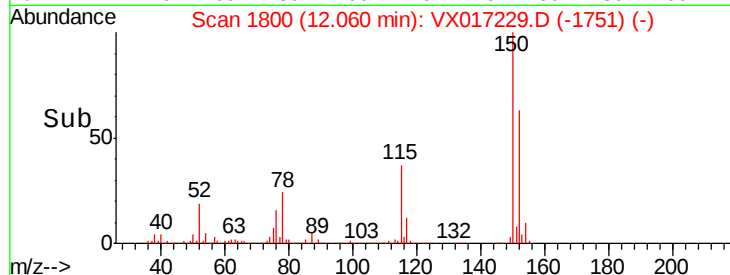
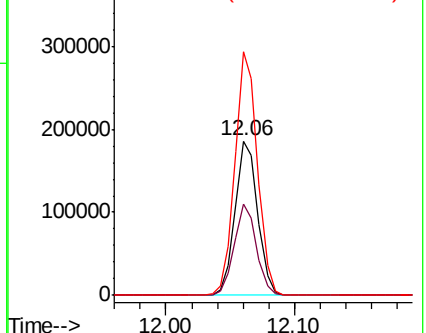
150 156.7 0.0 351.6



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



#76

1,2,3-Trichloropropane

Concen: 22.501 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017229.D

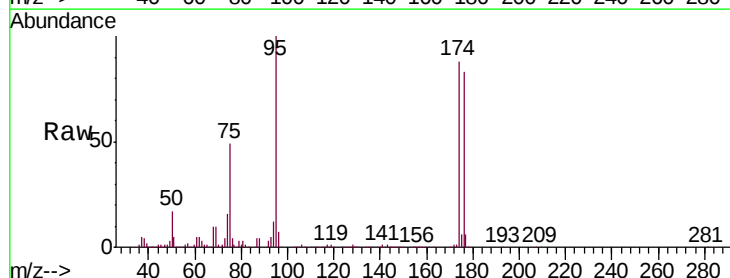
Acq: 08 Jul 2020 02:06

Tgt Ion: 75 Resp: 100936

Ion Ratio Lower Upper

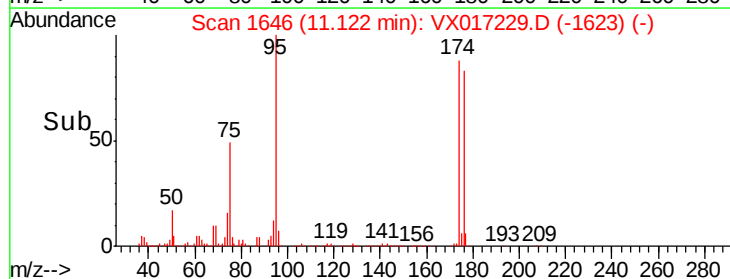
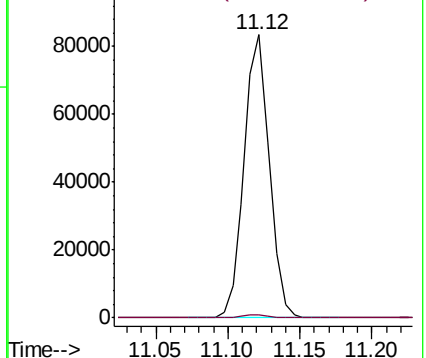
75 100

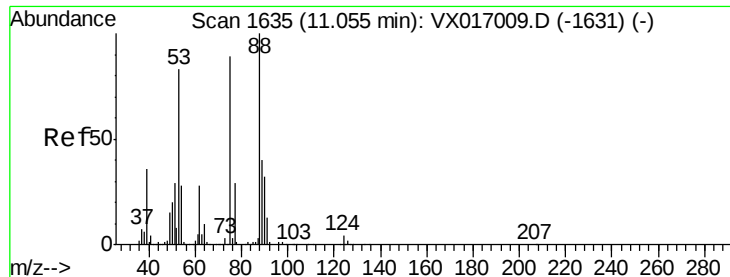
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.270 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

Instrument :

MSVOA_X

ClientSampleId :

1013-FB070620

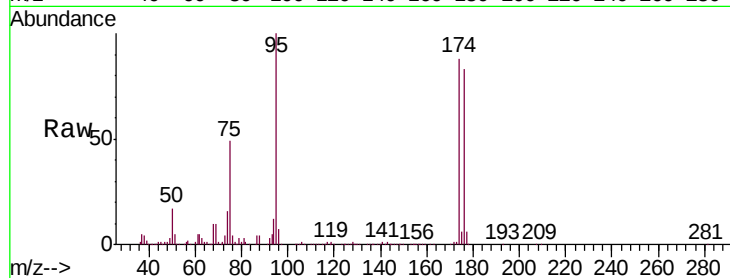
Tgt Ion: 75 Resp: 100936

Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

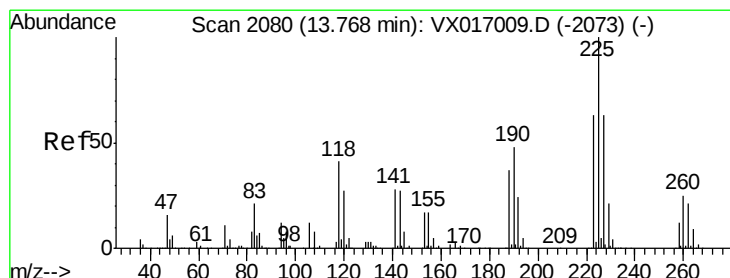
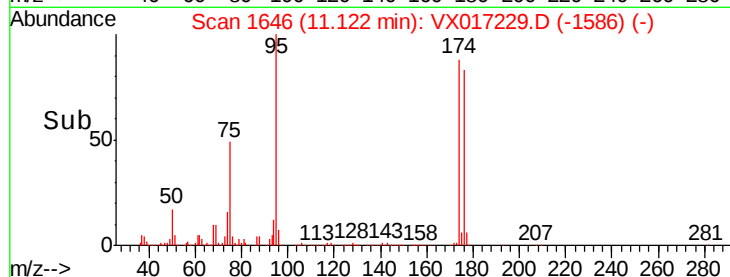
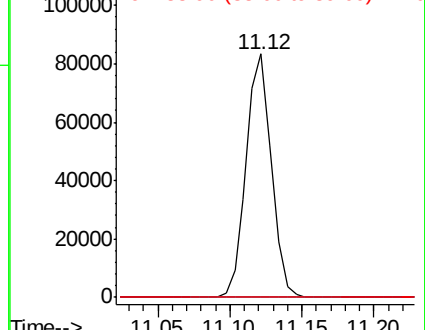
89 0.0 37.0 55.4#



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



#94

Hexachlorobutadiene

Concen: 0.889 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017229.D

Acq: 08 Jul 2020 02:06

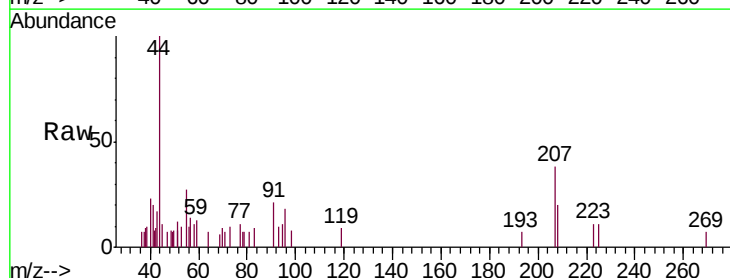
Tgt Ion: 225 Resp: 82

Ion Ratio Lower Upper

225 100

223 61.0 32.5 97.5

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

