

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017092.D
 Acq On : 01 Jul 2020 12:58
 Operator : JC/SP
 Sample : L3129-02 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1445

Quant Time: Jul 02 01:35:10 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	5.64	168	219625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	373962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	385331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201624	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	146201	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.00%	
35) Dibromofluoromethane	5.46	113	126241	53.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.74%	
50) Toluene-d8	8.70	98	456994	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.12	95	189484	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	

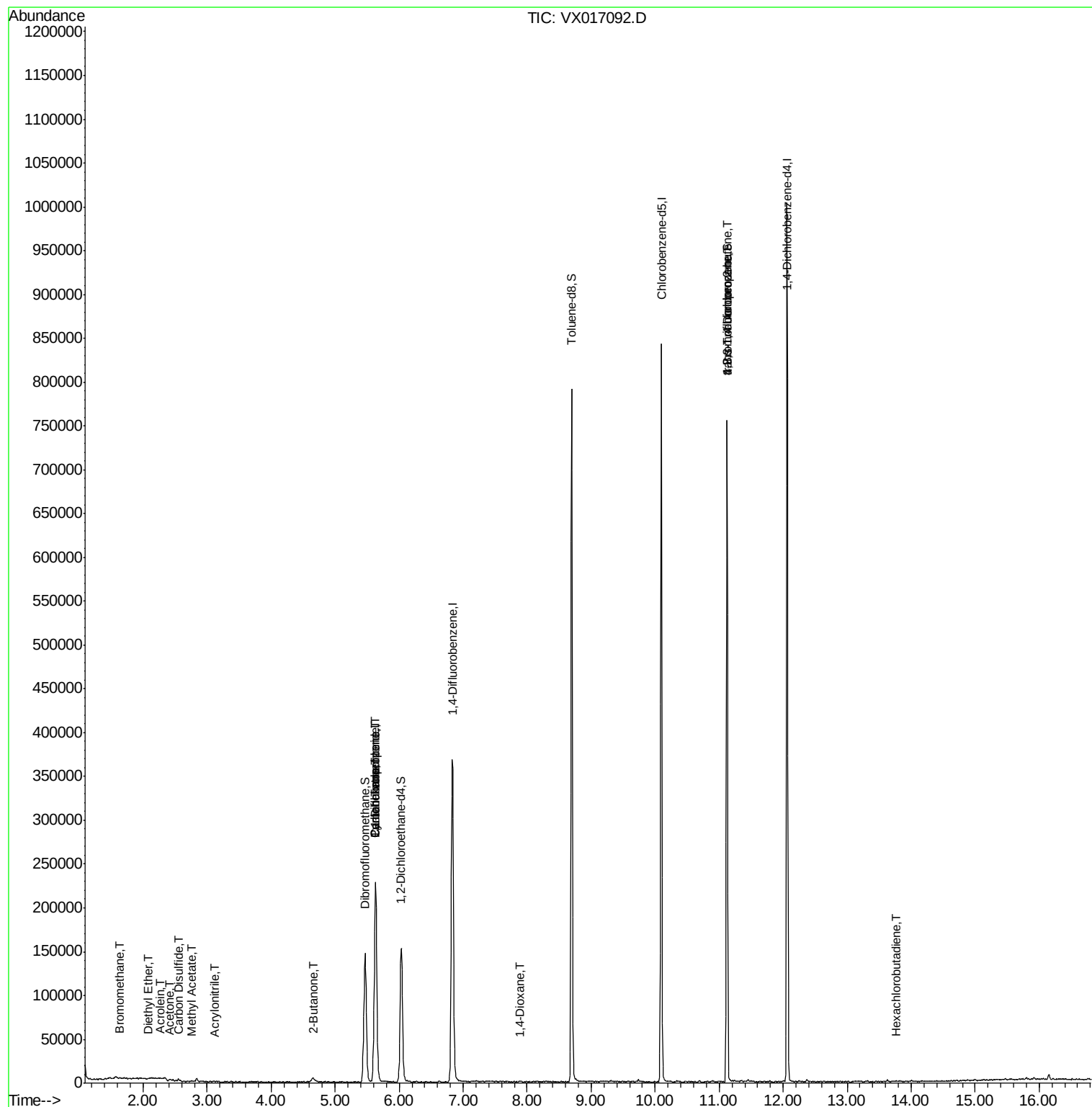
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	389	0.309	ug/l #	64
8) Diethyl Ether	2.07	74	85	0.437	ug/l	59
13) Acrolein	2.26	56	182	0.589	ug/l #	15
15) Acrylonitrile	3.12	53	268	0.216	ug/l #	64
16) Acetone	2.42	43	1934	1.909	ug/l #	76
17) Carbon Disulfide	2.56	76	2977	0.514	ug/l #	84
18) Methyl Acetate	2.75	43	642	0.243	ug/l #	65
20) Methylene Chloride	2.84	84	1774	Below Cal	#	83
25) 2-Butanone	4.65	43	502	0.297	ug/l #	49
31) Cyclohexane	5.63	56	4427	1.211	ug/l #	6
36) 1,1-Dichloropropene	5.63	75	16851	4.768	ug/l #	50
38) Carbon Tetrachloride	5.64	117	21486	5.519	ug/l #	17
44) Trichloroethene	7.17	130	348	Below Cal		3
49) 1,4-Dioxane	7.87	88	25	0.390	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	94395	23.808	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	94395	61.655	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	416	Below Cal		88
94) Hexachlorobutadiene	13.76	225	26	0.860	ug/l #	1

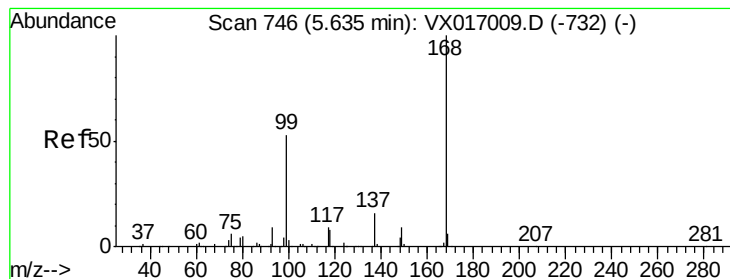
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
1445

Quant Time: Jul 02 01:35:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

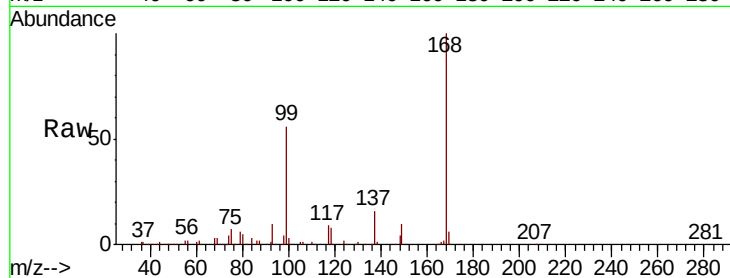
1445

Tot Ion:168 Resp: 219625

Ion Ratio Lower Upper

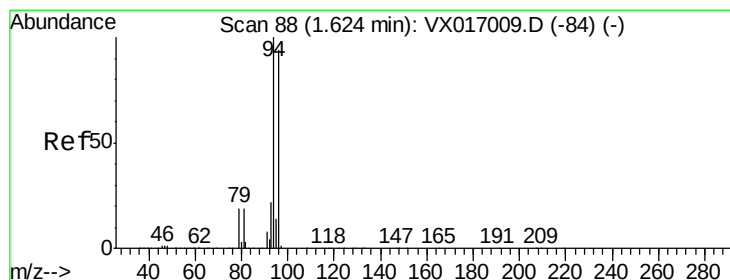
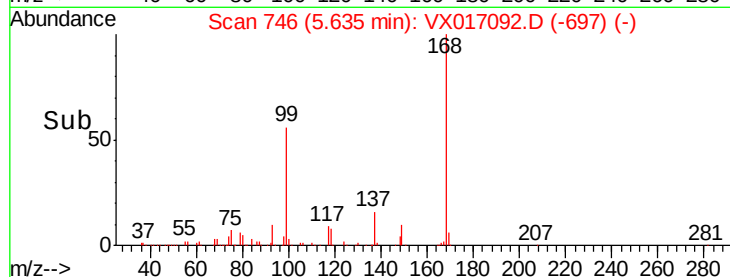
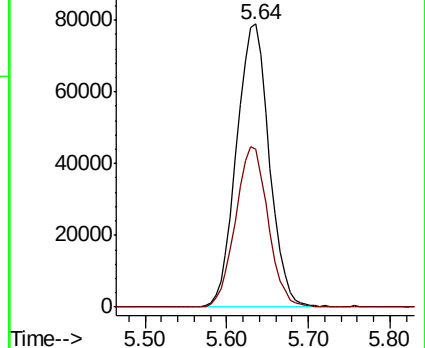
168 100

99 55.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.309 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017092.D

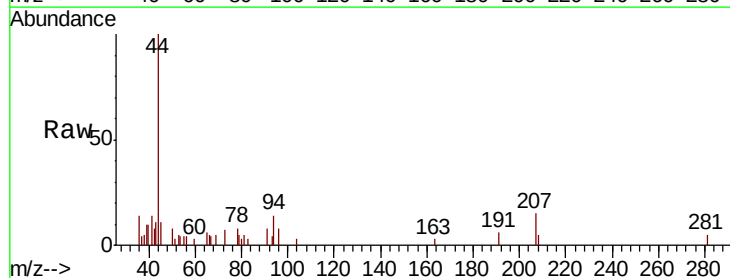
Acq: 01 Jul 2020 12:58

Tgt Ion: 94 Resp: 389

Ion Ratio Lower Upper

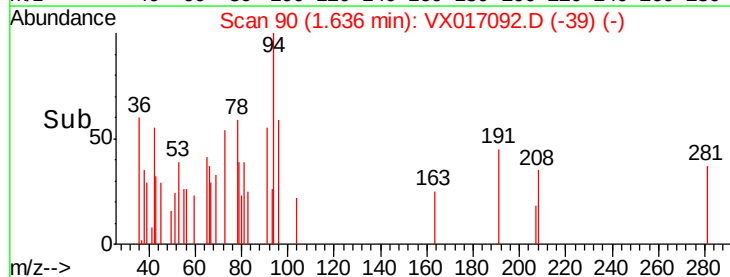
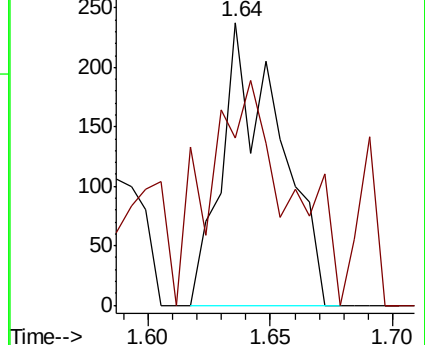
94 100

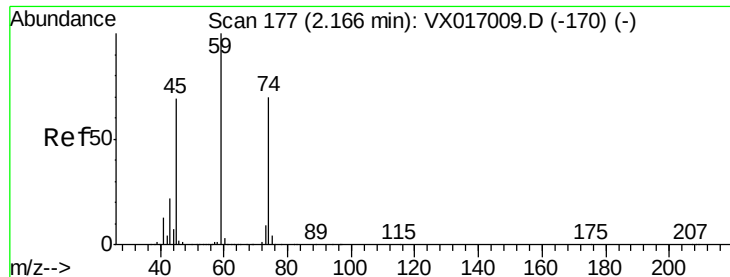
96 59.2 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.437 ug/l

RT: 2.07 min Scan# 162

Delta R.T. -0.09 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

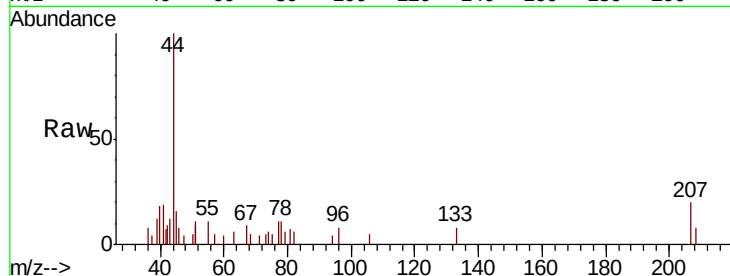
1445

Tot Ion: 74 Resp: 85

Ion Ratio Lower Upper

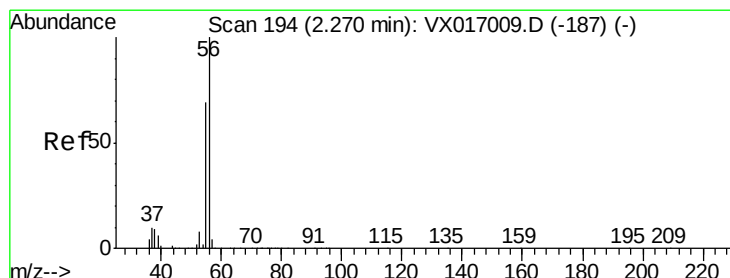
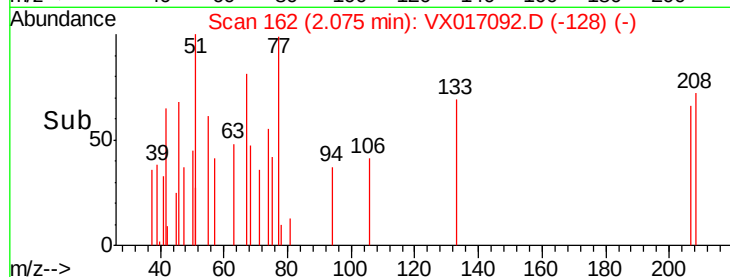
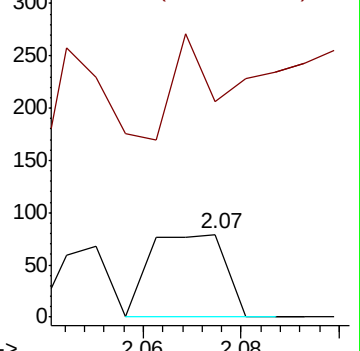
74 100

45 58.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#13

Acrolein

Concen: 0.589 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017092.D

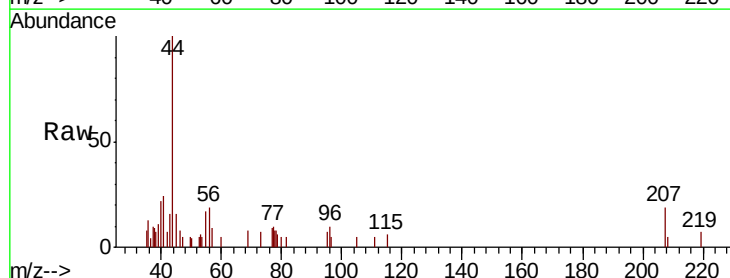
Acq: 01 Jul 2020 12:58

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

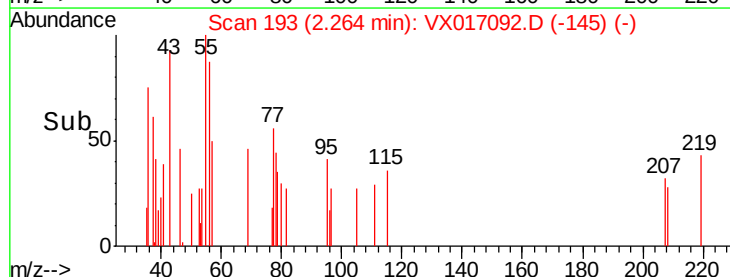
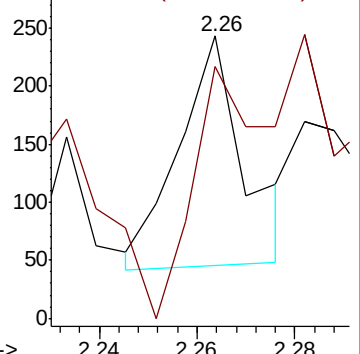
56 100

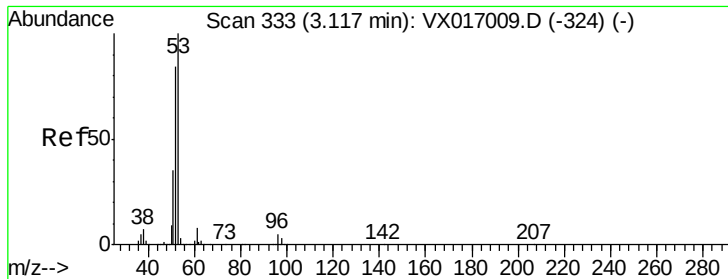
55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

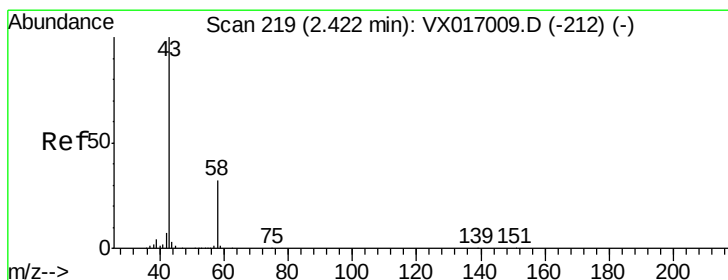
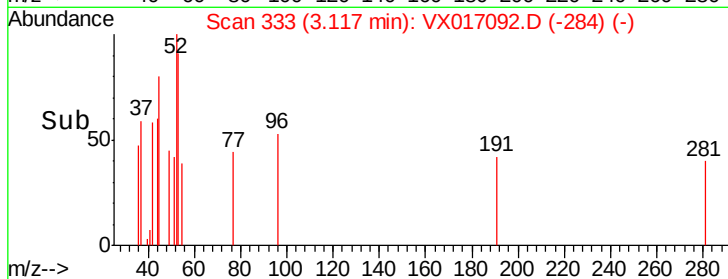
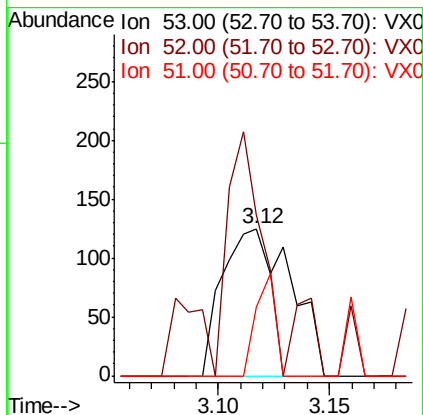
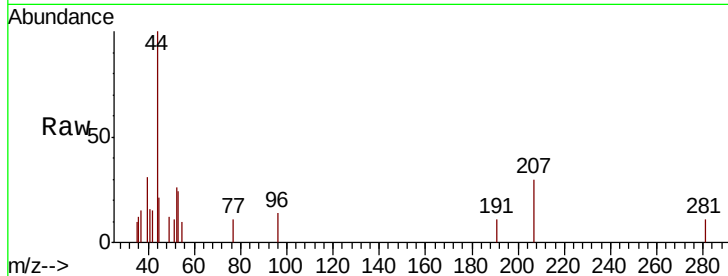




#15
 Acrylonitrile
 Concen: 0.216 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX017092.D
 Acq: 01 Jul 2020 12:58

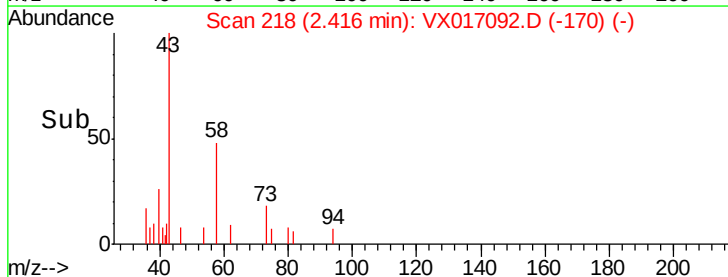
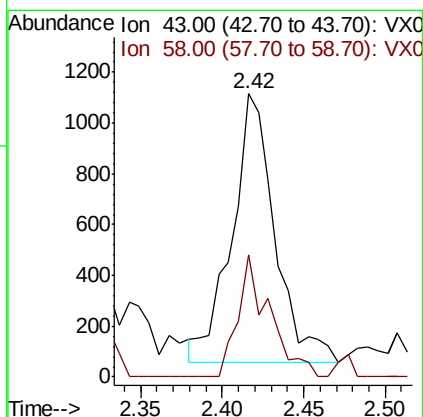
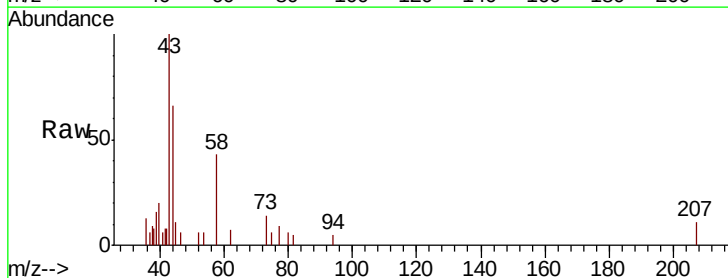
Instrument :
 MSVOA_X
 ClientSampled :
 1445

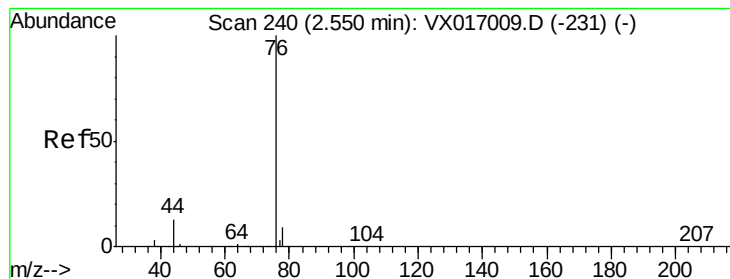
Tot Ion: 53 Resp: 268
 Ion Ratio Lower Upper
 53 100
 52 105.2 65.6 98.4#
 51 0.0 28.3 42.5#



#16
 Acetone
 Concen: 1.909 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017092.D
 Acq: 01 Jul 2020 12:58

Tgt Ion: 43 Resp: 1934
 Ion Ratio Lower Upper
 43 100
 58 45.4 25.7 38.5#





#17

Carbon Disulfide

Concen: 0.514 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

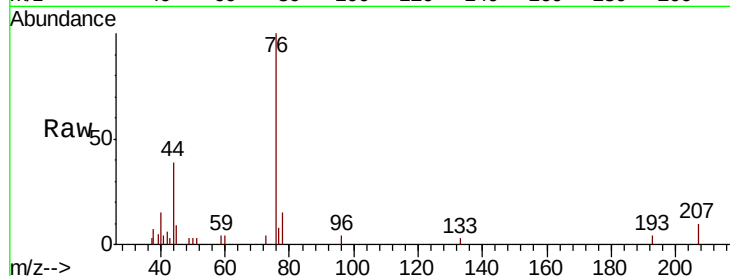
1445

Tot Ion: 76 Resp: 2977

Ion Ratio Lower Upper

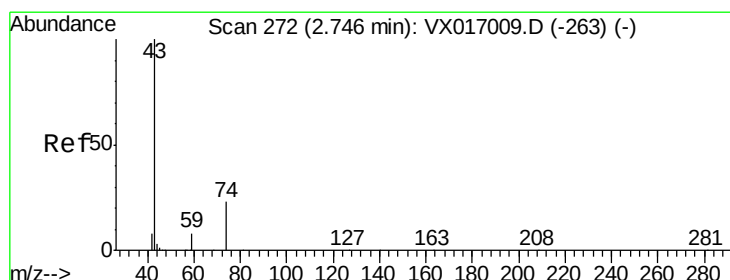
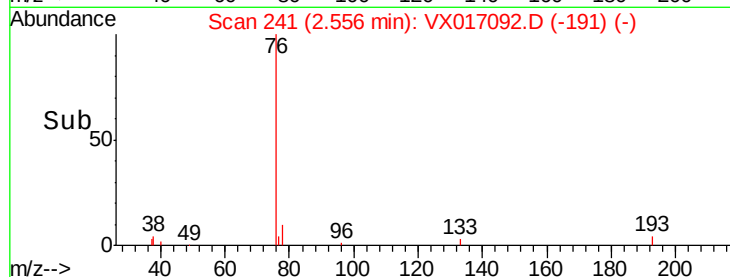
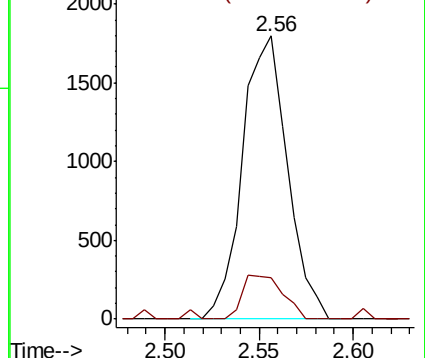
76 100

78 14.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017092.D

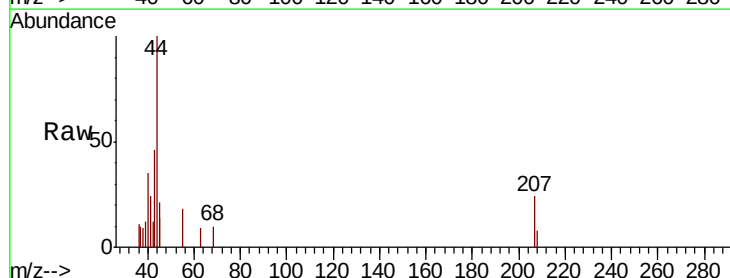
Acq: 01 Jul 2020 12:58

Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

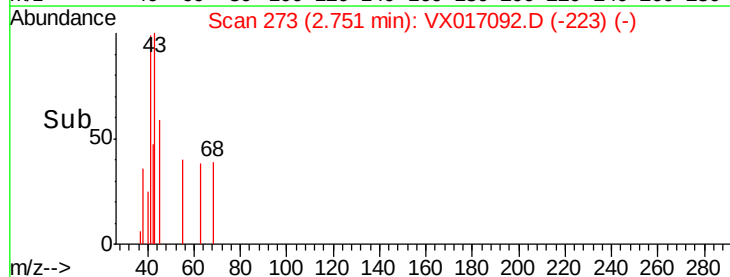
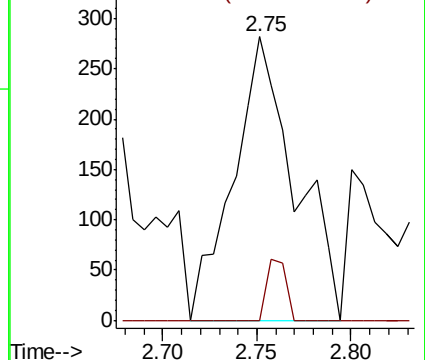
43 100

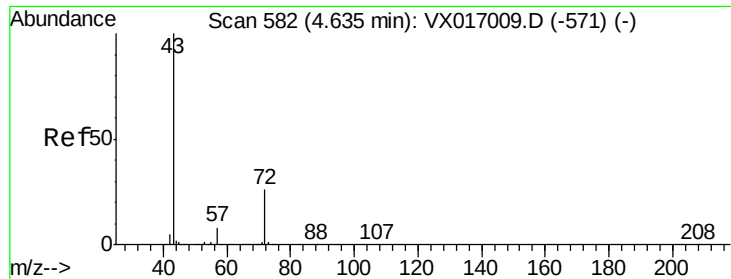
74 6.7 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

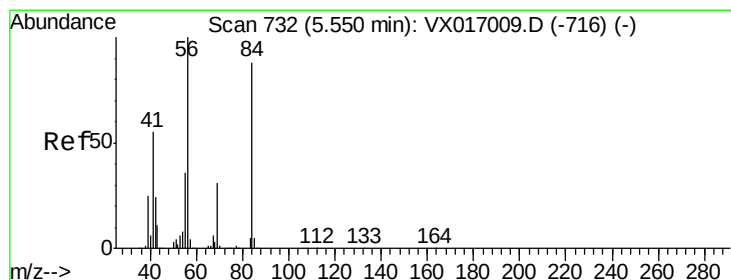
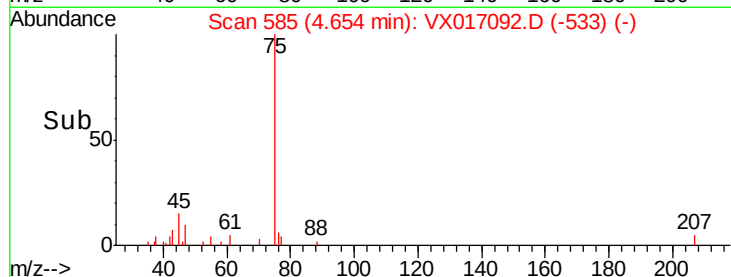
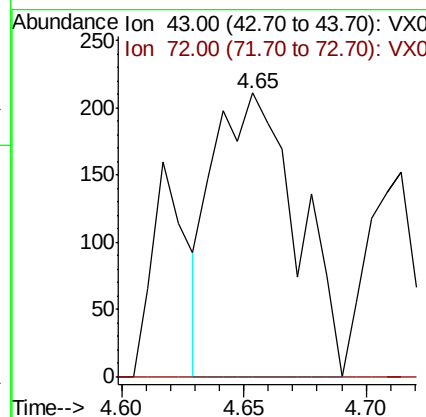
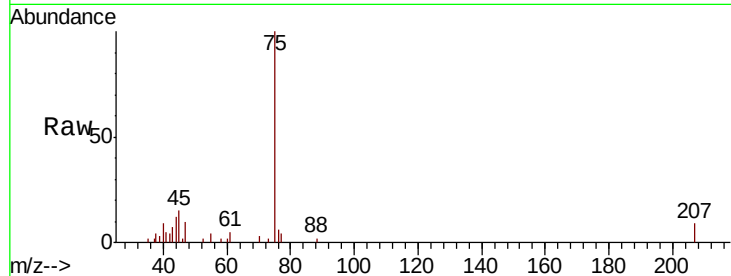




#25
2-Butanone
Concen: 0.297 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017092.D
Acq: 01 Jul 2020 12:58

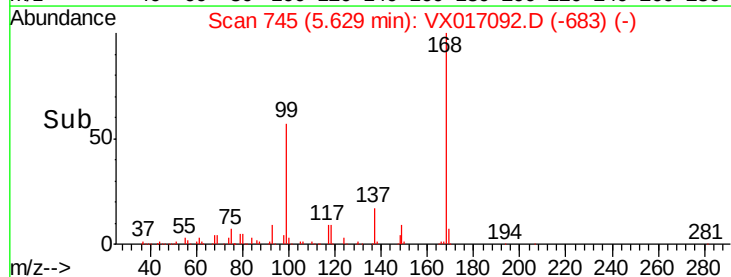
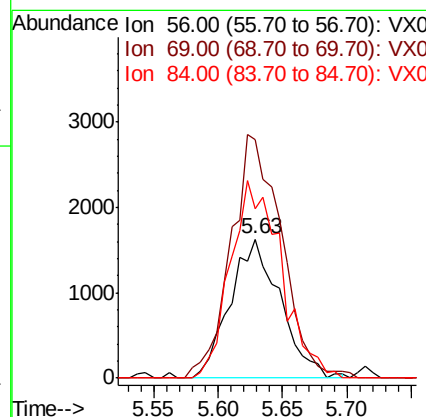
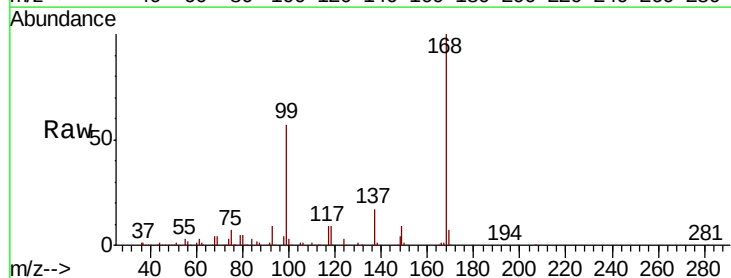
Instrument :
MSVOA_X
ClientSampled :
1445

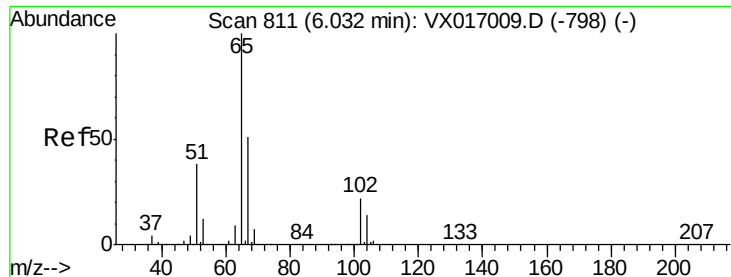
Tot Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017092.D
Acq: 01 Jul 2020 12:58

Tgt Ion: 56 Resp: 4427
Ion Ratio Lower Upper
56 100
69 167.5 25.0 37.4#
84 121.7 69.1 103.7#

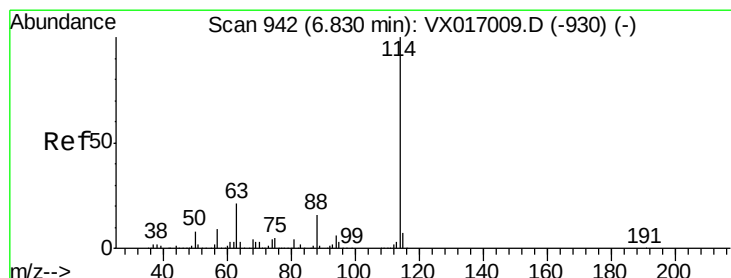
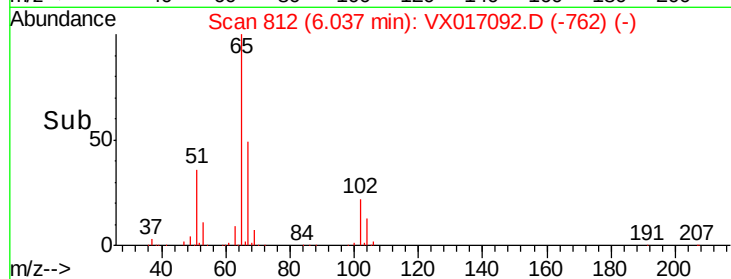
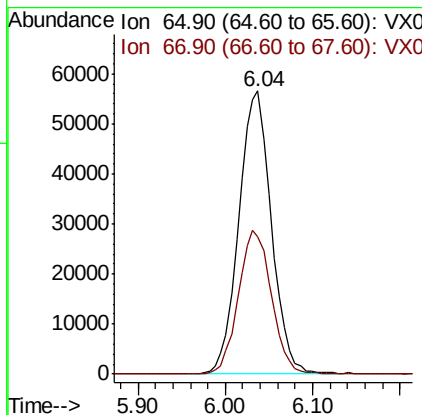
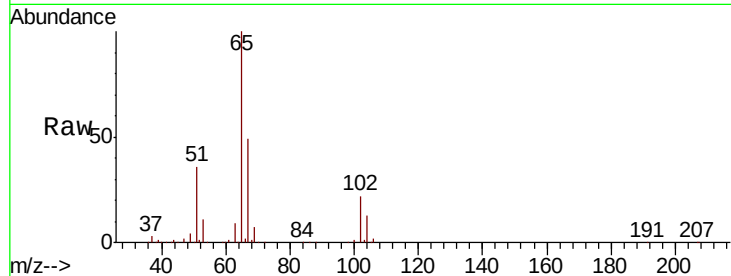




#33
 1,2-Dichloroethane-d4
 Concen: 53.998 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017092.D
 Acq: 01 Jul 2020 12:58

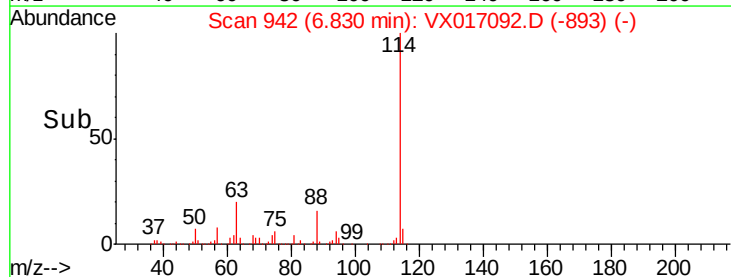
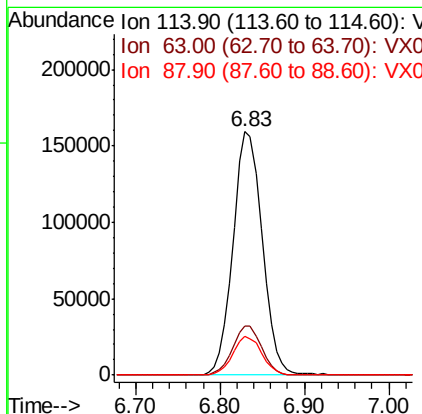
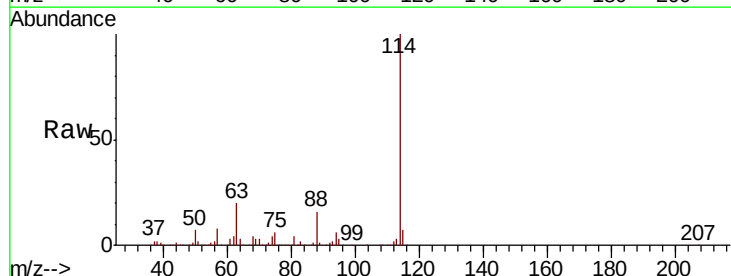
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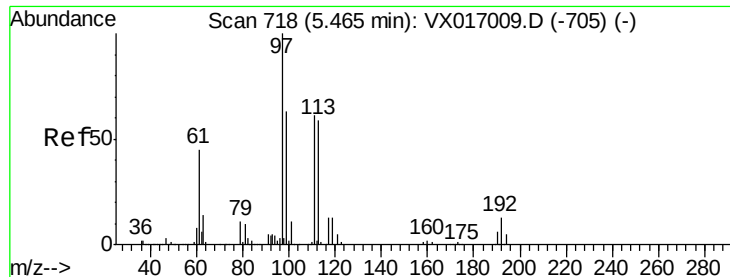
Tot Ion: 65 Resp: 146201
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017092.D
 Acq: 01 Jul 2020 12:58

Tgt Ion: 114 Resp: 373962
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.366 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

1445

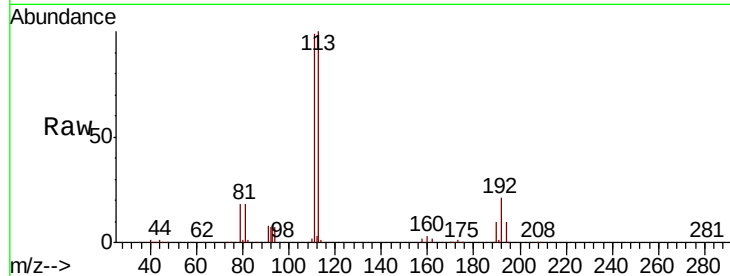
Tot Ion:113 Resp: 126241

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

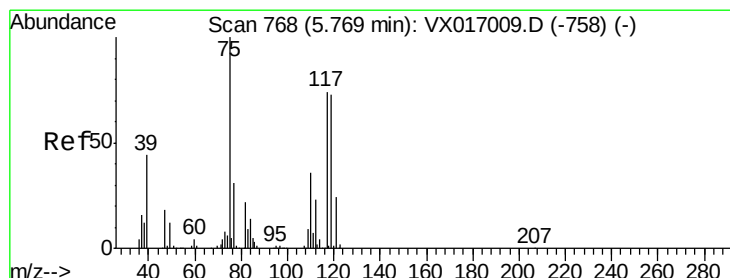
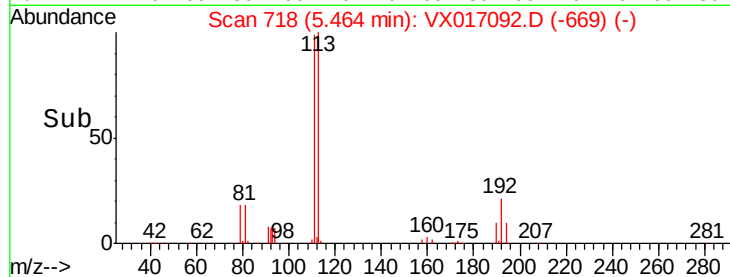
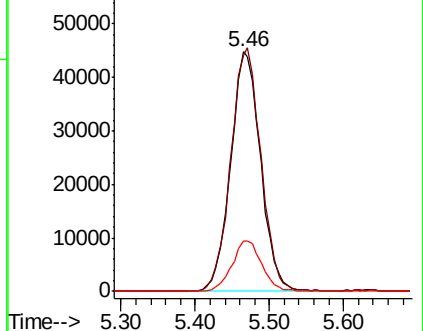
192 21.0 16.7 25.1



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: 4.768 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

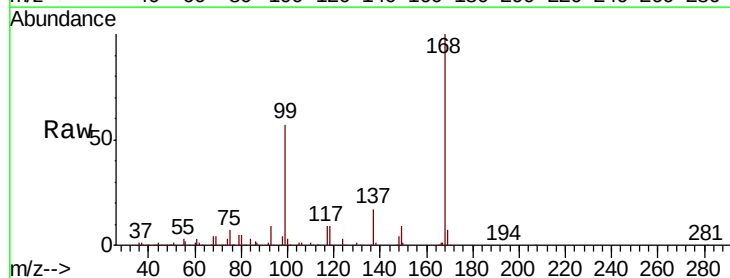
Tgt Ion: 75 Resp: 16851

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

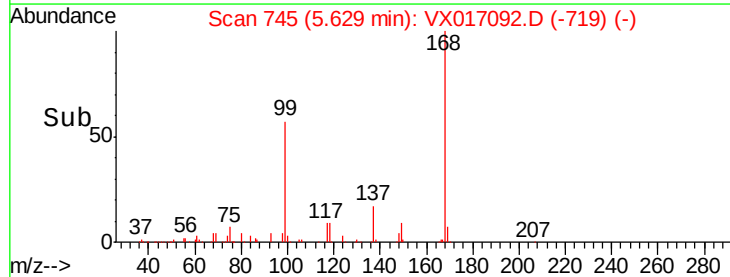
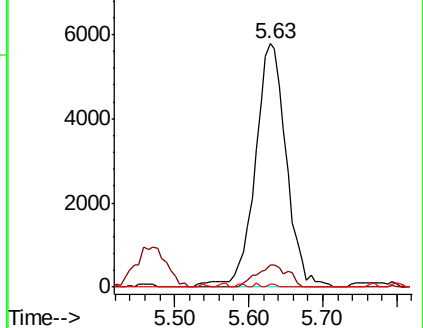
77 0.3 24.6 37.0#

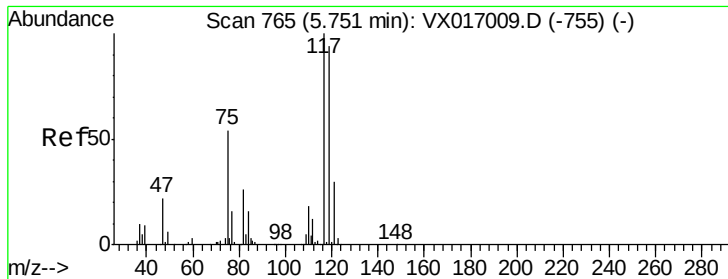


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

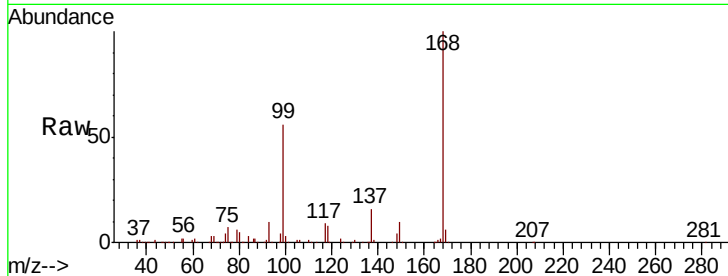




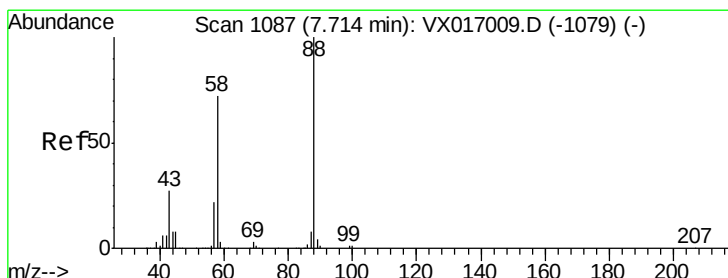
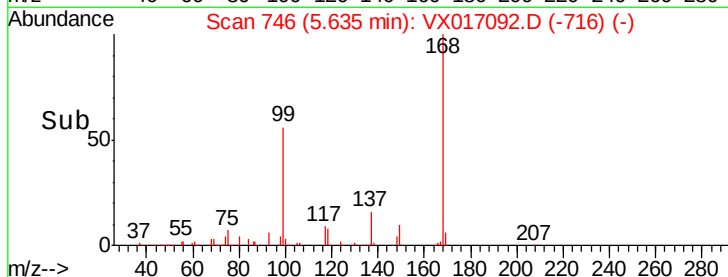
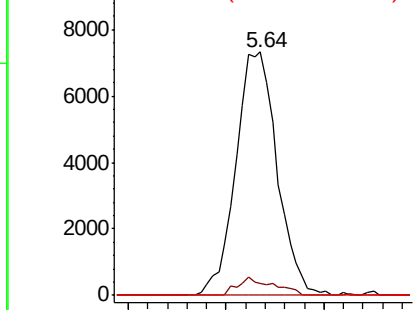
#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017092.D
Acq: 01 Jul 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
1445

Tot Ion:117 Resp: 21486
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 23.8 35.6#

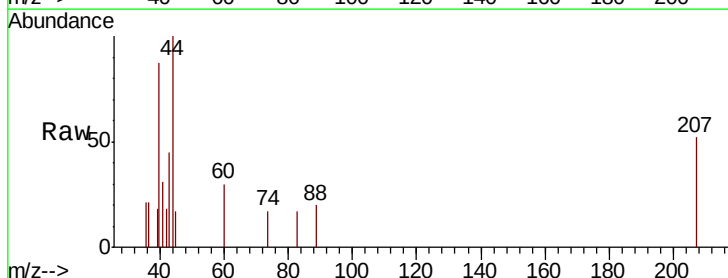


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

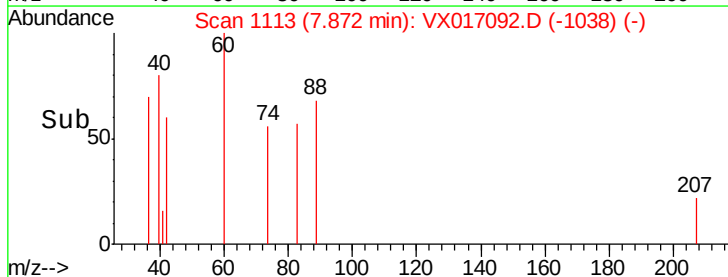
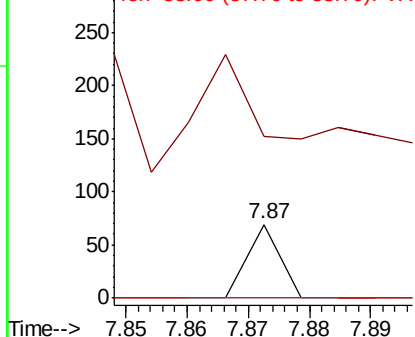


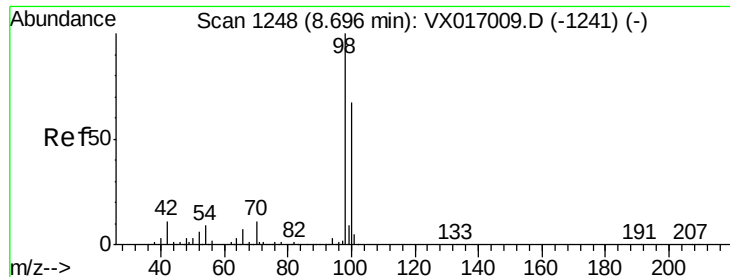
#49
1,4-Dioxane
Concen: 0.390 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.16 min
Lab File: VX017092.D
Acq: 01 Jul 2020 12:58

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 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: 52.243 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

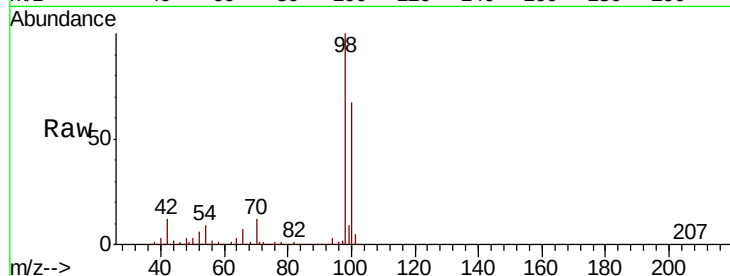
1445

Tot Ion: 98 Resp: 456994

Ion Ratio Lower Upper

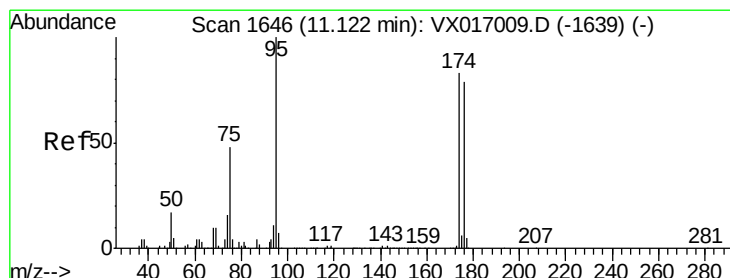
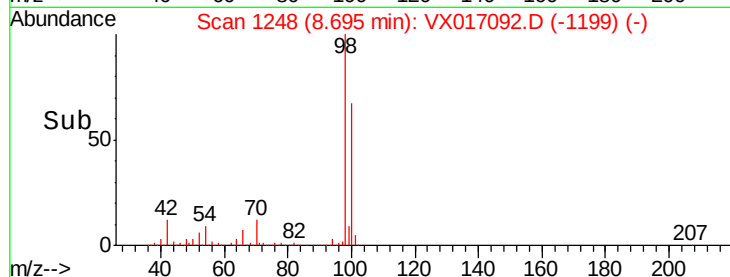
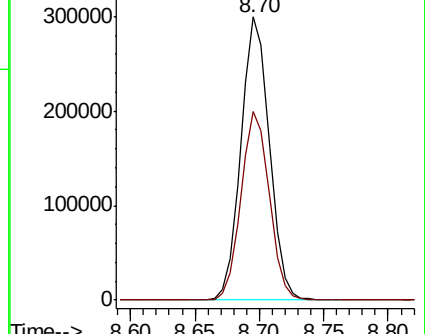
98 100

100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 55.413 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

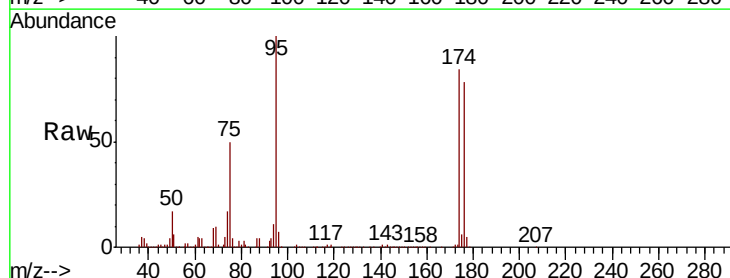
Tgt Ion: 95 Resp: 189484

Ion Ratio Lower Upper

95 100

174 84.2 0.0 164.0

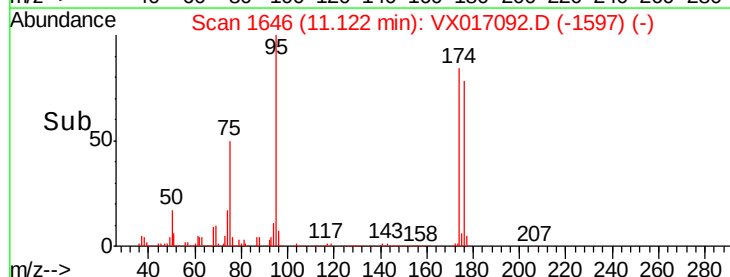
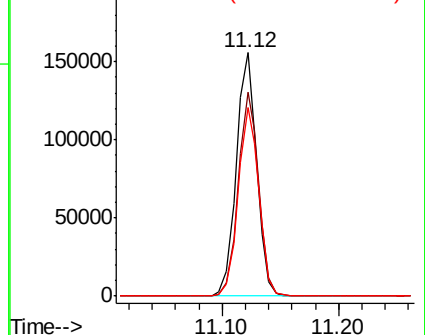
176 78.6 0.0 157.6

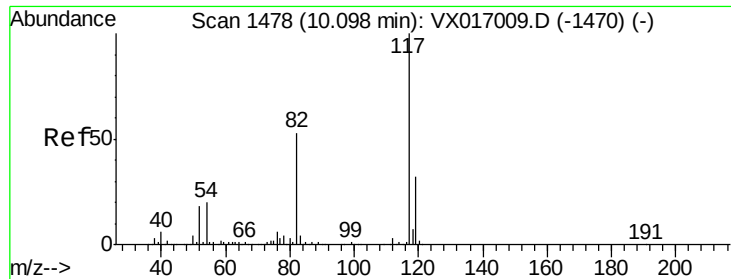


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

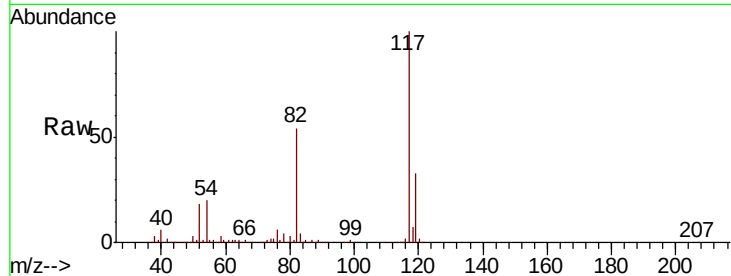




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017092.D
Acq: 01 Jul 2020 12:58

Instrument :
MSVOA_X
ClientSampleId :
1445

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.6	63.8
119	32.5	25.4	38.2

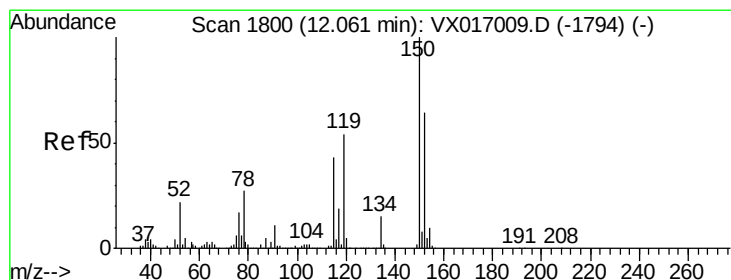
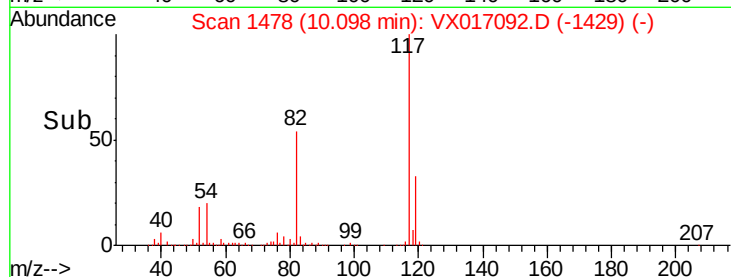
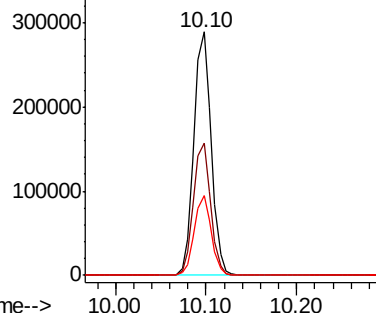


Abundance

Ion 116.90 (116.60 to 117.60): V

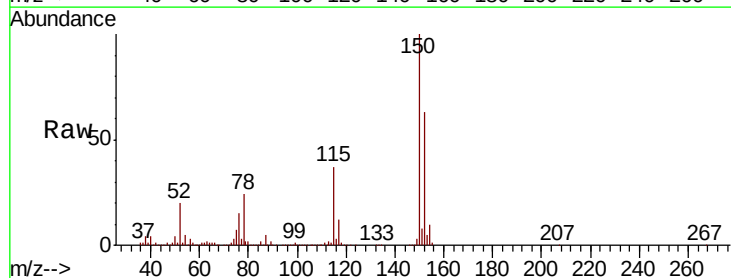
Ion 82.00 (81.70 to 82.70): VX0

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: VX017092.D
Acq: 01 Jul 2020 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	40.9	122.7
150	158.4	0.0	351.6

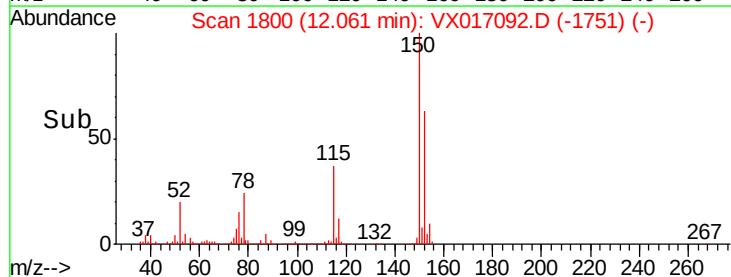
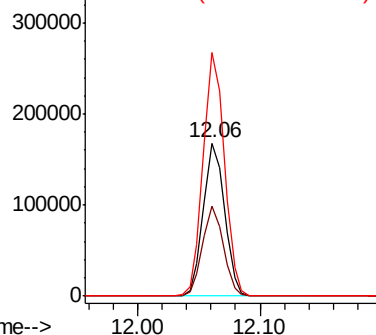


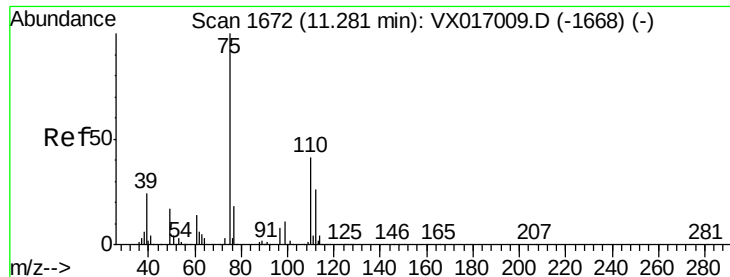
Abundance

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: 23.808 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

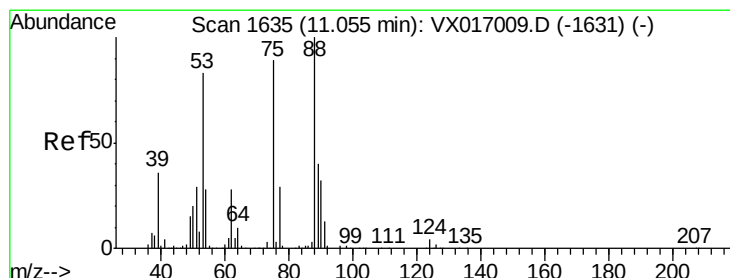
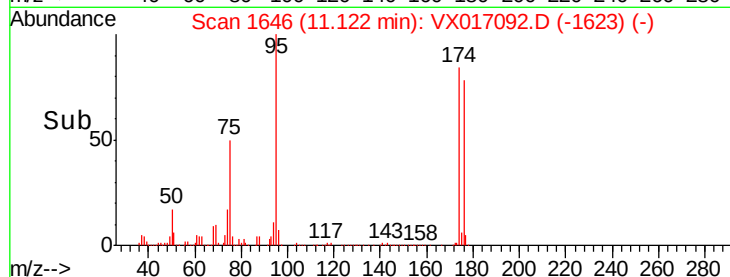
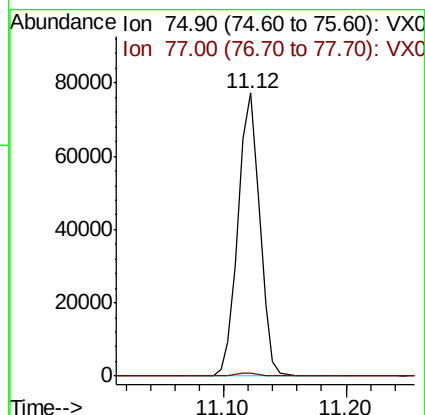
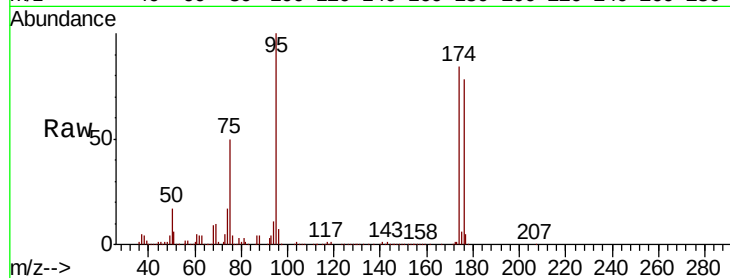
1445

Tot Ion: 75 Resp: 94395

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.655 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

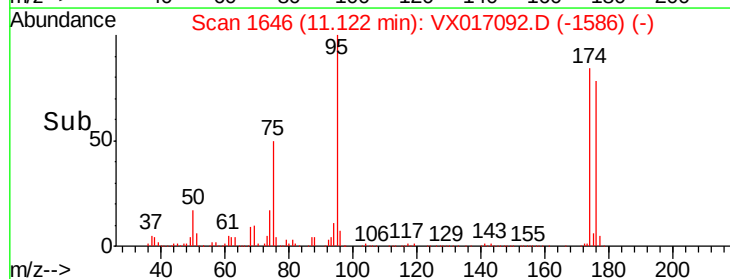
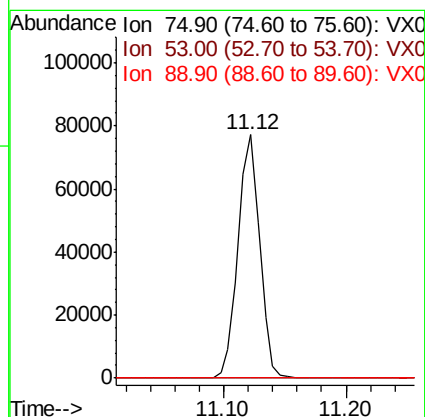
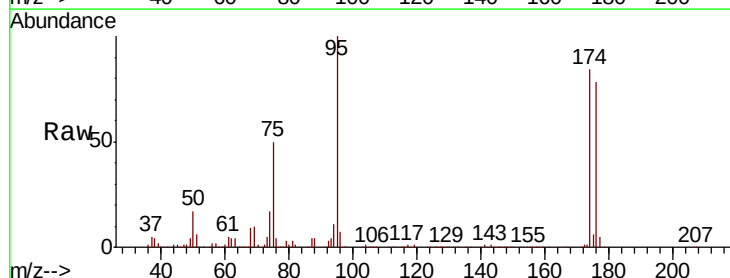
Tgt Ion: 75 Resp: 94395

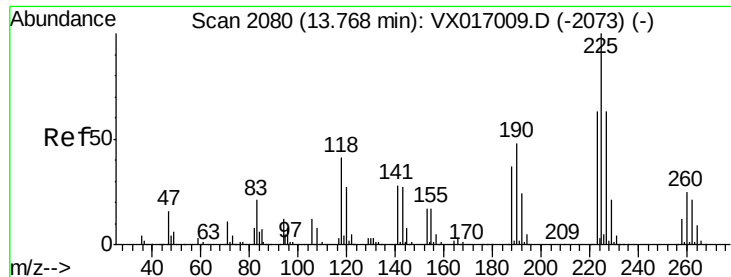
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.860 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017092.D

Acq: 01 Jul 2020 12:58

Instrument :

MSVOA_X

ClientSampleId :

1445

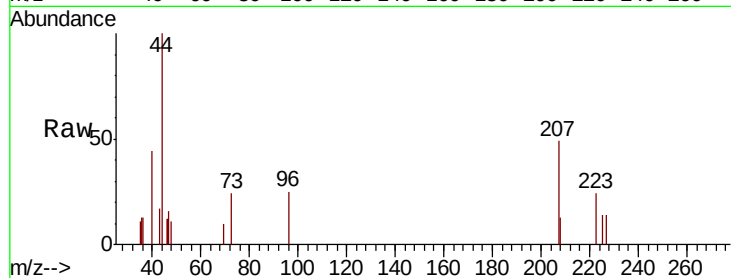
Tot Ion:225 Resp: 26

Ion Ratio Lower Upper

225 100

223 465.4 32.5 97.5#

227 276.9 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

