

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017023.D
 Acq On : 29 Jun 2020 21:34
 Operator : JC/SP
 Sample : L3146-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200624027-01-TRIP-BLANK

Quant Time: Jun 30 05:33:09 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	255155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	457804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	166867	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	5.47	113	144085	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	8.70	98	543092	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.12	95	227963	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds

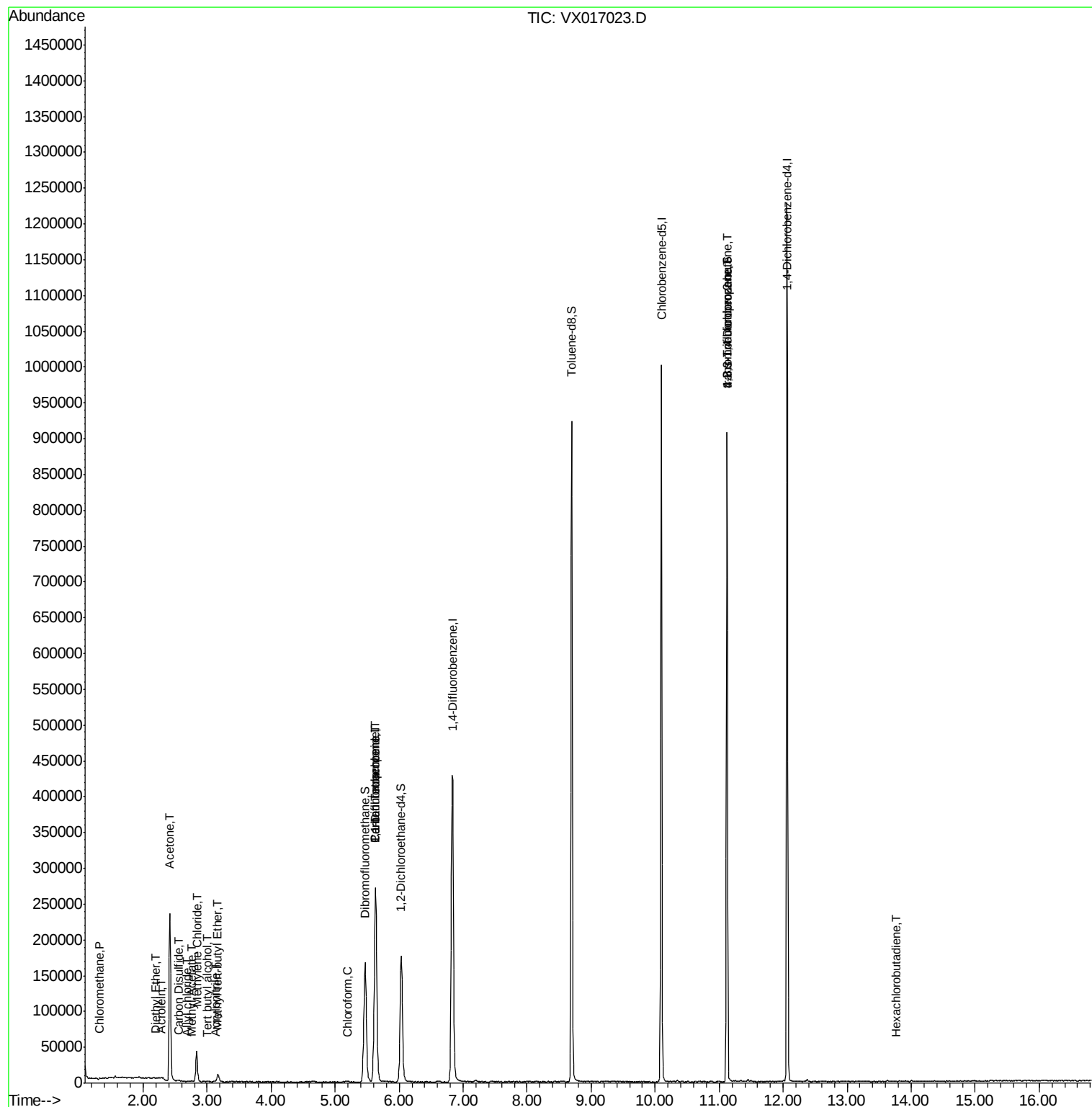
						Qvalue
3) Chloromethane	1.32	50	601	0.201	ug/l #	75
8) Diethyl Ether	2.20	74	44	0.397	ug/l	96
11) Tert butyl alcohol	3.00	59	557	0.928	ug/l #	73
13) Acrolein	2.27	56	222	0.619	ug/l	96
14) Allyl chloride	2.68	41	990	0.212	ug/l #	66
15) Acrylonitrile	3.12	53	350	0.243	ug/l #	82
16) Acetone	2.42	43	247074	209.968	ug/l	100
17) Carbon Disulfide	2.55	76	1419	0.224	ug/l	98
18) Methyl Acetate	2.76	43	1075	0.350	ug/l #	75
19) Methyl tert-butyl Ether	3.17	73	10858	1.282	ug/l	97
20) Methylene Chloride	2.84	84	20392	6.881	ug/l	97
30) Chloroform	5.19	83	1178	0.234	ug/l #	79
36) 1,1-Dichloropropene	5.64	75	18794	4.452	ug/l #	50
38) Carbon Tetrachloride	5.63	117	25167	5.412	ug/l #	17
44) Trichloroethene	7.19	130	492	Below Cal		93
76) 1,2,3-Trichloropropane	11.12	75	111974	23.225	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	111974	60.145	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	528	Below Cal		95
94) Hexachlorobutadiene	13.77	225	140	0.915	ug/l #	64

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

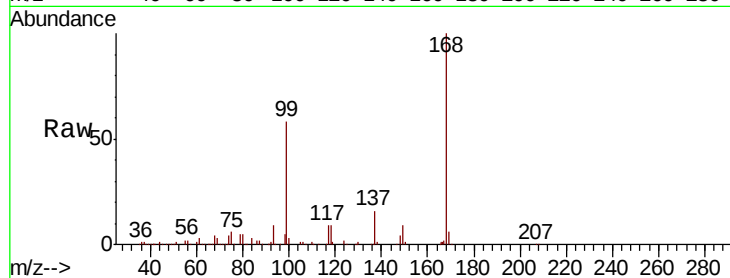
200624027-01-TRIP-BLANK

Tot Ion:168 Resp: 255155

Ion Ratio Lower Upper

168 100

99 58.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

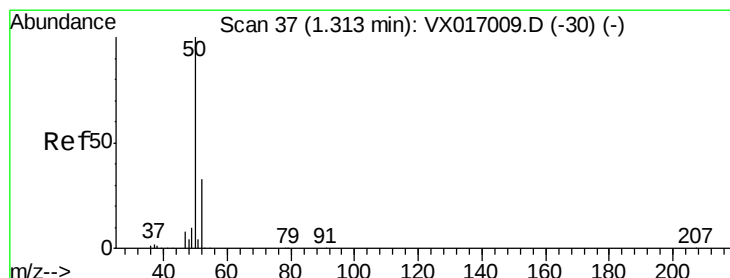
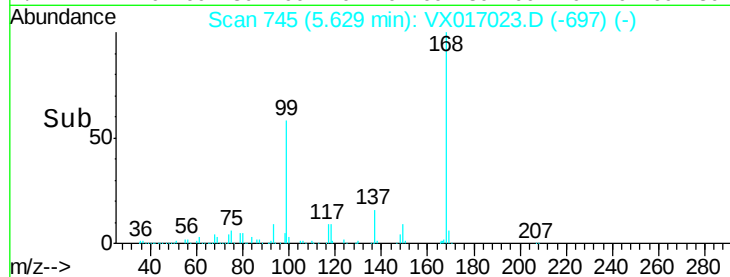
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017023.D

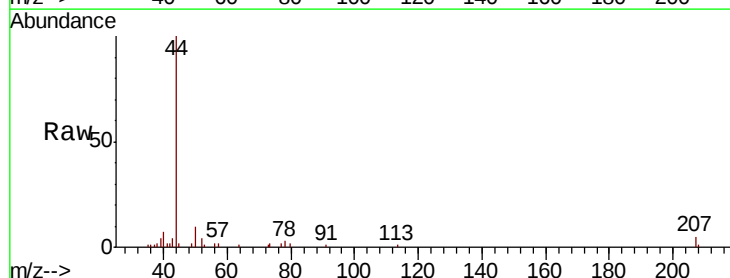
Acq: 29 Jun 2020 21:34

Tgt Ion: 50 Resp: 601

Ion Ratio Lower Upper

50 100

52 46.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

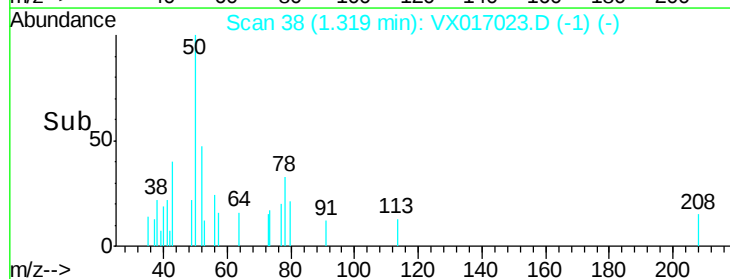
300

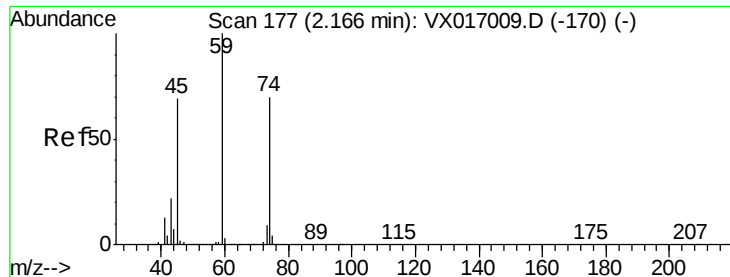
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.397 ug/l

RT: 2.20 min Scan# 182

Delta R.T. 0.03 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

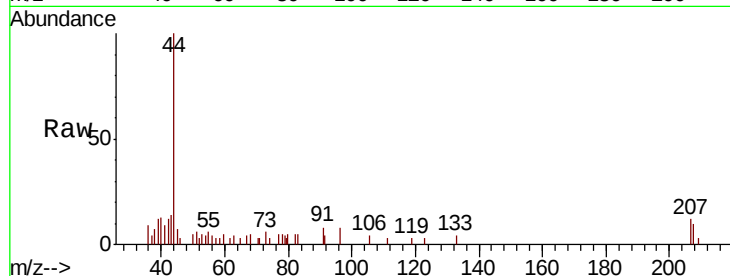
200624027-01-TRIP-BLANK

Tot Ion: 74 Resp: 44

Ion Ratio Lower Upper

74 100

45 95.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

300

200

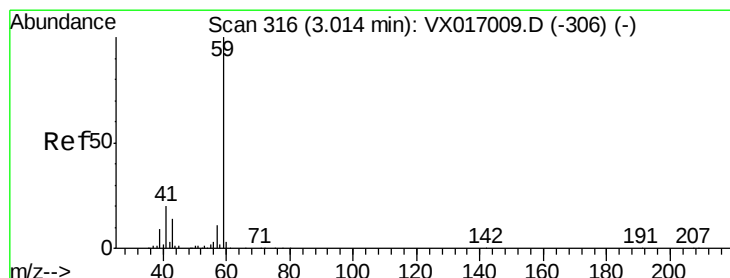
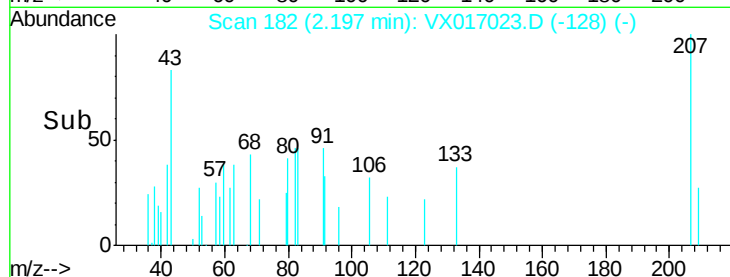
100

0

2.18 2.19 2.20 2.21 2.22

2.20

Time-->



#11

Tert butyl alcohol

Concen: 0.928 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017023.D

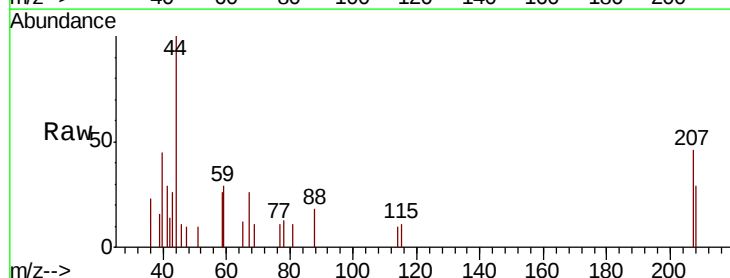
Acq: 29 Jun 2020 21:34

Tgt Ion: 59 Resp: 557

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

300

200

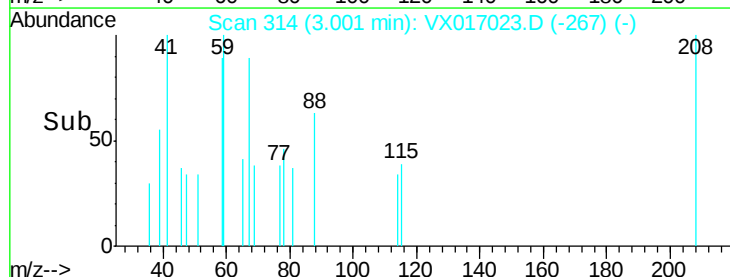
100

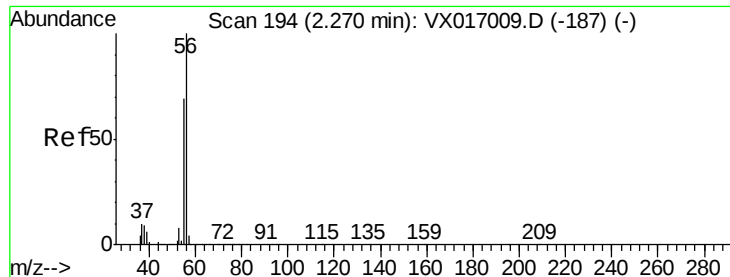
0

2.95 3.00 3.05

3.00

Time-->





#13

Acrolein

Concen: 0.619 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

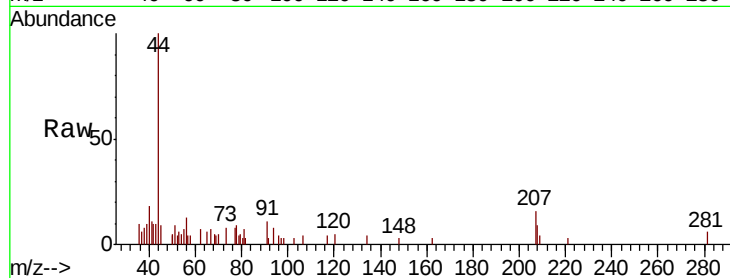
200624027-01-TRIP-BLANK

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

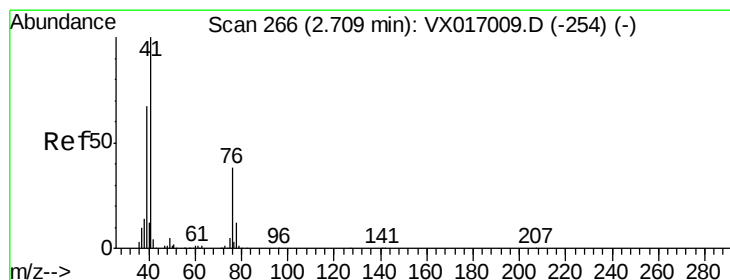
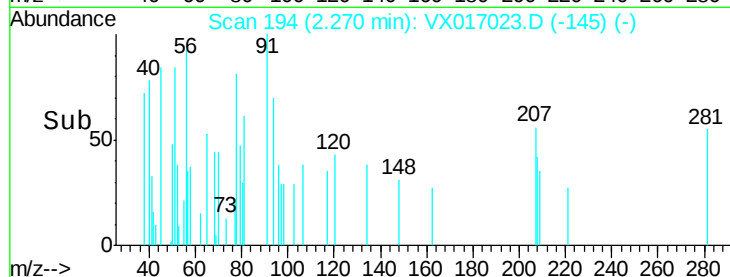
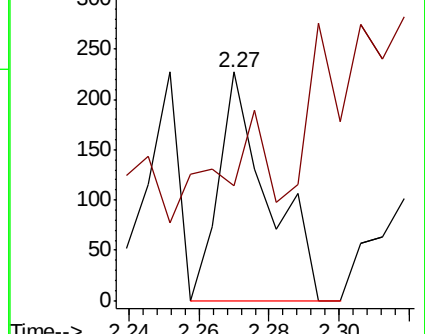
56 100

55 66.2 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.212 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

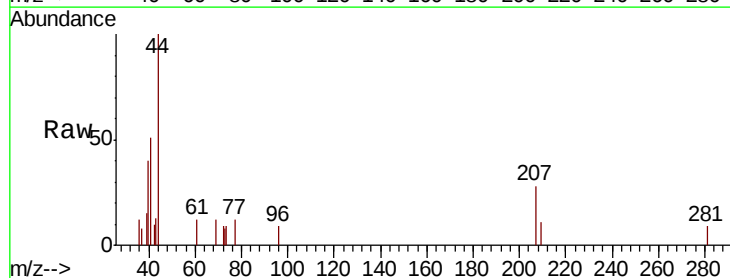
Tgt Ion: 41 Resp: 990

Ion Ratio Lower Upper

41 100

39 45.6 49.4 74.2#

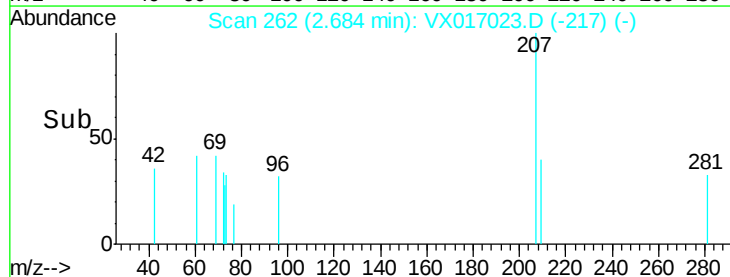
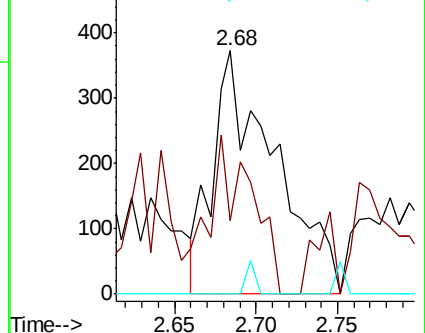
76 0.0 26.8 40.2#

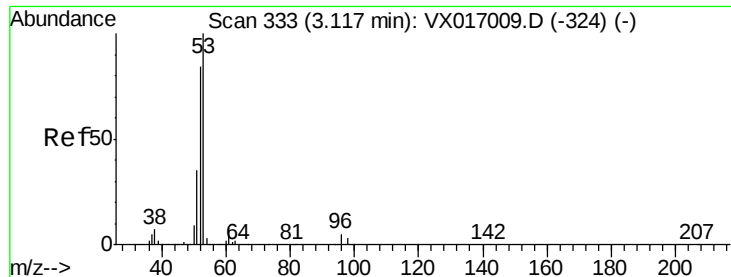


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

200624027-01-TRIP-BLANK

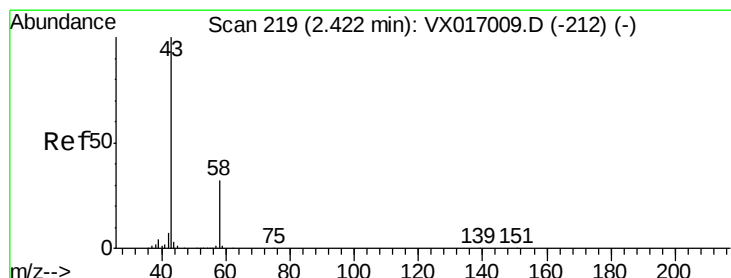
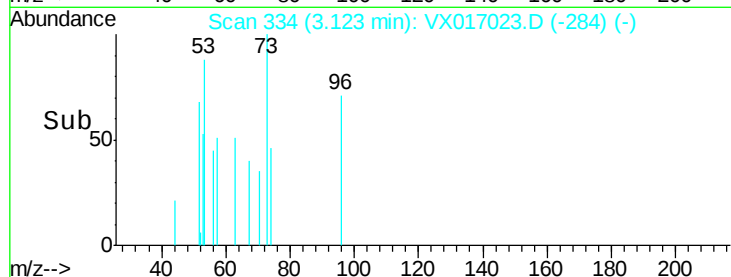
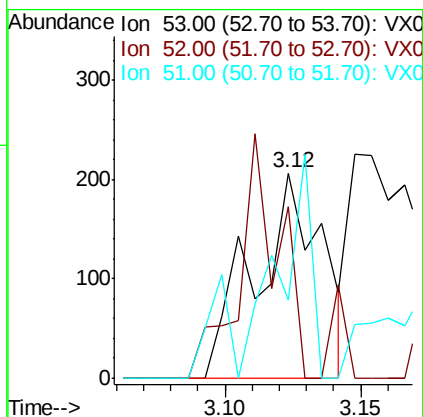
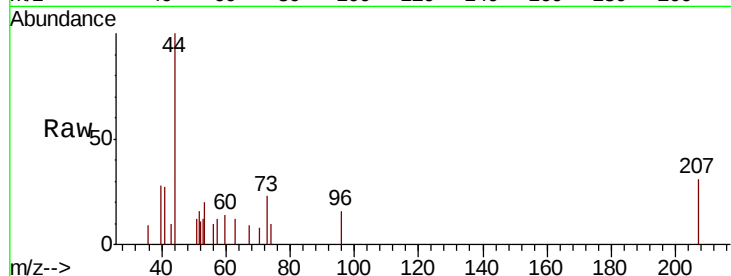
Tot Ion: 53 Resp: 350

Ion Ratio Lower Upper

53 100

52 70.0 65.6 98.4

51 52.3 28.3 42.5#



#16

Acetone

Concen: 209.968 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017023.D

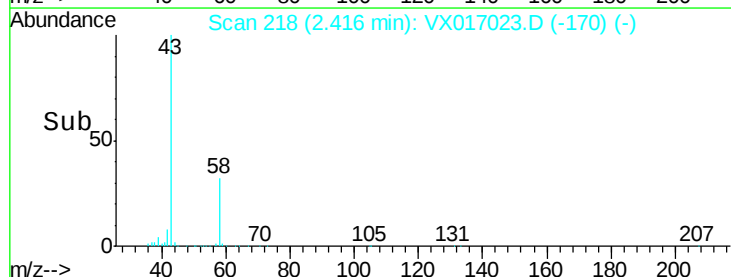
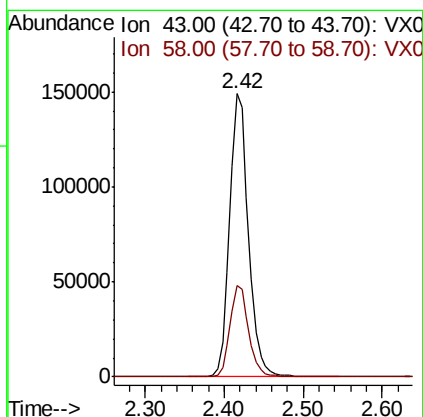
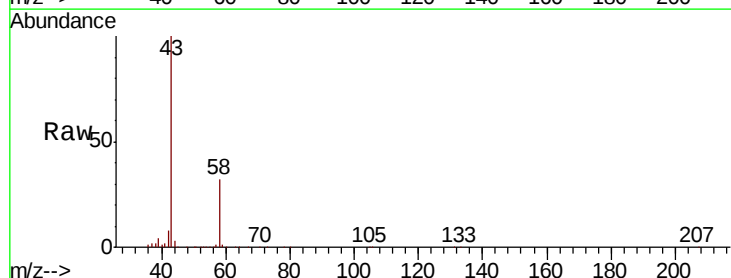
Acq: 29 Jun 2020 21:34

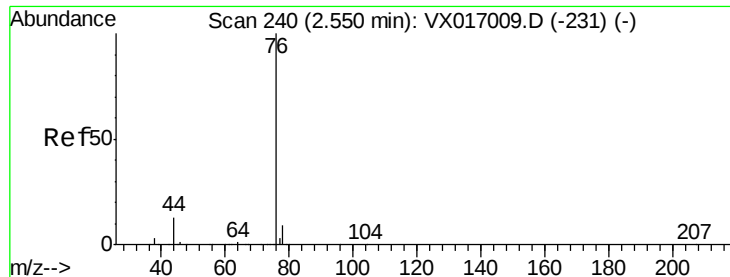
Tgt Ion: 43 Resp: 247074

Ion Ratio Lower Upper

43 100

58 32.1 25.7 38.5

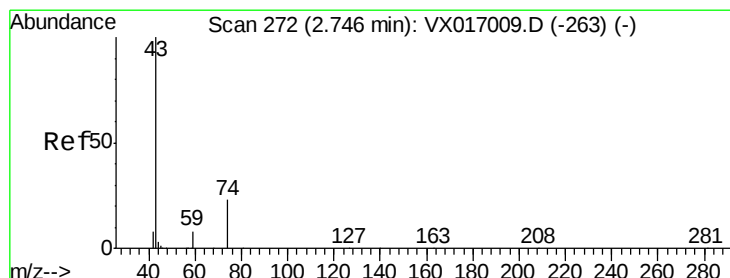
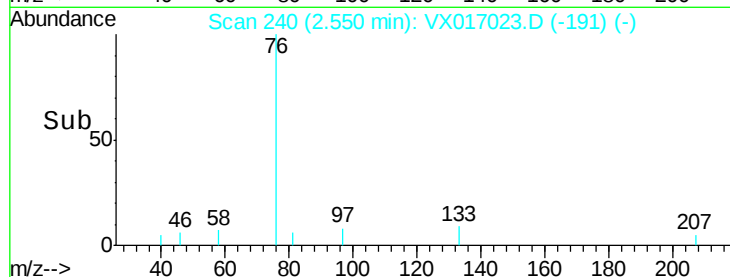
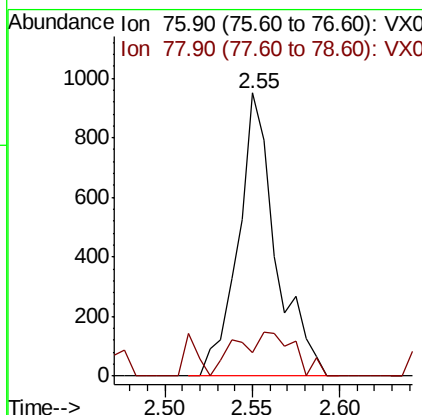
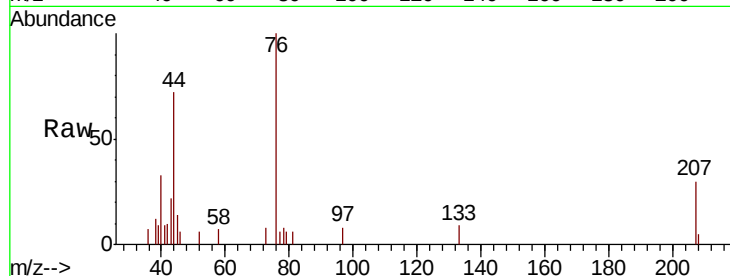




#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017023.D
Acq: 29 Jun 2020 21:34

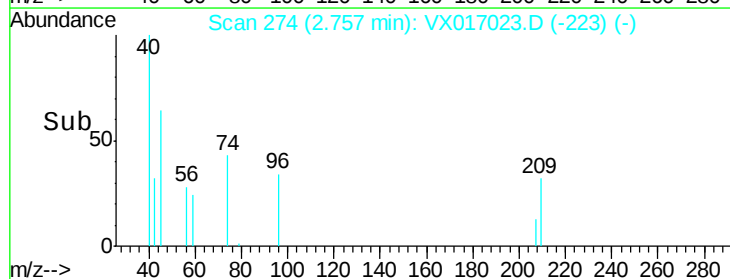
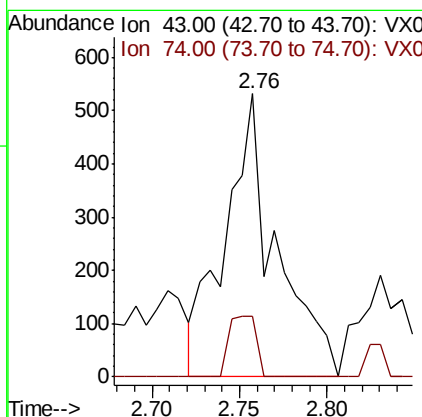
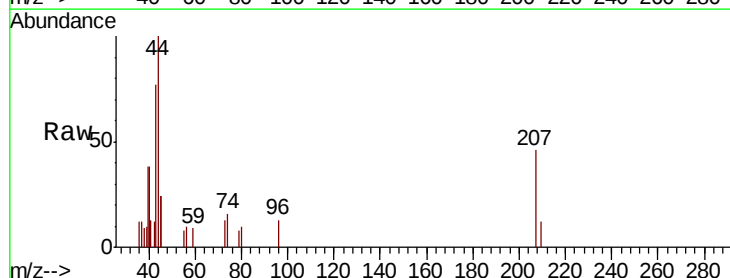
Instrument :
MSVOA_X
ClientSampleId :
200624027-01-TRIP-BLANK

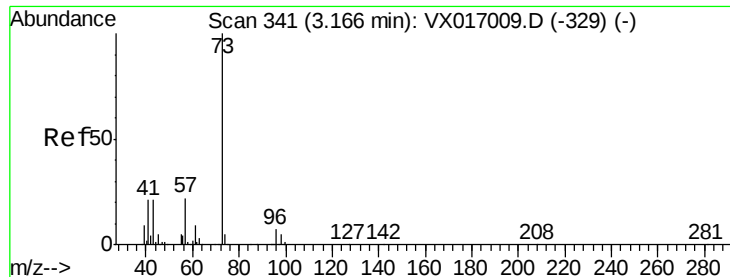
Tot Ion: 76 Resp: 1419
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017023.D
Acq: 29 Jun 2020 21:34

Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
74 11.5 19.3 28.9#



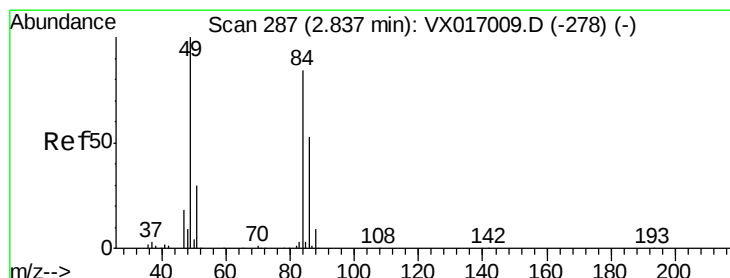
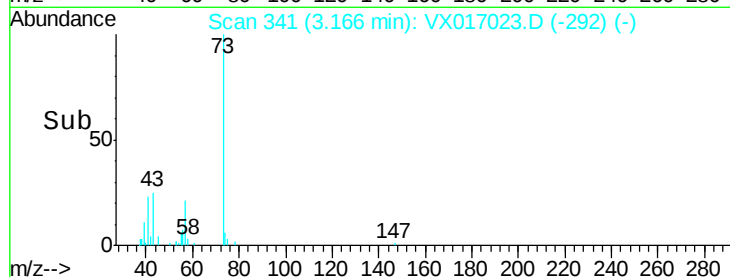
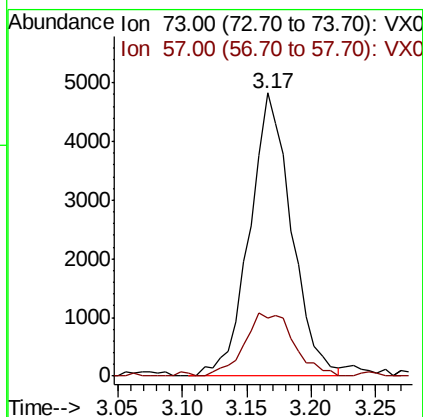
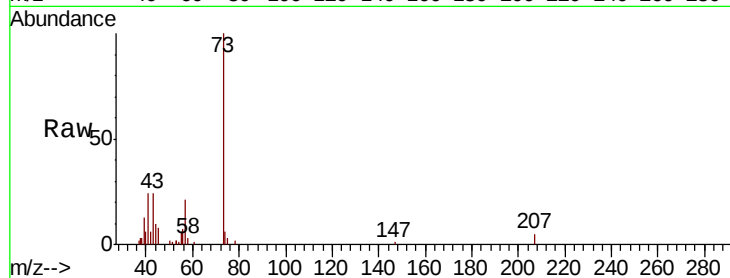


#19

Methyl tert-butyl Ether
 Concen: 1.282 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX017023.D
 Acq: 29 Jun 2020 21:34

Instrument :
 MSVOA_X
 ClientSampleId :
 200624027-01-TRIP-BLANK

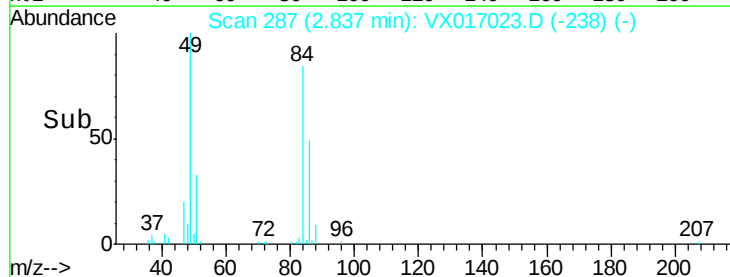
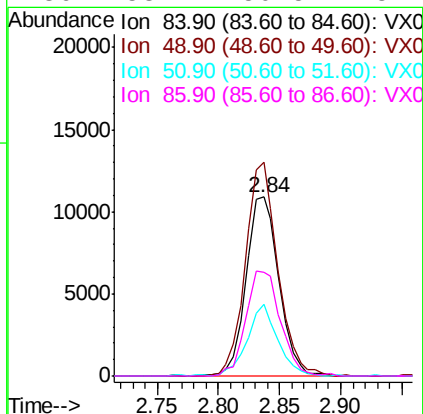
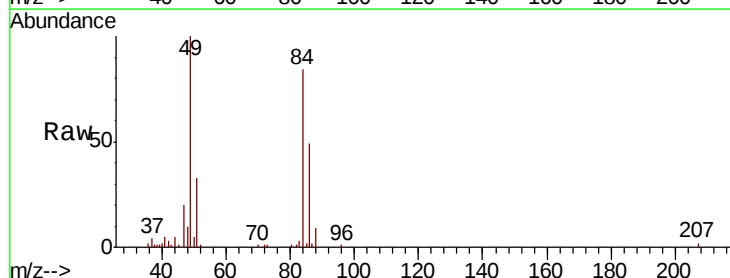
Tot Ion: 73 Resp: 10858
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.6 26.4

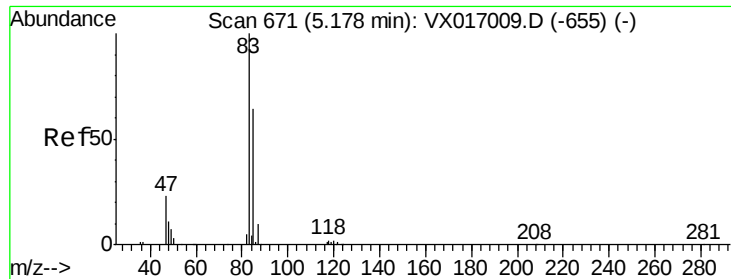


#20

Methylene Chloride
 Concen: 6.881 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017023.D
 Acq: 29 Jun 2020 21:34

Tgt Ion: 84 Resp: 20392
 Ion Ratio Lower Upper
 84 100
 49 119.5 94.7 142.1
 51 39.9 28.6 42.8
 86 58.4 50.5 75.7

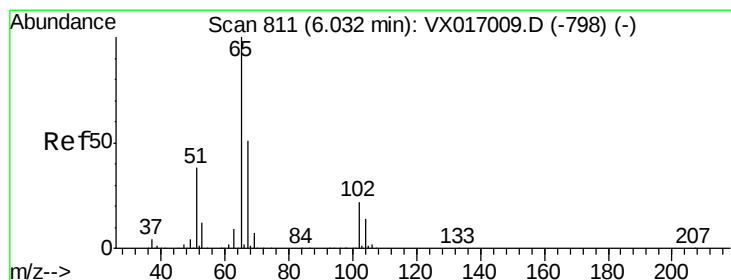
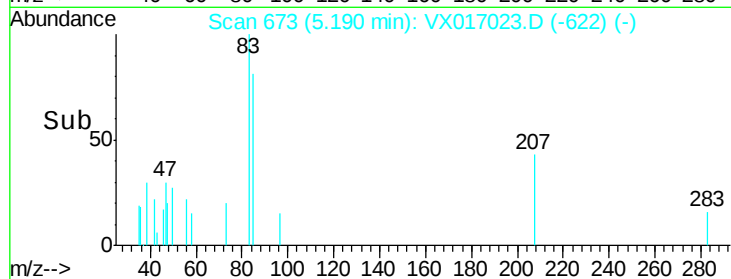
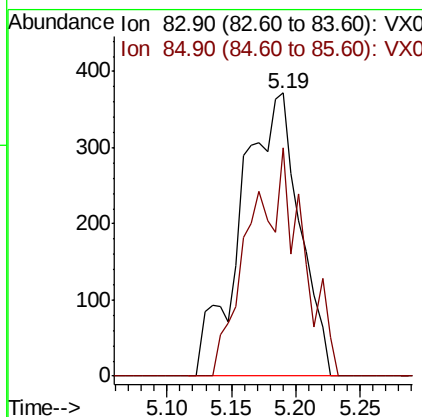
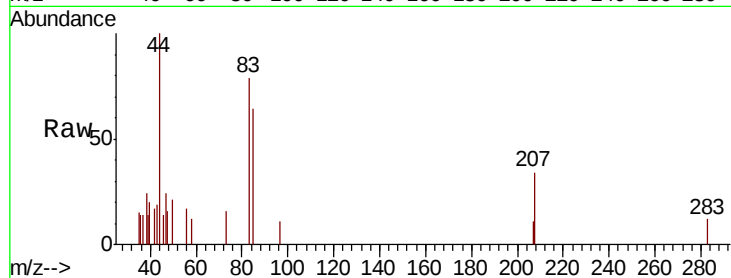




#30
Chloroform
Concen: 0.234 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX017023.D
Acq: 29 Jun 2020 21:34

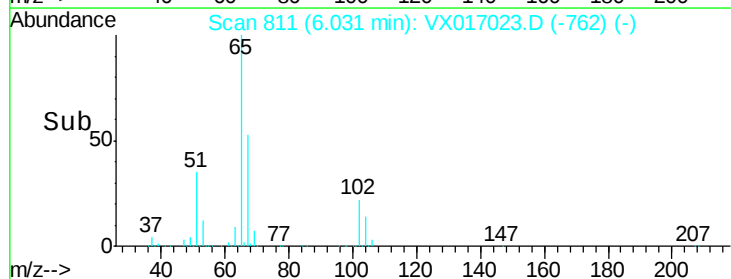
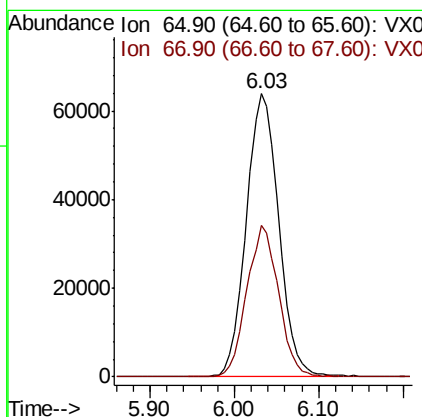
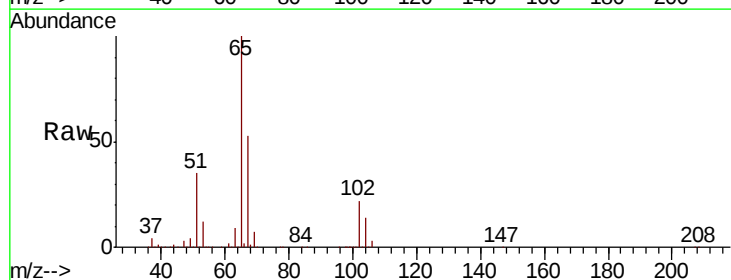
Instrument :
MSVOA_X
ClientSampleId :
200624027-01-TRIP-BLANK

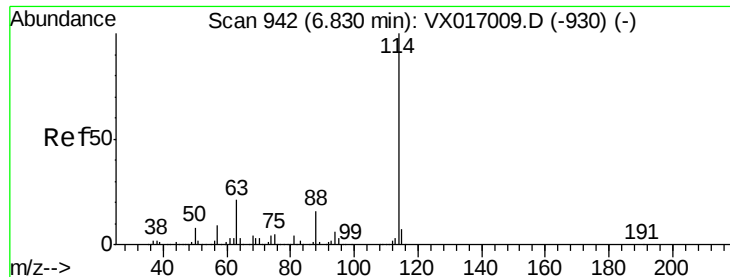
Tot Ion: 83 Resp: 1178
Ion Ratio Lower Upper
83 100
85 80.6 51.4 77.2#



#33
1,2-Dichloroethane-d4
Concen: 53.049 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017023.D
Acq: 29 Jun 2020 21:34

Tgt Ion: 65 Resp: 166867
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

200624027-01-TRIP-BLANK

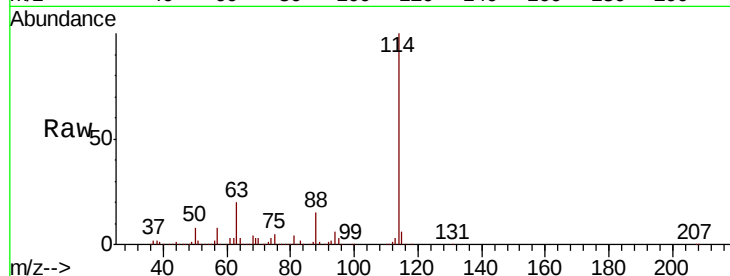
Tot Ion:114 Resp: 446675

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 15.4 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

250000

200000

150000

100000

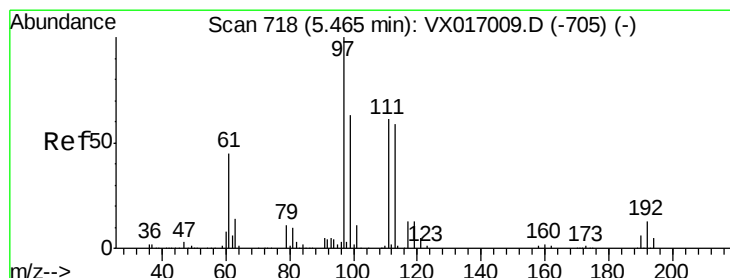
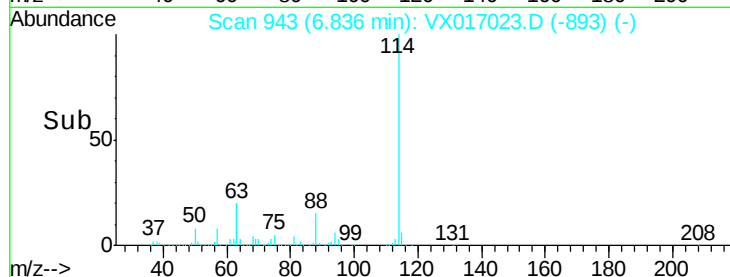
50000

0

6.84

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 50.994 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

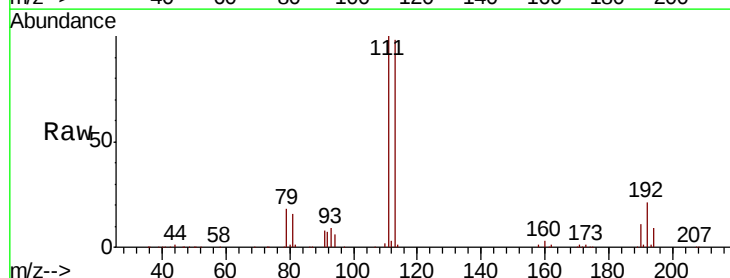
Tgt Ion:113 Resp: 144085

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

192 20.0 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

60000

40000

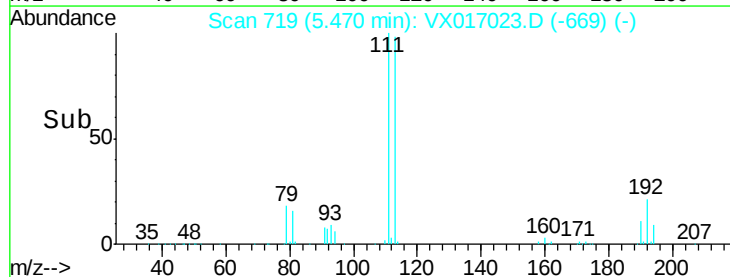
20000

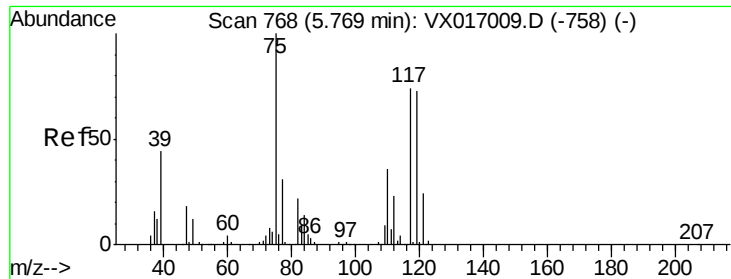
0

5.47

5.40 5.50 5.60

Time-->

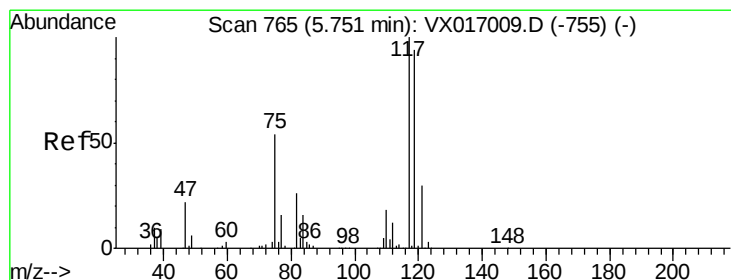
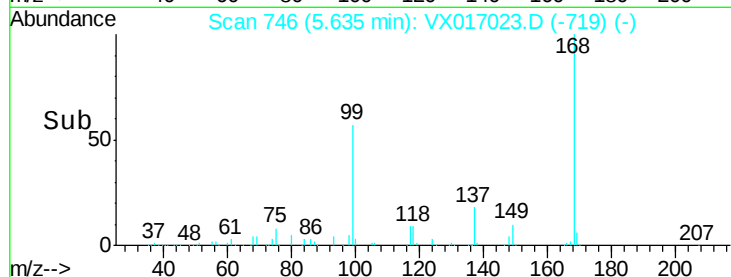
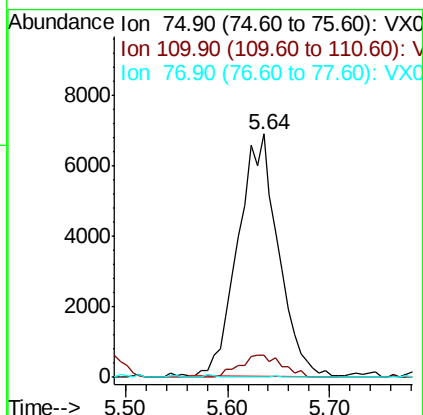
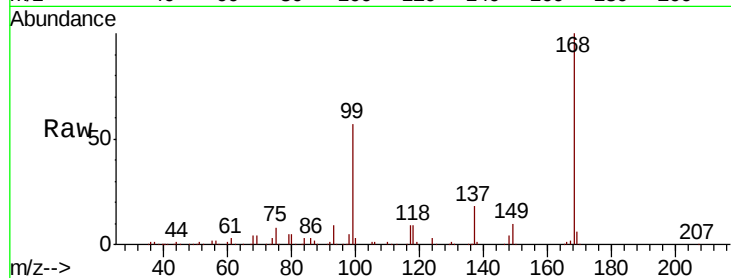




#36
 1,1-Dichloropropene
 Concen: 4.452 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017023.D
 Acq: 29 Jun 2020 21:34

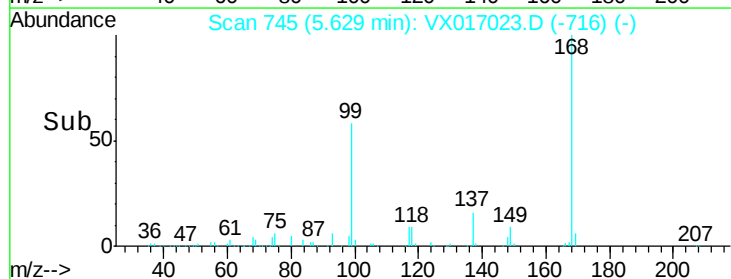
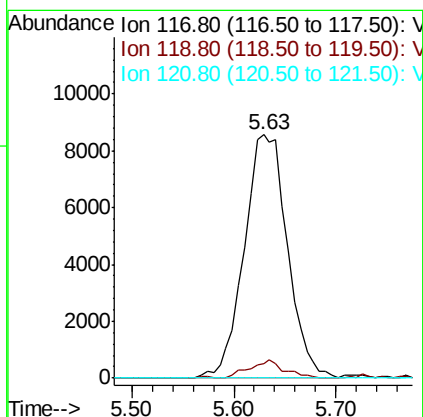
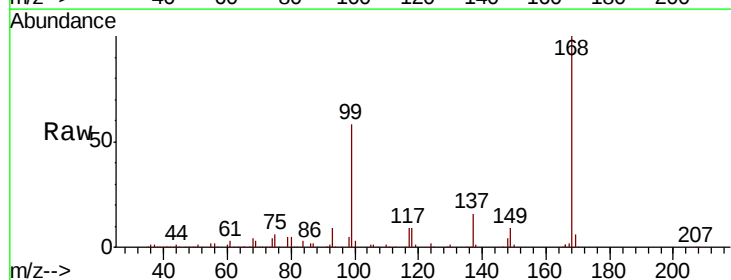
Instrument :
 MSVOA_X
 ClientSampleId :
 200624027-01-TRIP-BLANK

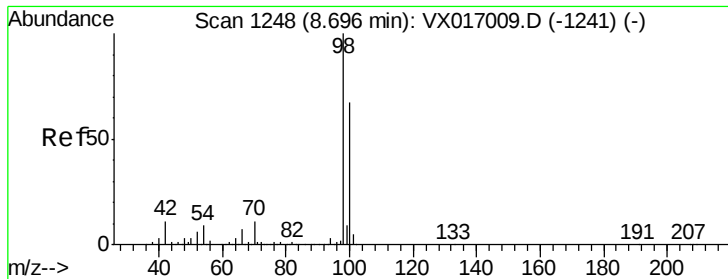
Tot Ion: 75 Resp: 18794
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.1 54.1#
 77 0.1 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.412 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017023.D
 Acq: 29 Jun 2020 21:34

Tgt Ion: 117 Resp: 25167
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.4 113.0#
 121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 51.979 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

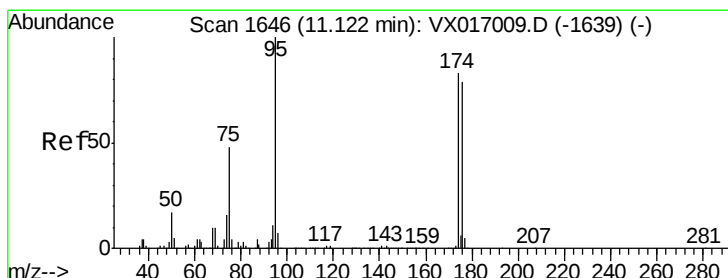
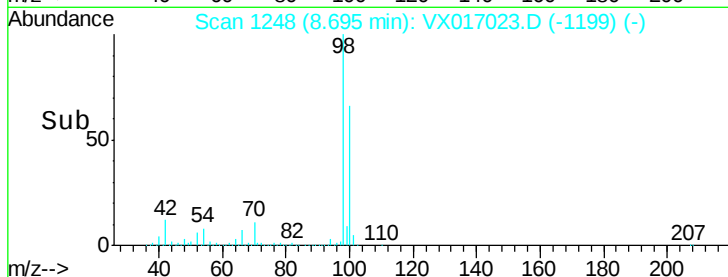
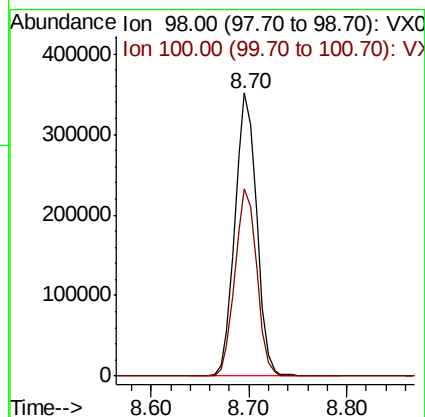
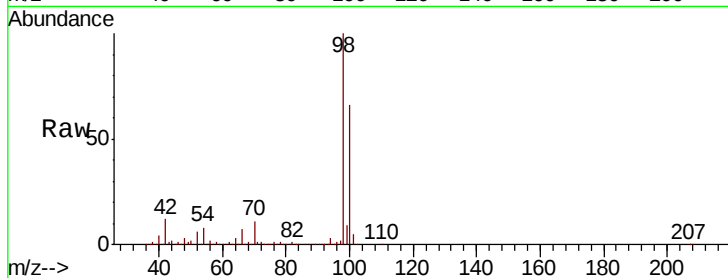
200624027-01-TRIP-BLANK

Tot Ion: 98 Resp: 543092

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.814 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

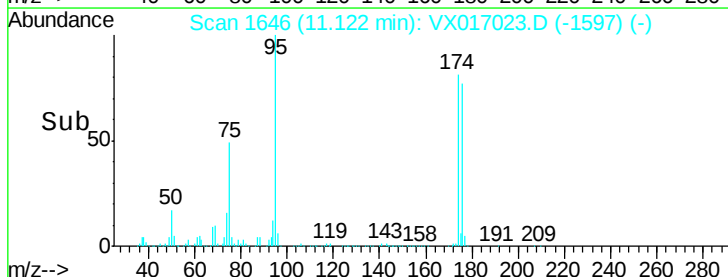
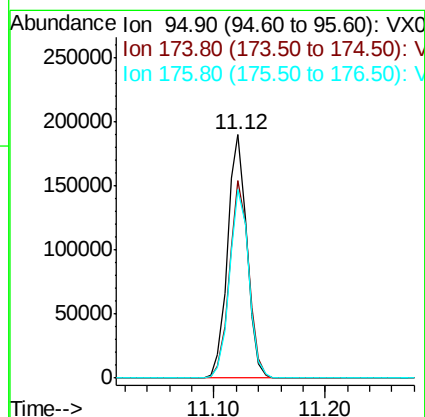
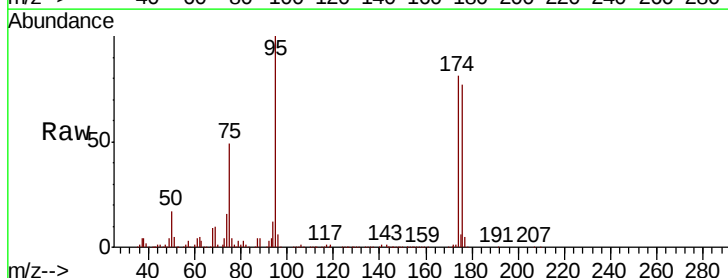
Tgt Ion: 95 Resp: 227963

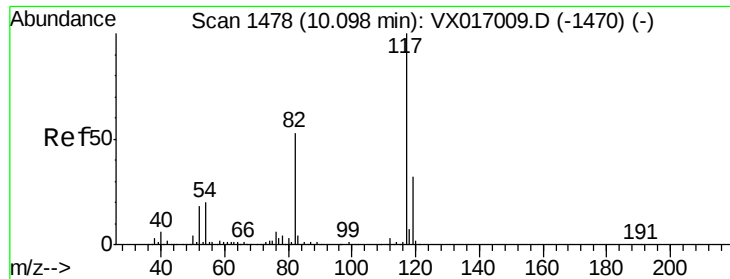
Ion Ratio Lower Upper

95 100

174 80.7 0.0 164.0

176 77.2 0.0 157.6

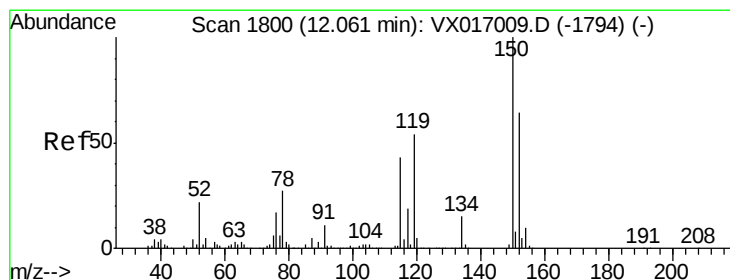
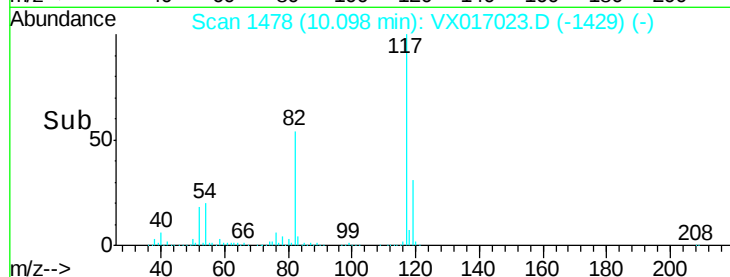
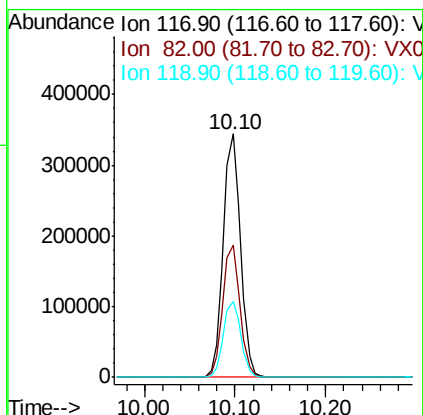
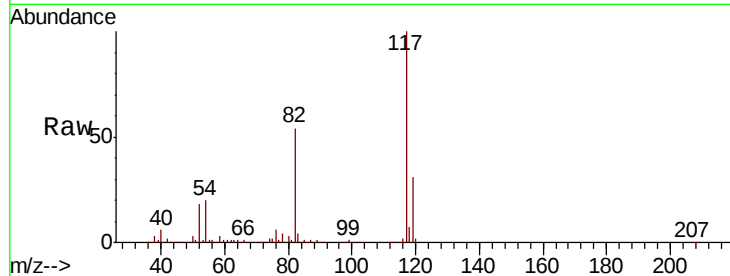




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017023.D
Acq: 29 Jun 2020 21:34

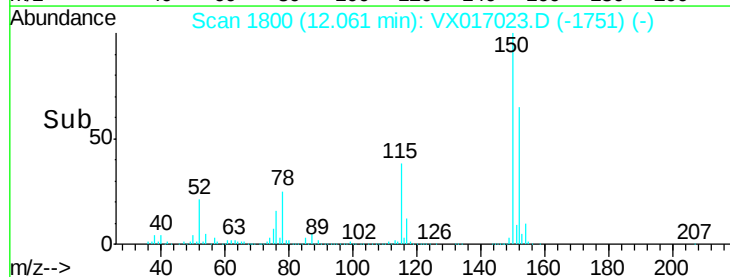
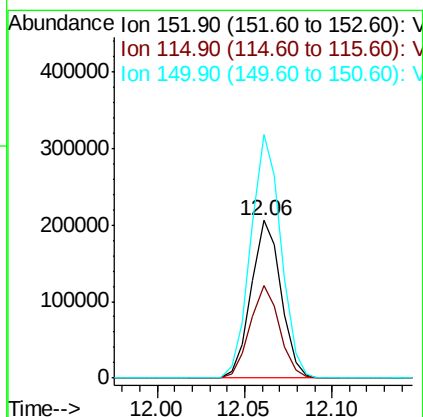
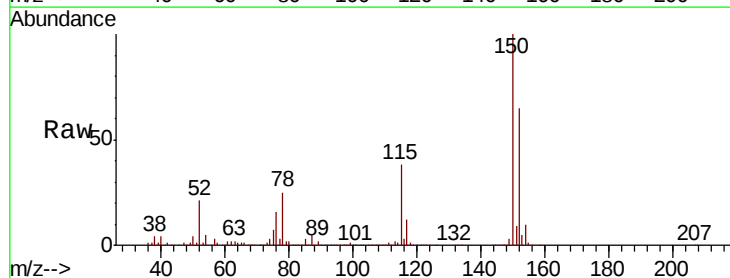
Instrument :
MSVOA_X
ClientSampleId :
200624027-01-TRIP-BLANK

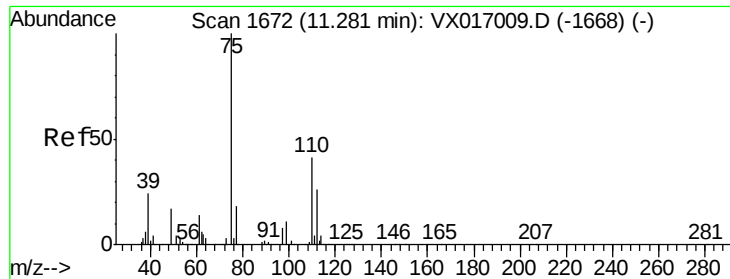
Tot Ion:117 Resp: 457804
Ion Ratio Lower Upper
117 100
82 54.1 42.6 63.8
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017023.D
Acq: 29 Jun 2020 21:34

Tgt Ion:152 Resp: 245173
Ion Ratio Lower Upper
152 100
115 57.7 40.9 122.7
150 155.9 0.0 351.6

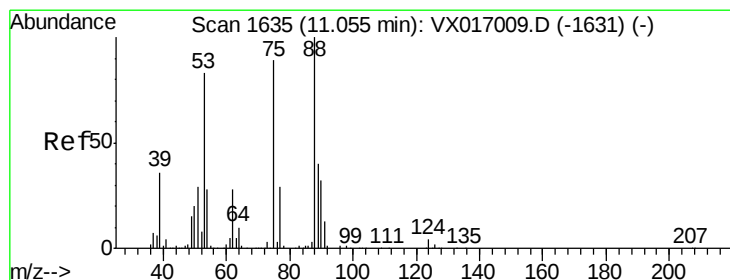
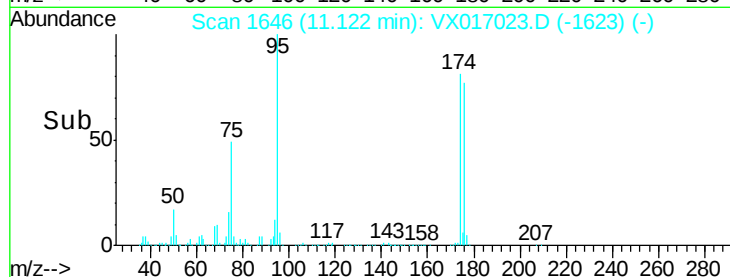
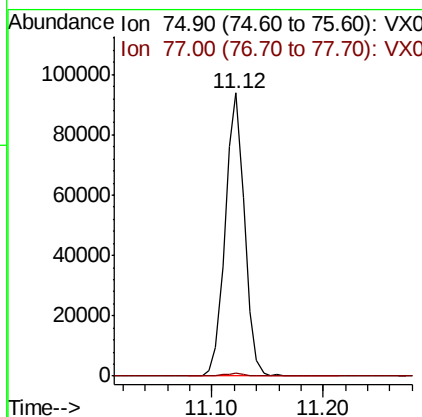
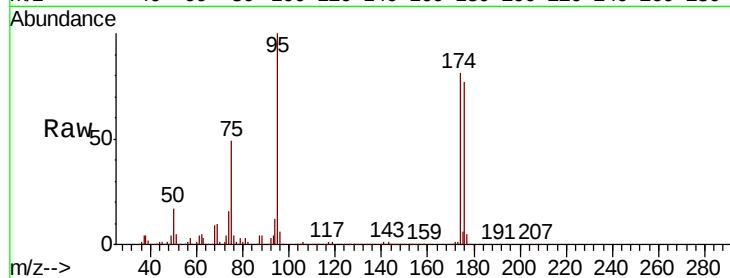




#76
 1,2,3-Trichloropropane
 Concen: 23.225 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017023.D
 Acq: 29 Jun 2020 21:34

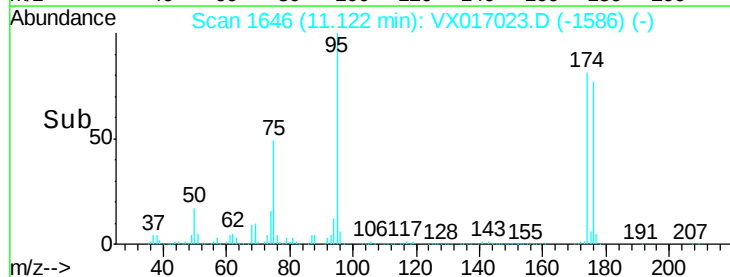
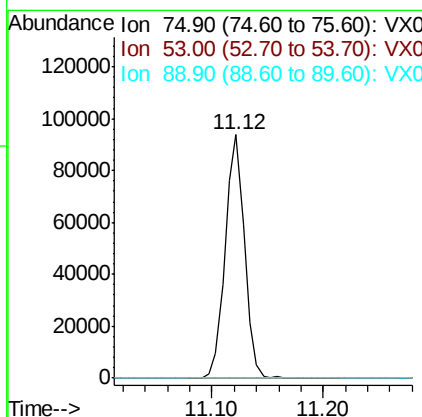
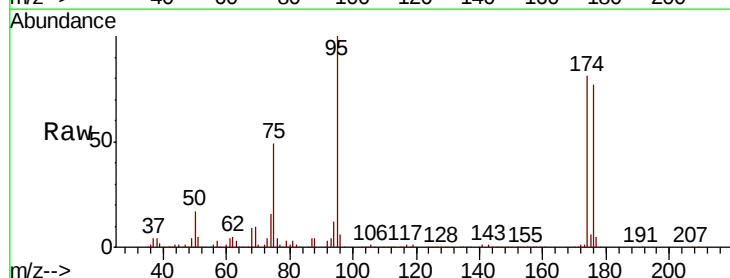
Instrument :
 MSVOA_X
 ClientSampleId :
 200624027-01-TRIP-BLANK

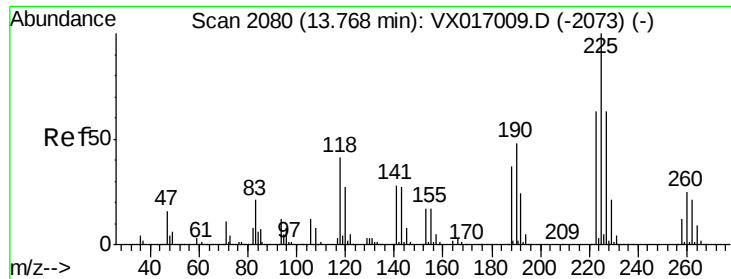
Tot Ion: 75 Resp: 111974
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.145 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017023.D
 Acq: 29 Jun 2020 21:34

Tgt Ion: 75 Resp: 111974
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.915 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017023.D

Acq: 29 Jun 2020 21:34

Instrument :

MSVOA_X

ClientSampleId :

200624027-01-TRIP-BLANK

Tot Ion:	225	Resp:	140
Ion	Ratio	Lower	Upper
225	100		
223	97.9	32.5	97.5#
227	42.1	33.1	99.2

