

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017132.D
 Acq On : 02 Jul 2020 04:54
 Operator : JC/SP
 Sample : L3159-19 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20200629

Quant Time: Jul 02 05:51:57 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	204114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	350789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	365797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199570	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	138702	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
35) Dibromofluoromethane	5.46	113	118809	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
50) Toluene-d8	8.70	98	427737	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.12	95	182085	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	

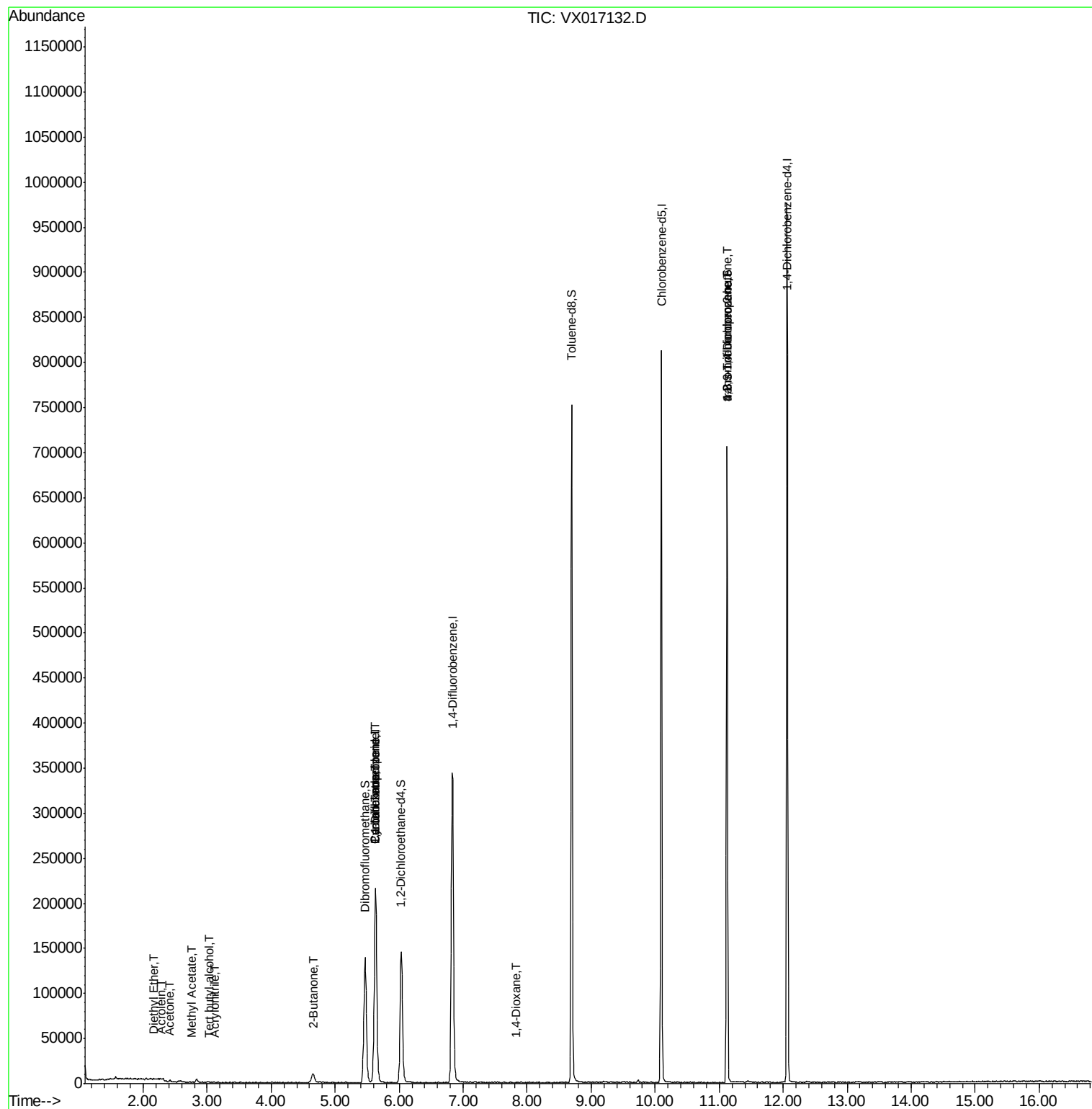
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	22	0.385	ug/l #	1
11) Tert butyl alcohol	3.03	59	483	1.006	ug/l #	73
13) Acrolein	2.28	56	149	0.519	ug/l #	1
15) Acrylonitrile	3.11	53	268	0.232	ug/l #	91
16) Acetone	2.42	43	1552	1.649	ug/l #	72
18) Methyl Acetate	2.76	43	496	0.202	ug/l #	69
20) Methylene Chloride	2.83	84	1531	Below Cal	#	84
25) 2-Butanone	4.65	43	1050	0.669	ug/l	92
31) Cyclohexane	5.62	56	4094	1.205	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15923	4.803	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20106	5.506	ug/l #	17
44) Trichloroethene	7.20	130	247	Below Cal		53
49) 1,4-Dioxane	7.82	88	19	0.316	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	88863	22.644	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	88863	58.639	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	369	Below Cal	#	1

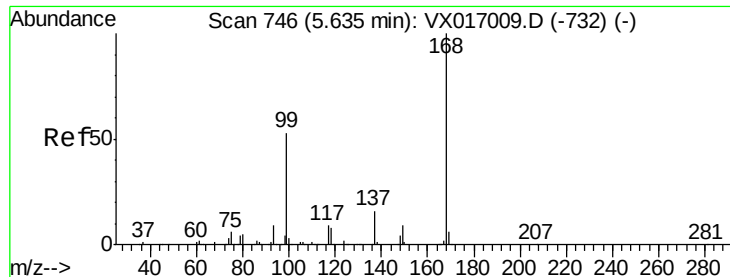
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Instrument :

MSVOA_X

ClientSampleId :

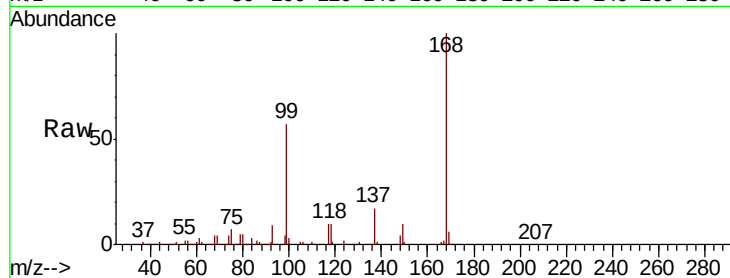
DUP05-20200629

Tot Ion:168 Resp: 204114

Ion Ratio Lower Upper

168 100

99 56.6 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

80000

60000

40000

20000

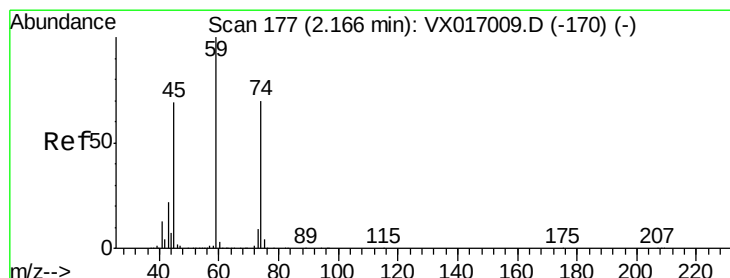
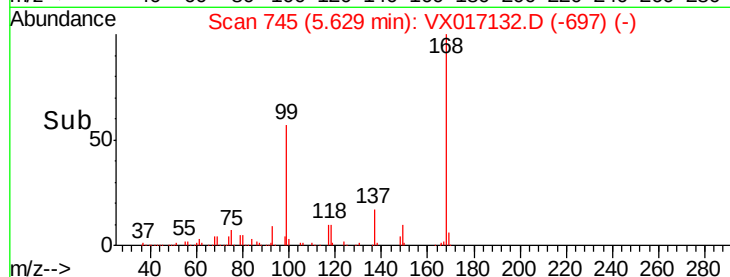
0

Time-->

5.50

5.60

5.70



#8

Diethyl Ether

Concen: 0.385 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017132.D

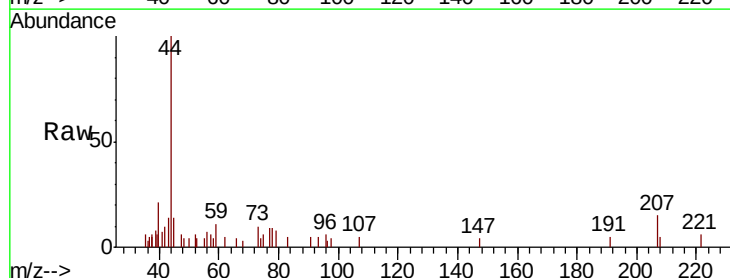
Acq: 02 Jul 2020 04:54

Tgt Ion: 74 Resp: 22

Ion Ratio Lower Upper

74 100

45 1868.2 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

250

200

150

100

50

0

Time-->

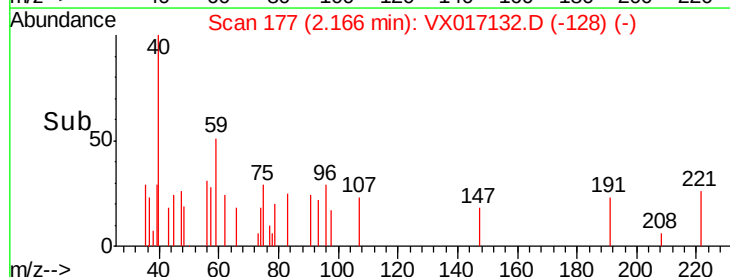
2.15

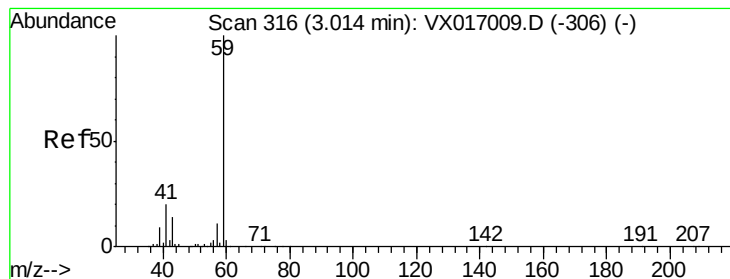
2.16

2.17

2.17

2.17



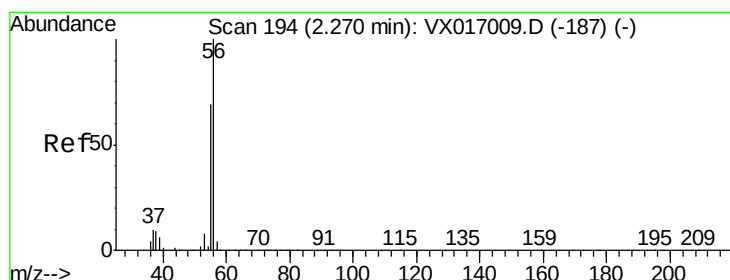
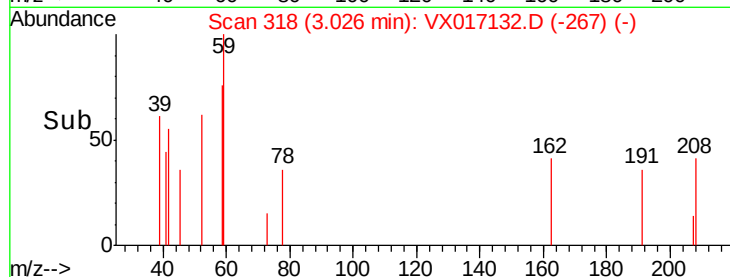
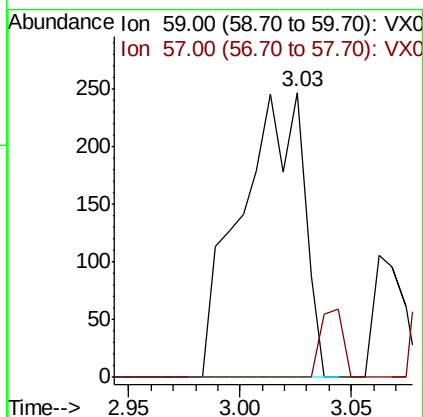
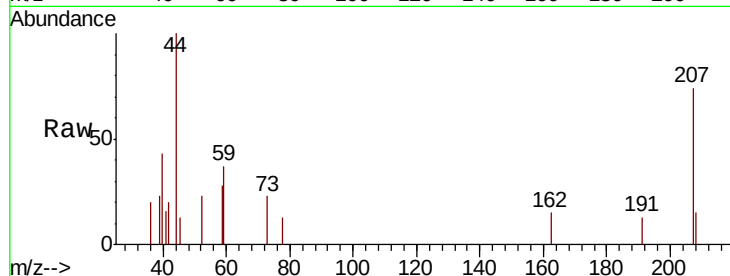


#11

Tert butyl alcohol
Concen: 1.006 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

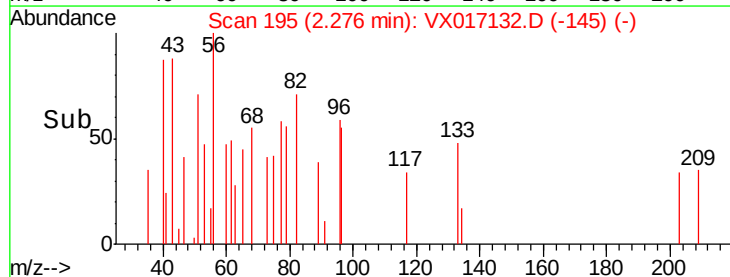
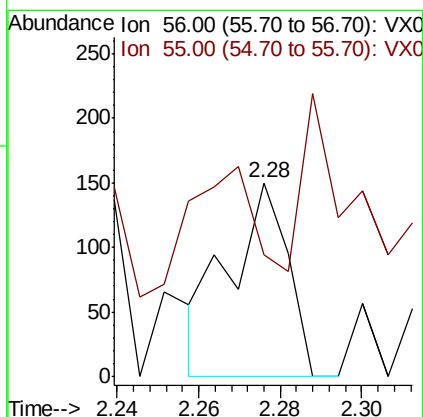
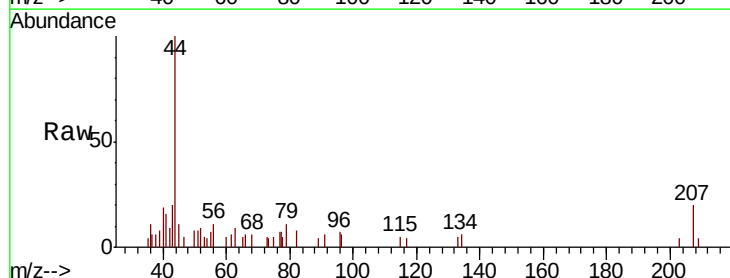
Tot Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

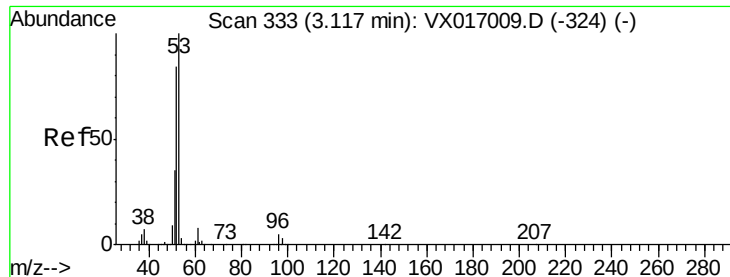


#13

Acrolein
Concen: 0.519 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 169.8 55.7 83.5#





#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20200629

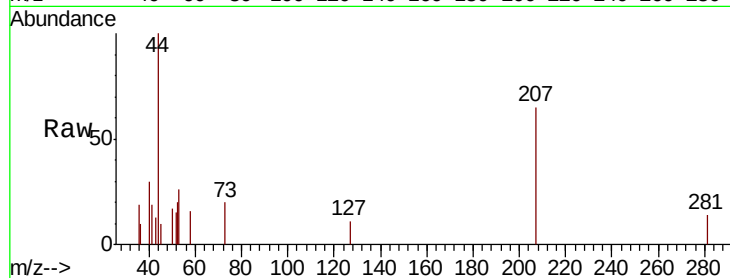
Tot Ion: 53 Resp: 268

Ion Ratio Lower Upper

53 100

52 80.6 65.6 98.4

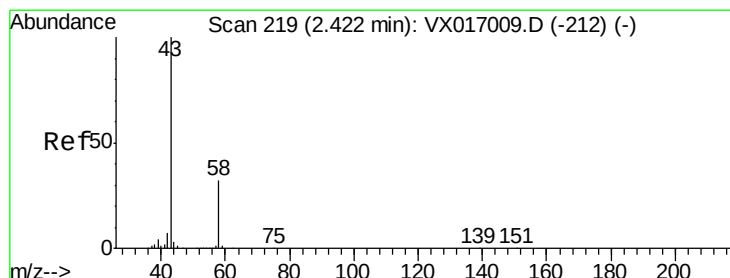
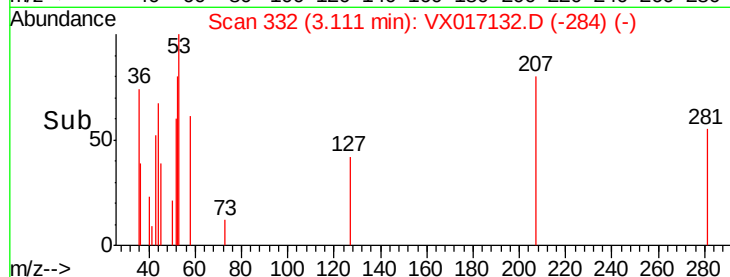
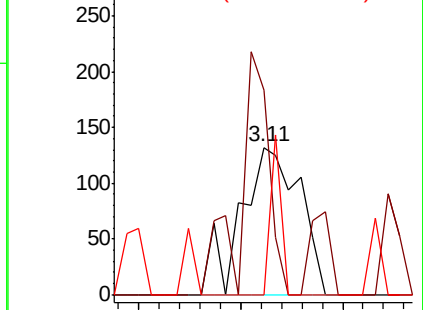
51 19.4 28.3 42.5#



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: 1.649 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017132.D

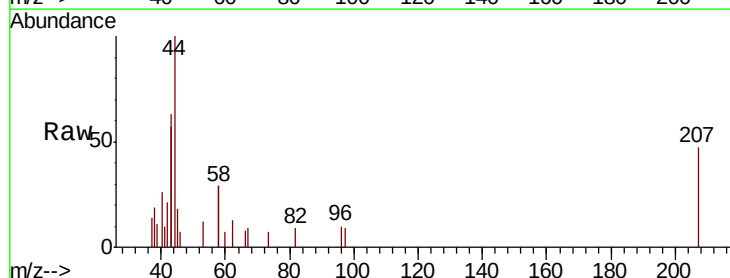
Acq: 02 Jul 2020 04:54

Tgt Ion: 43 Resp: 1552

Ion Ratio Lower Upper

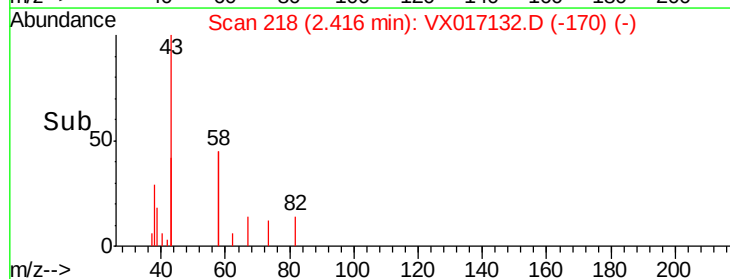
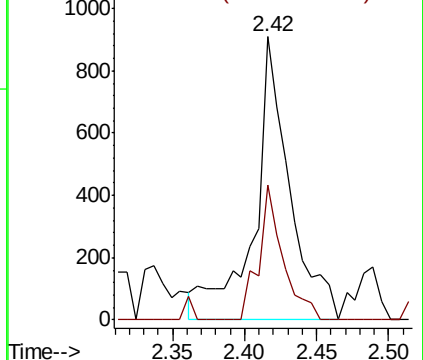
43 100

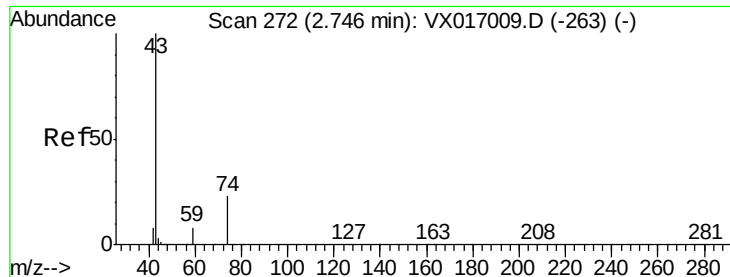
58 47.7 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

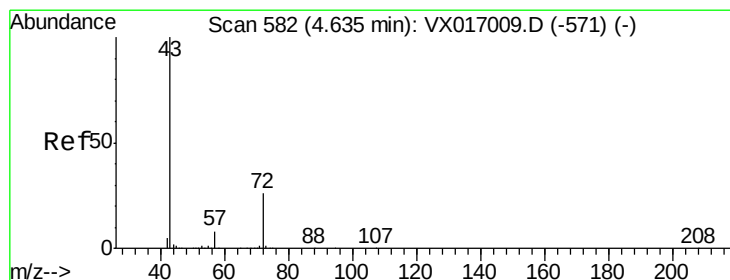
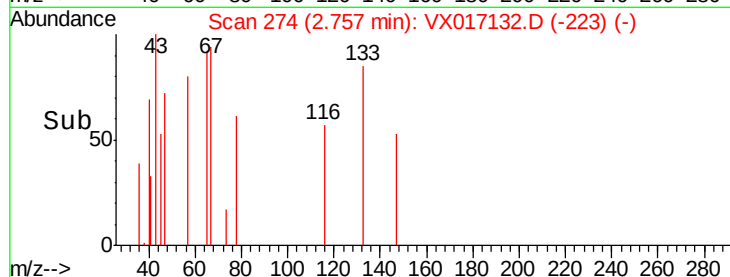
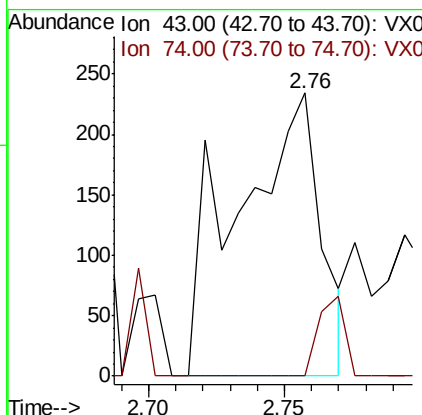
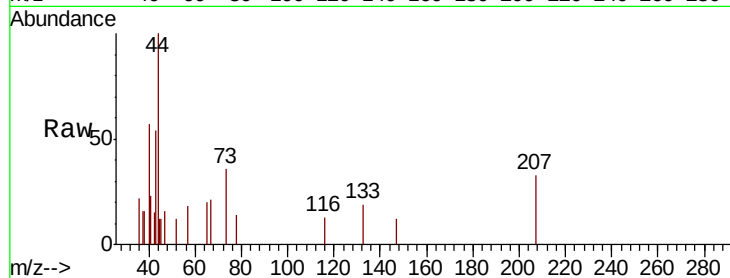




#18
Methvl Acetate
Concen: 0.202 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

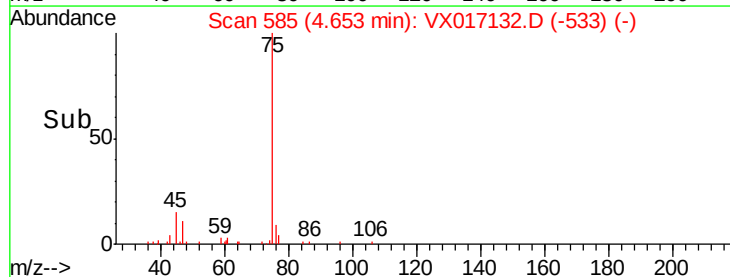
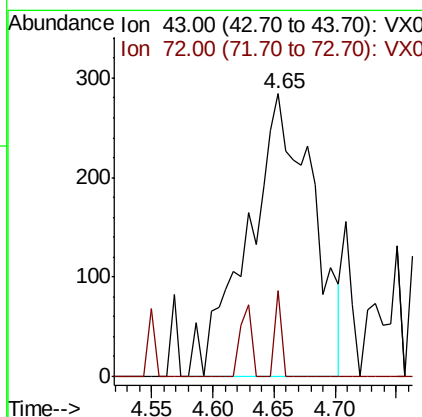
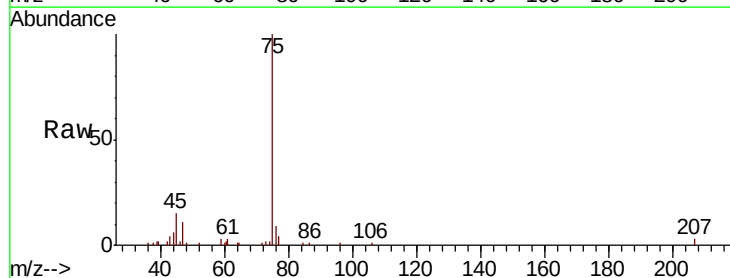
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

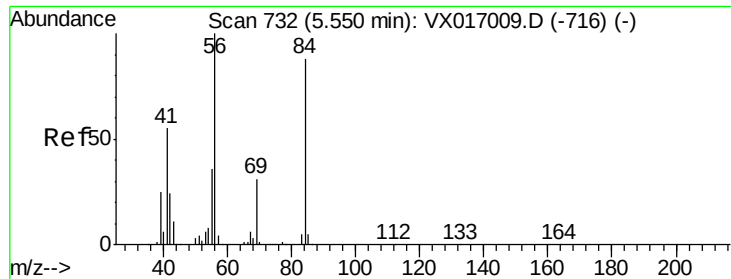
Tot Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
74 8.9 19.3 28.9#



#25
2-Butanone
Concen: 0.669 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
72 30.3 20.8 31.2

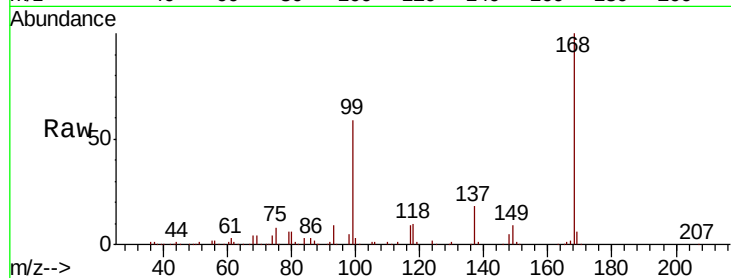




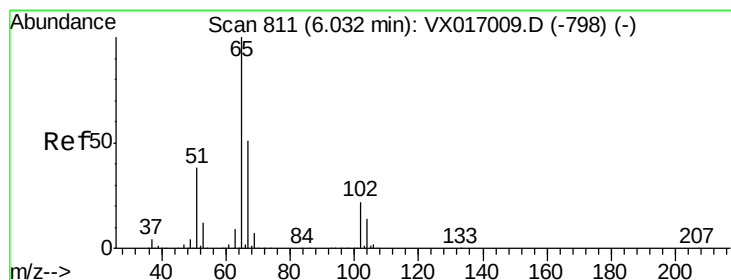
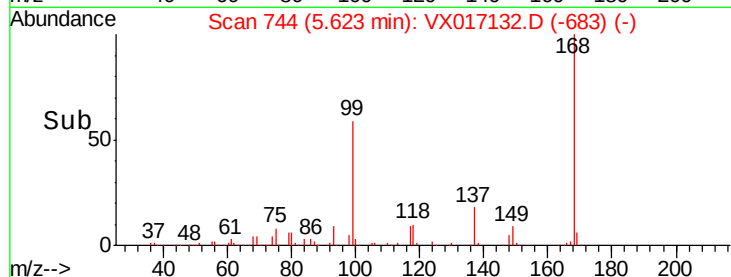
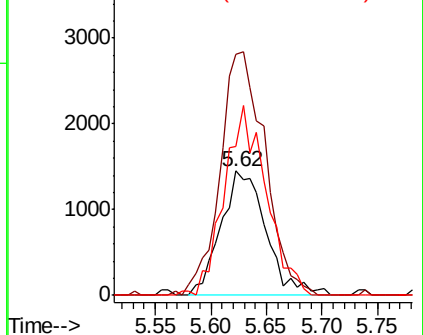
#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

Tot Ion: 56 Resp: 4094
Ion Ratio Lower Upper
56 100
69 193.9 25.0 37.4#
84 120.3 69.1 103.7#

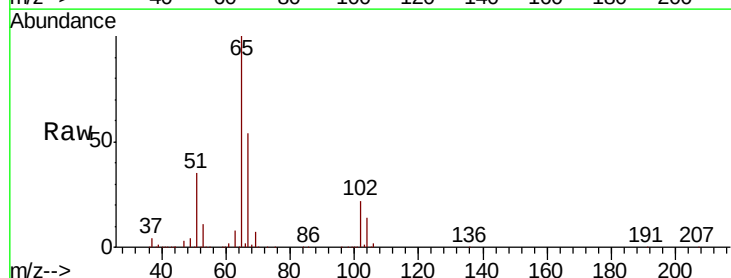


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

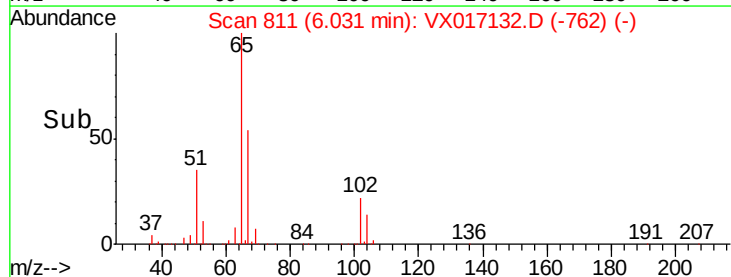
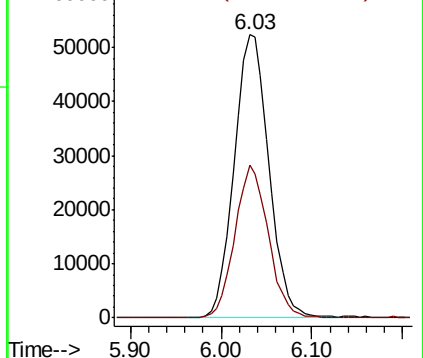


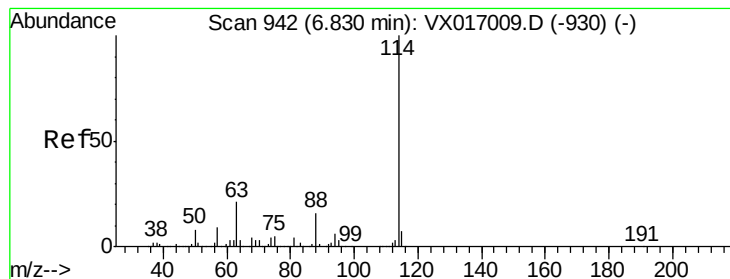
#33
1,2-Dichloroethane-d4
Concen: 55.121 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Tgt Ion: 65 Resp: 138702
Ion Ratio Lower Upper
65 100
67 51.9 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20200629

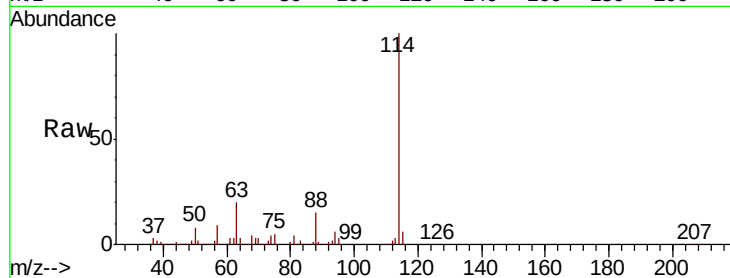
Tot Ion:114 Resp: 350789

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

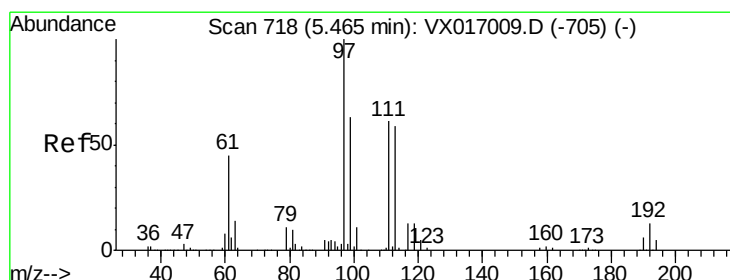
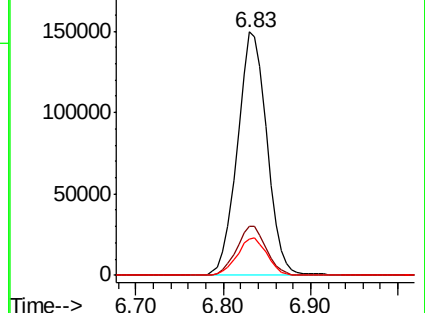
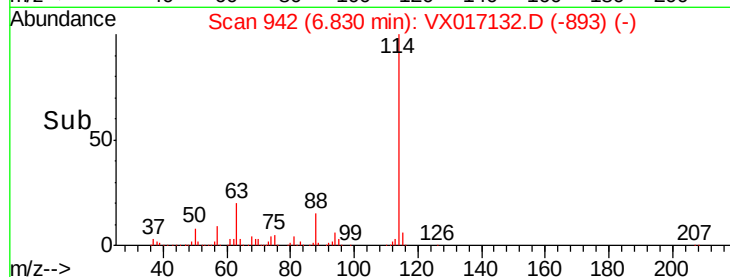
88 15.1 0.0 32.4



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: 53.542 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

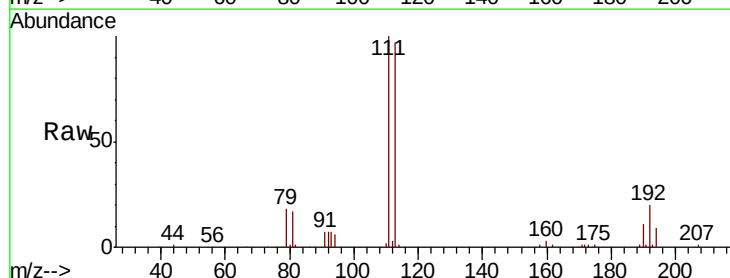
Tgt Ion:113 Resp: 118809

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

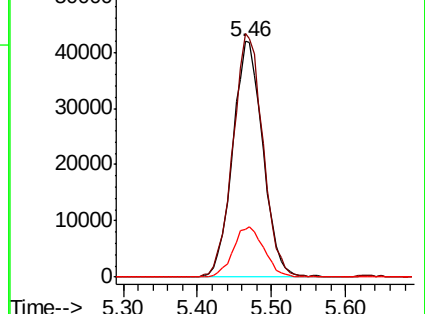
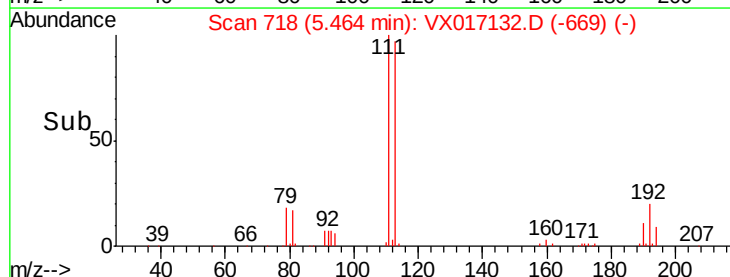
192 21.9 16.7 25.1

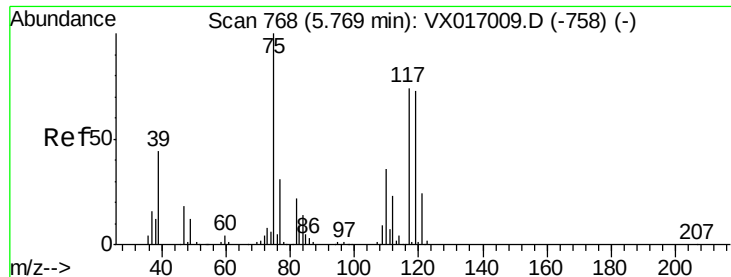


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

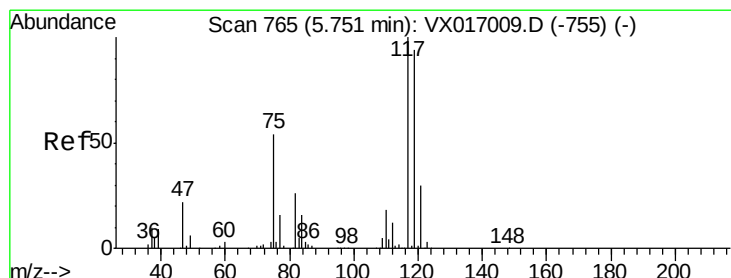
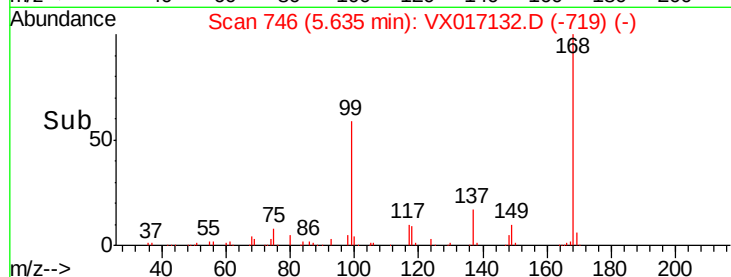
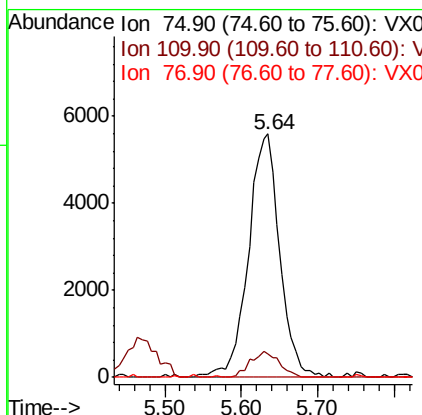
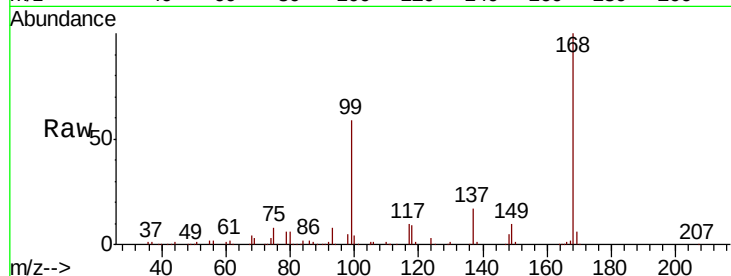




#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017132.D
 Acq: 02 Jul 2020 04:54

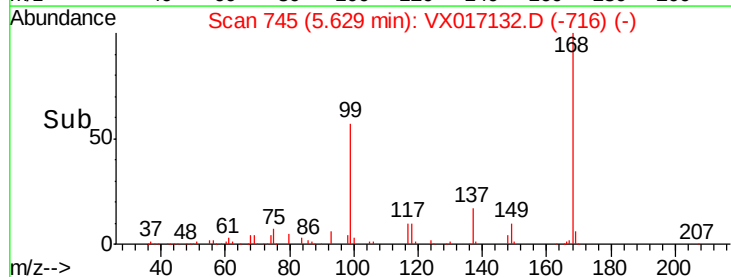
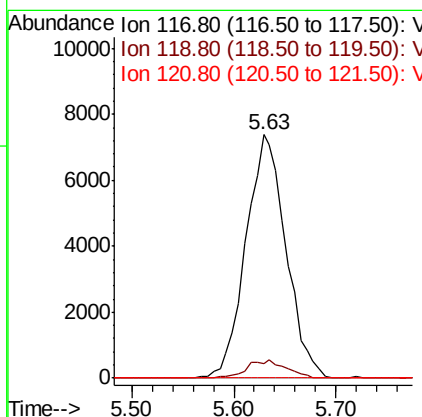
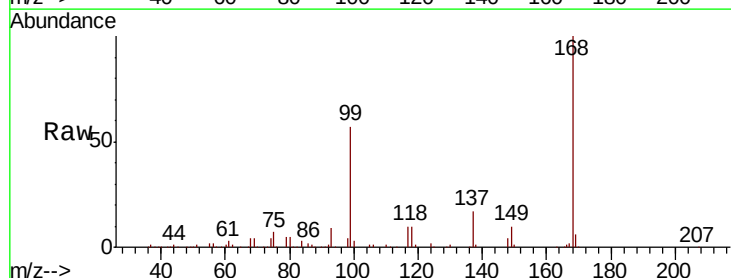
Instrument :
 MSVOA_X
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 DUP05-20200629

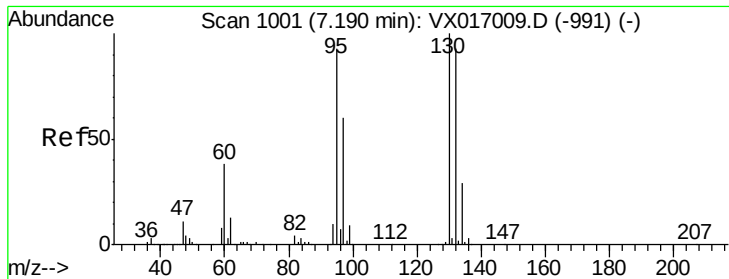
Tot Ion: 75 Resp: 15923
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.506 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017132.D
 Acq: 02 Jul 2020 04:54

Tgt Ion:117 Resp: 20106
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.4 113.0#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Instrument :

MSVOA_X

ClientSampleId :

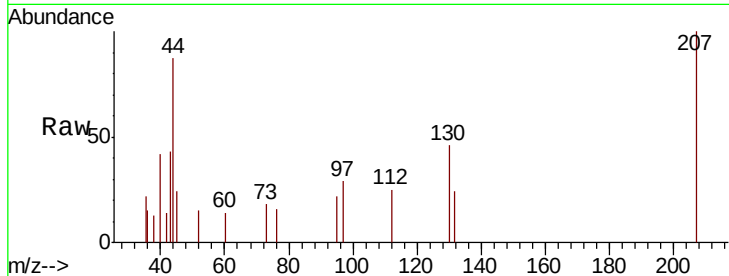
DUP05-20200629

Tot Ion:130 Resp: 247

Ion Ratio Lower Upper

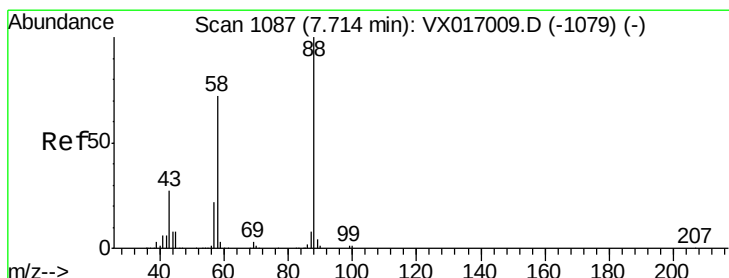
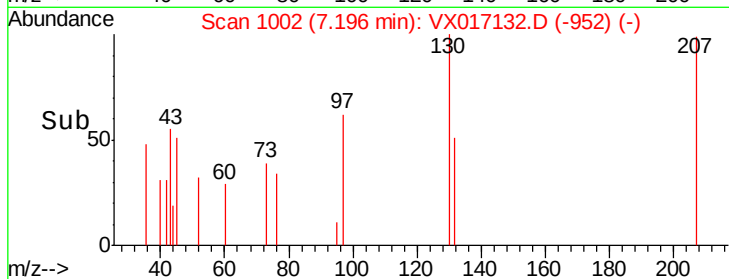
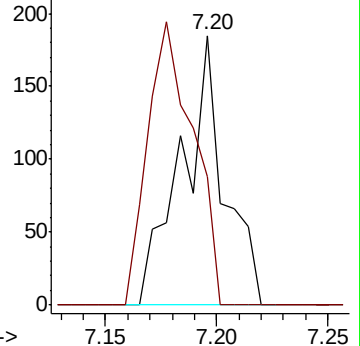
130 100

95 47.6 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.316 ug/l

RT: 7.82 min Scan# 1105

Delta R.T. 0.11 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

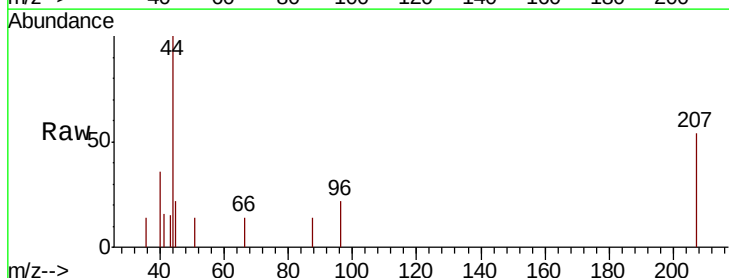
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1057.9 25.8 38.8#

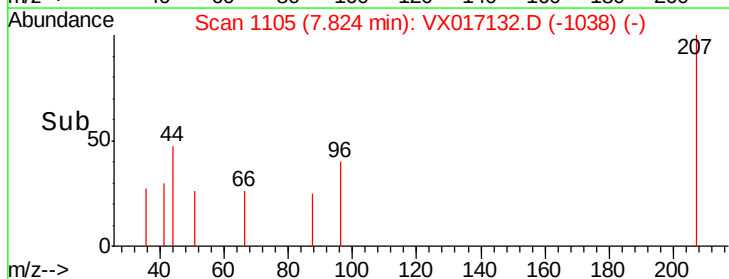
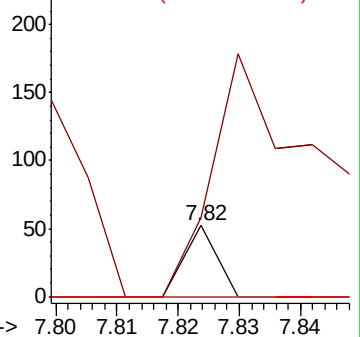
58 0.0 54.8 82.2#

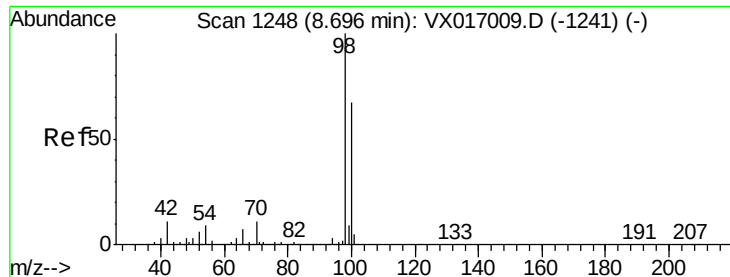


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.129 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Instrument :

MSVOA_X

ClientSampleId :

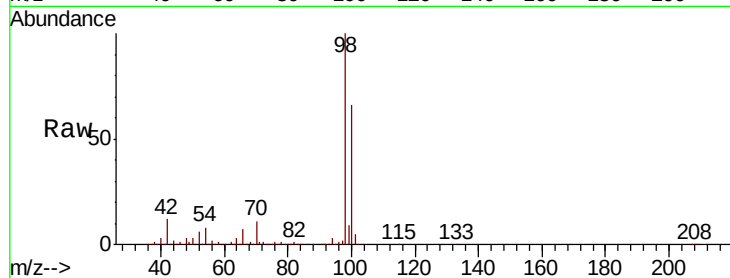
DUP05-20200629

Tot Ion: 98 Resp: 427737

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

8.70

300000

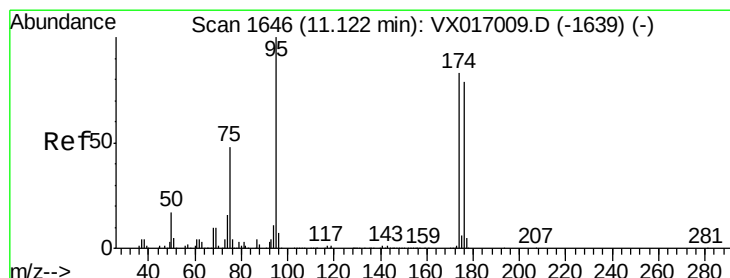
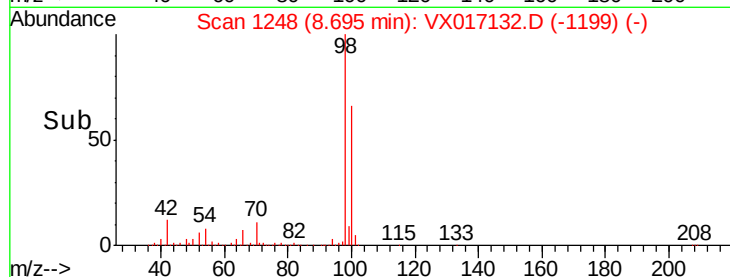
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 56.767 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

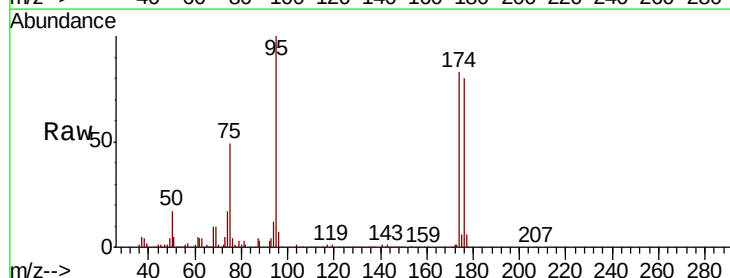
Tgt Ion: 95 Resp: 182085

Ion Ratio Lower Upper

95 100

174 81.5 0.0 164.0

176 80.0 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

200000

150000

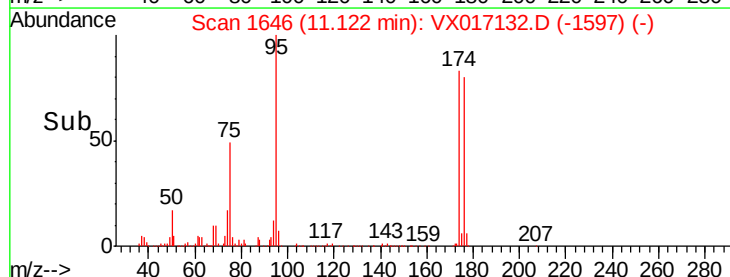
100000

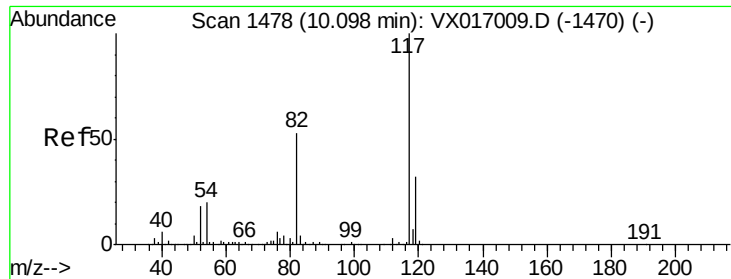
50000

0

Time-->

11.10 11.12 11.20

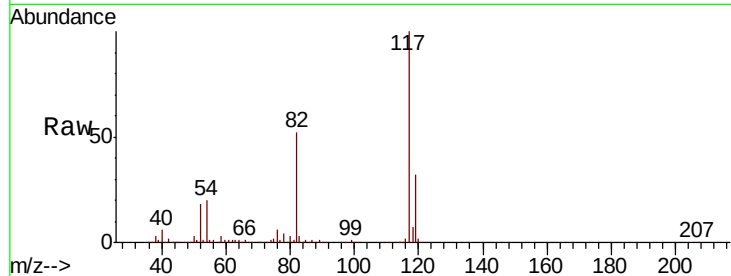




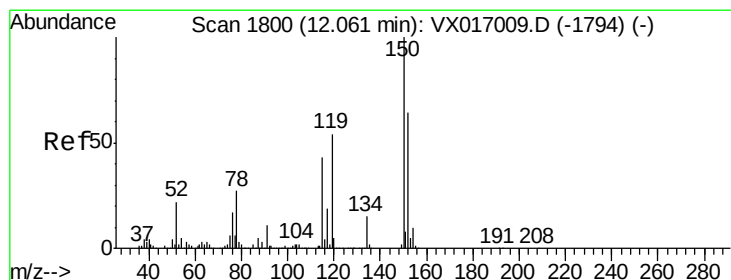
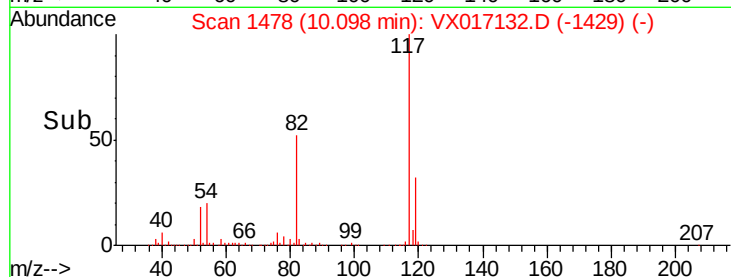
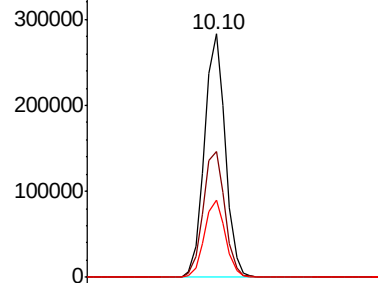
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.6	63.8
119	32.0	25.4	38.2

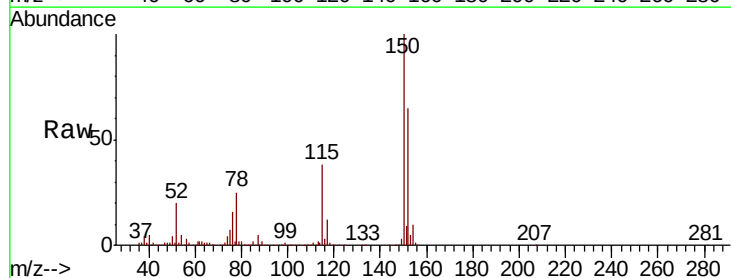


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

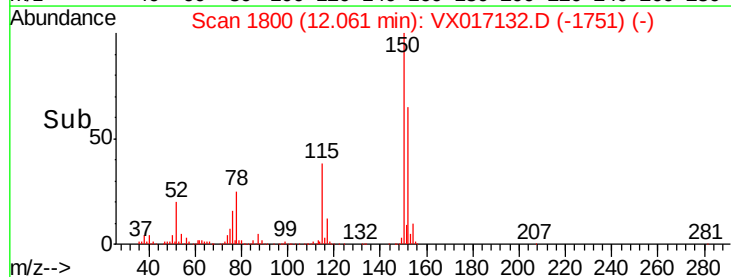
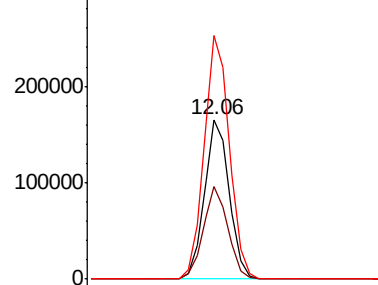


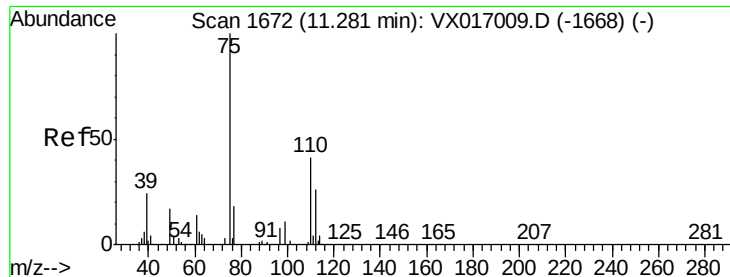
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017132.D
Acq: 02 Jul 2020 04:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	40.9	122.7
150	155.8	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: 22.644 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Instrument :

MSVOA_X

ClientSampleId :

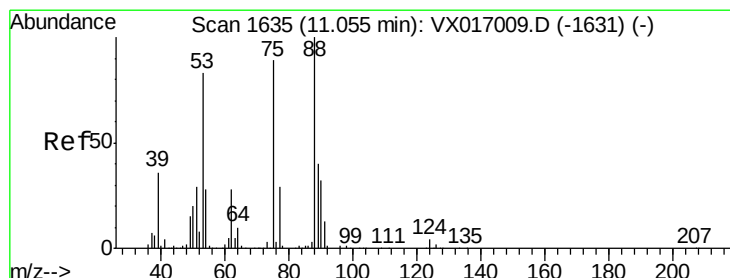
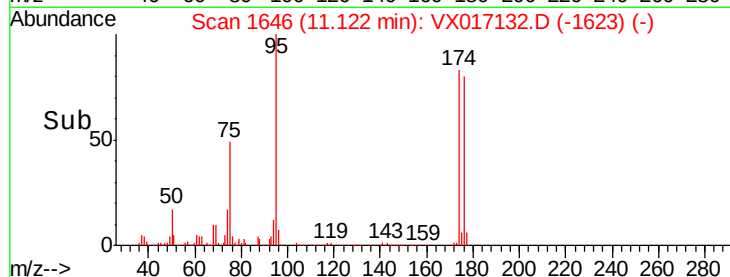
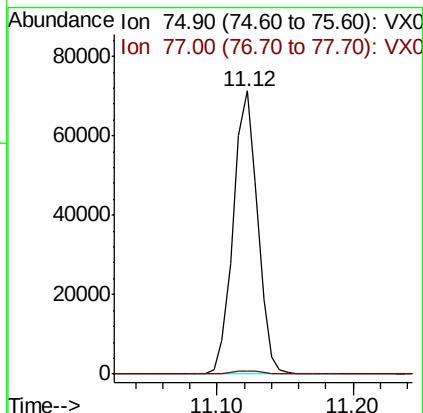
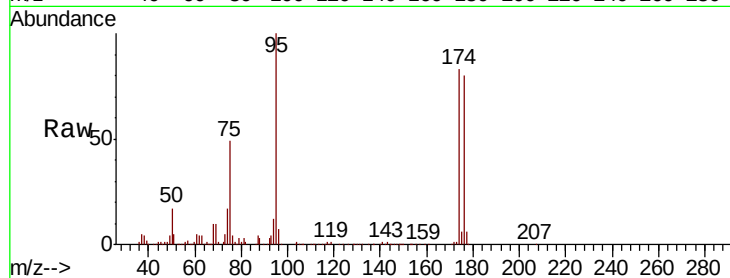
DUP05-20200629

Tot Ion: 75 Resp: 88863

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.639 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017132.D

Acq: 02 Jul 2020 04:54

Tgt Ion: 75 Resp: 88863

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

