

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090920\
 Data File : VX018330.D
 Acq On : 09 Sep 2020 18:31
 Operator : JC/SP
 Sample : L3902-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP01-20200901

Quant Time: Sep 10 07:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	419302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	676530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	643674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317102	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	313234	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
35) Dibromofluoromethane	5.47	113	244195	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	8.70	98	837044	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.12	95	309841	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

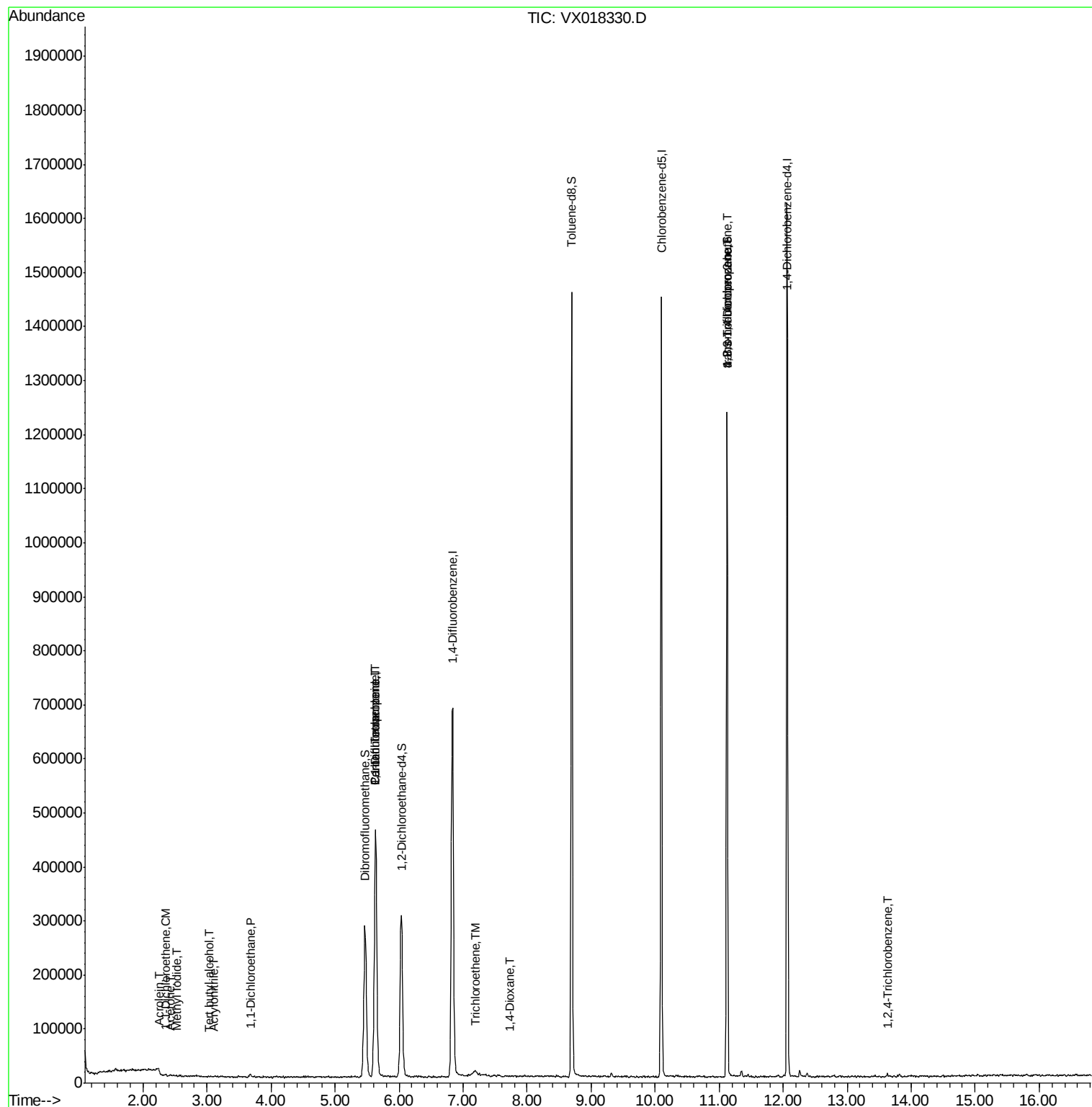
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	188	5.326	ug/l #	42
11) Tert butyl alcohol	3.03	59	468	0.413	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	1643	0.401	ug/l #	45
13) Acrolein	2.26	56	295	0.629	ug/l	85
15) Acrylonitrile	3.10	53	607	0.236	ug/l #	74
16) Acetone	2.43	43	2533	1.117	ug/l	95
20) Methylene Chloride	2.84	84	1003	Below Cal	#	70
24) 1,1-Dichloroethane	3.67	63	4988	0.603	ug/l #	58
36) 1,1-Dichloropropene	5.64	75	32736	5.246	ug/l #	52
38) Carbon Tetrachloride	5.63	117	44647	6.349	ug/l #	17
44) Trichloroethene	7.18	130	1191	0.230	ug/l	71
49) 1,4-Dioxane	7.73	88	144	1.364	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	160094	22.695	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	160094	61.296	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1658	0.260	ug/l	87

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018330.D

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MSVOA_X

ClientSampleId :

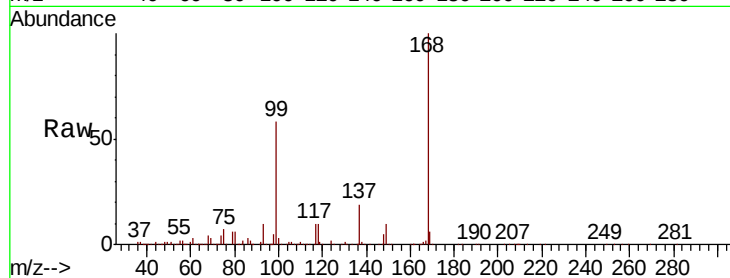
SA-DUP01-20200901

Tot Ion:168 Resp: 419302

Ion Ratio Lower Upper

168 100

99 57.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

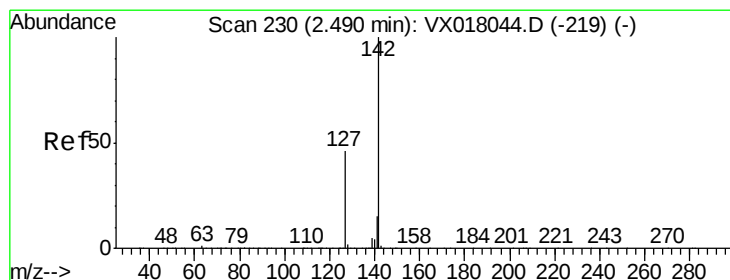
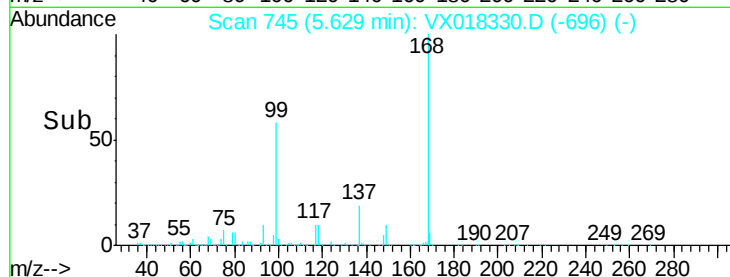
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.326 ug/l

RT: 2.51 min Scan# 234

Delta R.T. 0.02 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

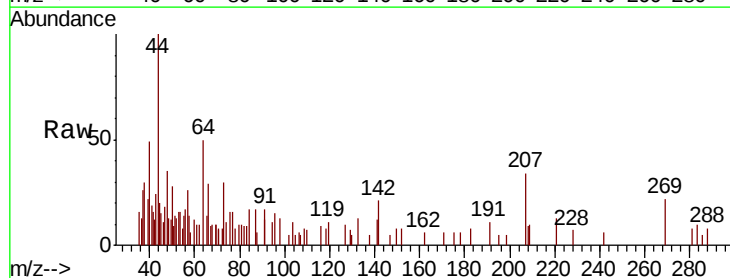
Tgt Ion:142 Resp: 188

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 22.9 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

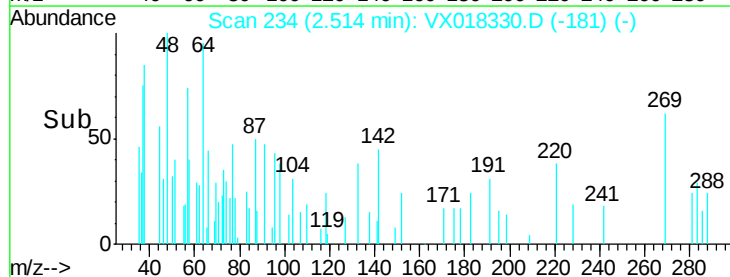
300

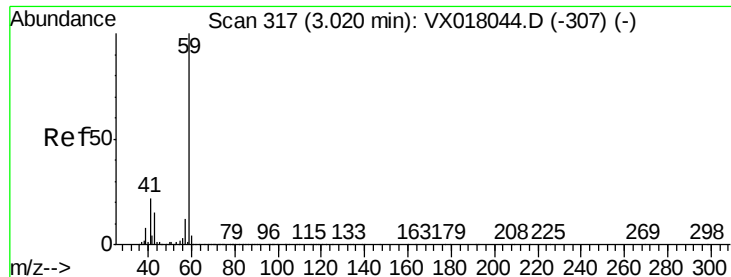
200

100

0

Time-->



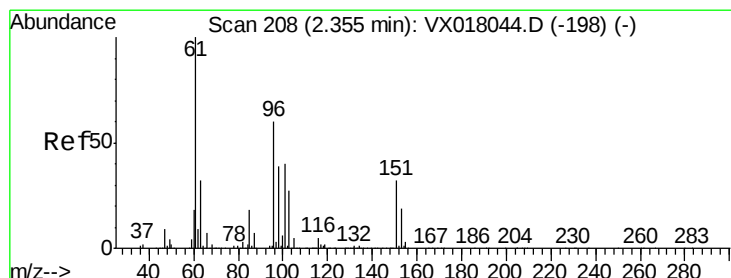
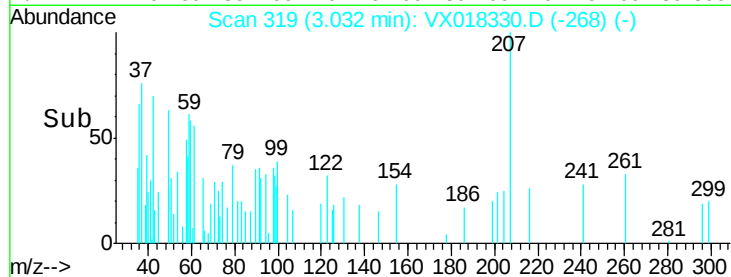
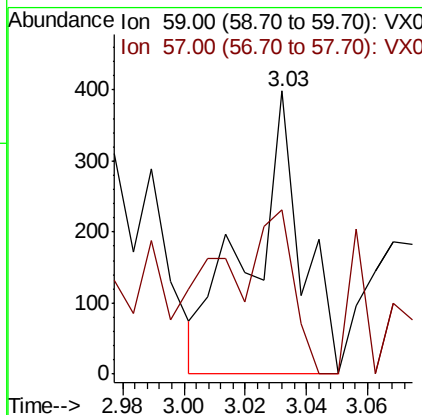
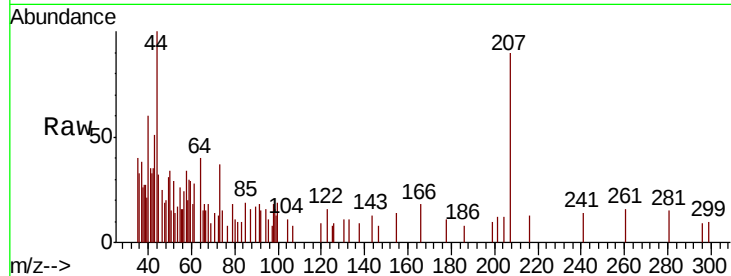


#11

Tert butyl alcohol
Concen: 0.413 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX018330.D
Acq: 09 Sep 2020 18:31

Instrument :
MSVOA_X
ClientSampleId :
SA-DUP01-20200901

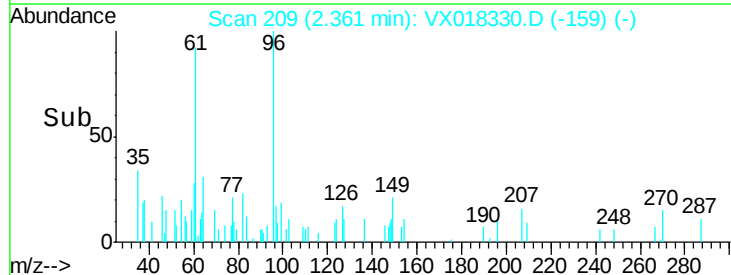
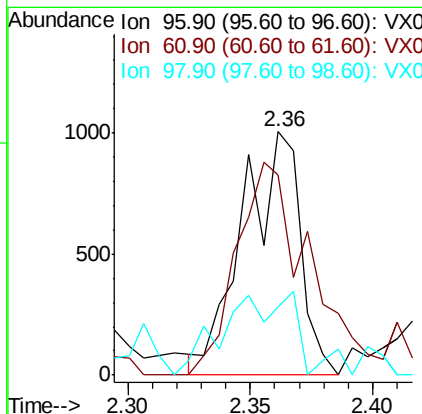
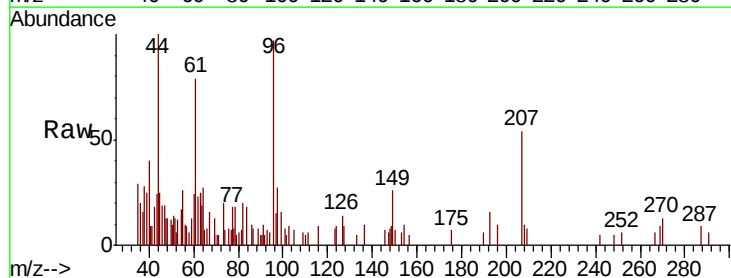
Tot Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 82.5 8.9 13.3#

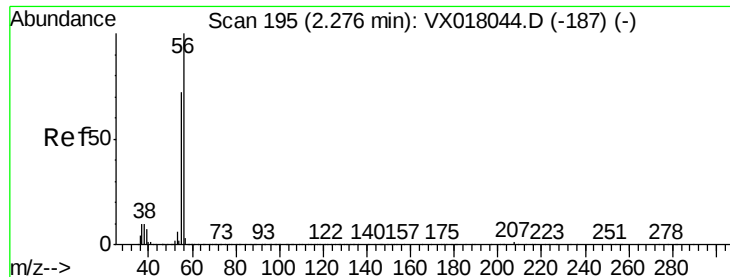


#12

1,1-Dichloroethene
Concen: 0.401 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX018330.D
Acq: 09 Sep 2020 18:31

Tgt Ion: 96 Resp: 1643
Ion Ratio Lower Upper
96 100
61 89.4 133.0 199.4#
98 23.8 51.6 77.4#





#13

Acrolein

Concen: 0.629 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.02 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

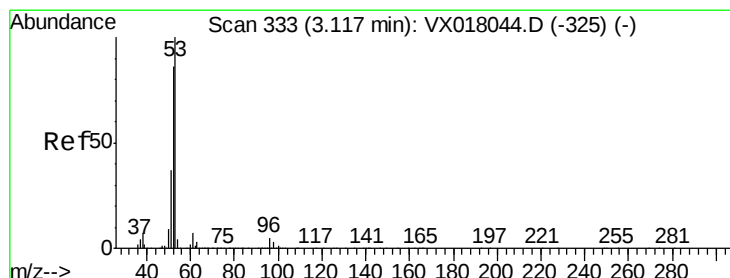
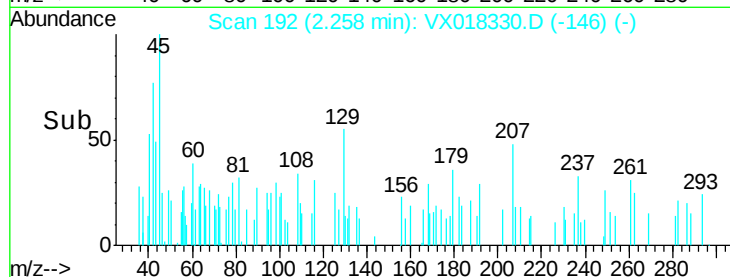
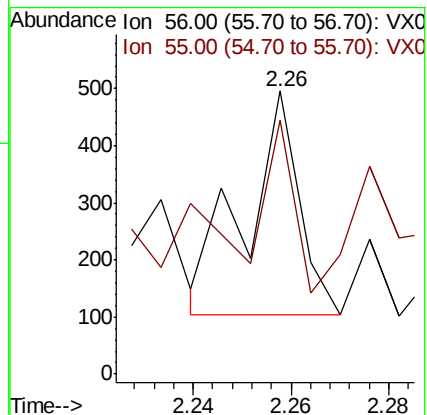
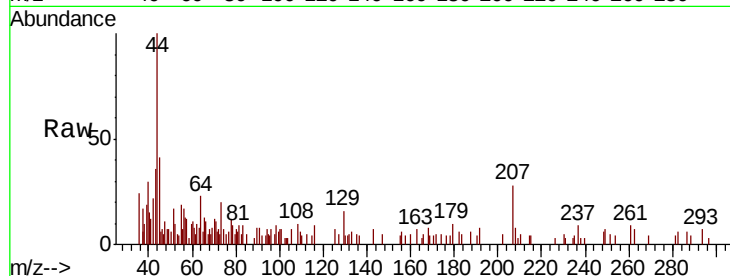
SA-DUP01-20200901

Tot Ion: 56 Resp: 295

Ion Ratio Lower Upper

56 100

55 83.7 57.0 85.6



#15

Acrylonitrile

Concen: 0.236 ug/l

RT: 3.10 min Scan# 330

Delta R.T. -0.02 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

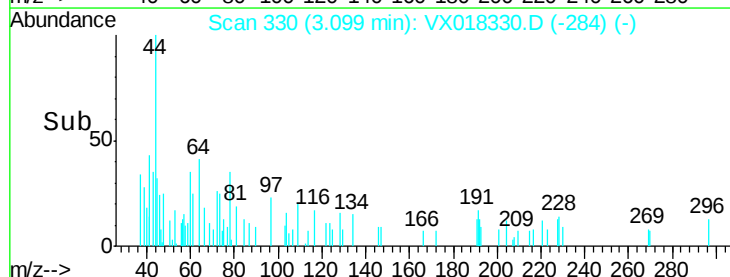
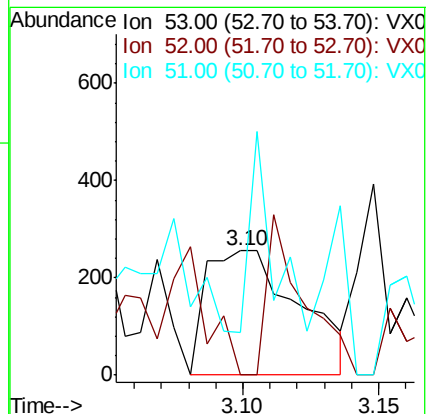
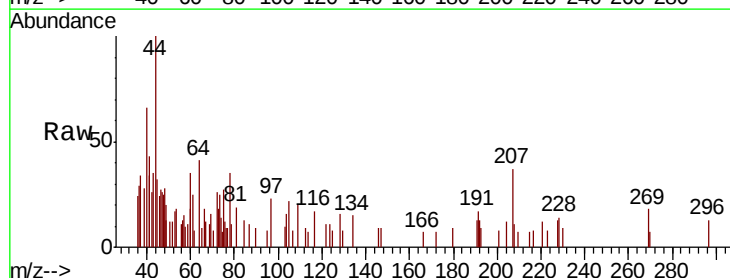
Tgt Ion: 53 Resp: 607

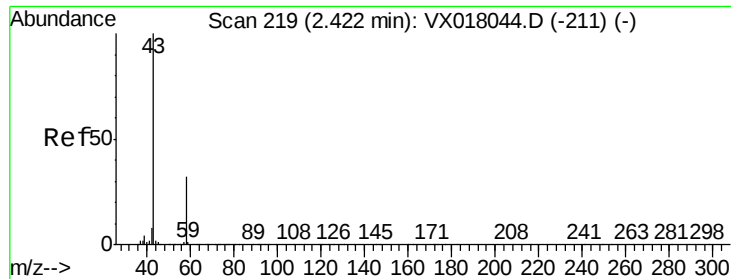
Ion Ratio Lower Upper

53 100

52 51.7 66.9 100.3#

51 38.2 28.7 43.1

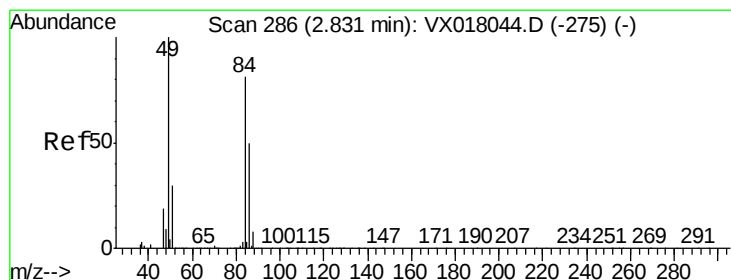
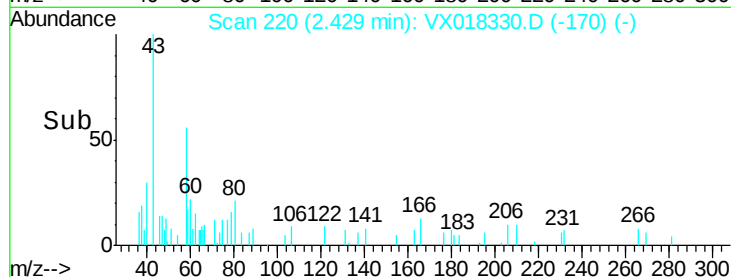
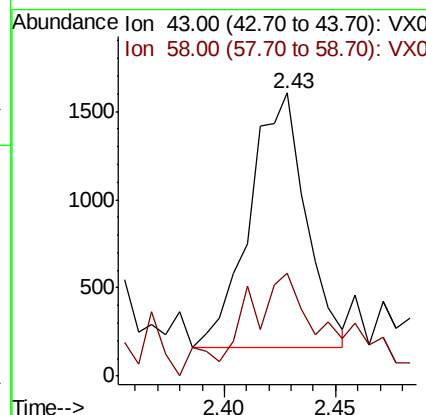
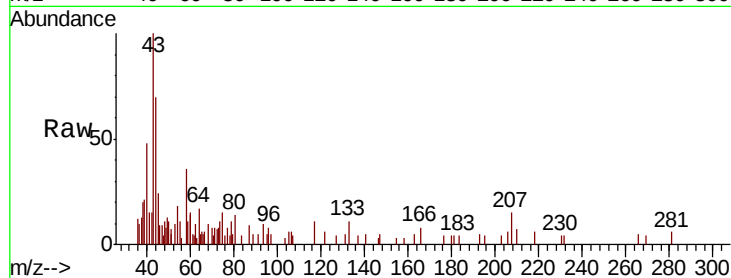




#16
Acetone
Concen: 1.117 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018330.D
Acq: 09 Sep 2020 18:31

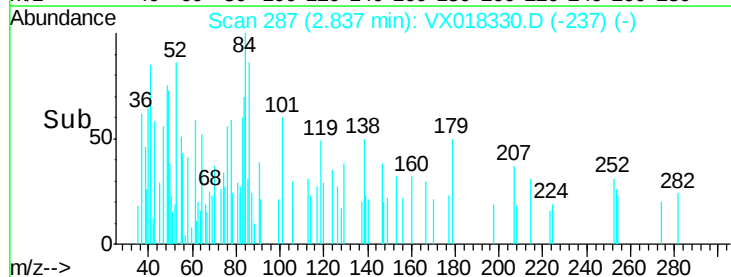
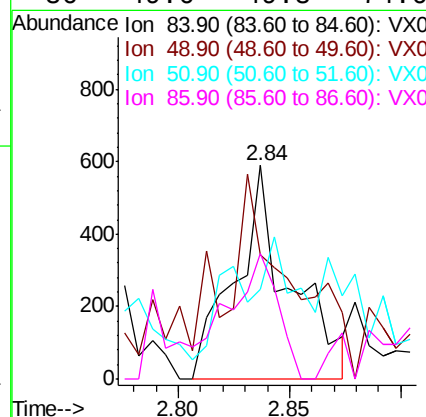
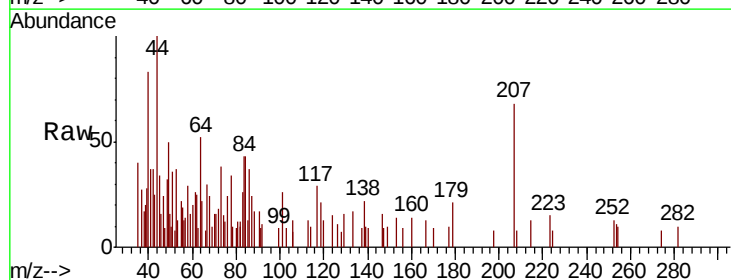
Instrument :
MSVOA_X
ClientSampleId :
SA-DUP01-20200901

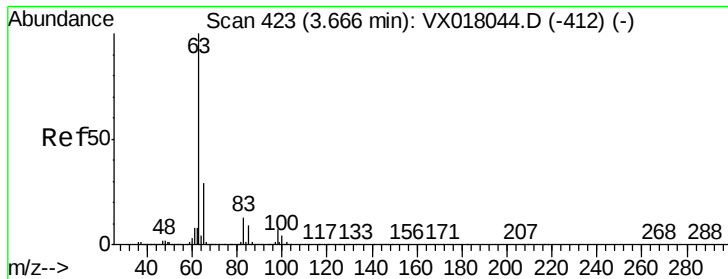
Tot Ion: 43 Resp: 2533
Ion Ratio Lower Upper
43 100
58 29.4 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018330.D
Acq: 09 Sep 2020 18:31

Tgt Ion: 84 Resp: 1003
Ion Ratio Lower Upper
84 100
49 72.1 98.6 148.0#
51 37.2 29.6 44.4
86 49.6 49.8 74.6#





#24

1,1-Dichloroethane

Concen: 0.603 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20200901

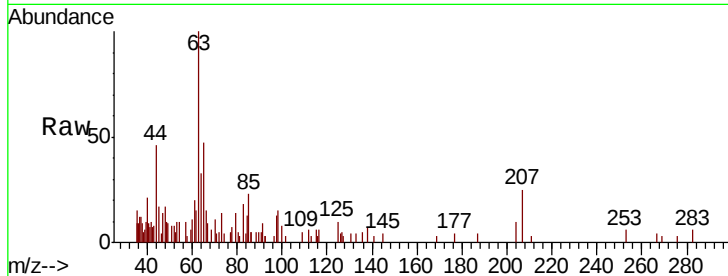
Tot Ion: 63 Resp: 4988

Ion Ratio Lower Upper

63 100

98 28.7 3.6 10.8#

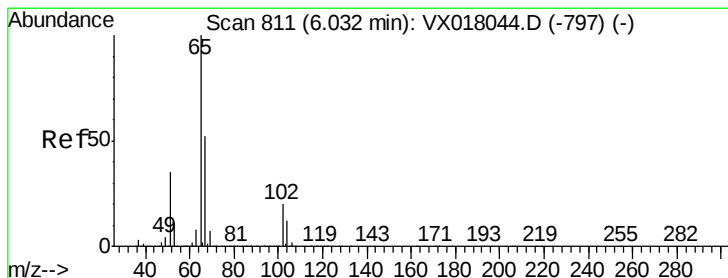
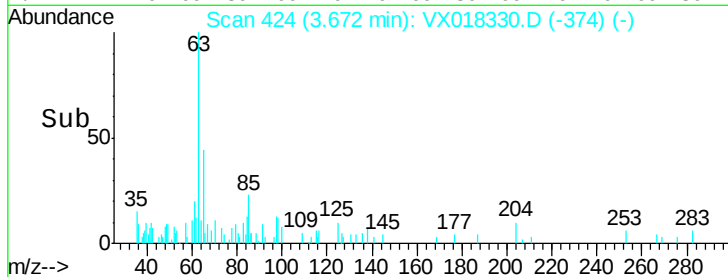
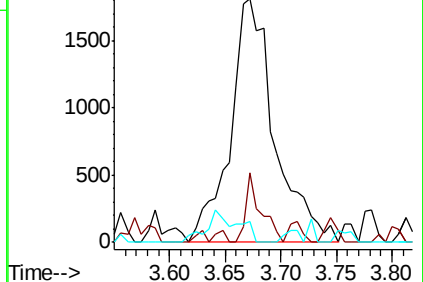
100 5.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.811 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018330.D

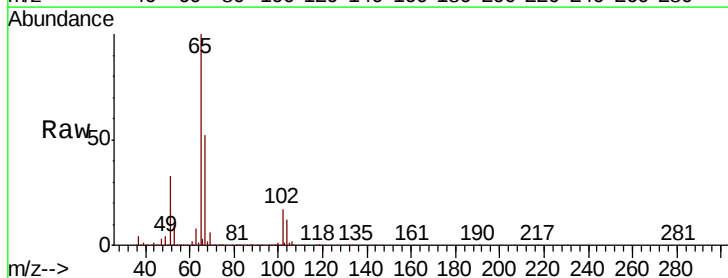
Acq: 09 Sep 2020 18:31

Tgt Ion: 65 Resp: 313234

Ion Ratio Lower Upper

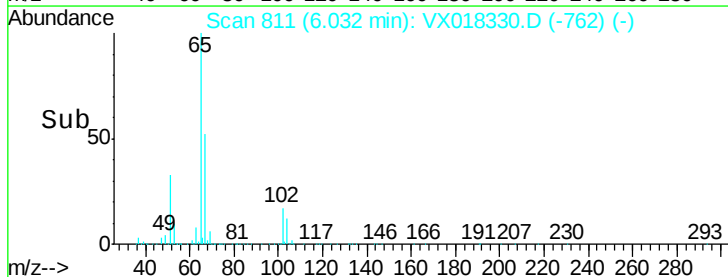
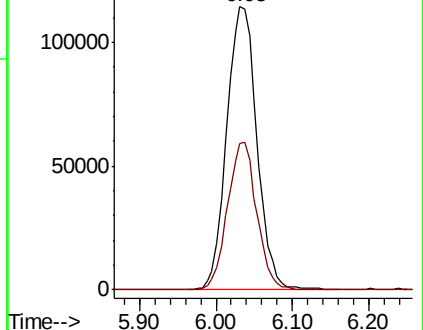
65 100

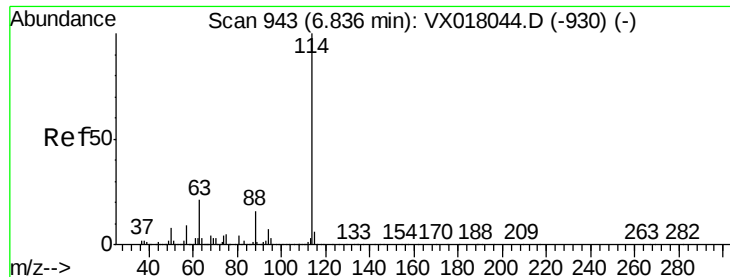
67 50.5 0.0 105.8



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. -0.00 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP01-20200901

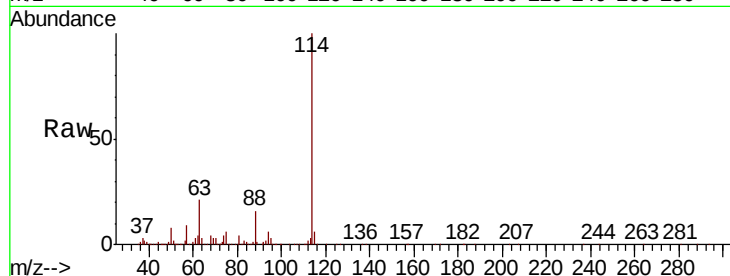
Tot Ion:114 Resp: 676530

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

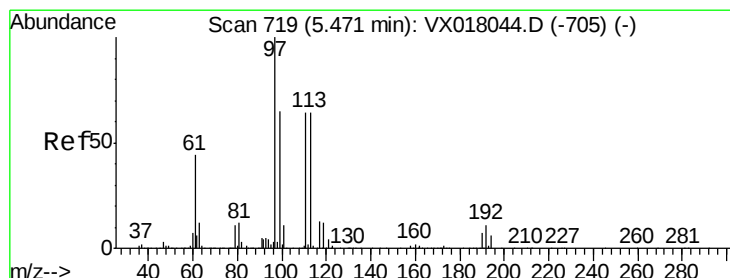
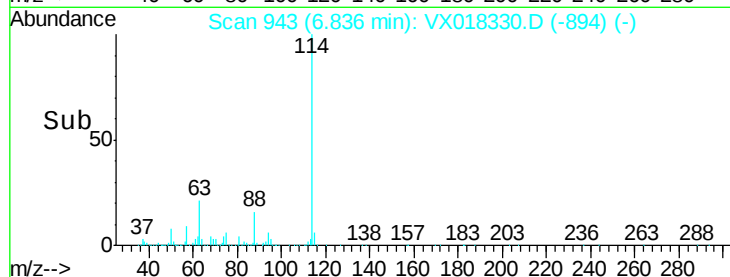
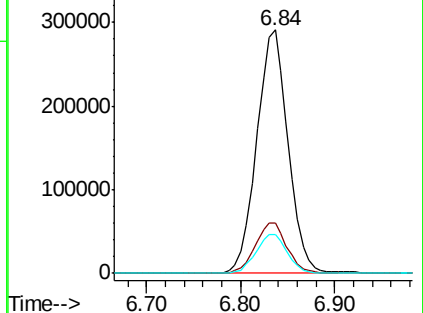
88 15.9 0.0 31.8



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: 52.999 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

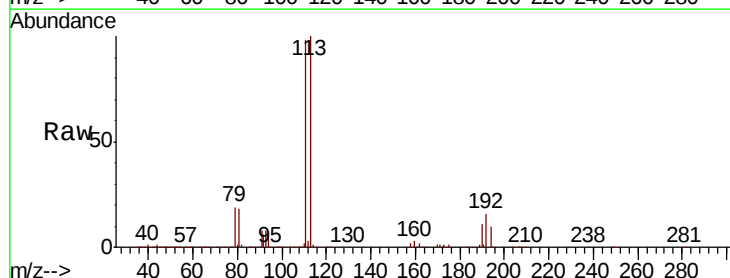
Tgt Ion:113 Resp: 244195

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

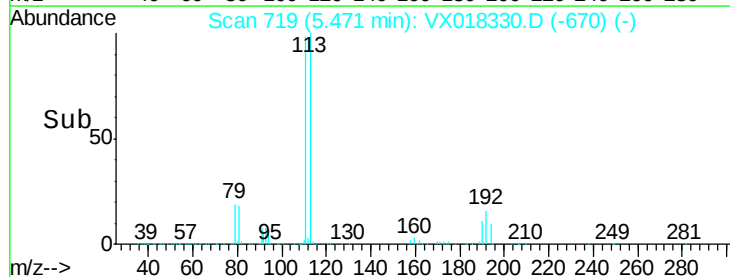
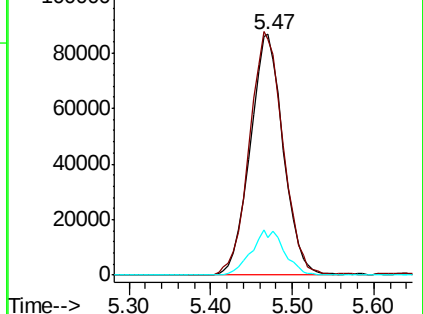
192 18.6 15.8 23.8

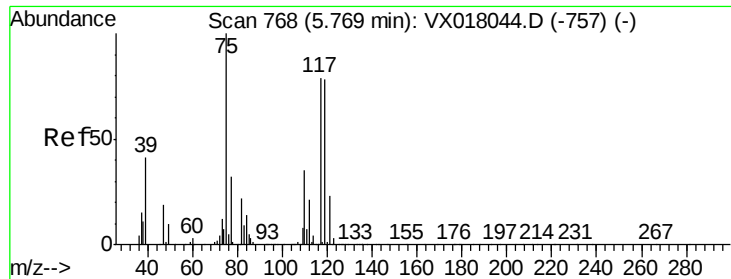


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

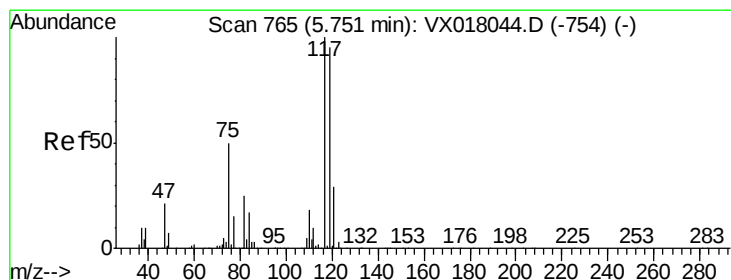
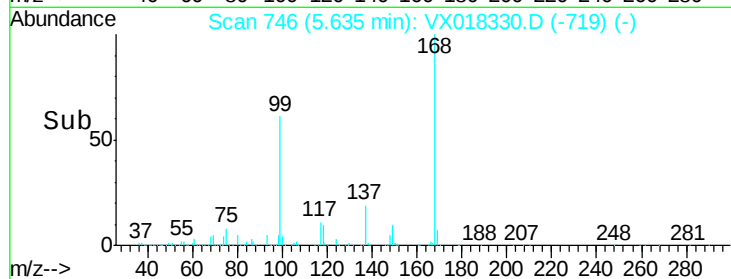
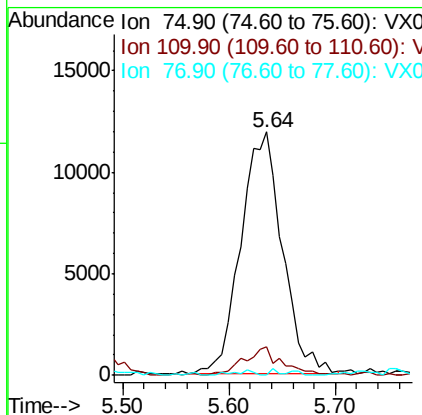
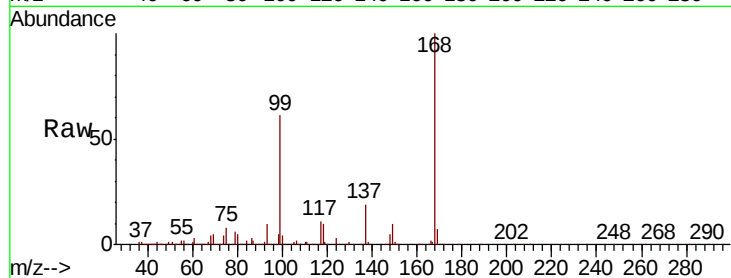




#36
 1,1-Dichloropropene
 Concen: 5.246 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018330.D
 Acq: 09 Sep 2020 18:31

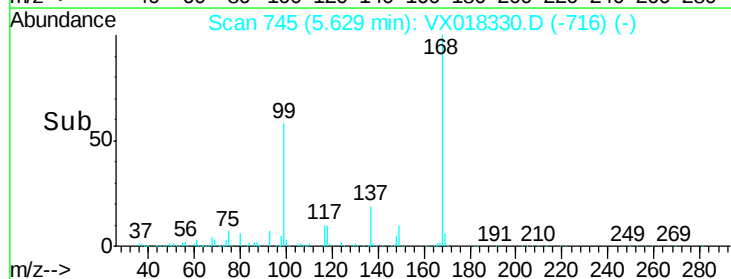
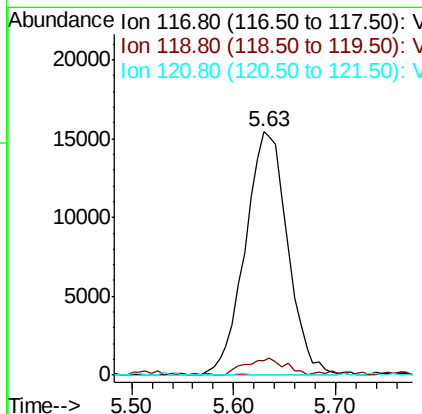
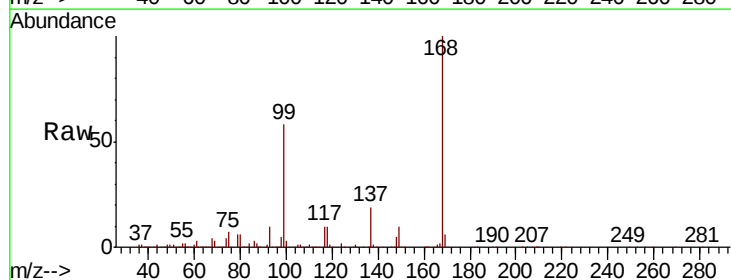
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 SA-DUP01-20200901

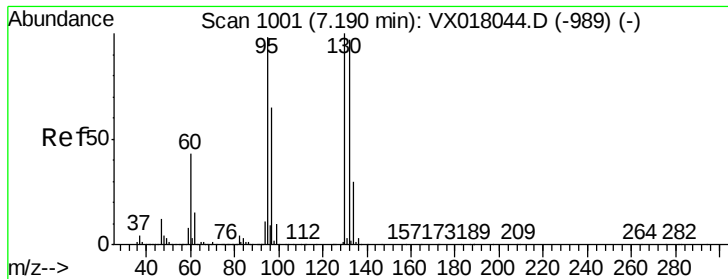
Tot Ion: 75 Resp: 32736
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.0 54.0#
 77 0.6 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.349 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018330.D
 Acq: 09 Sep 2020 18:31

Tgt Ion: 117 Resp: 44647
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.8 113.6#
 121 0.0 23.4 35.0#





#44

Trichloroethene

Concen: 0.230 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

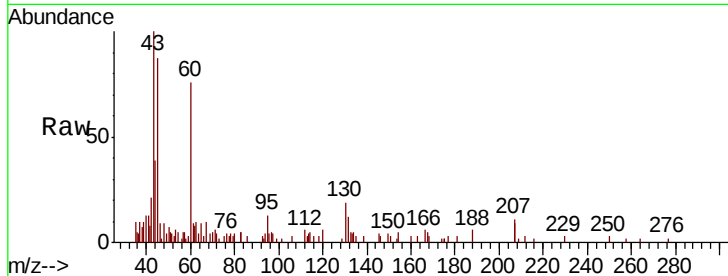
SA-DUP01-20200901

Tot Ion:130 Resp: 1191

Ion Ratio Lower Upper

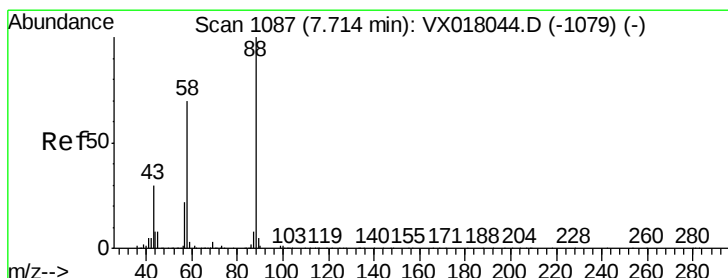
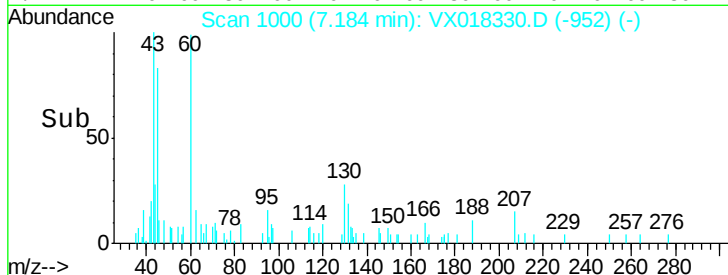
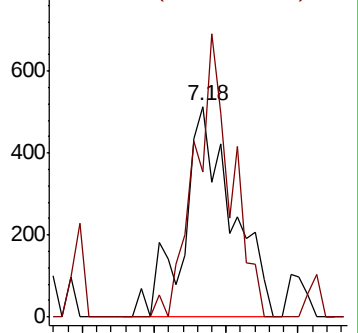
130 100

95 69.2 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.364 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

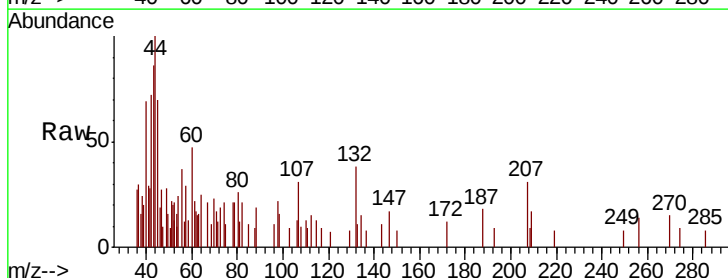
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 150.7 27.4 41.0#

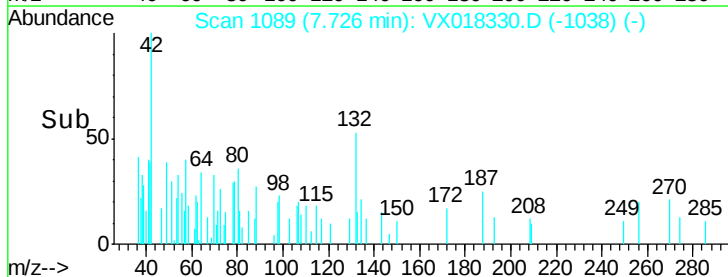
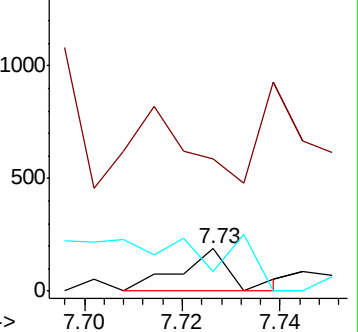
58 0.0 56.4 84.6#

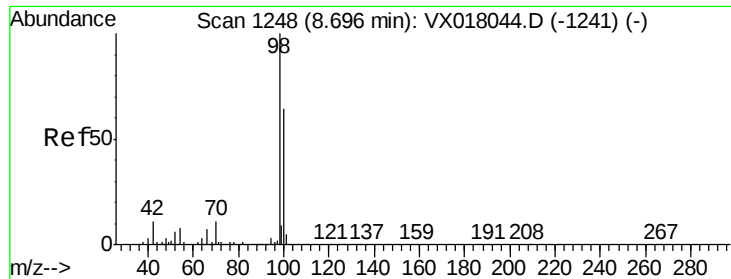


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.776 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

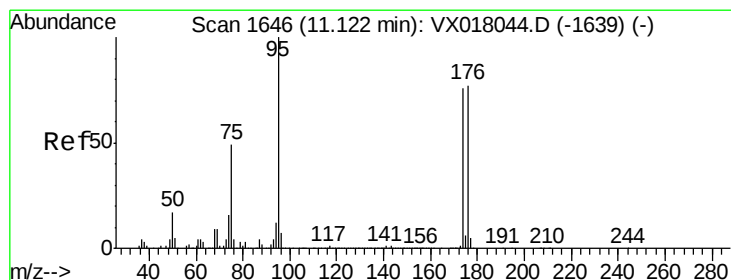
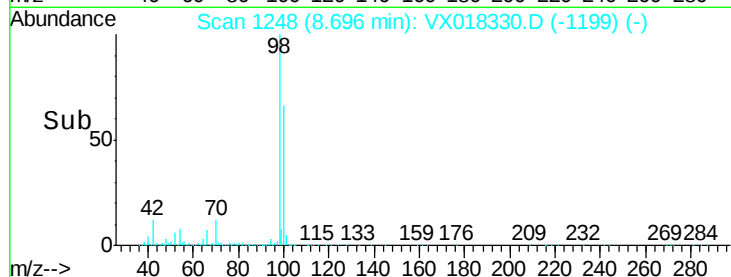
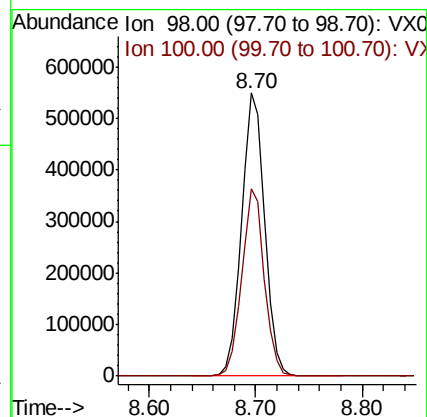
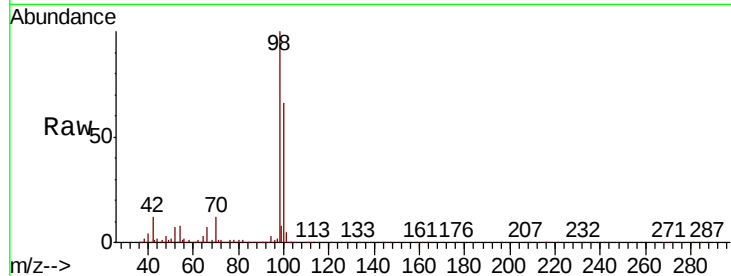
SA-DUP01-20200901

Tot Ion: 98 Resp: 837044

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.890 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

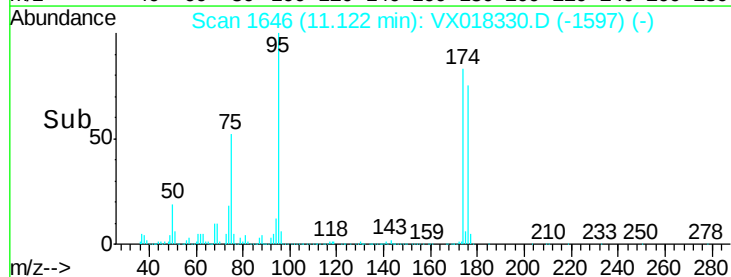
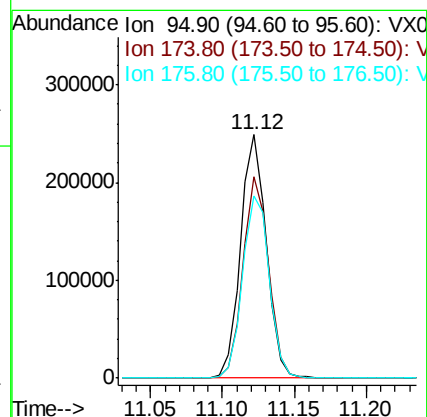
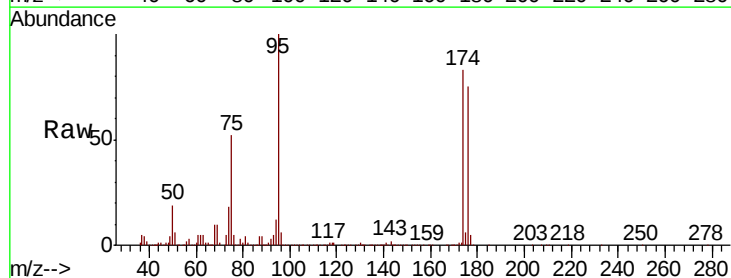
Tgt Ion: 95 Resp: 309841

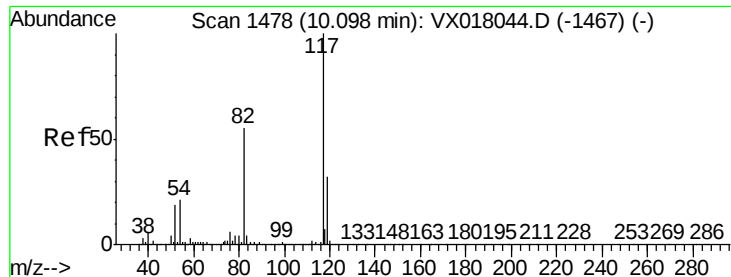
Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.2

176 77.8 0.0 155.8

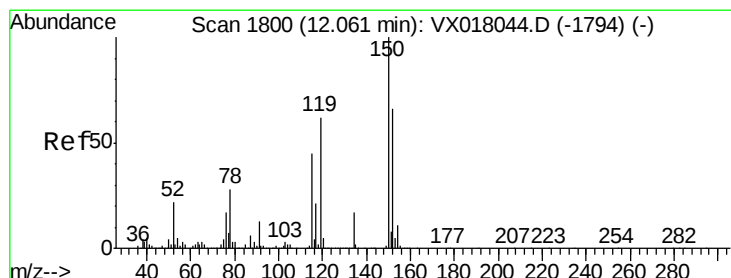
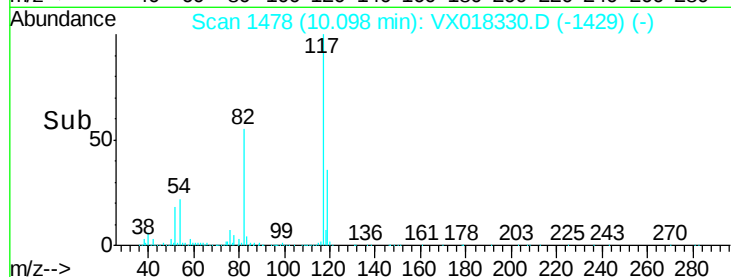
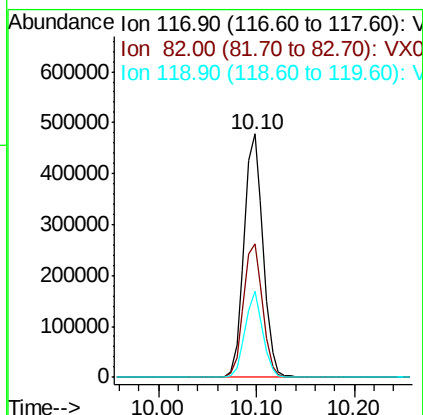
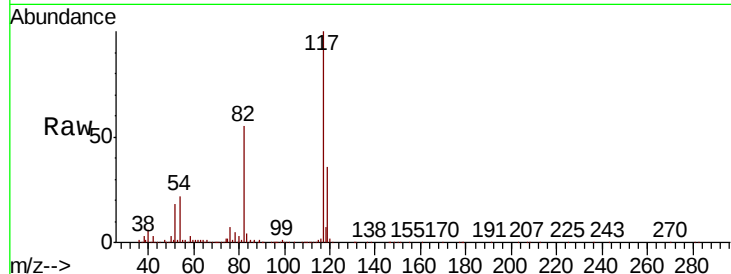




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018330.D
Acq: 09 Sep 2020 18:31

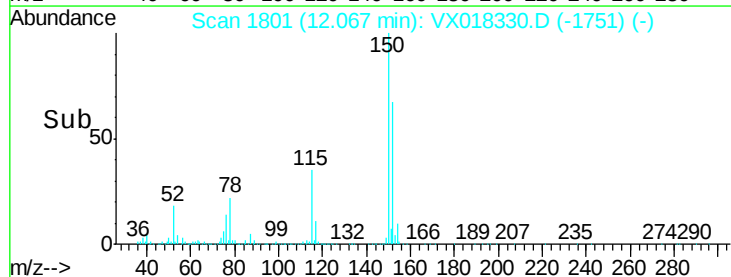
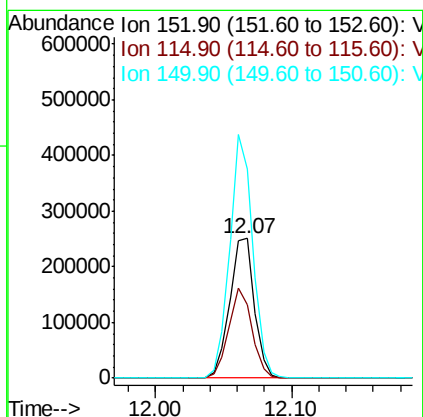
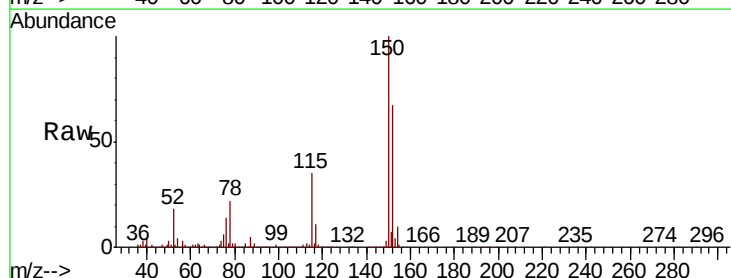
Instrument :
MSVOA_X
ClientSampleId :
SA-DUP01-20200901

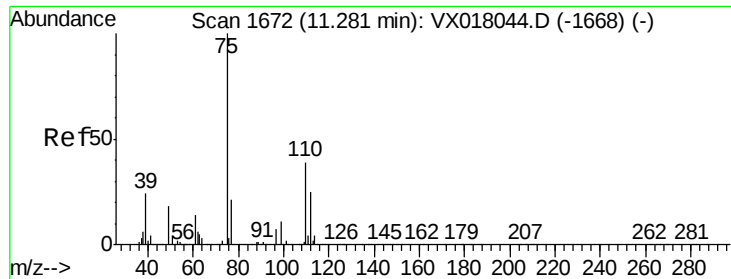
Tot Ion:117 Resp: 643674
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 35.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018330.D
Acq: 09 Sep 2020 18:31

Tgt Ion:152 Resp: 317102
Ion Ratio Lower Upper
152 100
115 60.7 41.5 124.5
150 162.0 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.695 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

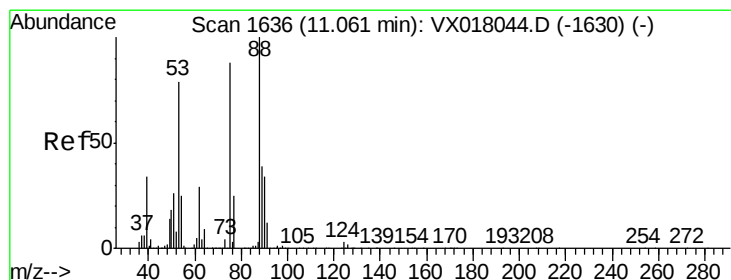
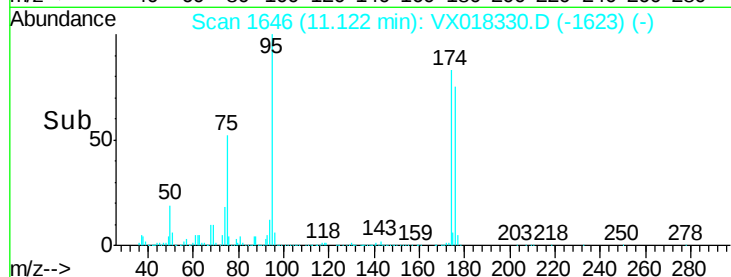
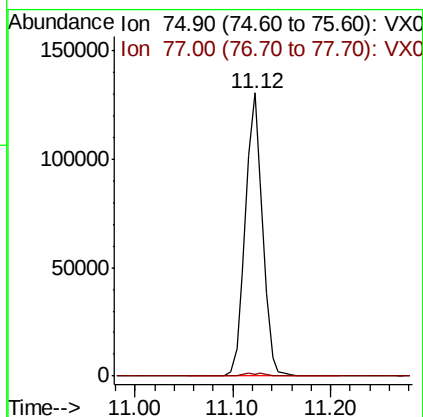
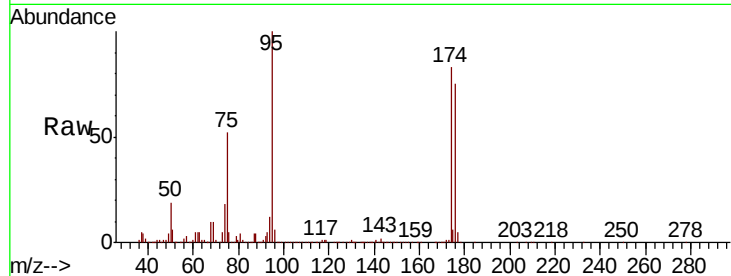
SA-DUP01-20200901

Tot Ion: 75 Resp: 160094

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.296 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018330.D

Acq: 09 Sep 2020 18:31

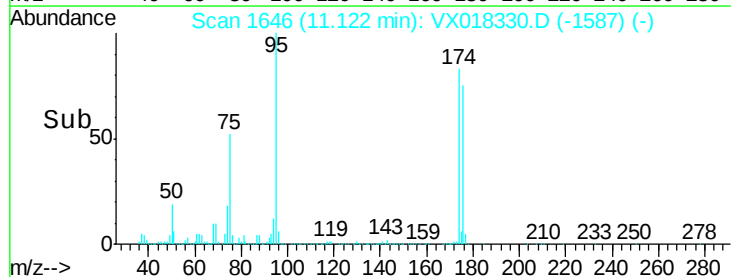
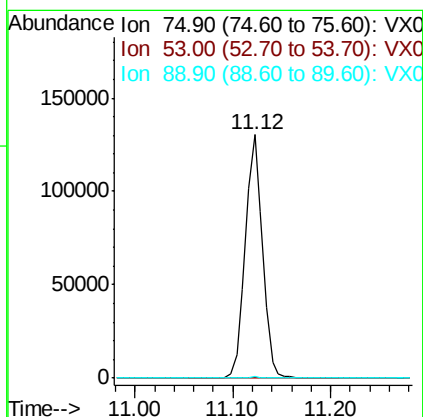
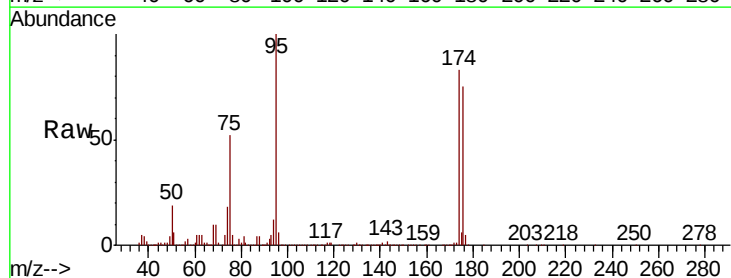
Tgt Ion: 75 Resp: 160094

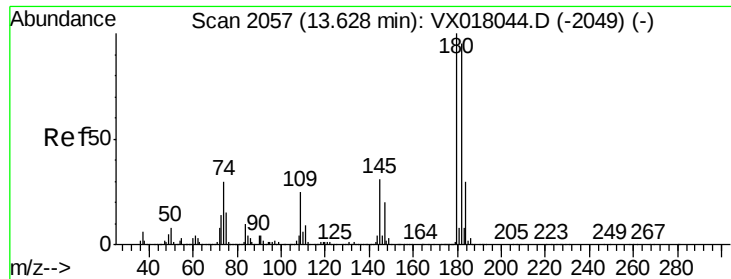
Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.2 36.6 54.8#

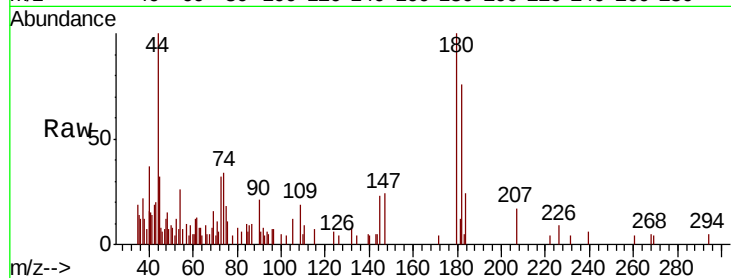




#93
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018330.D
 Acq: 09 Sep 2020 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP01-20200901

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	78.8	47.5	142.6	
145	30.4	15.7	47.1	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

