

Data File : VX017230.D
Acq On : 08 Jul 2020 02:29
Operator : JC/SP
Sample : L3232-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1014-TB070620

Quant Time: Jul 08 04:05:17 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	245553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	420318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	232593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	165801	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	5.47	113	147184	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
50) Toluene-d8	8.70	98	514589	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.12	95	208716	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	

Target Compounds

						Qvalue
8) Diethyl Ether	2.16	74	69	0.417	ug/l #	30
11) Tert butyl alcohol	2.99	59	394	0.682	ug/l #	73
13) Acrolein	2.26	56	469	1.359	ug/l #	62
16) Acetone	2.42	43	524	0.463	ug/l	92
20) Methylene Chloride	2.84	84	565	Below Cal	#	64
25) 2-Butanone	4.65	43	575	0.305	ug/l #	49
31) Cyclohexane	5.64	56	5243	1.283	ug/l #	18
36) 1,1-Dichloropropene	5.64	75	18914	4.761	ug/l #	50
38) Carbon Tetrachloride	5.63	117	24405	5.578	ug/l #	20
44) Trichloroethene	7.20	130	423	Below Cal		91
49) 1,4-Dioxane	7.64	88	22	0.305	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104519	22.852	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104519	59.178	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	737	Below Cal	#	1
94) Hexachlorobutadiene	13.76	225	23	0.856	ug/l #	17

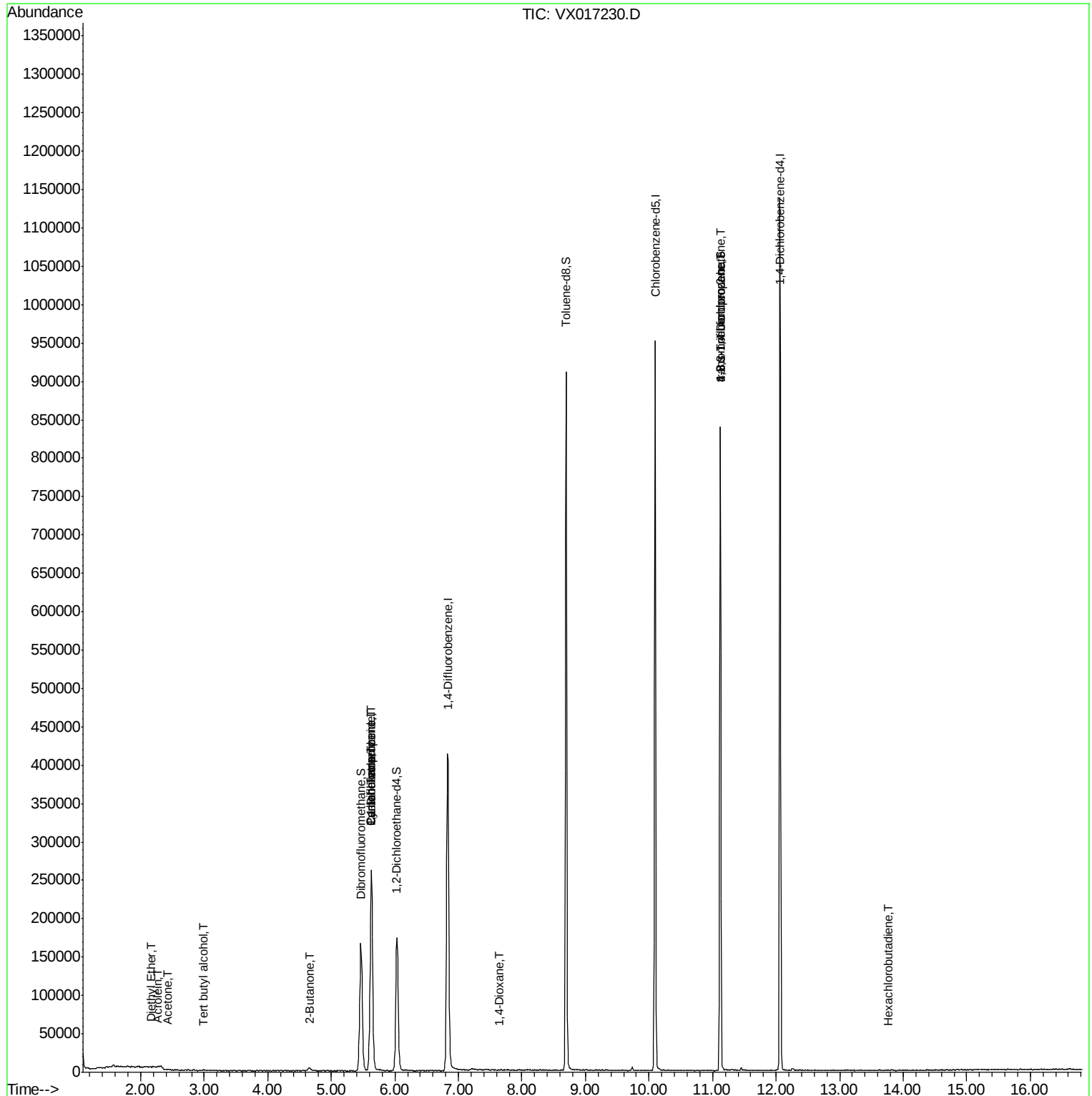
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
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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: VX017230.D

Acq: 08 Jul 2020 02:29

Instrument :

MSVOA_X

ClientSampleId :

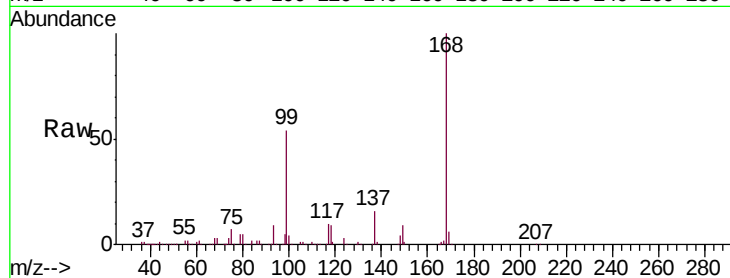
1014-TB070620

Tgt Ion:168 Resp: 245553

Ion Ratio Lower Upper

168 100

99 53.5 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

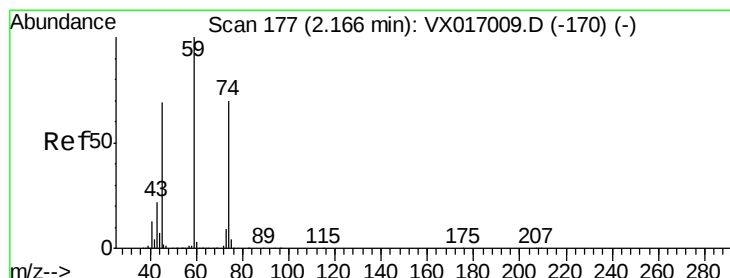
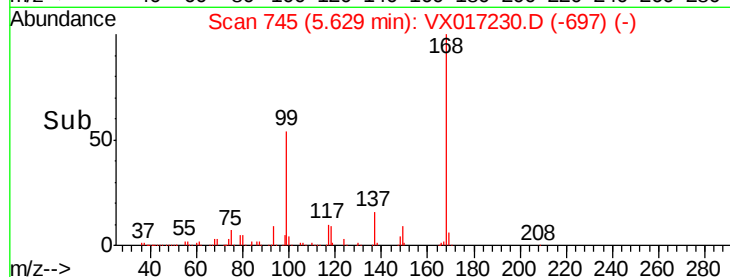
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.417 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017230.D

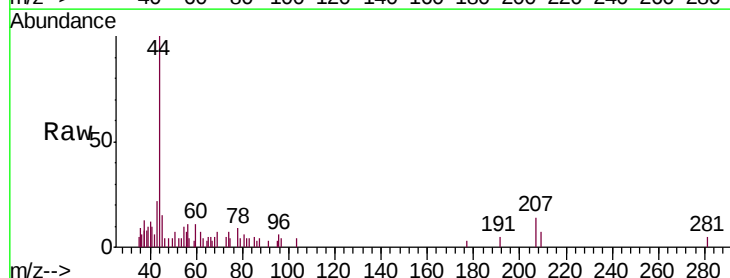
Acq: 08 Jul 2020 02:29

Tgt Ion: 74 Resp: 69

Ion Ratio Lower Upper

74 100

45 169.6 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.16

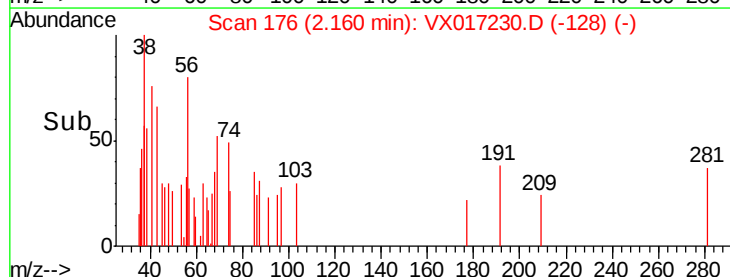
300

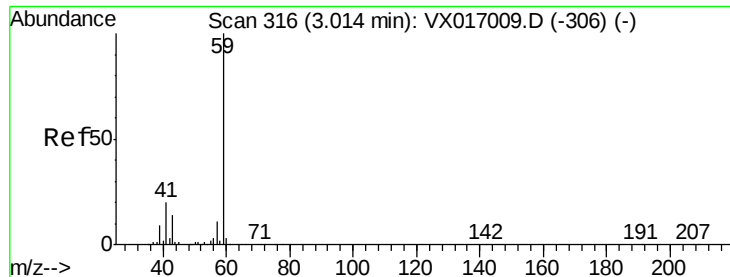
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100

0

Time-->

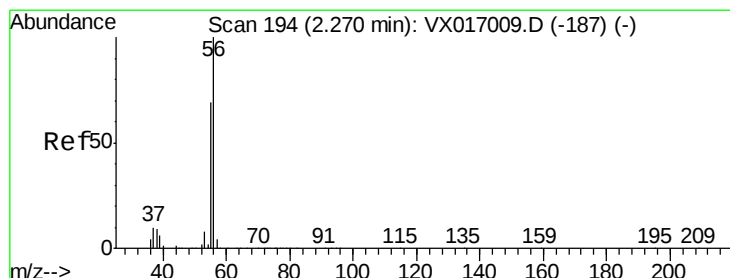
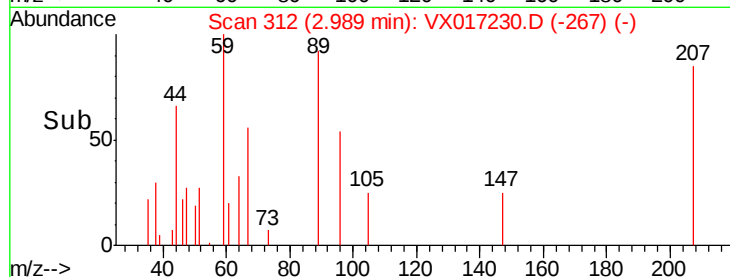
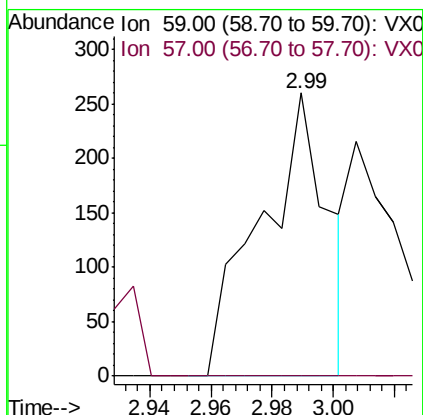
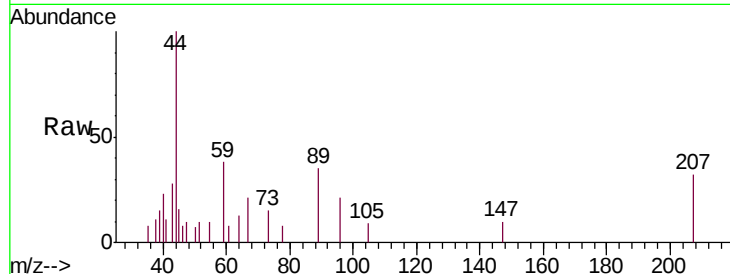




#11
Tert butyl alcohol
Concen: 0.682 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX017230.D
Acq: 08 Jul 2020 02:29

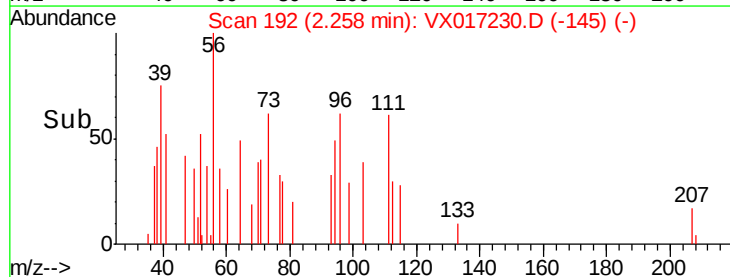
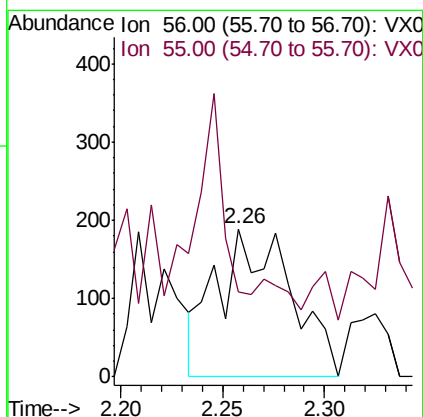
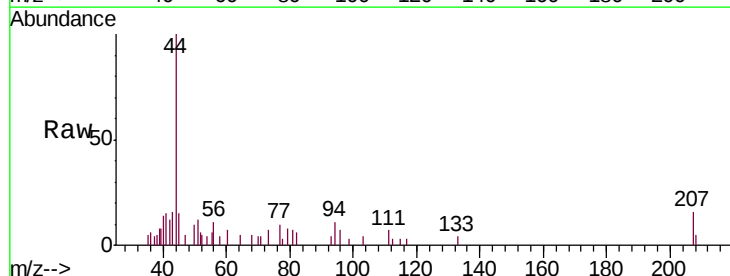
Instrument :
MSVOA_X
ClientSampleId :
1014-TB070620

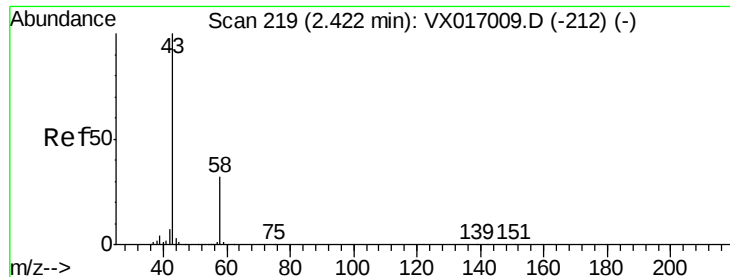
Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 1.359 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX017230.D
Acq: 08 Jul 2020 02:29

Tgt Ion: 56 Resp: 469
Ion Ratio Lower Upper
56 100
55 38.4 55.7 83.5#





#16

Acetone

Concen: 0.463 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

Instrument :

MSVOA_X

ClientSampleId :

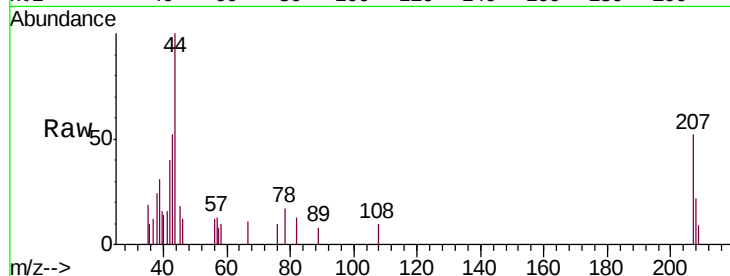
1014-TB070620

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

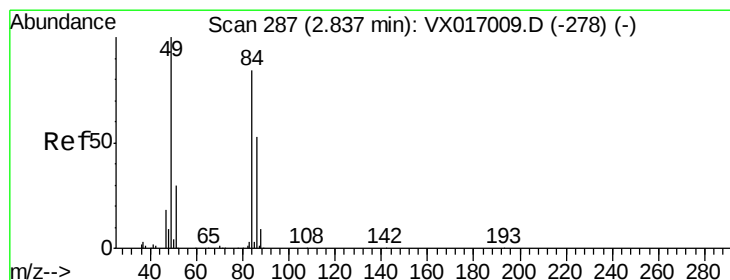
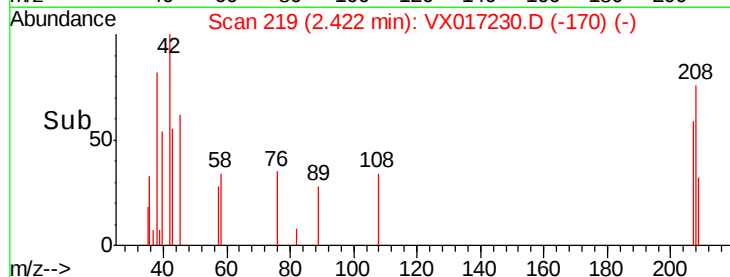
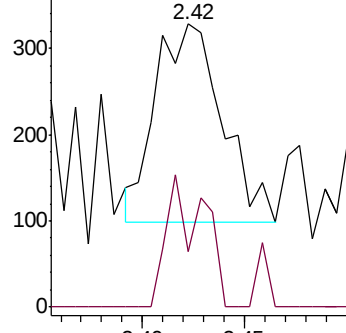
43 100

58 27.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

Tgt Ion: 84 Resp: 565

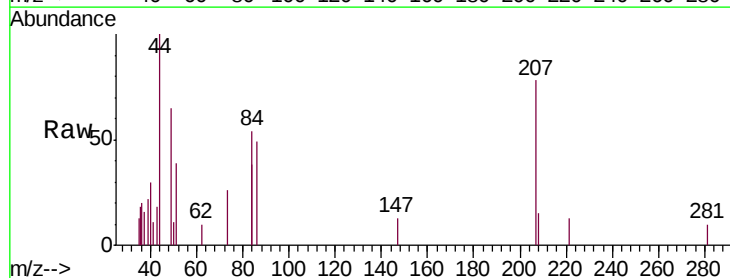
Ion Ratio Lower Upper

84 100

49 56.9 94.7 142.1#

51 42.0 28.6 42.8

86 53.2 50.5 75.7

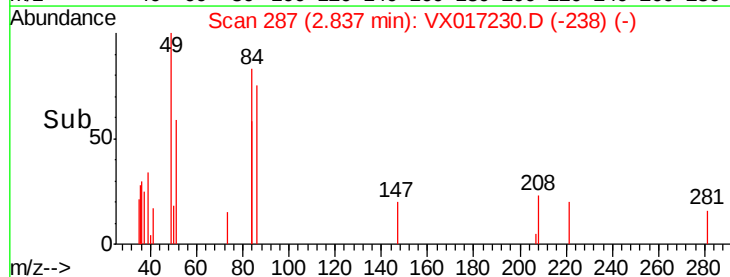
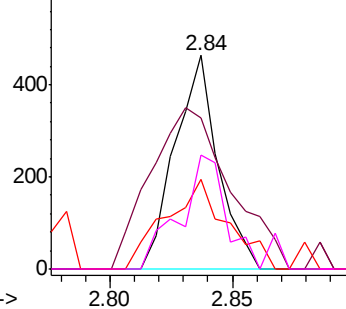


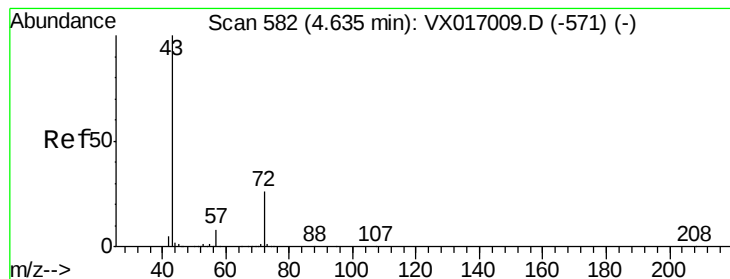
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.305 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

Instrument :

MSVOA_X

ClientSampleId :

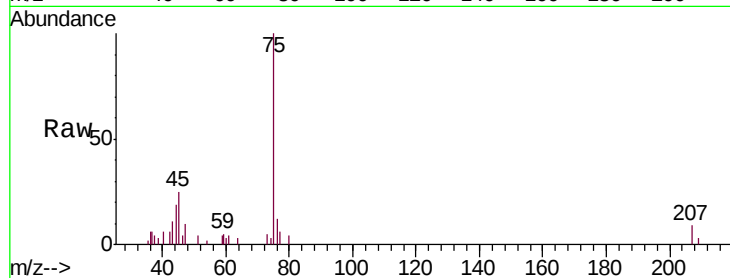
1014-TB070620

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

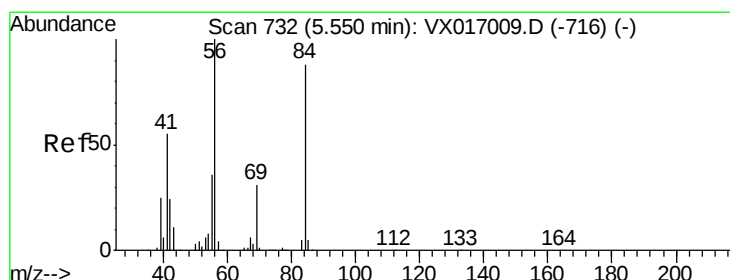
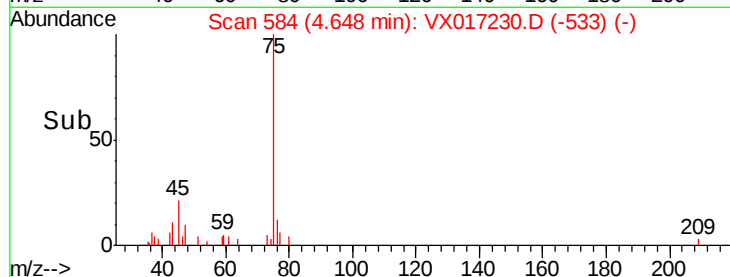
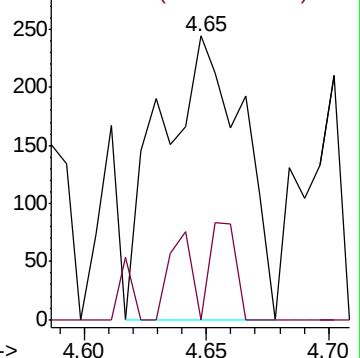
43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.283 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

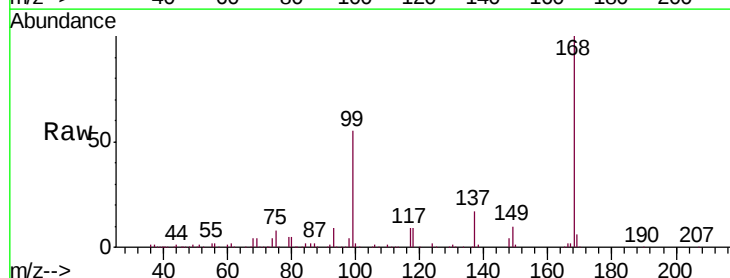
Tgt Ion: 56 Resp: 5243

Ion Ratio Lower Upper

56 100

69 163.0 25.0 37.4#

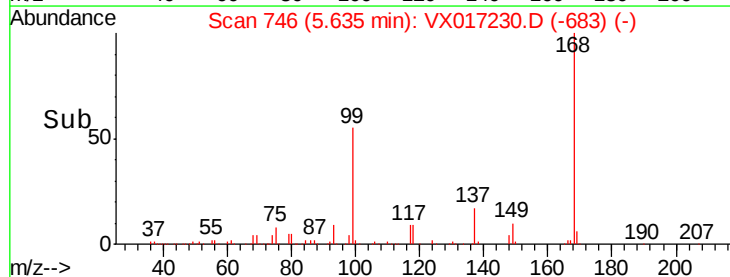
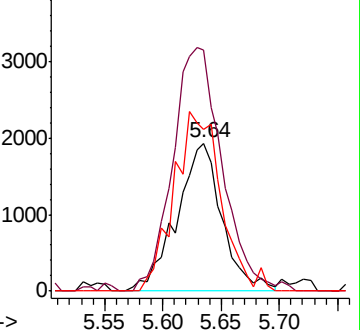
84 109.3 69.1 103.7#

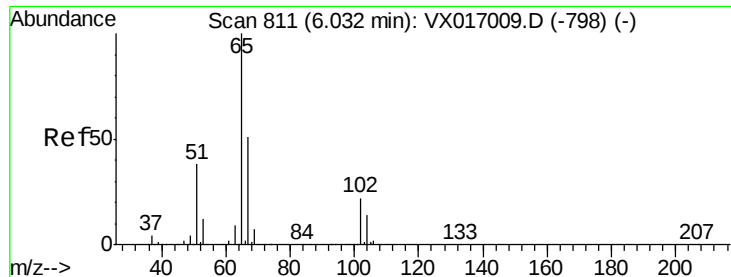


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

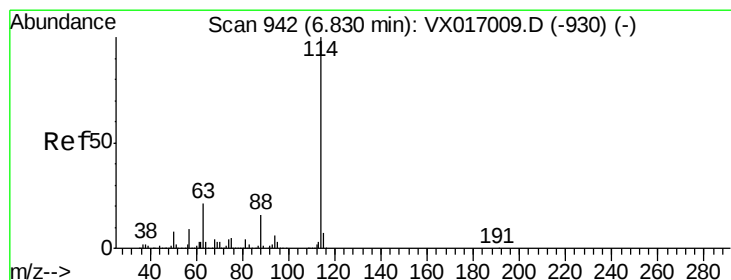
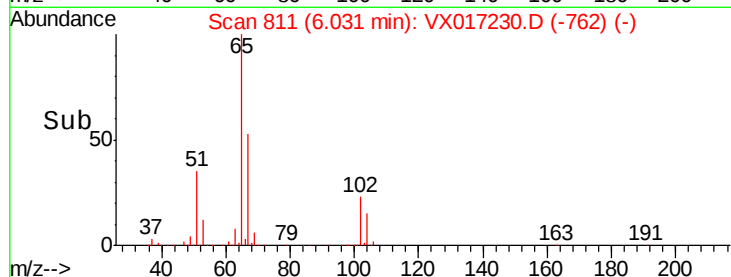
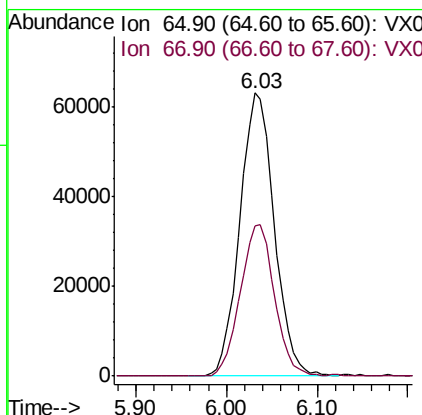
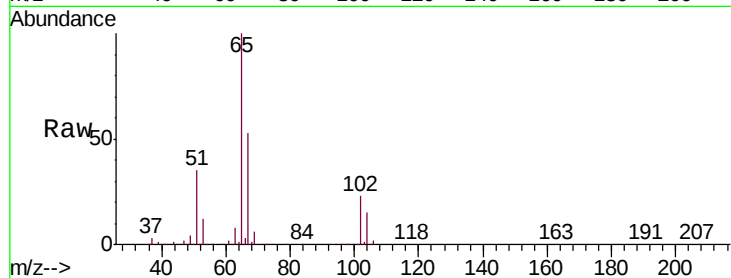




#33
 1,2-Dichloroethane-d4
 Concen: 54.771 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017230.D
 Acq: 08 Jul 2020 02:29

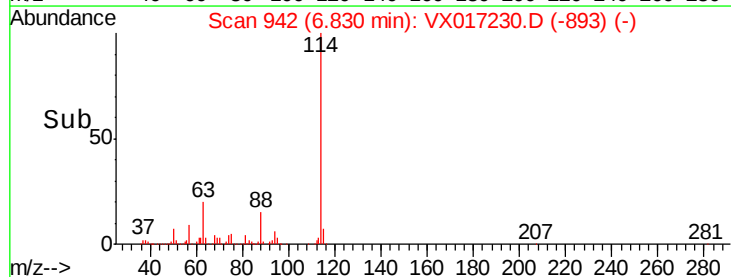
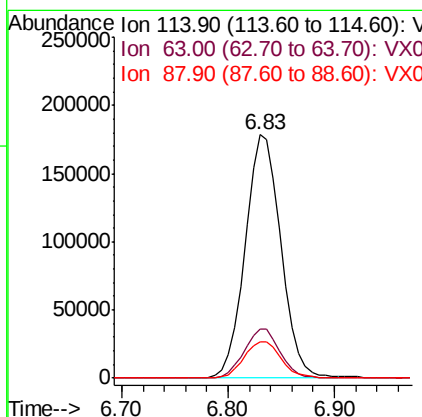
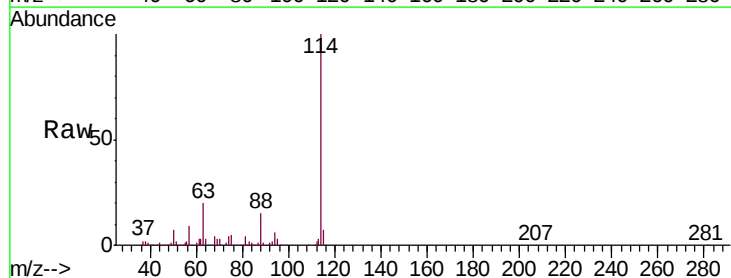
Instrument :
 MSVOA_X
 ClientSampleId :
 1014-TB070620

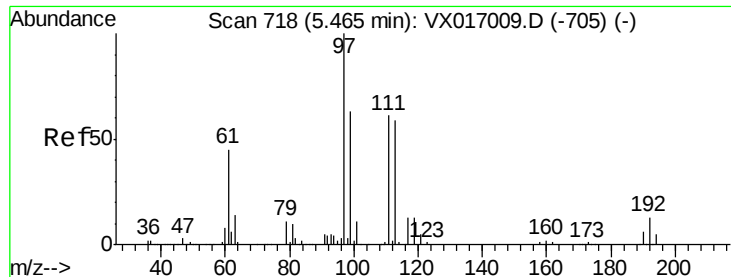
Tgt Ion: 65 Resp: 165801
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017230.D
 Acq: 08 Jul 2020 02:29

Tgt Ion: 114 Resp: 420318
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.1 0.0 32.4

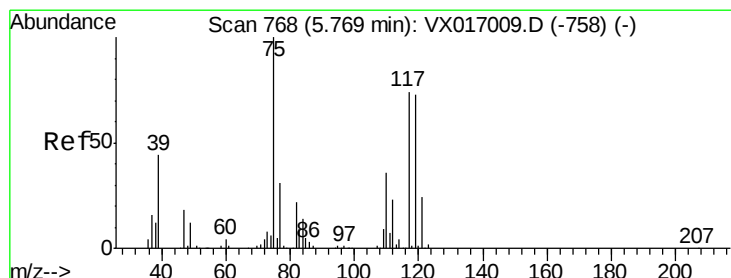
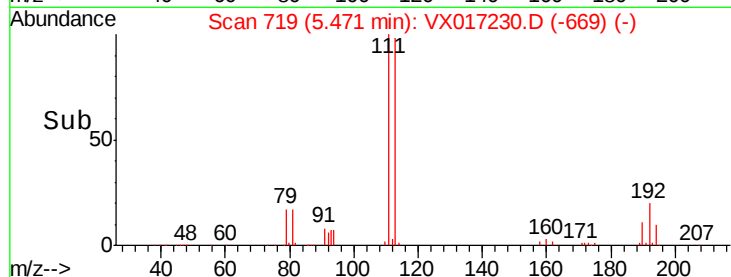
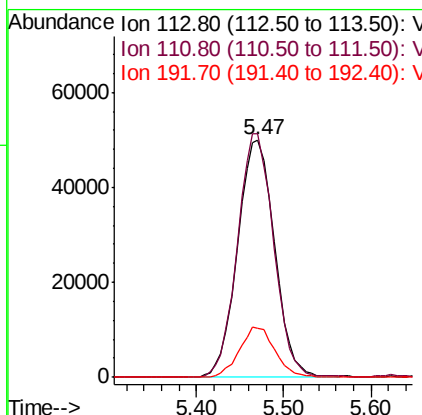
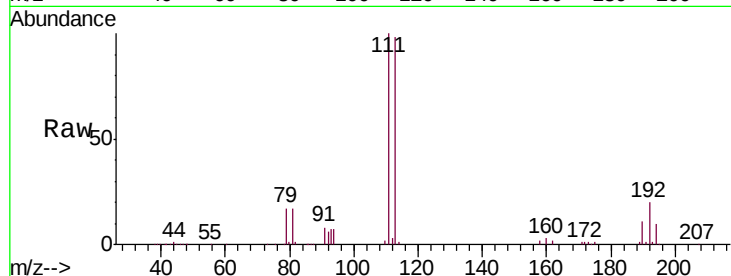




#35
 Dibromofluoromethane
 Concen: 55.357 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017230.D
 Acq: 08 Jul 2020 02:29

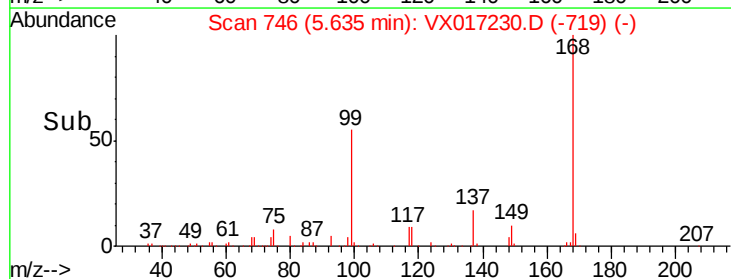
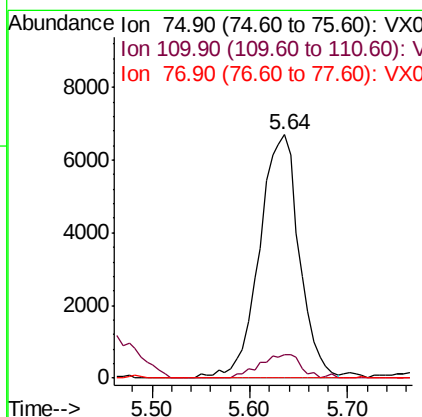
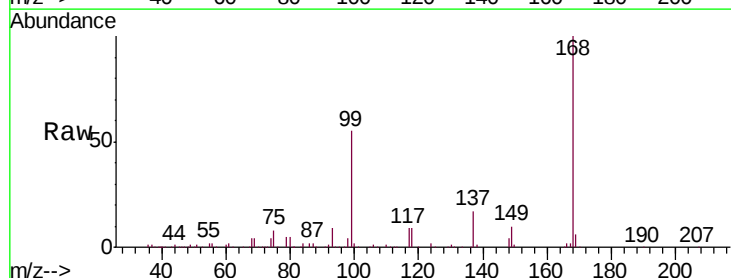
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 MSVOA_X
 ClientSampleId :
 1014-TB070620

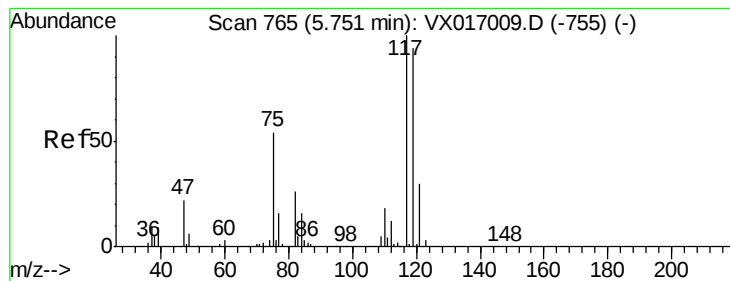
Tgt Ion:113 Resp: 147184
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.9 122.9
 192 20.3 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017230.D
 Acq: 08 Jul 2020 02:29

Tgt Ion: 75 Resp: 18914
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

Instrument :

MSVOA_X

ClientSampleId :

1014-TB070620

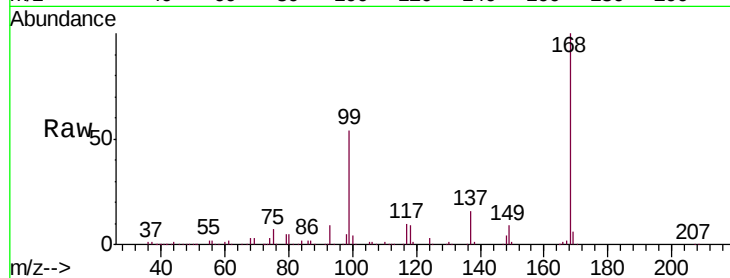
Tgt Ion:117 Resp: 24405

Ion Ratio Lower Upper

117 100

119 9.2 75.4 113.0#

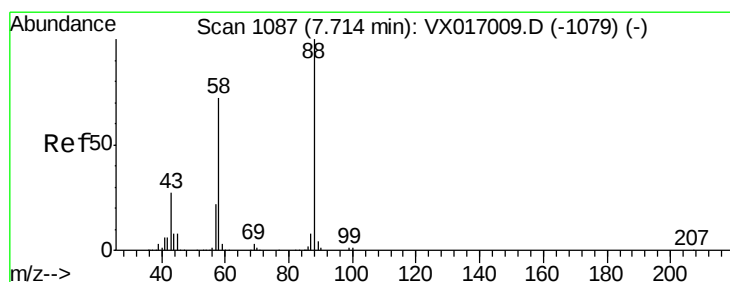
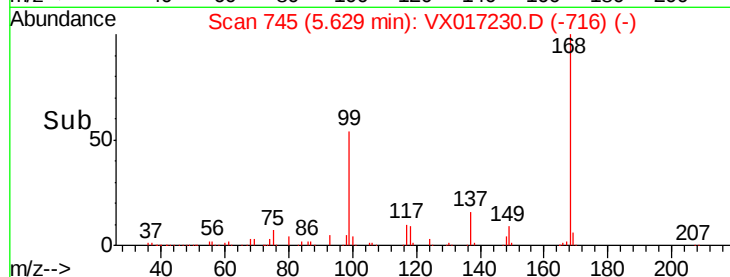
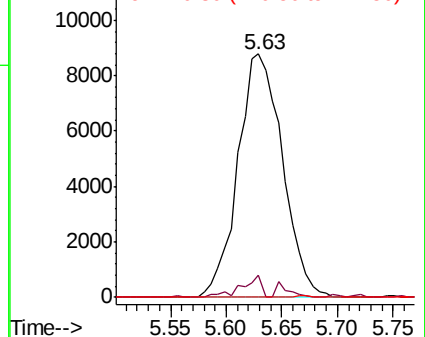
121 0.0 23.8 35.6#



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: 0.305 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.07 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

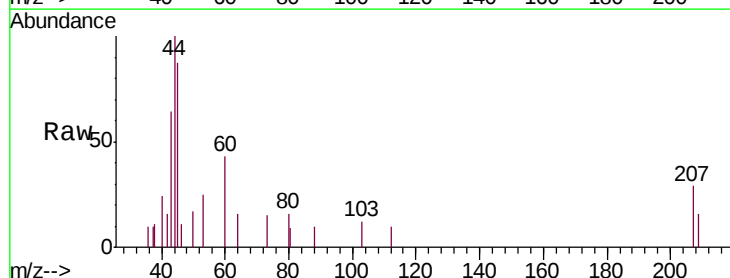
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 1481.8 25.8 38.8#

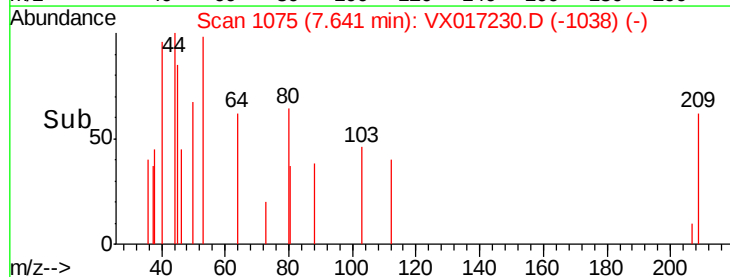
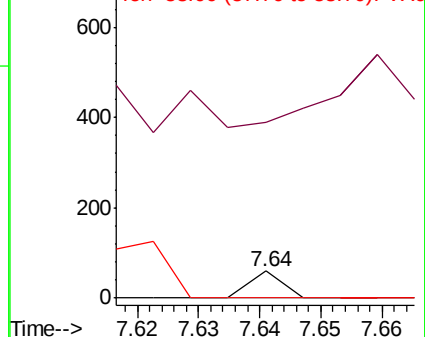
58 0.0 54.8 82.2#

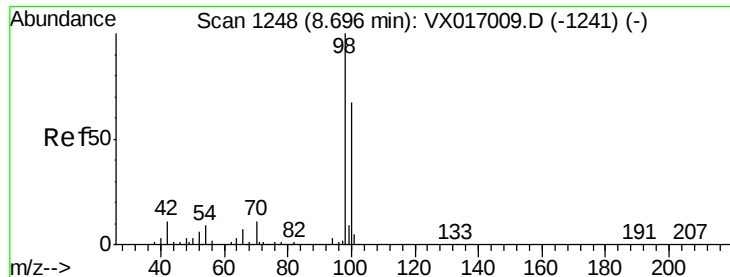


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

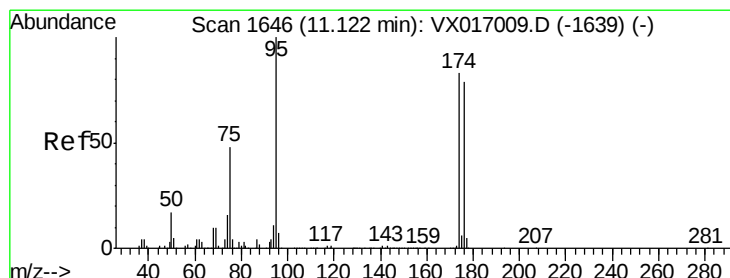
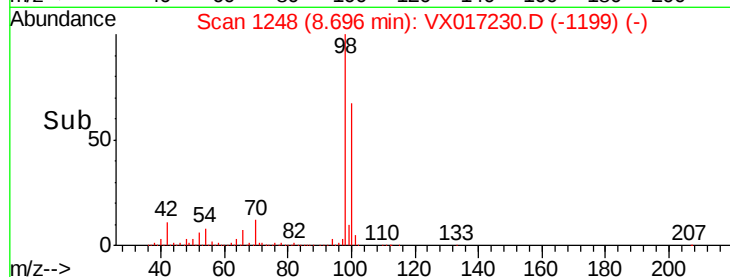
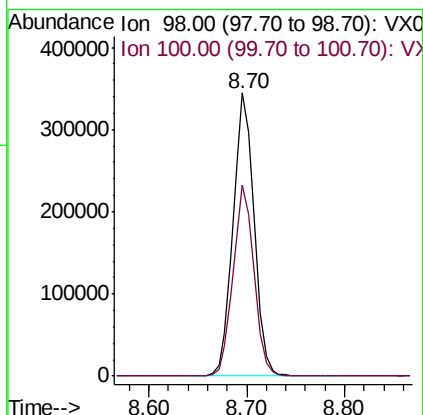
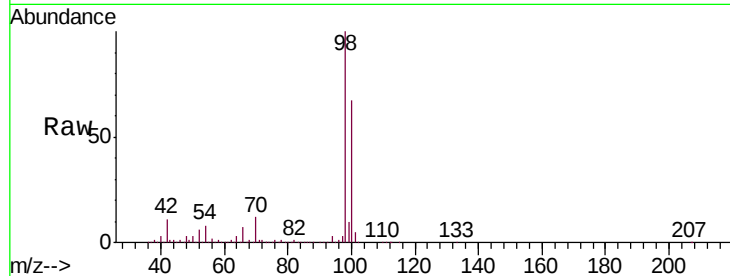




#50
Toluene-d8
Concen: 52.340 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017230.D
Acq: 08 Jul 2020 02:29

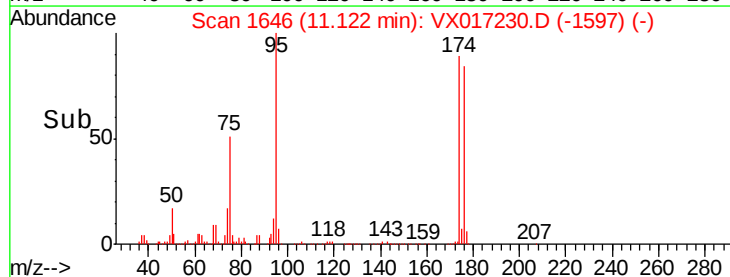
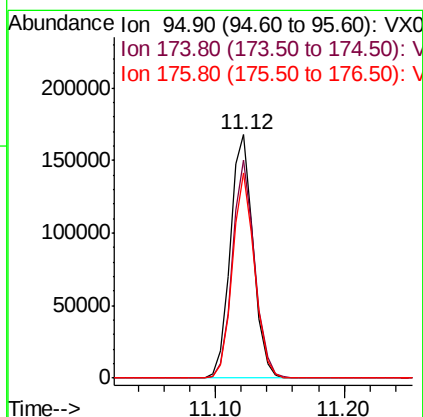
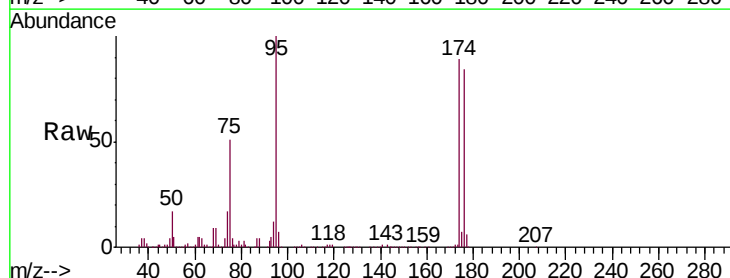
Instrument :
MSVOA_X
ClientSampleId :
1014-TB070620

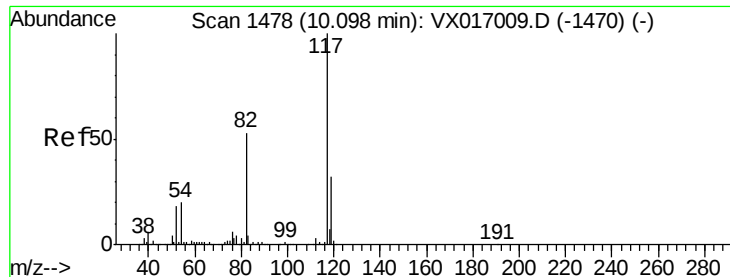
Tgt Ion: 98 Resp: 514589
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 54.306 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017230.D
Acq: 08 Jul 2020 02:29

Tgt Ion: 95 Resp: 208716
Ion Ratio Lower Upper
95 100
174 87.0 0.0 164.0
176 81.7 0.0 157.6

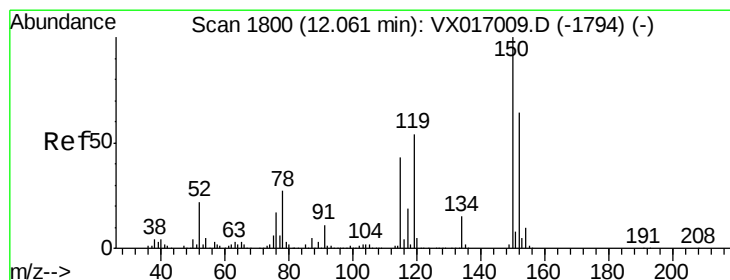
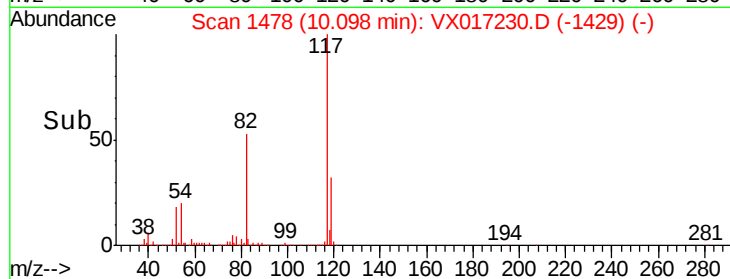
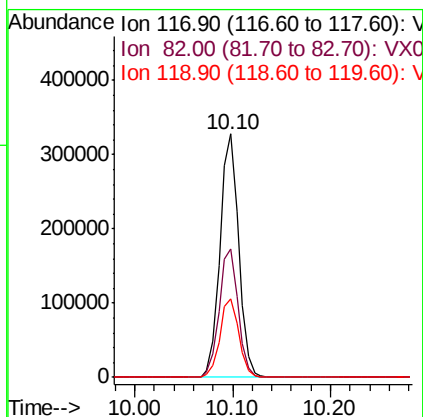
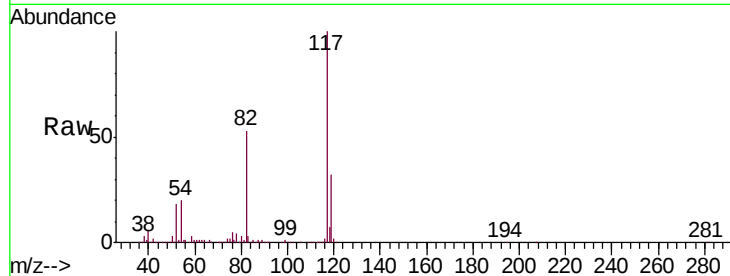




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017230.D
Acq: 08 Jul 2020 02:29

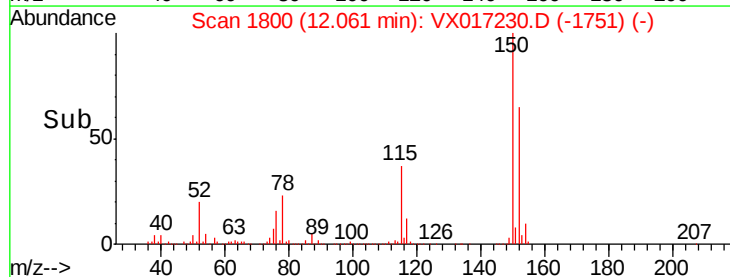
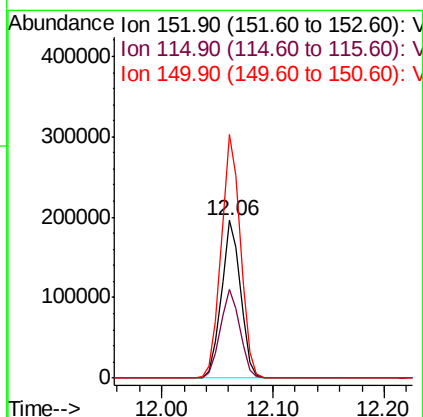
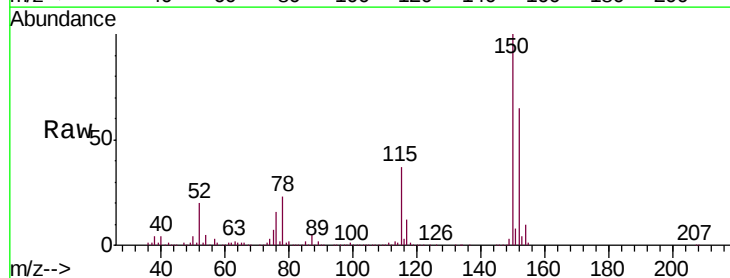
Instrument :
MSVOA_X
ClientSampleId :
1014-TB070620

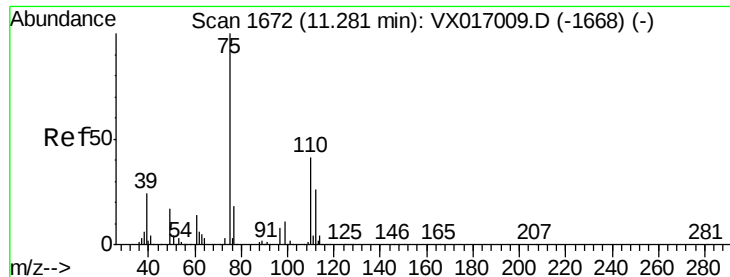
Tgt Ion:117 Resp: 434237
Ion Ratio Lower Upper
117 100
82 53.0 42.6 63.8
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017230.D
Acq: 08 Jul 2020 02:29

Tgt Ion:152 Resp: 232593
Ion Ratio Lower Upper
152 100
115 57.7 40.9 122.7
150 155.8 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.852 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

Instrument :

MSVOA_X

ClientSampleId :

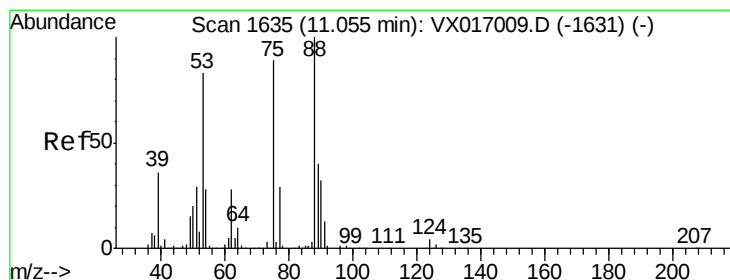
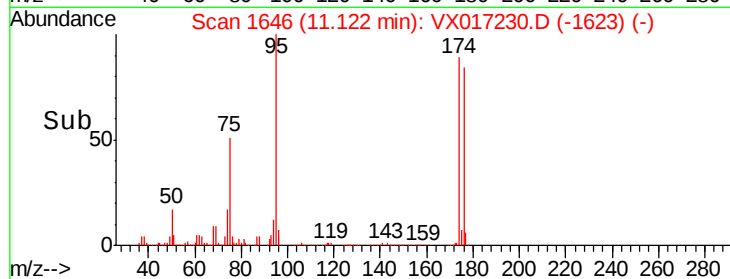
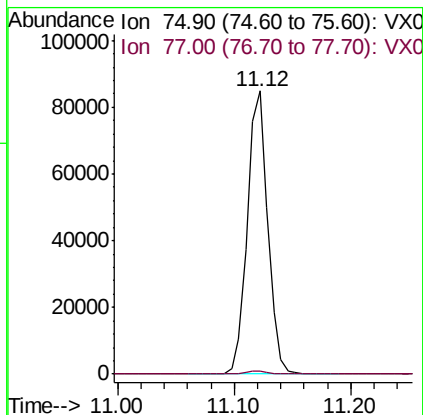
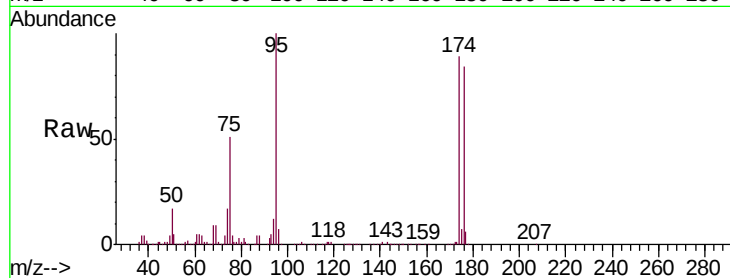
1014-TB070620

Tgt Ion: 75 Resp: 104519

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.178 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

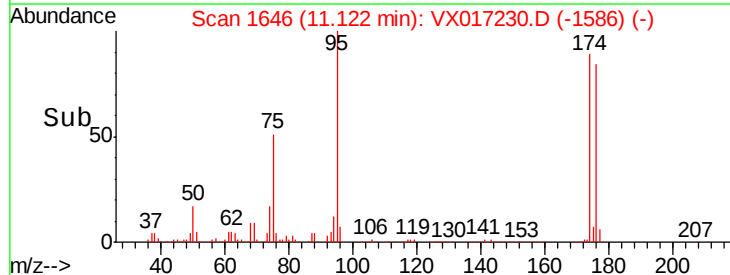
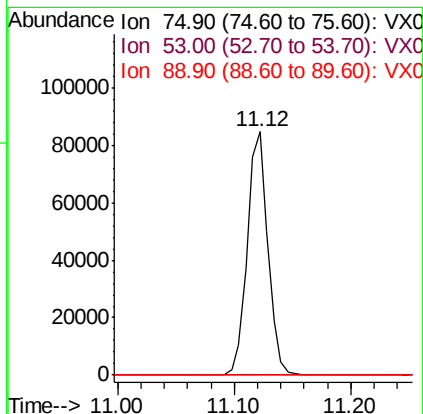
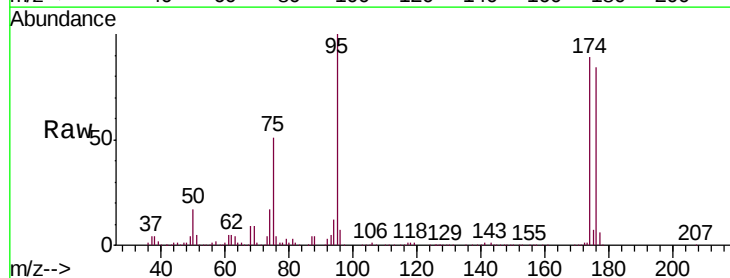
Tgt Ion: 75 Resp: 104519

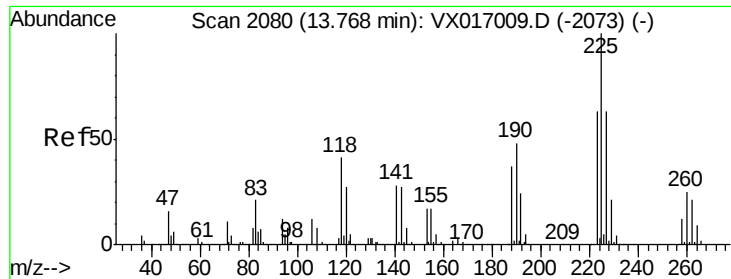
Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.856 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017230.D

Acq: 08 Jul 2020 02:29

Instrument :

MSVOA_X

ClientSampleId :

1014-TB070620

Tgt Ion:	225	Resp:	23
Ion Ratio	Lower	Upper	
225	100		
223	0.0	32.5	97.5#
227	0.0	33.1	99.2#

