

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008622.D
 Acq On : 03 Apr 2019 18:54
 Operator : JC/SP
 Sample : K1850-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 04 04:56:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	312490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	131938	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	5.50	113	95450	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	8.71	98	385294	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.13	95	137472	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	51406	18.855	ug/l	99
5) Bromomethane	1.64	94	13583	11.201	ug/l	98
6) Chloroethane	1.71	64	53860	33.634	ug/l	100
7) Trichlorofluoromethane	1.93	101	135851	43.147	ug/l	100
10) Methyl Iodide	2.51	142	1738	4.869	ug/l	95
13) Acrolein	2.29	56	163	0.526	ug/l	83
15) Acrylonitrile	3.20	53	4016	2.425	ug/l #	37
16) Acetone	2.45	43	1395	0.907	ug/l #	82
17) Carbon Disulfide	2.57	76	1497	Below Cal		100
19) Methyl tert-butyl Ether	3.20	73	304334	40.270	ug/l	99
20) Methylene Chloride	2.85	84	1457	0.566	ug/l	89
24) 1,1-Dichloroethane	3.70	63	33572	7.262	ug/l	98
25) 2-Butanone	4.59	43	593	0.244	ug/l	92
26) 2,2-Dichloropropane	4.58	77	40888	12.558	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	722	0.274	ug/l #	1
28) Bromochloromethane	5.02	49	29088	12.812	ug/l	100
29) Tetrahydrofuran	5.16	42	469	0.291	ug/l #	71
36) 1,1-Dichloropropene	5.80	75	26106	7.643	ug/l	98
38) Carbon Tetrachloride	5.67	117	17823	6.304	ug/l #	17
44) Trichloroethene	7.23	130	955	0.403	ug/l	86
46) Dibromomethane	7.66	93	15569	9.242	ug/l	99
49) 1,4-Dioxane	7.67	88	19	0.281	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	43276	12.163	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	16743	4.118	ug/l	97
57) 1,3-Dichloropropane	9.37	76	44293	10.243	ug/l	100
64) Tetrachloroethene	9.34	164	466	0.229	ug/l	84
66) 1,1,1,2-Tetrachloroethane	10.22	131	25052	11.704	ug/l	99
73) Isopropylbenzene	11.02	105	101770	9.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	68841	17.596	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56142	16.464	ug/l	82
78) n-propylbenzene	11.36	91	110018	9.185	ug/l	99
79) 2-Chlorotoluene	11.51	91	49908	6.885	ug/l	99
80) 1,3,5-Trimethylbenzene	11.36	105	3929	0.455	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.13	75	70207	56.755	ug/l #	9

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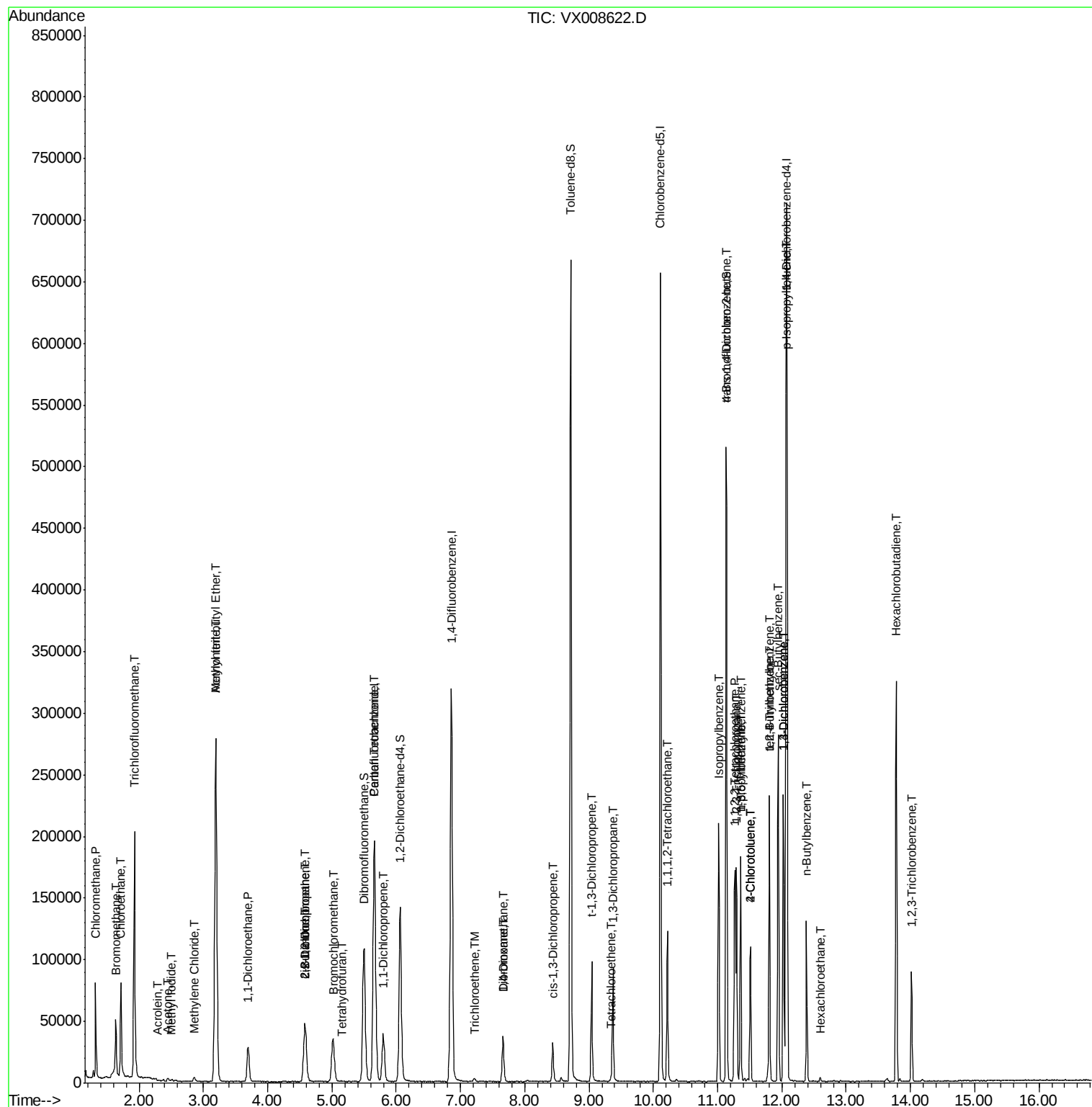
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	49908	5.948	ug/l	92
83) tert-Butylbenzene	11.80	119	12649	1.523	ug/l #	64
84) 1,2,4-Trimethylbenzene	11.80	105	98292	11.242	ug/l	100
85) sec-Butylbenzene	11.94	105	145620	14.757	ug/l	100
86) p-Isopropyltoluene	12.06	119	121853	13.758	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70285	15.876	ug/l	99
88) 1,4-Dichlorobenzene	12.02	146	70285	15.678	ug/l	99
89) n-Butylbenzene	12.38	91	57206	6.887	ug/l	100
90) Hexachloroethane	12.60	117	465	0.317	ug/l	85
94) Hexachlorobutadiene	13.78	225	47285	32.260	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	20778	6.804	ug/l	98

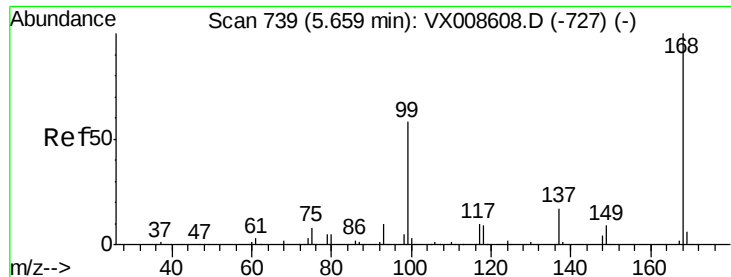
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

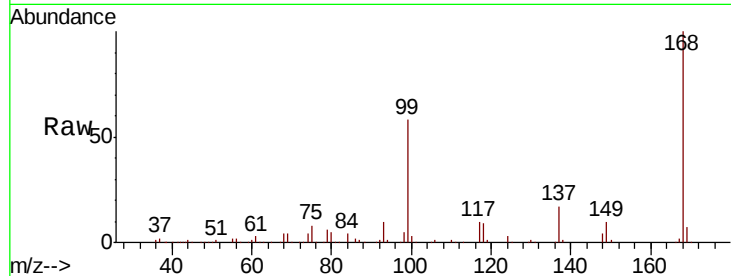
VSTDCCC050EC

Tot Ion:168 Resp: 183046

Ion Ratio Lower Upper

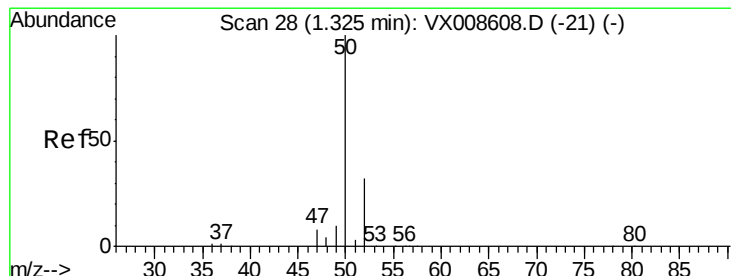
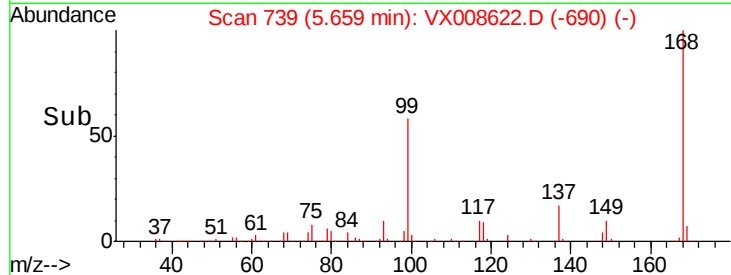
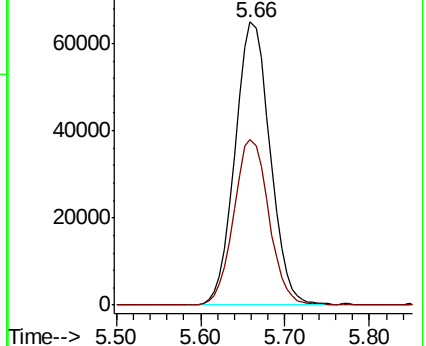
168 100

99 58.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 18.855 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008622.D

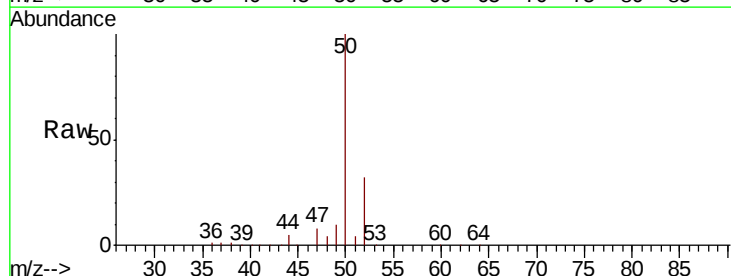
Acq: 03 Apr 2019 18:54

Tgt Ion: 50 Resp: 51406

Ion Ratio Lower Upper

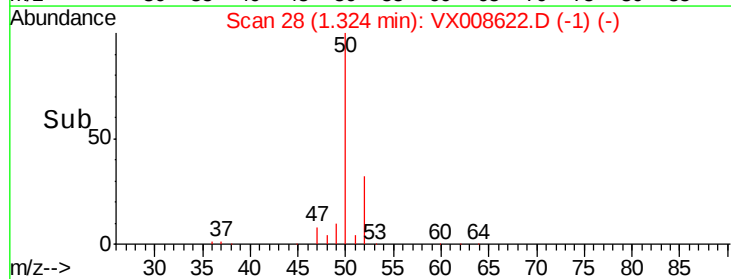
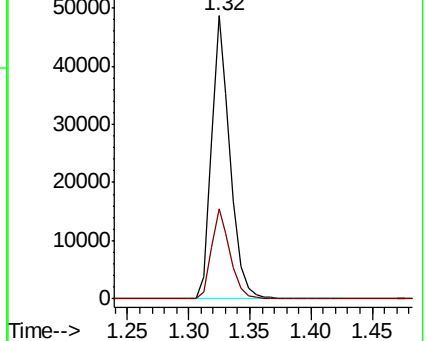
50 100

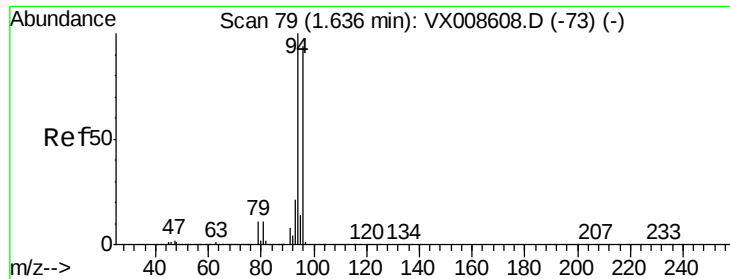
52 31.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 11.201 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

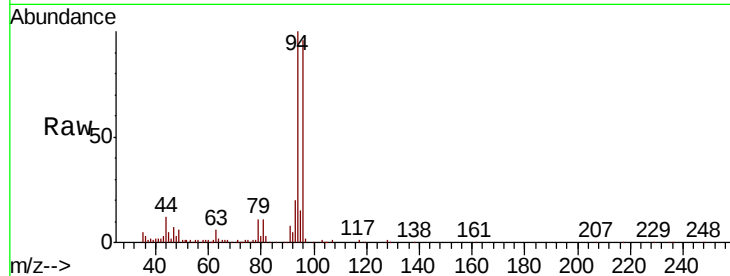
VSTDCCC050EC

Tot Ion: 94 Resp: 13583

Ion Ratio Lower Upper

94 100

96 96.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

15000

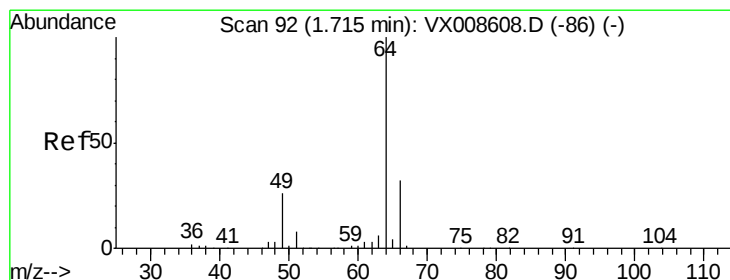
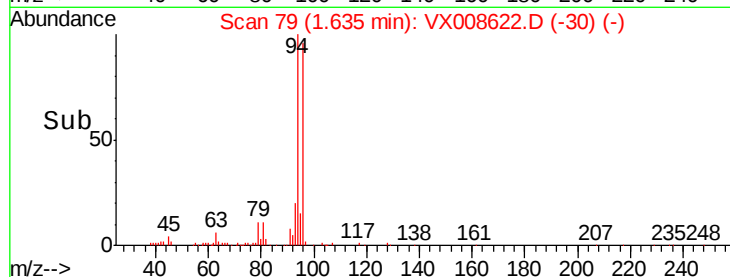
10000

5000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 33.634 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008622.D

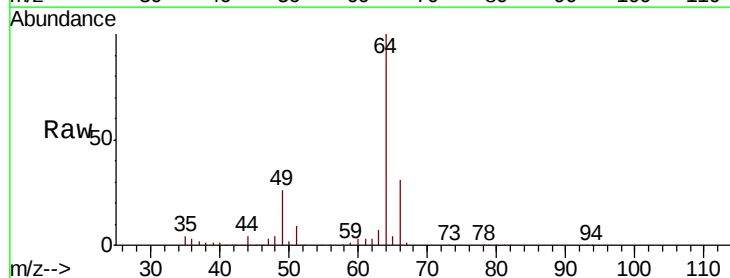
Acq: 03 Apr 2019 18:54

Tgt Ion: 64 Resp: 53860

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

40000

30000

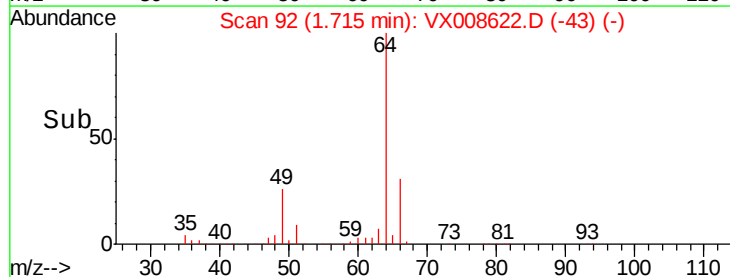
20000

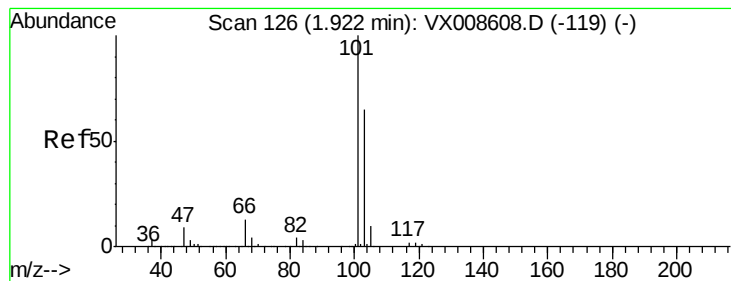
10000

0

1.65 1.70 1.75 1.80

Time-->



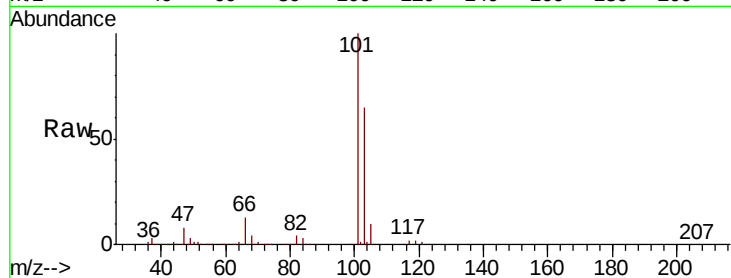


#7

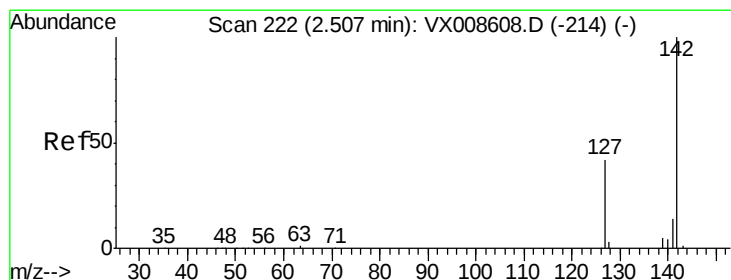
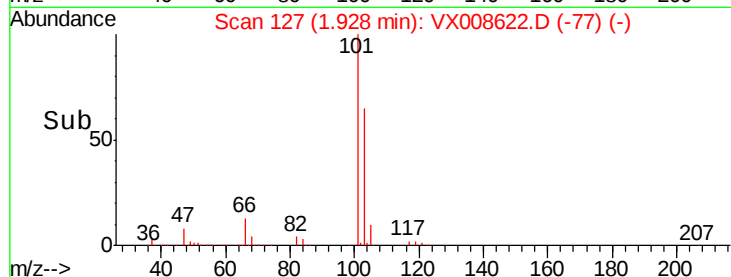
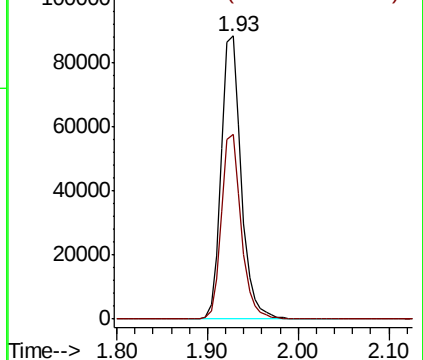
Trichlorofluoromethane
 Concen: 43.147 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 135851
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5



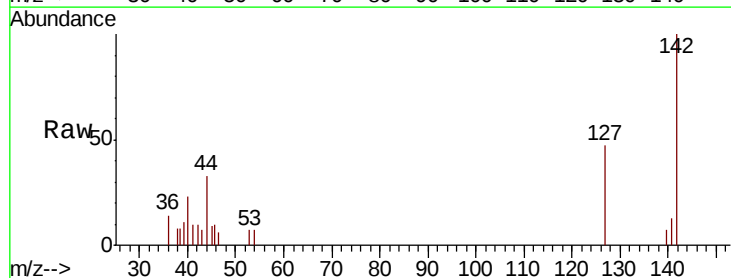
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



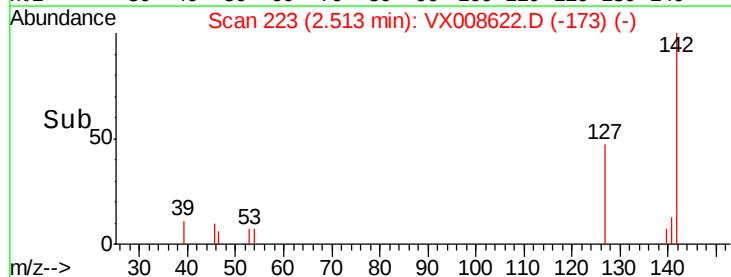
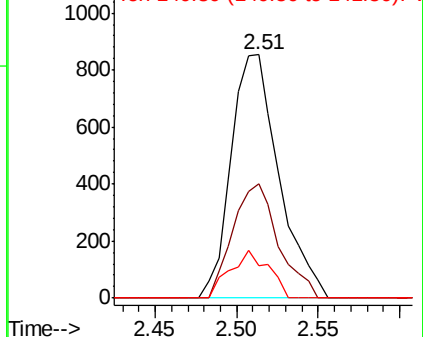
#10

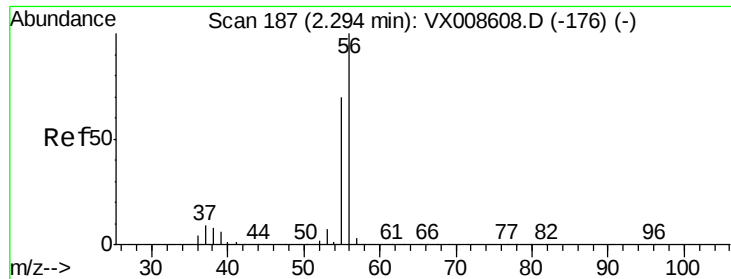
Methyl Iodide
 Concen: 4.869 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Tgt Ion:142 Resp: 1738
 Ion Ratio Lower Upper
 142 100
 127 44.9 33.0 49.6
 141 15.7 11.4 17.2



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

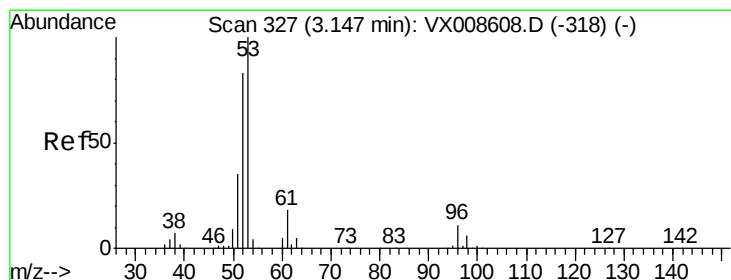
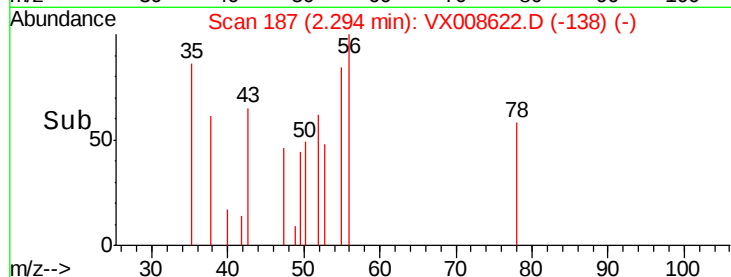
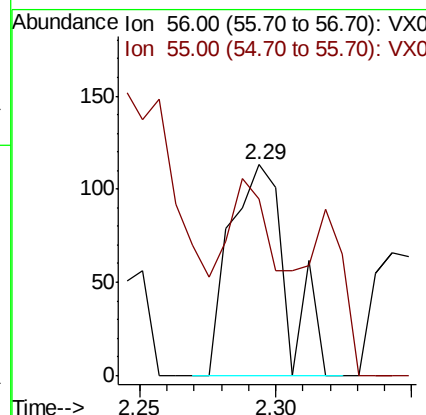
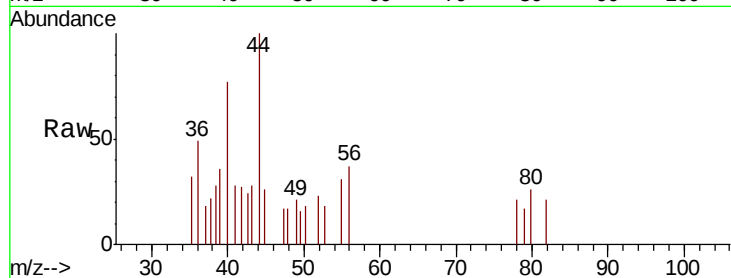




#13
Acrolein
Concen: 0.526 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

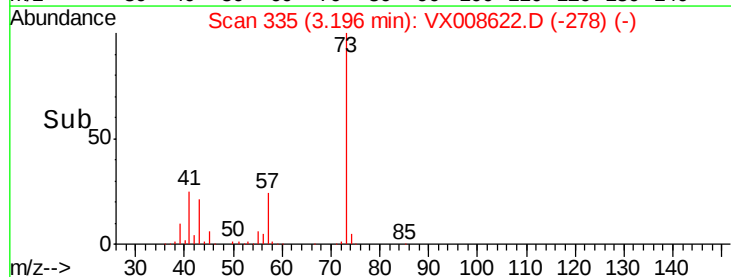
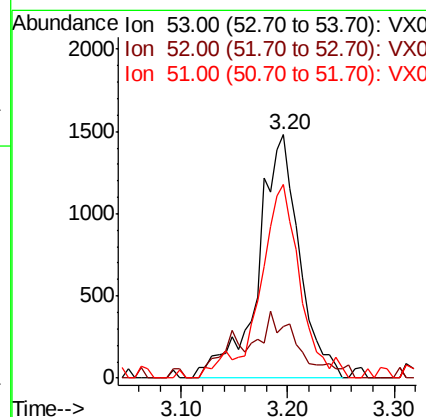
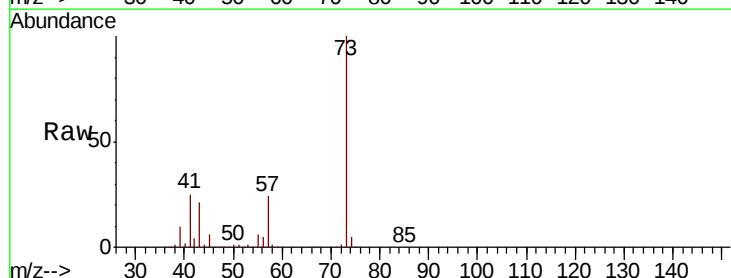
Instrument :
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ClientSampleId :
VSTDCCC050EC

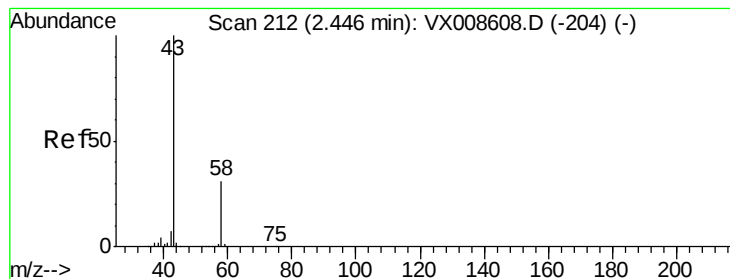
Tot Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 86.5 58.0 87.0



#15
Acrylonitrile
Concen: 2.425 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.05 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Tgt Ion: 53 Resp: 4016
Ion Ratio Lower Upper
53 100
52 26.2 66.5 99.7#
51 72.6 28.6 42.8#





#16

Acetone

Concen: 0.907 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

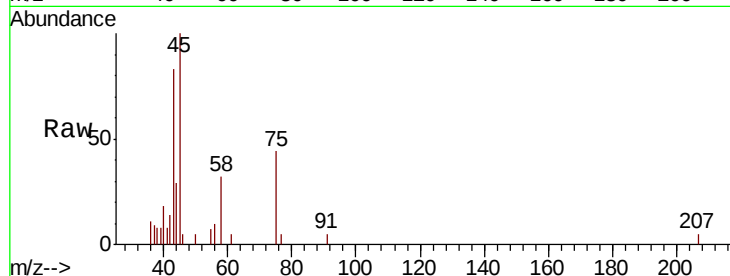
VSTDCCC050EC

Tot Ion: 43 Resp: 1395

Ion Ratio Lower Upper

43 100

58 41.0 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

400

200

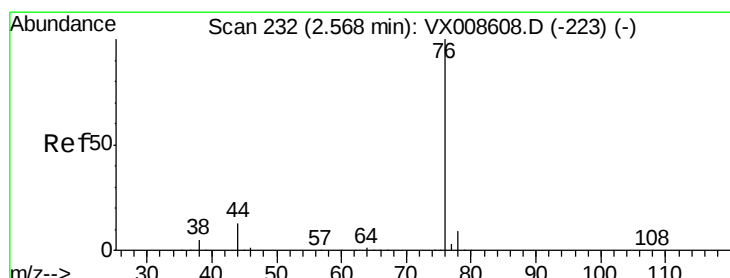
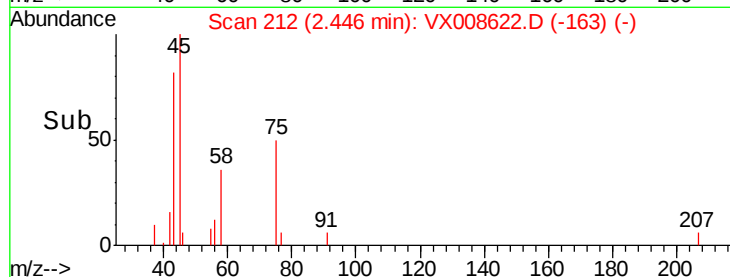
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Time-->

2.40

2.45

2.50



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008622.D

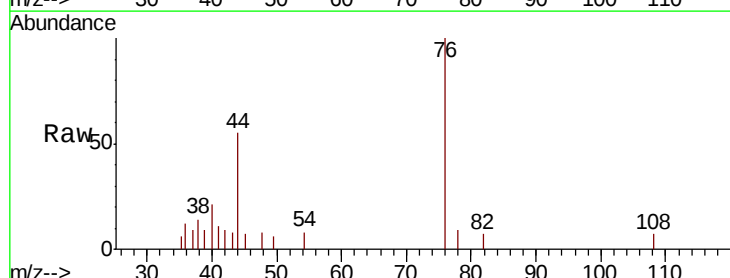
Acq: 03 Apr 2019 18:54

Tgt Ion: 76 Resp: 1497

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1000

800

600

400

200

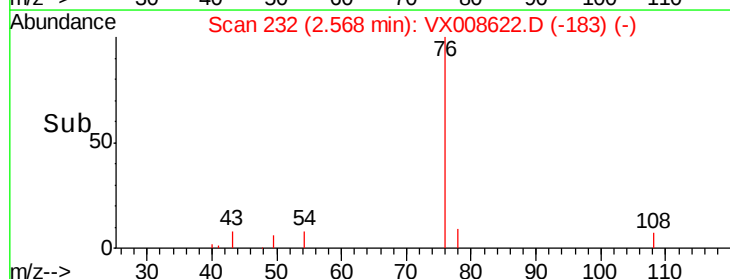
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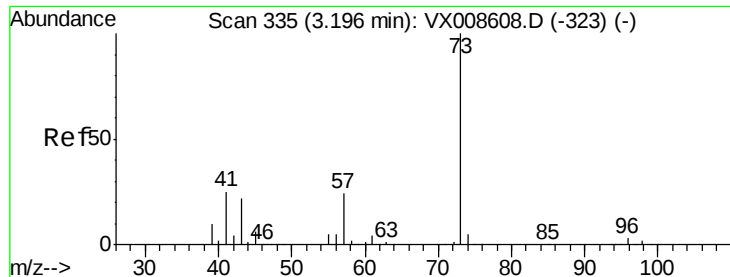
Time-->

2.50

2.55

2.60

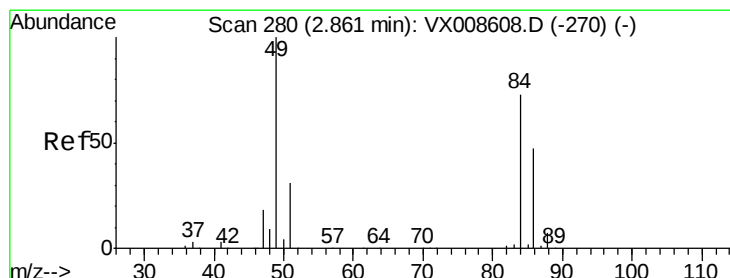
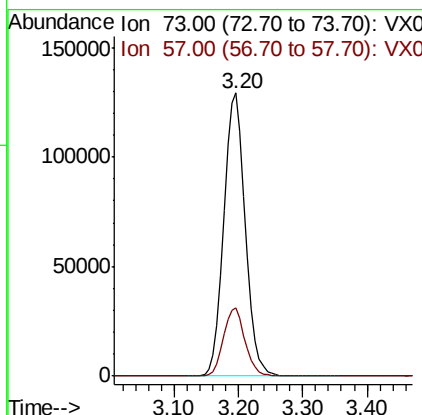
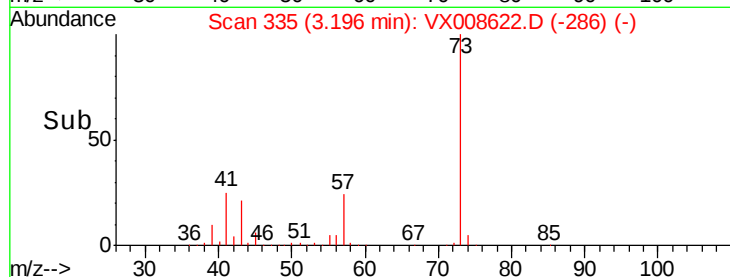
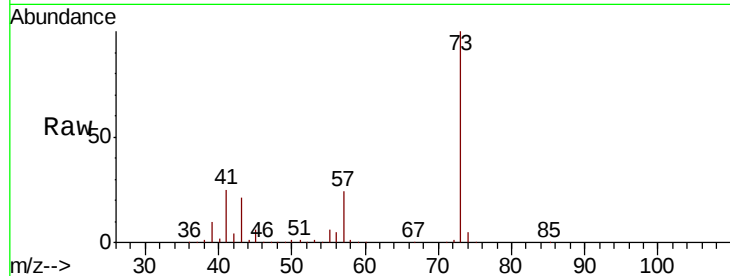




#19
Methvl tert-butvl Ether
Concen: 40.270 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

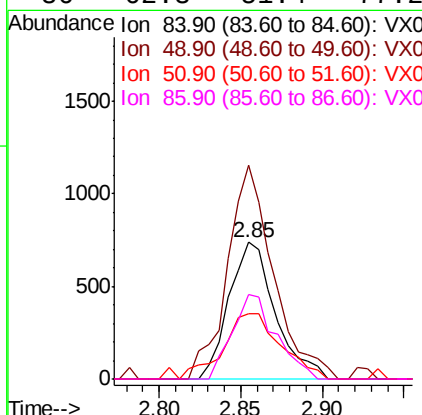
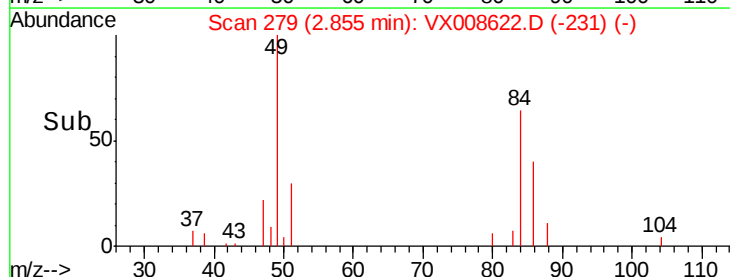
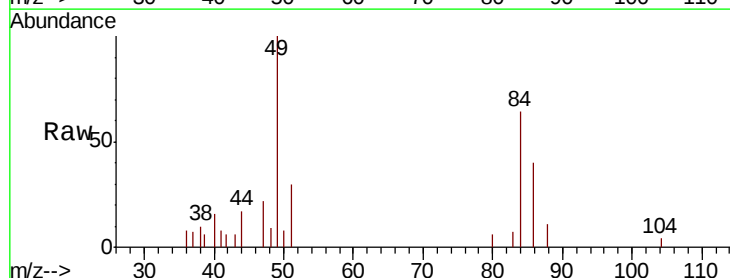
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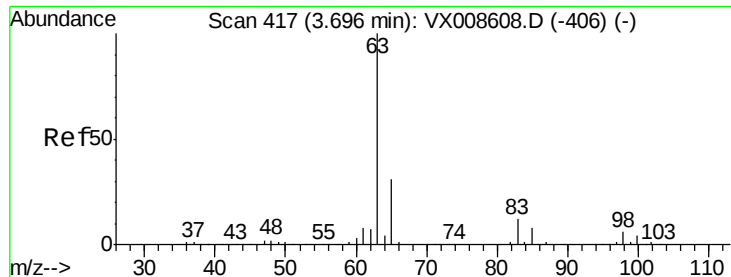
Tot Ion: 73 Resp: 304334
Ion Ratio Lower Upper
73 100
57 23.9 19.5 29.3



#20
Methylene Chloride
Concen: 0.566 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Tgt Ion: 84 Resp: 1457
Ion Ratio Lower Upper
84 100
49 156.6 109.7 164.5
51 47.5 33.6 50.4
86 62.3 51.4 77.2





#24

1,1-Dichloroethane

Concen: 7.262 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

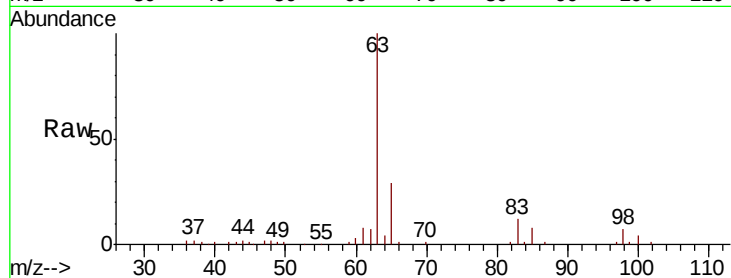
Tot Ion: 63 Resp: 33572

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

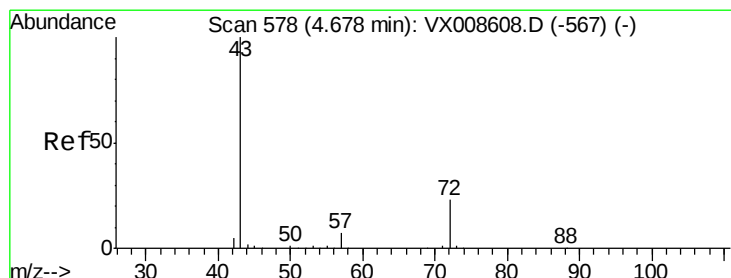
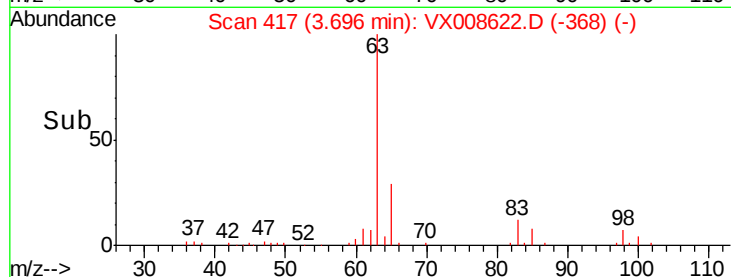
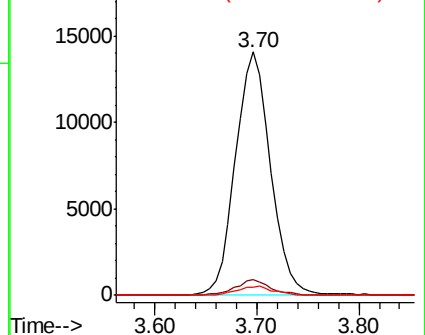
100 3.5 1.8 5.5



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



#25

2-Butanone

Concen: 0.244 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.09 min

Lab File: VX008622.D

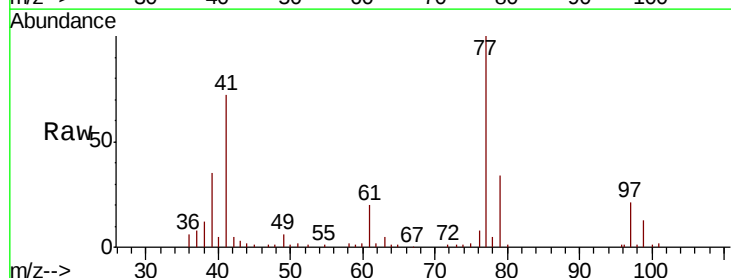
Acq: 03 Apr 2019 18:54

Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

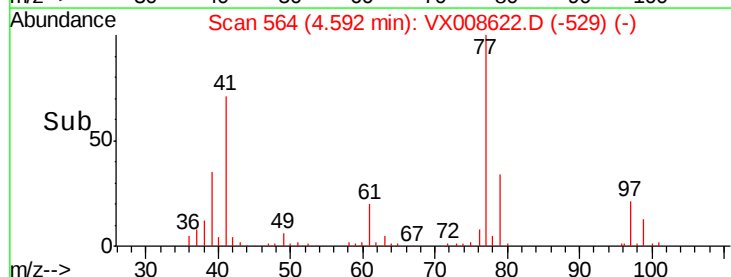
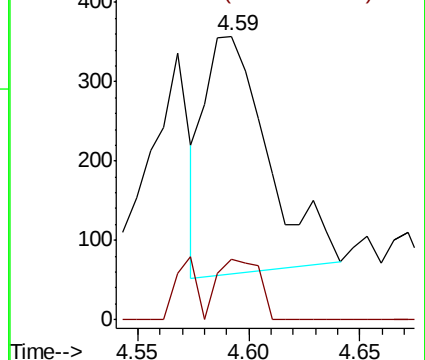
43 100

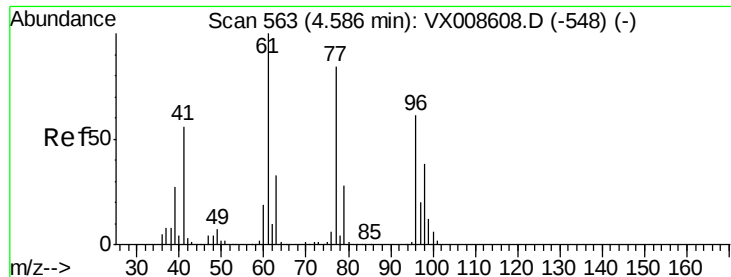
72 26.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 12.558 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

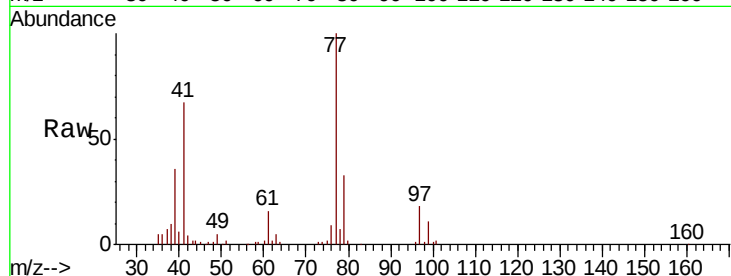
VSTDCCC050EC

Tot Ion: 77 Resp: 40888

Ion Ratio Lower Upper

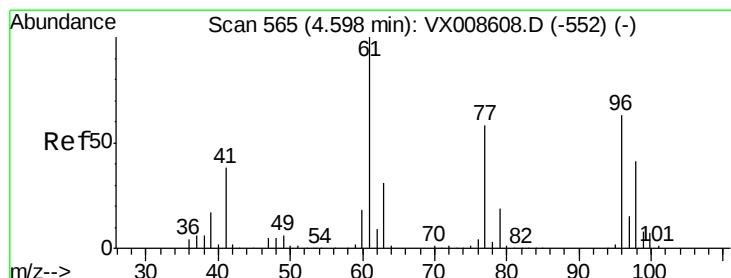
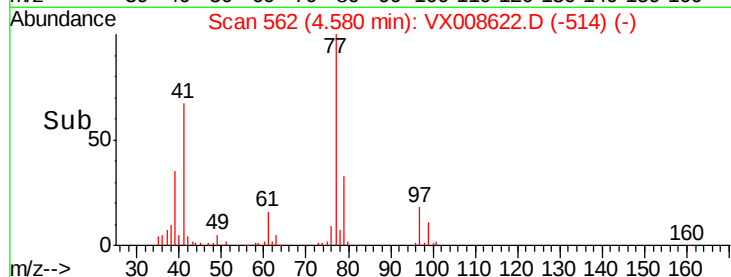
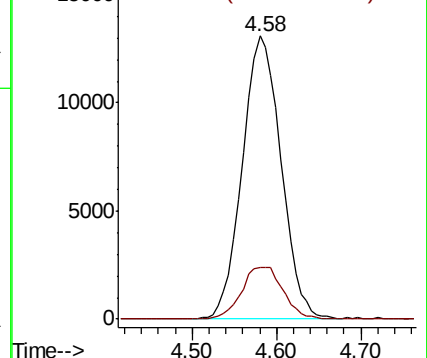
77 100

97 19.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.274 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

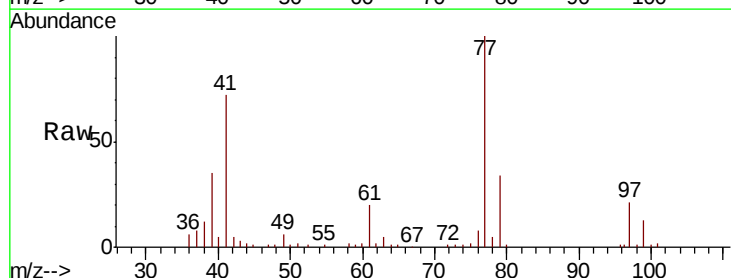
Tgt Ion: 96 Resp: 722

Ion Ratio Lower Upper

96 100

61 1053.6 0.0 327.6#

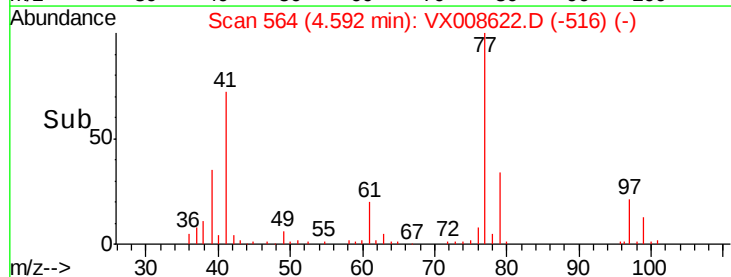
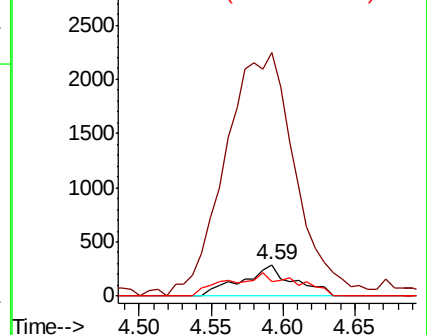
98 67.5 0.0 128.6

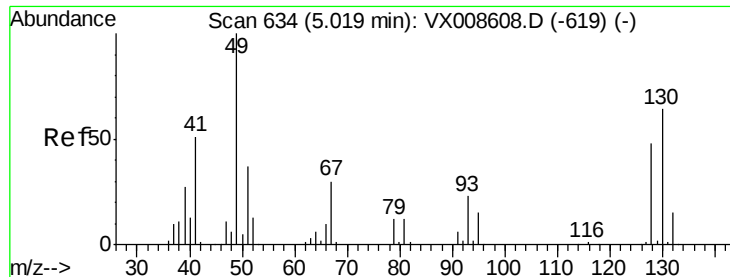


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: 12.812 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

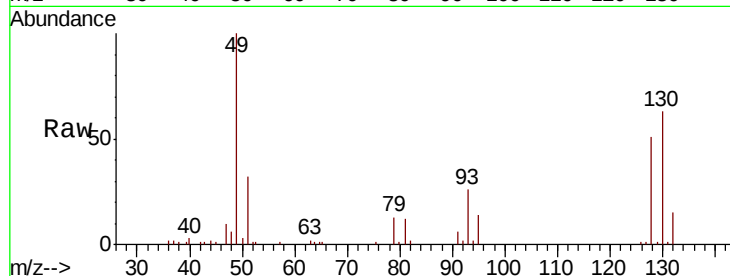
Tot Ion: 49 Resp: 29088

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

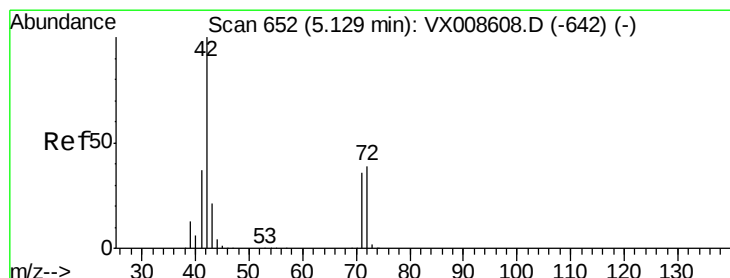
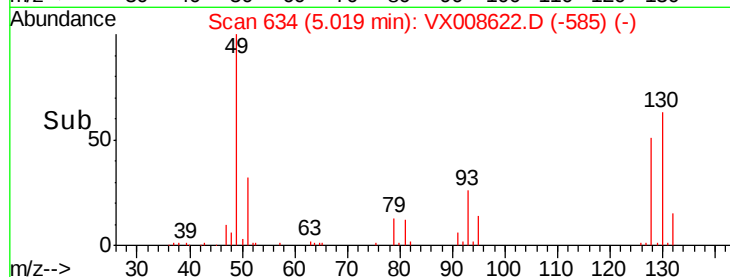
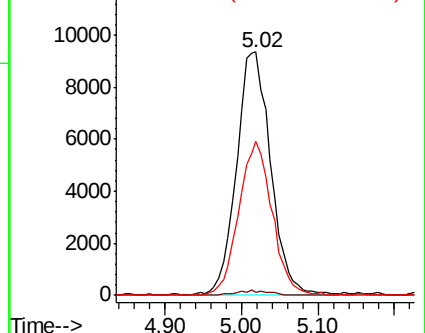
130 61.2 49.3 73.9



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

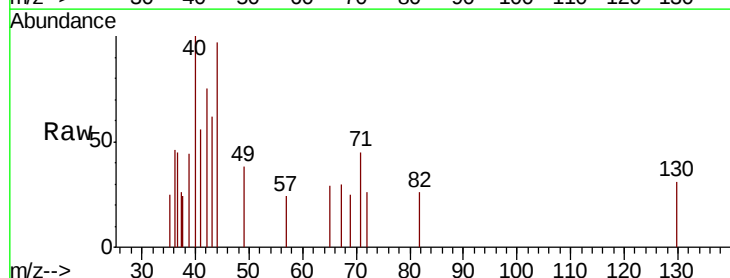
Tgt Ion: 42 Resp: 469

Ion Ratio Lower Upper

42 100

72 12.2 30.5 45.7#

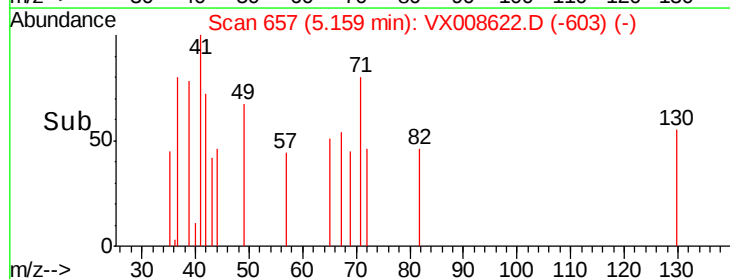
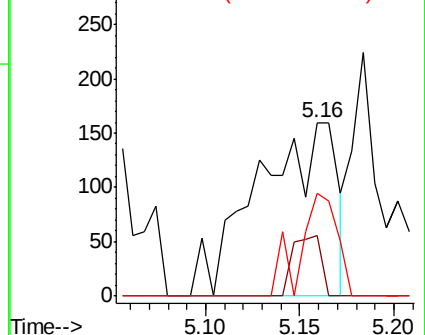
71 27.3 28.6 43.0#

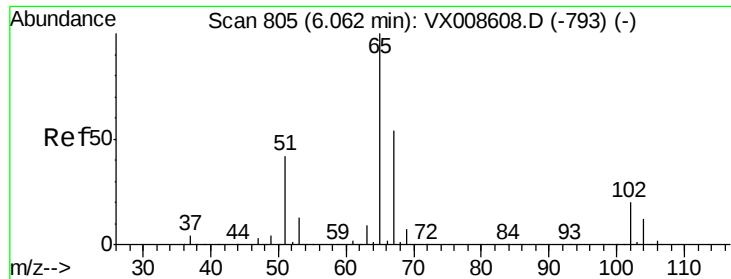


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.418 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

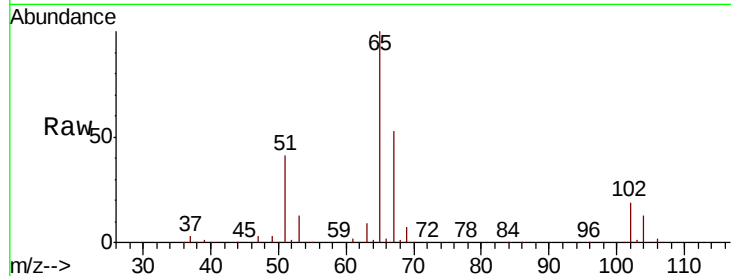
VSTDCCC050EC

Tot Ion: 65 Resp: 131938

Ion Ratio Lower Upper

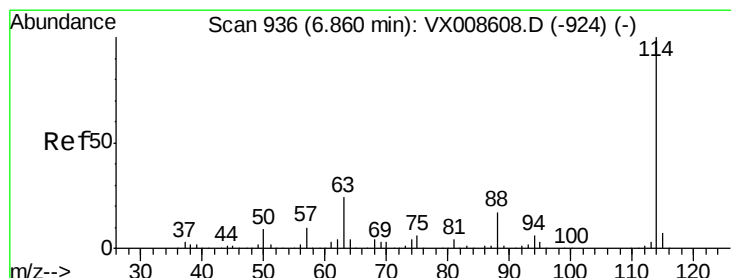
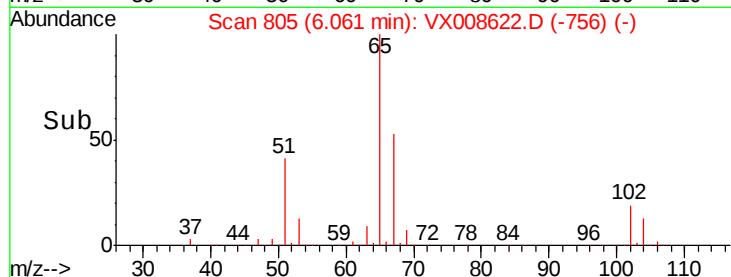
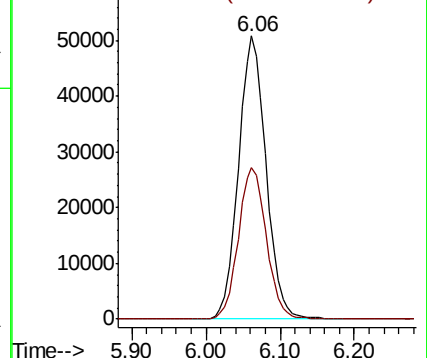
65 100

67 54.3 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

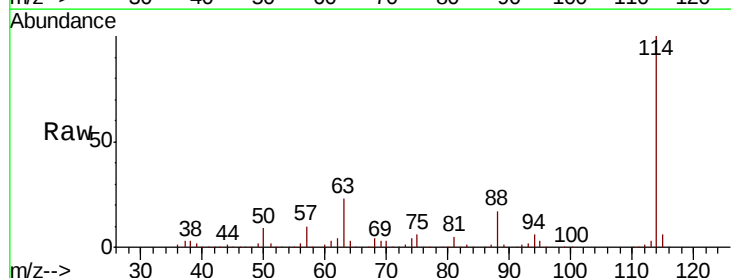
Tgt Ion: 114 Resp: 312490

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

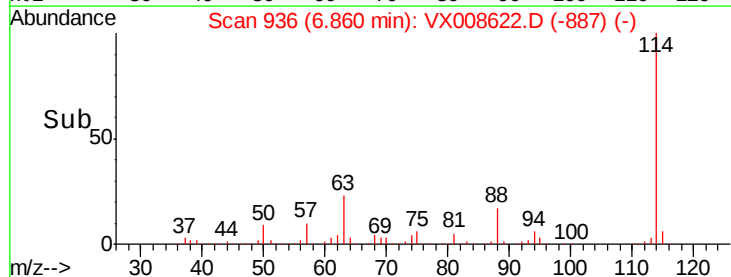
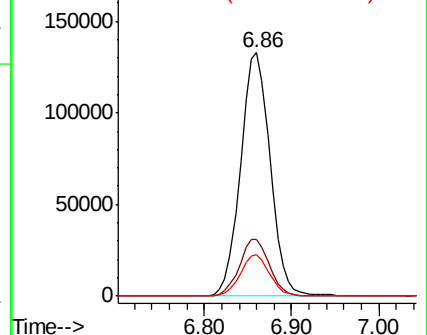
88 17.0 0.0 34.0

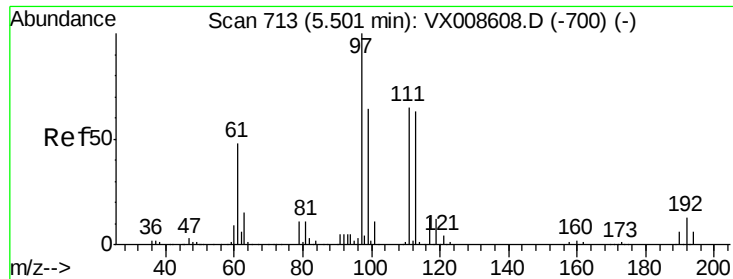


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

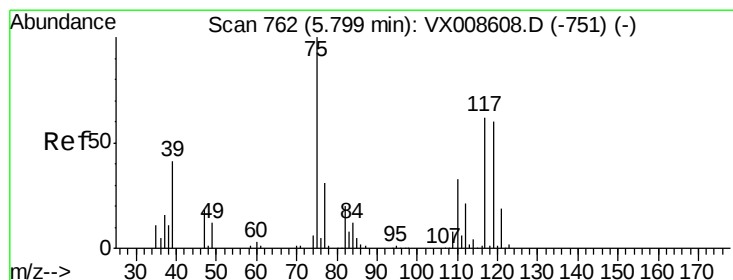
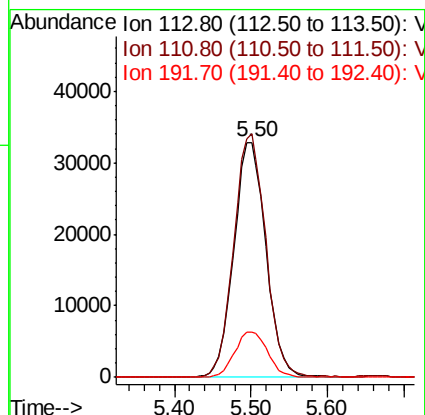
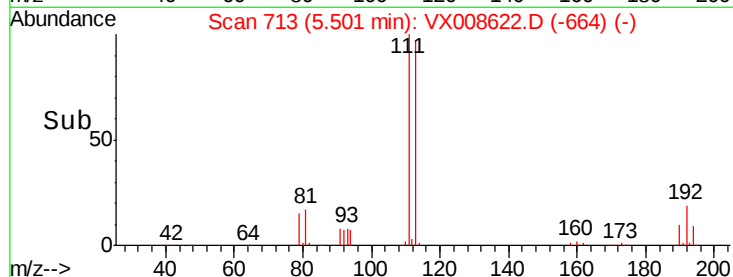
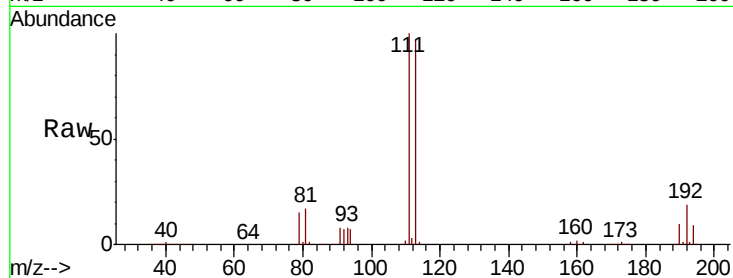




#35
 Dibromofluoromethane
 Concen: 47.774 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

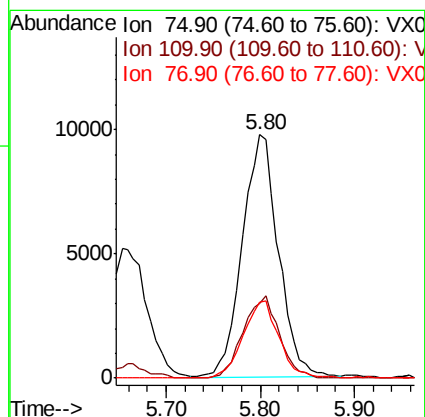
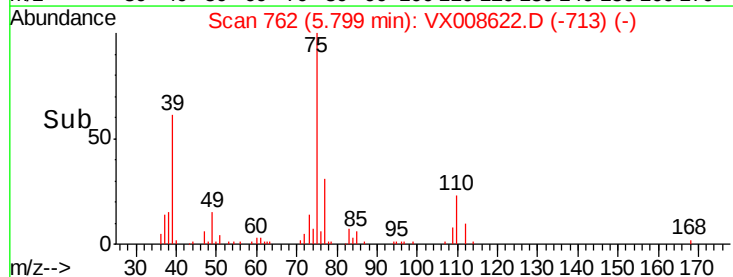
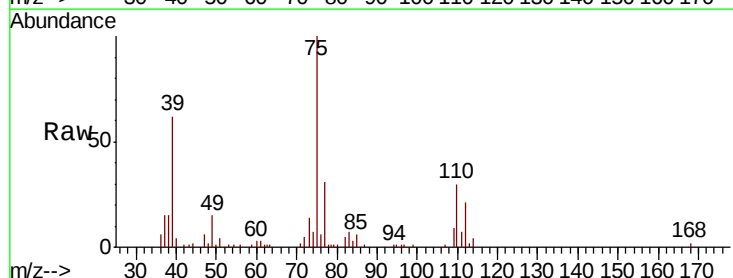
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

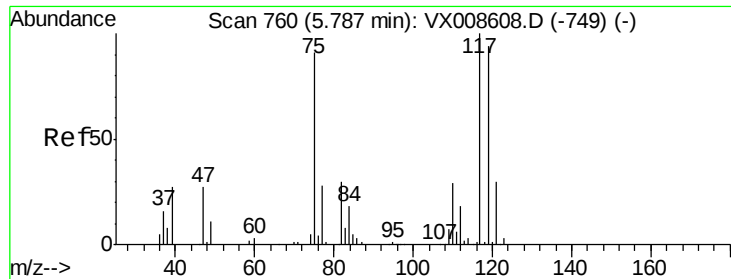
Tot Ion:113 Resp: 95450
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 7.643 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Tgt Ion: 75 Resp: 26106
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.4 49.2
 77 31.8 24.7 37.1





#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

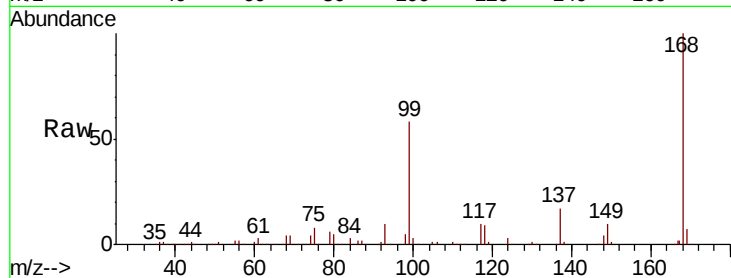
Tot Ion:117 Resp: 17823

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

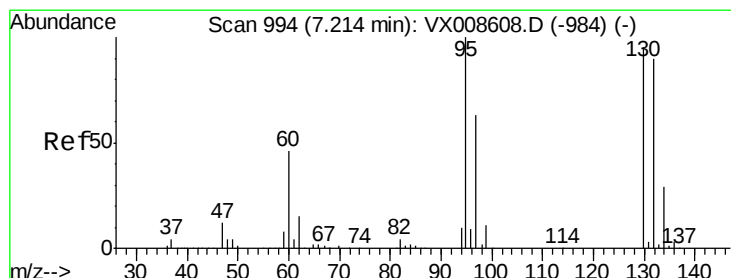
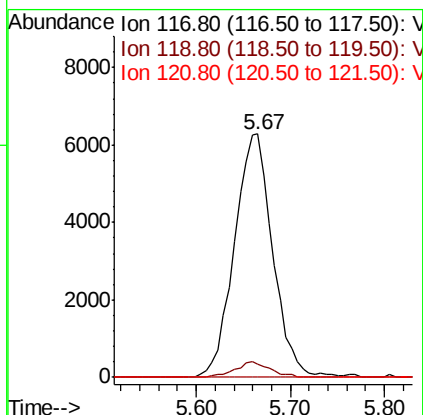
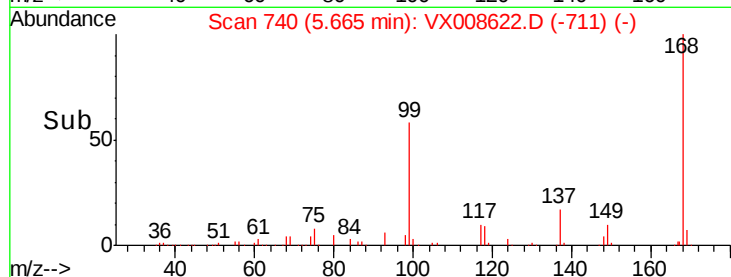
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 0.403 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX008622.D

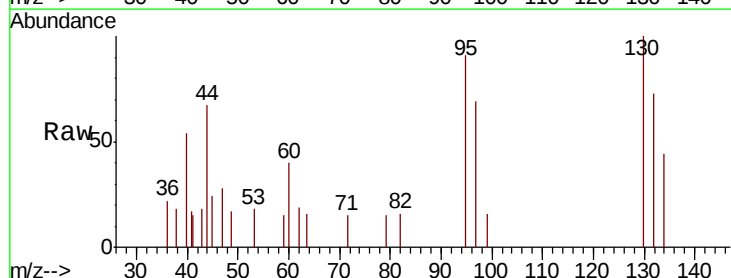
Acq: 03 Apr 2019 18:54

Tgt Ion:130 Resp: 955

Ion Ratio Lower Upper

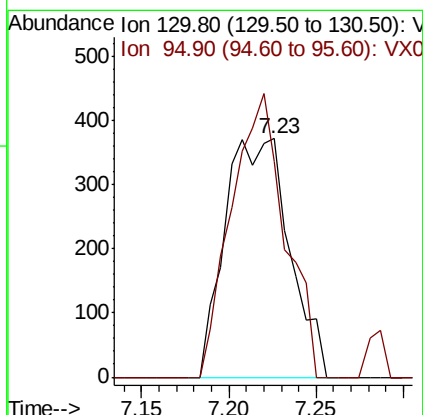
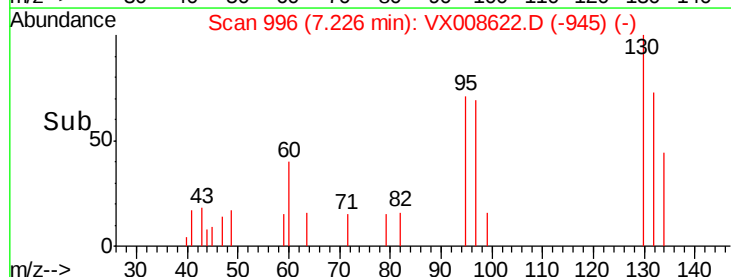
130 100

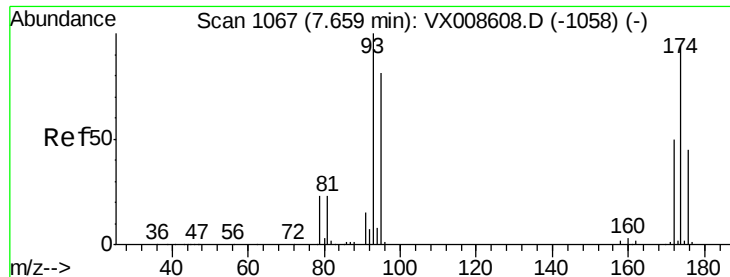
95 90.6 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

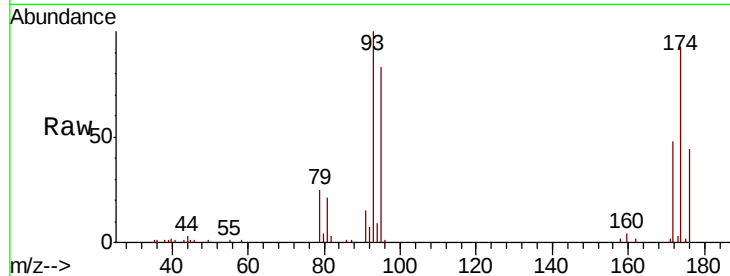




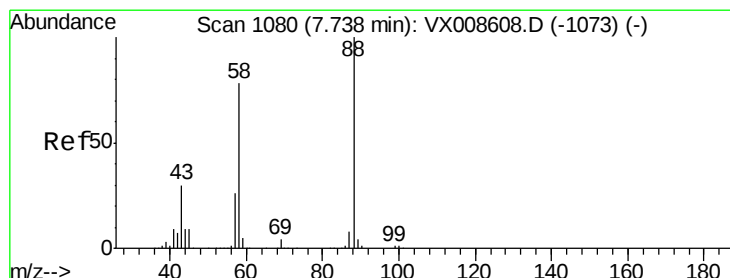
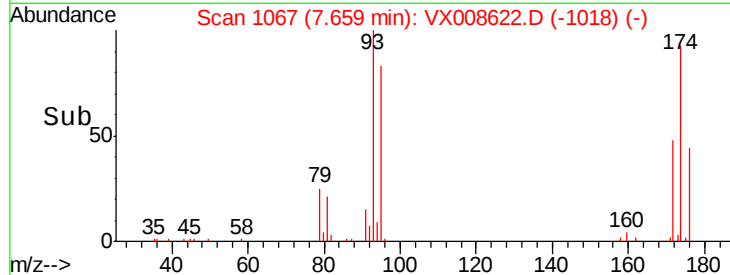
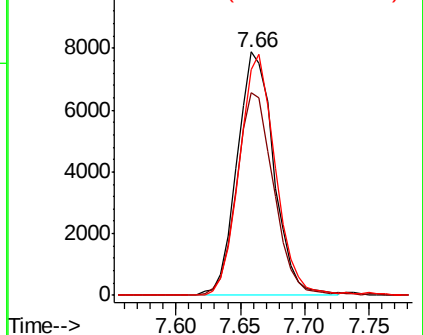
#46
Dibromomethane
Concen: 9.242 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 93 Resp: 15569
Ion Ratio Lower Upper
93 100
95 84.0 66.6 99.8
174 96.9 77.7 116.5

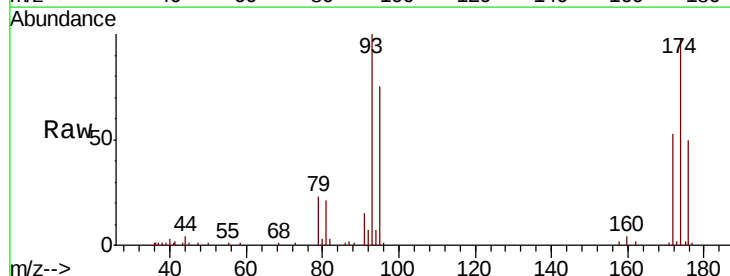


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

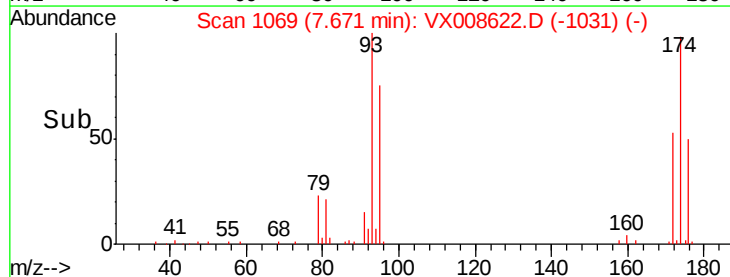
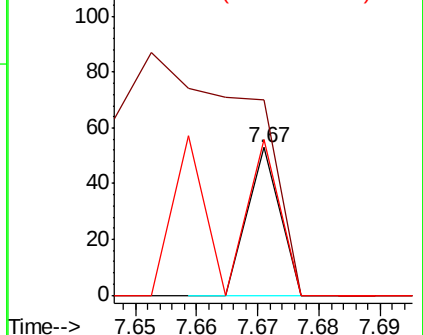


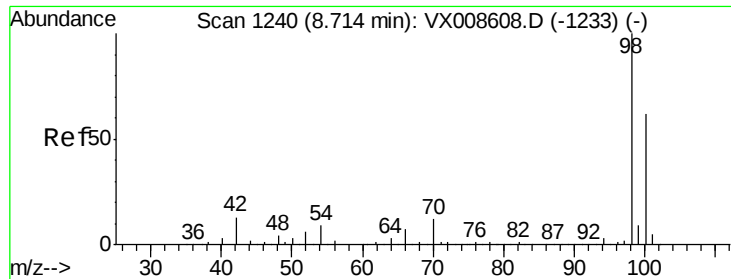
#49
1,4-Dioxane
Concen: 0.281 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.07 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 831.6 28.6 43.0#
58 215.8 62.2 93.2#



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

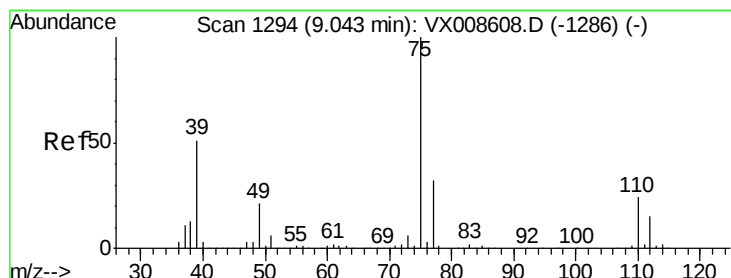
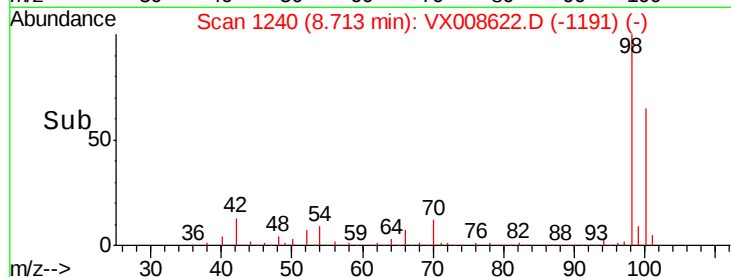
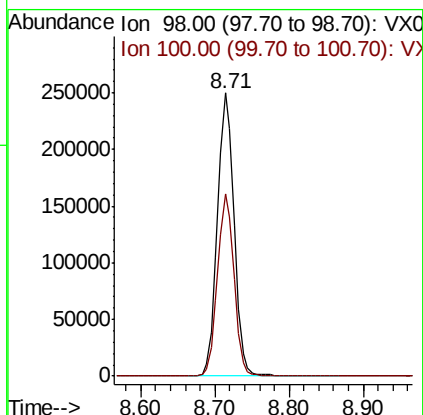
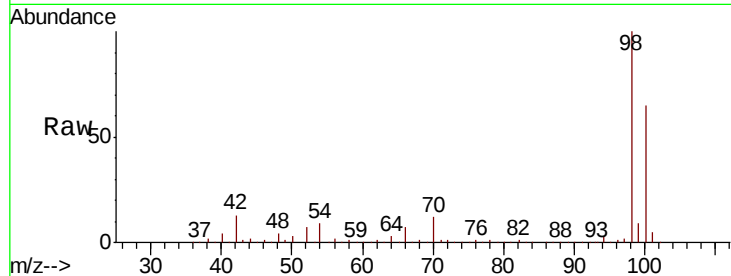




#50
Toluene-d8
Concen: 48.433 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

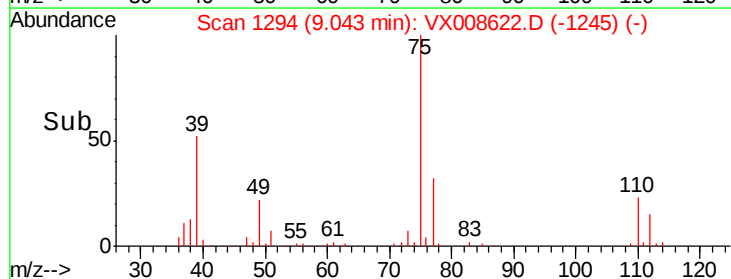
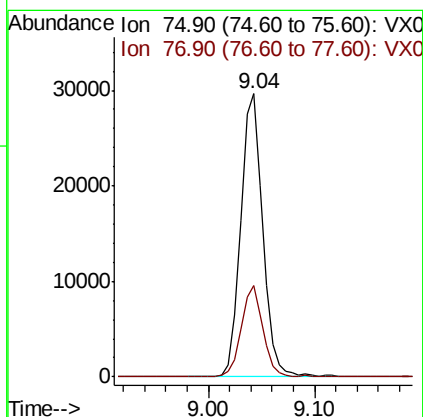
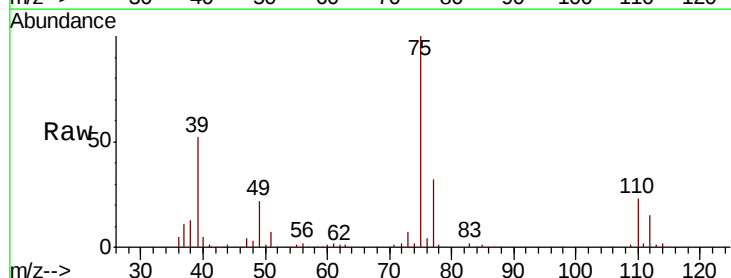
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

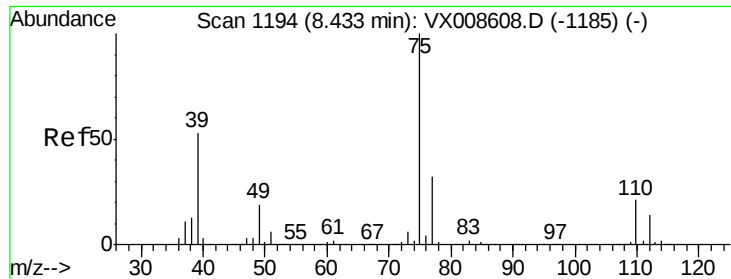
Tot Ion: 98 Resp: 385294
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#53
t-1,3-Dichloropropene
Concen: 12.163 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Tgt Ion: 75 Resp: 43276
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8



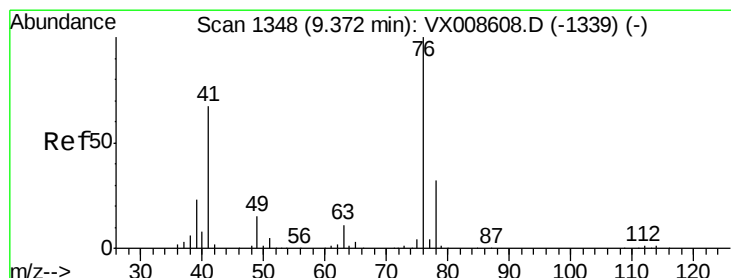
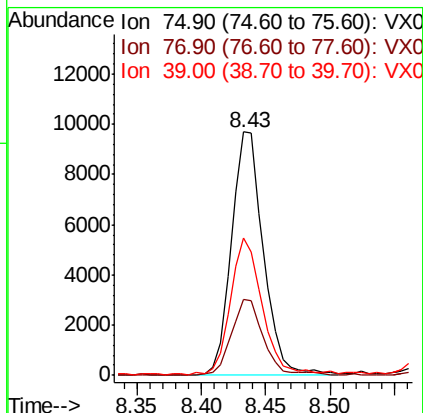
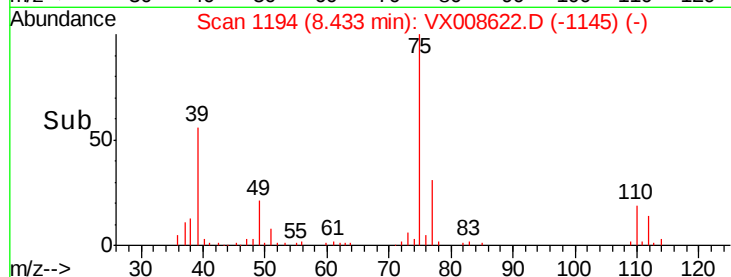
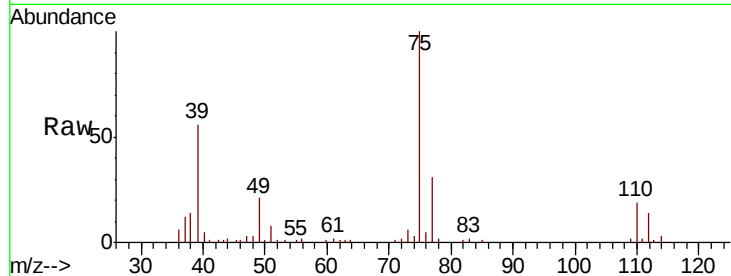


#54

cis-1,3-Dichloropropene
 Concen: 4.118 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

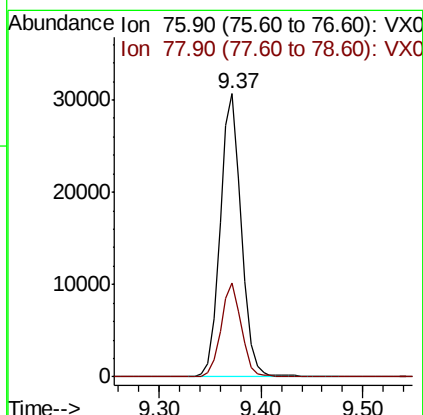
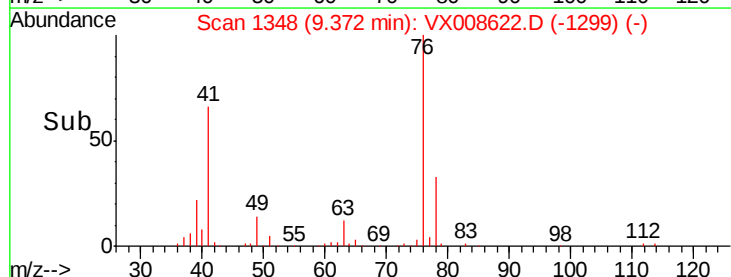
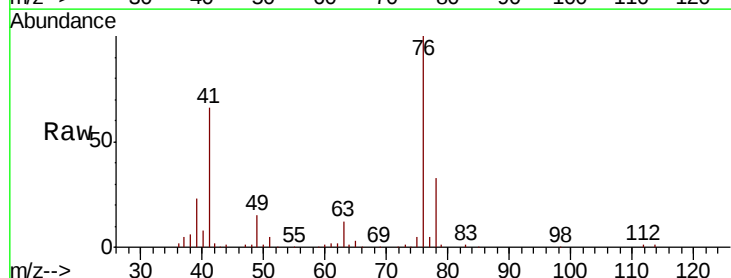
Tot Ion: 75 Resp: 16743
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9
 39 56.5 42.6 63.8

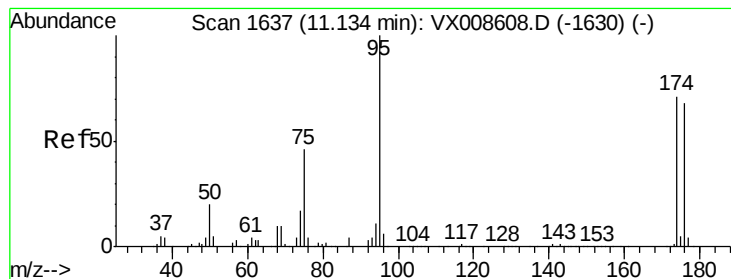


#57

1,3-Dichloropropane
 Concen: 10.243 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Tgt Ion: 76 Resp: 44293
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4





#62

4-Bromofluorobenzene

Concen: 48.731 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

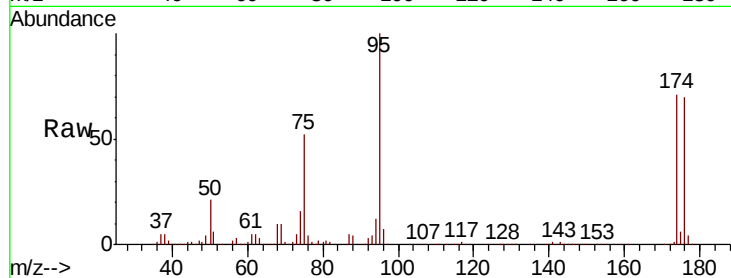
Tot Ion: 95 Resp: 137472

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.8

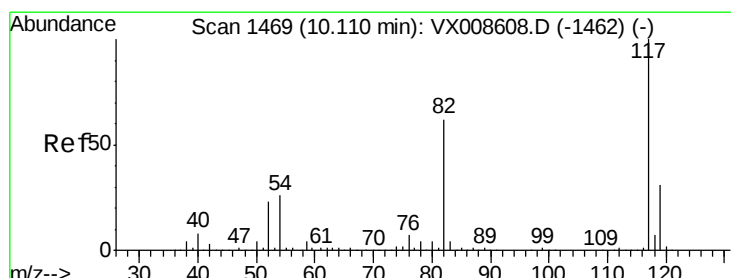
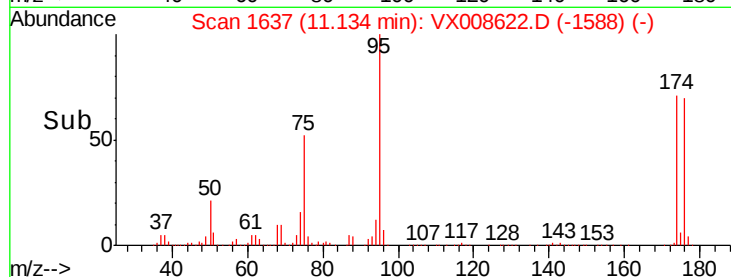
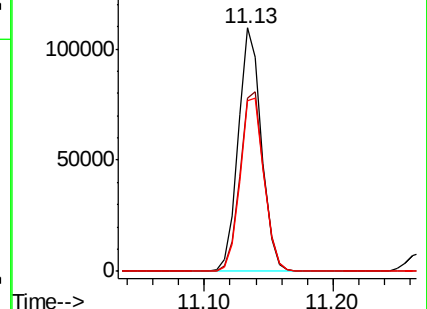
176 73.7 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

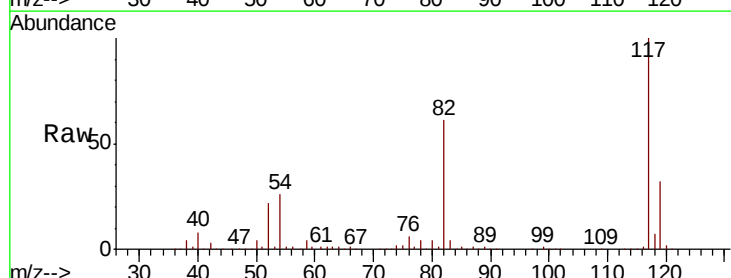
Tgt Ion: 117 Resp: 275238

Ion Ratio Lower Upper

117 100

82 61.3 49.6 74.4

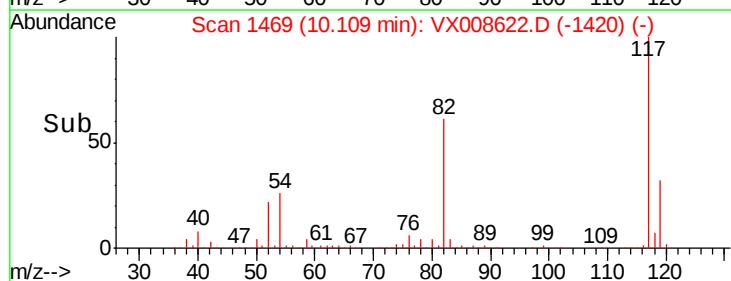
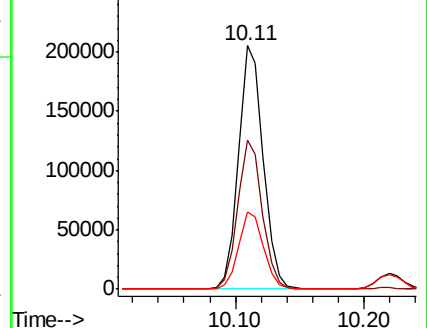
119 31.8 25.0 37.4

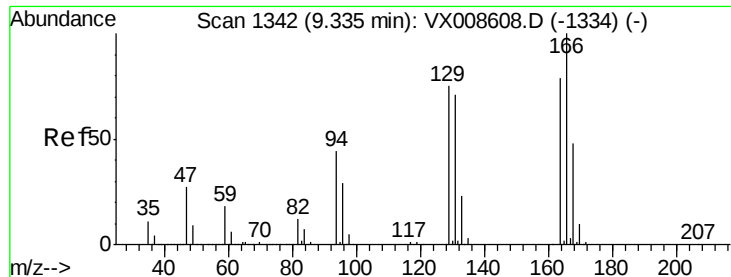


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.229 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:164 Resp: 466

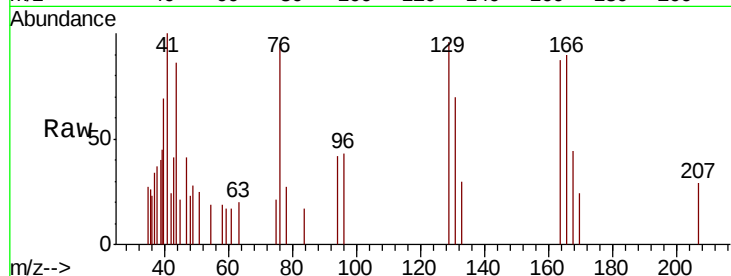
Ion Ratio Lower Upper

164 100

166 103.4 101.0 151.6

129 111.4 75.8 113.8

131 81.4 71.8 107.8

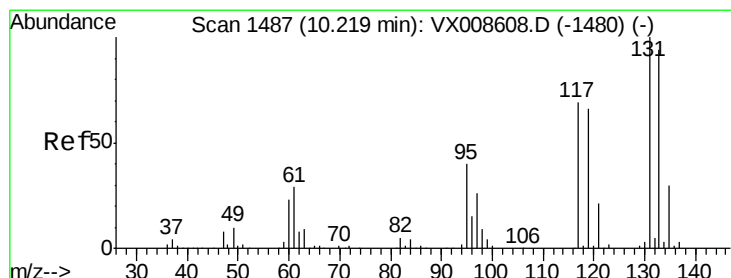
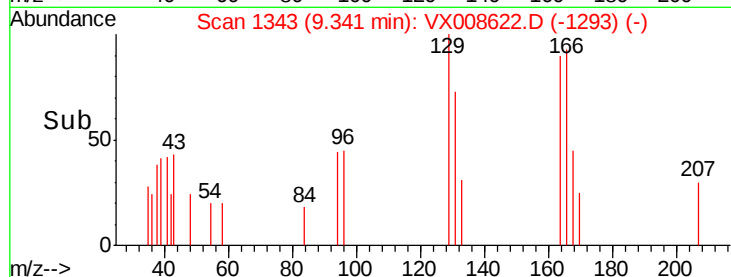
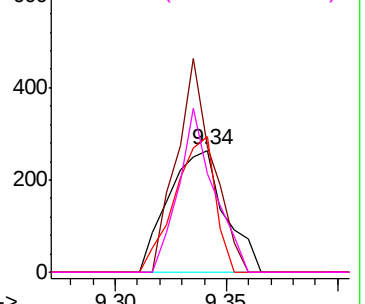


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66

1,1,1,2-Tetrachloroethane

Concen: 11.704 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

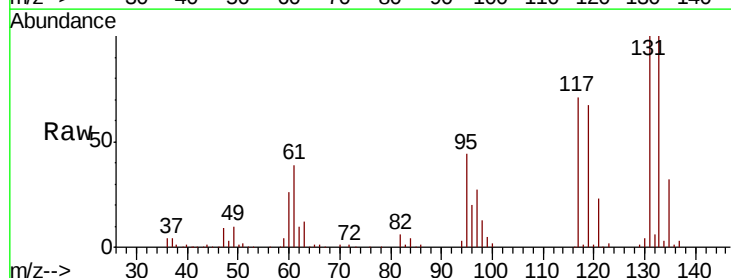
Tgt Ion:131 Resp: 25052

Ion Ratio Lower Upper

131 100

133 95.4 47.0 141.2

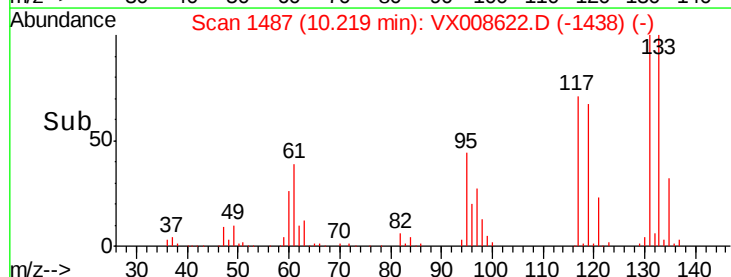
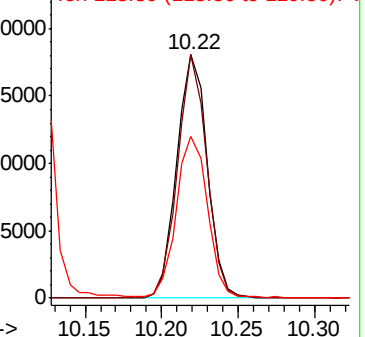
119 68.2 33.7 101.0

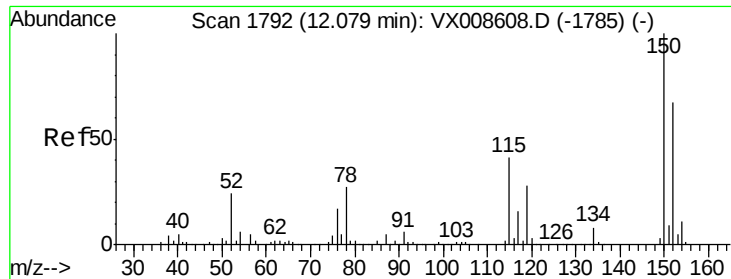


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



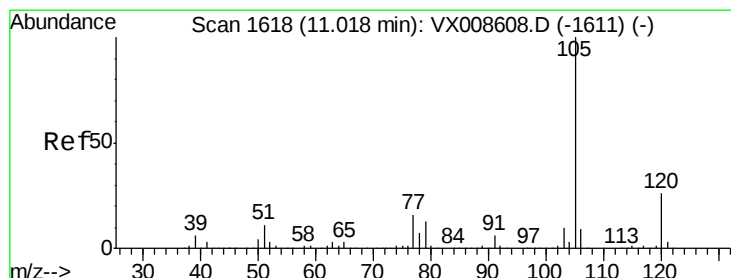
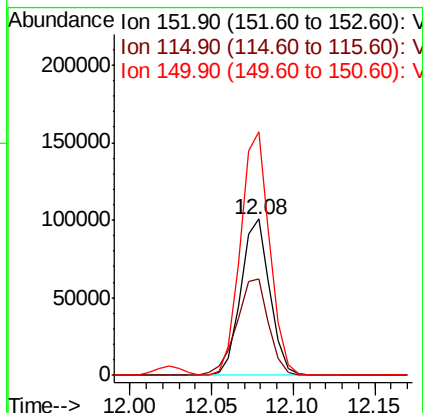
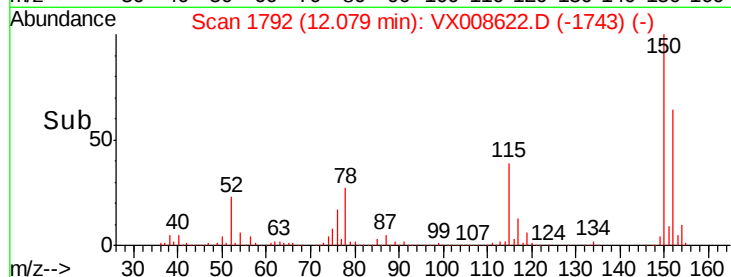
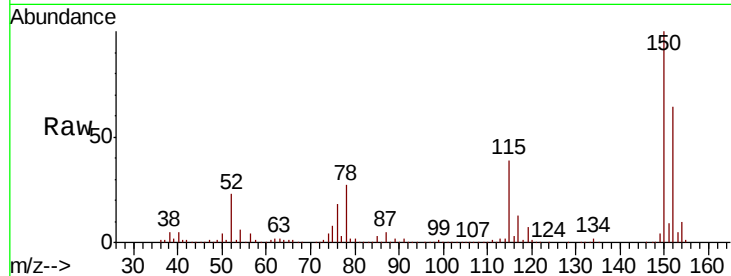


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

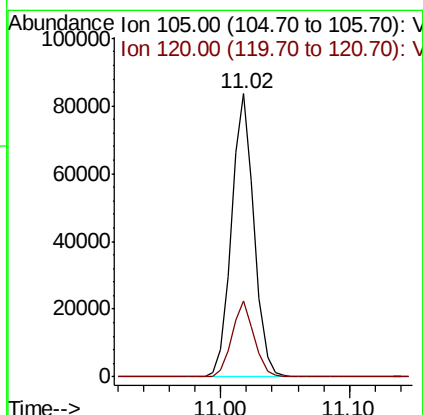
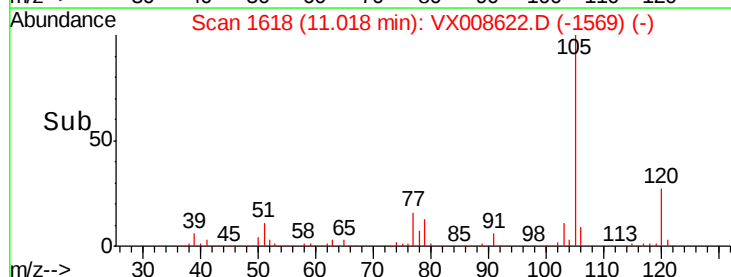
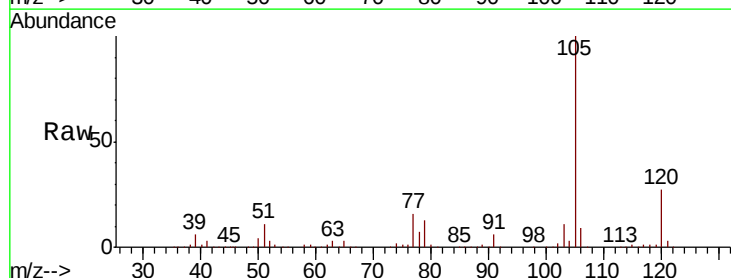
Tot Ion:152 Resp: 124128
Ion Ratio Lower Upper
152 100
115 68.5 43.5 130.5
150 157.0 0.0 348.8

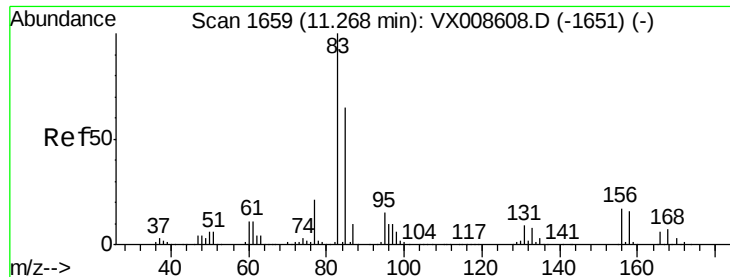


#73

Isopropylbenzene
Concen: 9.893 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Tgt Ion:105 Resp: 101770
Ion Ratio Lower Upper
105 100
120 26.3 12.9 38.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.596 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

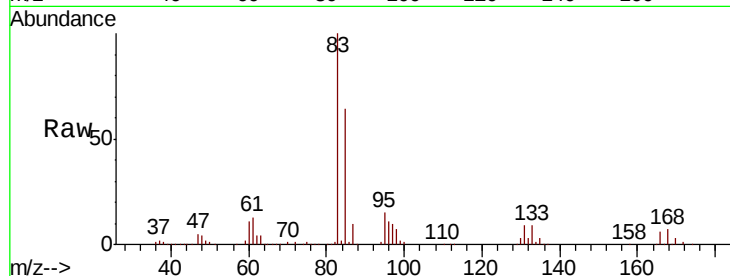
Tot Ion: 83 Resp: 68841

Ion Ratio Lower Upper

83 100

131 8.6 4.5 13.7

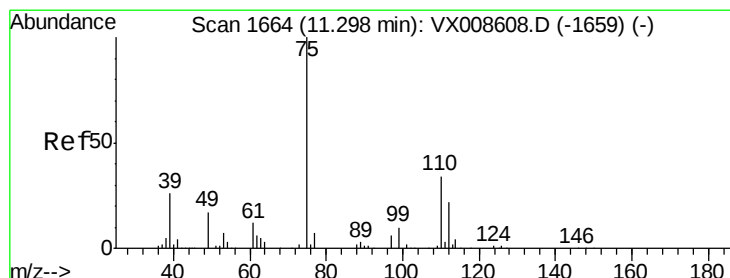
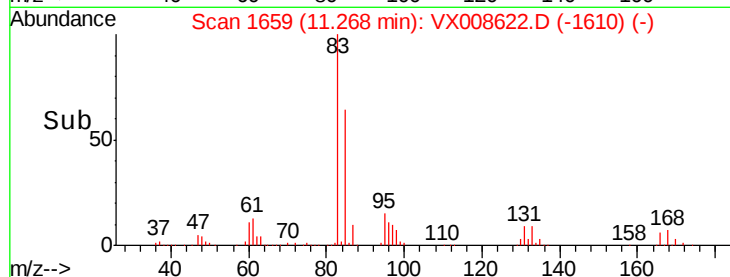
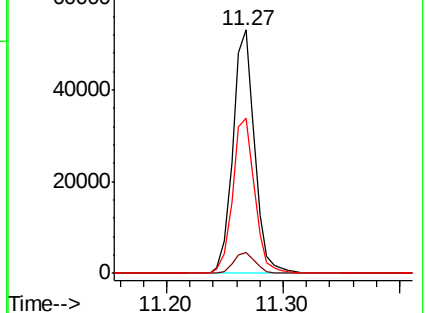
85 64.8 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 16.464 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008622.D

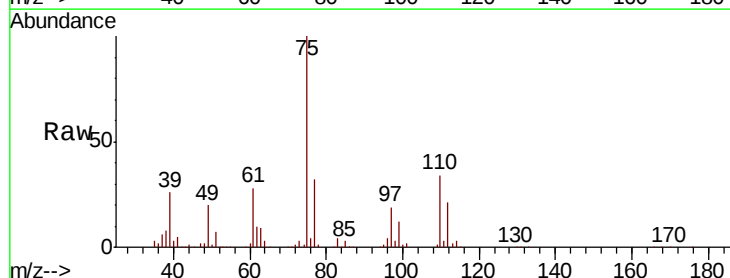
Acq: 03 Apr 2019 18:54

Tgt Ion: 75 Resp: 56142

Ion Ratio Lower Upper

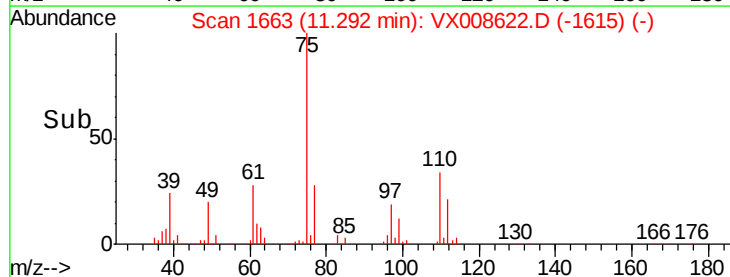
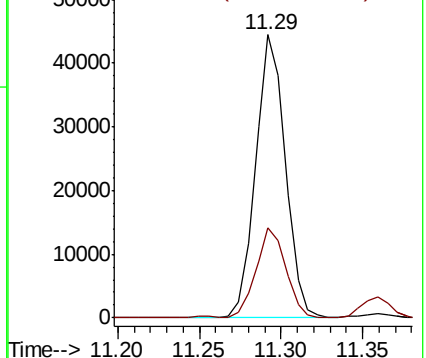
75 100

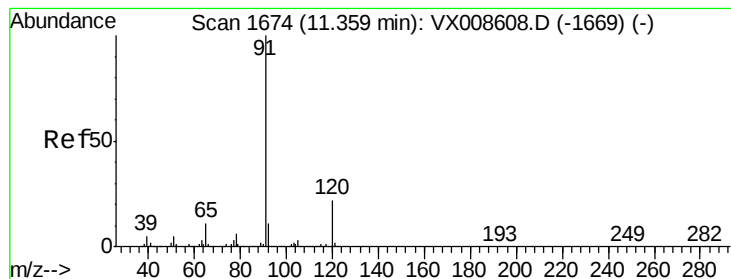
77 32.7 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 9.185 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

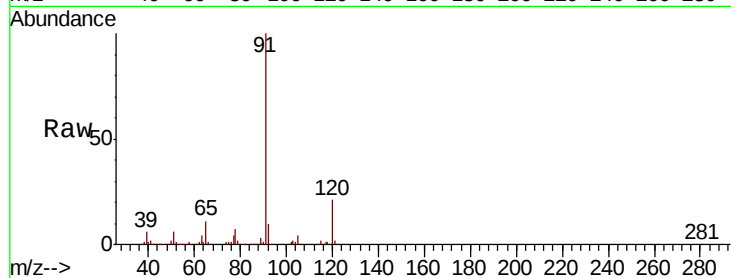
VSTDCCC050EC

Tot Ion: 91 Resp: 110018

Ion Ratio Lower Upper

91 100

120 21.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

100000

80000

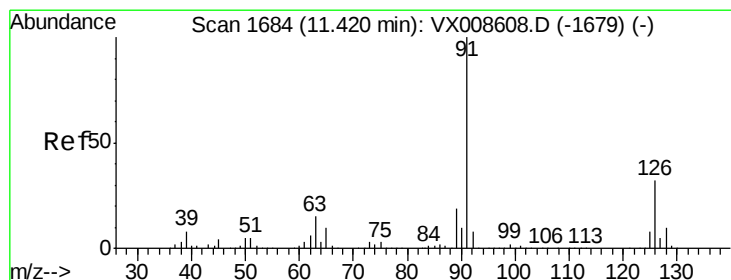
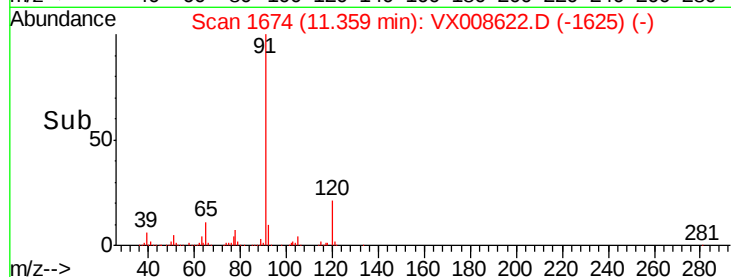
60000

40000

20000

0

Time-->



#79

2-Chlorotoluene

Concen: 6.885 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.09 min

Lab File: VX008622.D

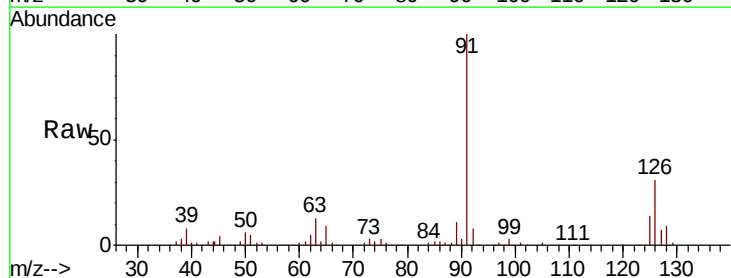
Acq: 03 Apr 2019 18:54

Tgt Ion: 91 Resp: 49908

Ion Ratio Lower Upper

91 100

126 31.7 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.51

40000

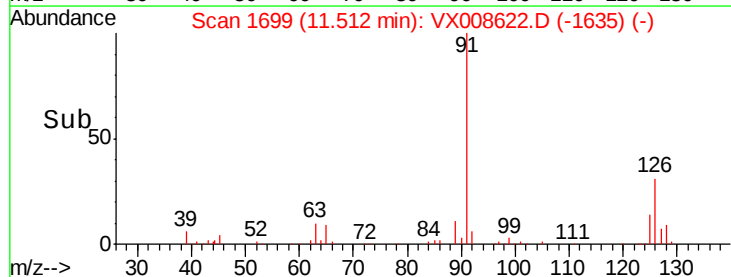
30000

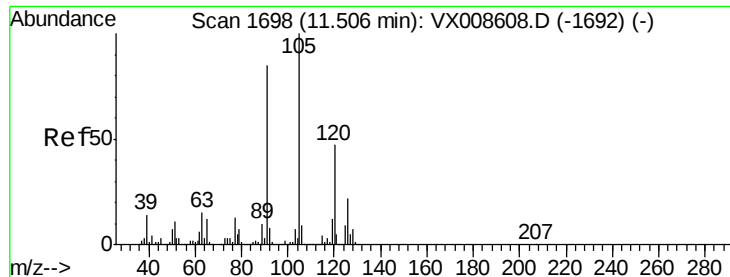
20000

10000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.455 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

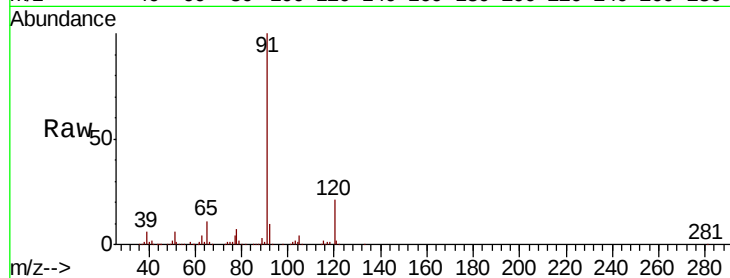
VSTDCCC050EC

Tot Ion:105 Resp: 3929

Ion Ratio Lower Upper

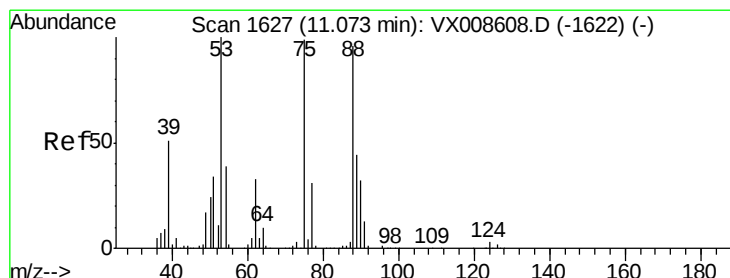
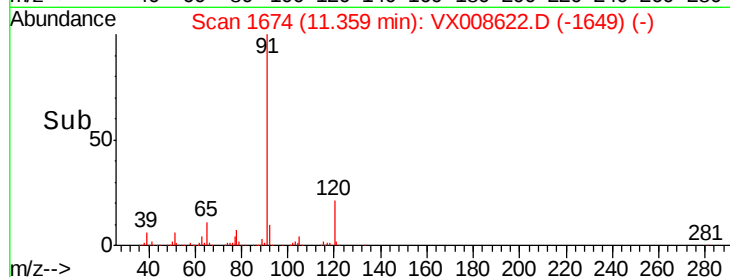
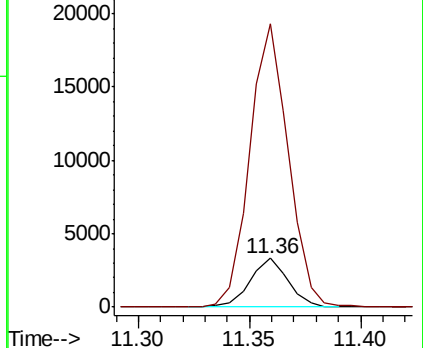
105 100

120 591.0 23.5 70.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 56.755 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

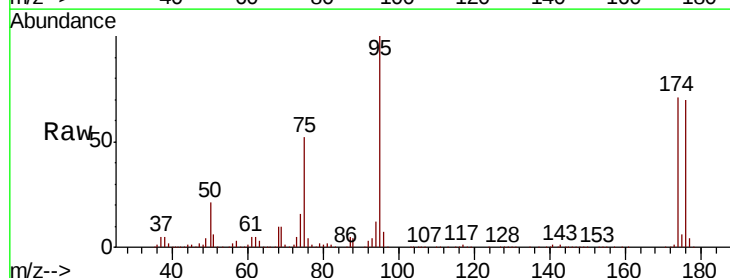
Tgt Ion: 75 Resp: 70207

Ion Ratio Lower Upper

75 100

53 0.2 81.3 121.9#

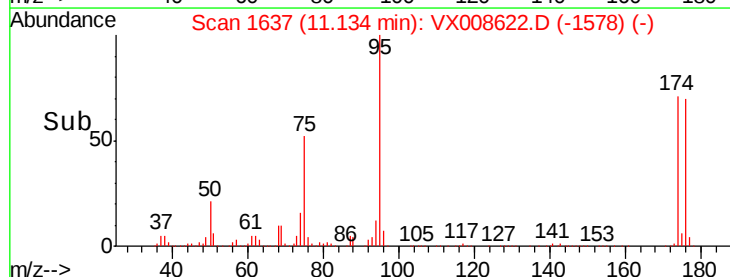
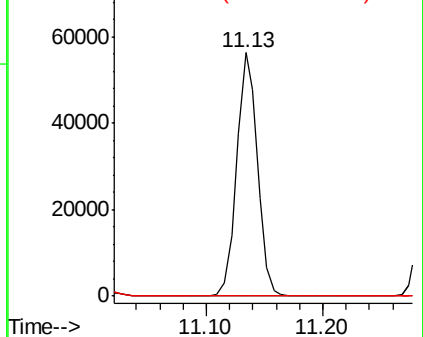
89 0.0 35.6 53.4#

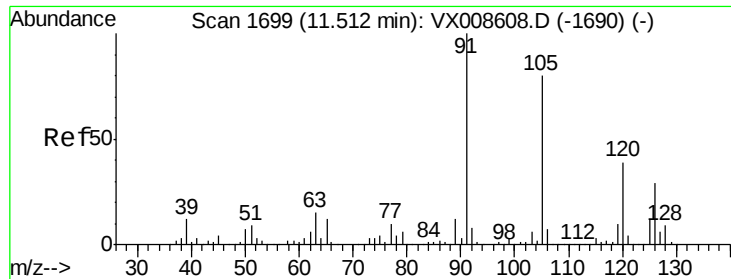


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

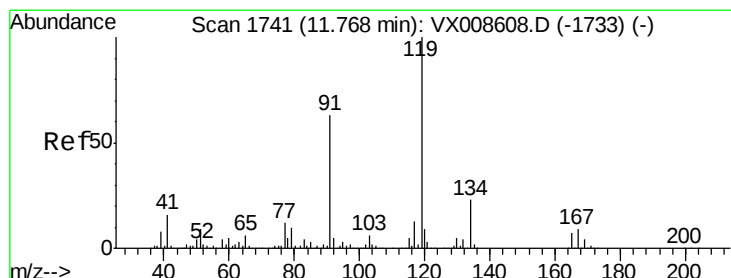
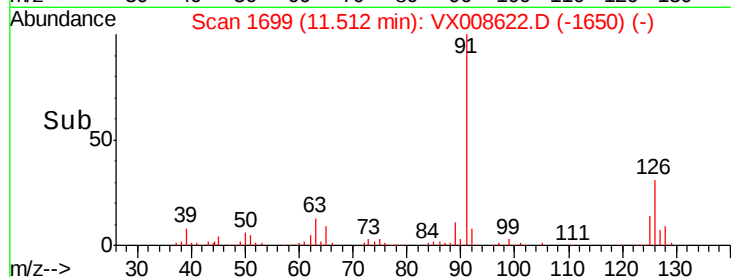
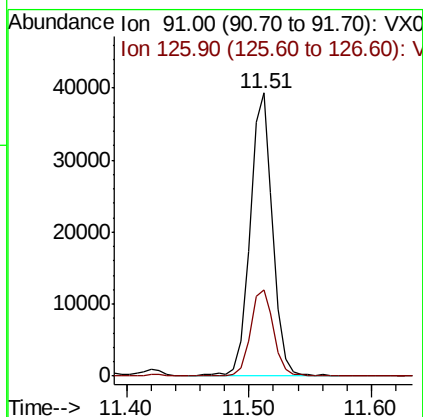
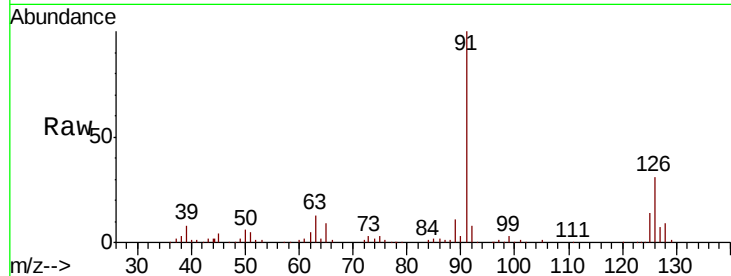




#82
4-Chlorotoluene
Concen: 5.948 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

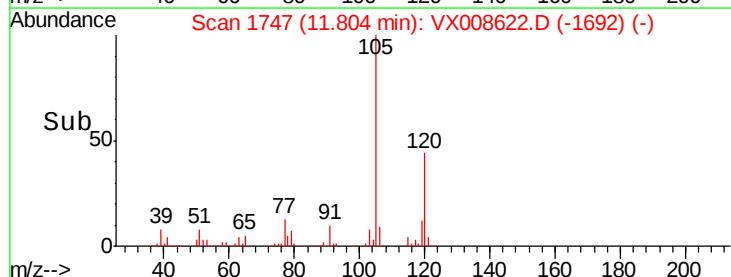
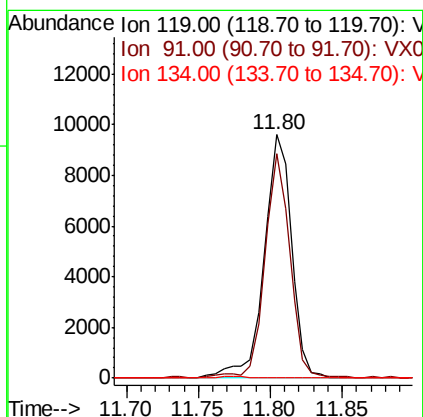
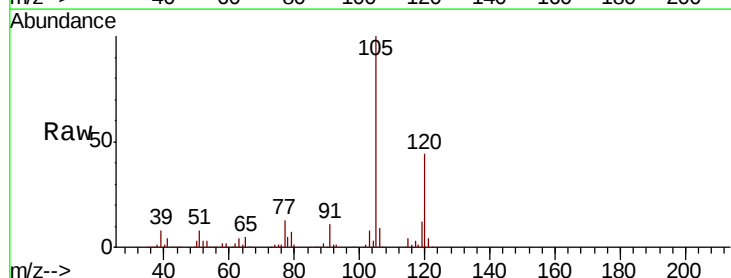
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

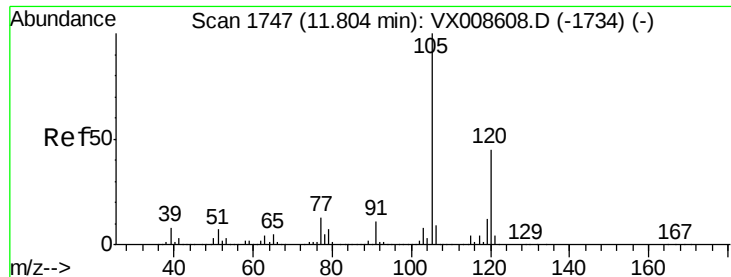
Tot Ion: 91 Resp: 49908
Ion Ratio Lower Upper
91 100
126 31.7 13.9 41.6



#83
tert-Butylbenzene
Concen: 1.523 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX008622.D
Acq: 03 Apr 2019 18:54

Tgt Ion: 119 Resp: 12649
Ion Ratio Lower Upper
119 100
91 84.4 30.0 90.1
134 0.0 11.1 33.3#





#84

1,2,4-Trimethylbenzene

Concen: 11.242 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

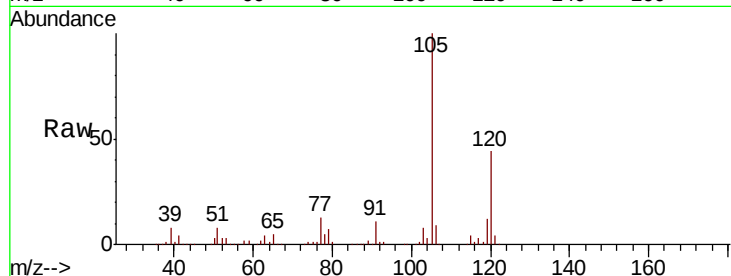
VSTDCCC050EC

Tot Ion:105 Resp: 98292

Ion Ratio Lower Upper

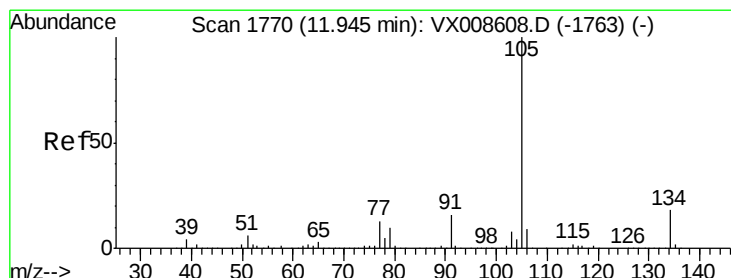
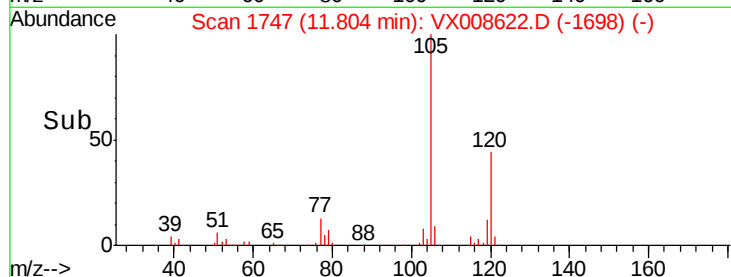
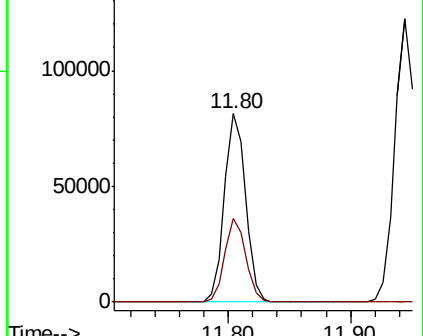
105 100

120 43.8 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 14.757 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008622.D

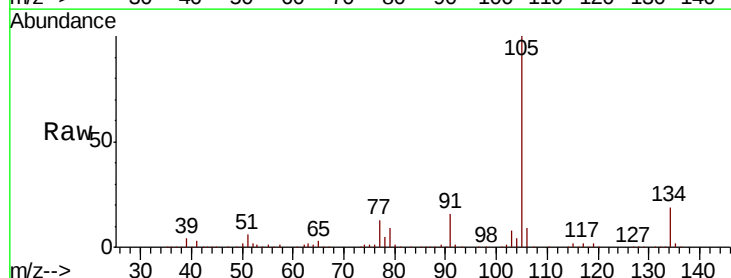
Acq: 03 Apr 2019 18:54

Tgt Ion:105 Resp: 145620

Ion Ratio Lower Upper

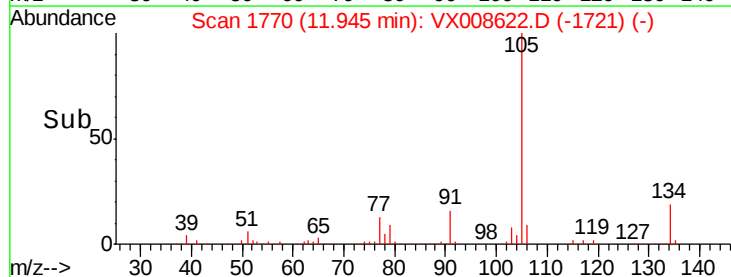
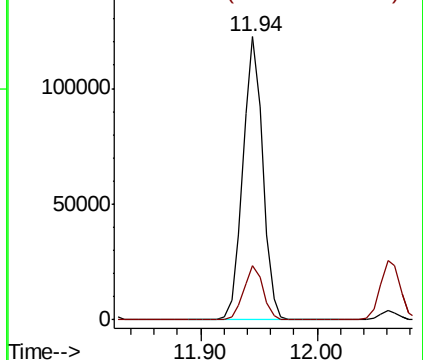
105 100

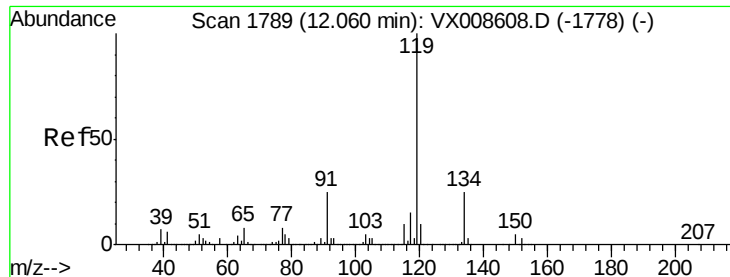
134 18.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

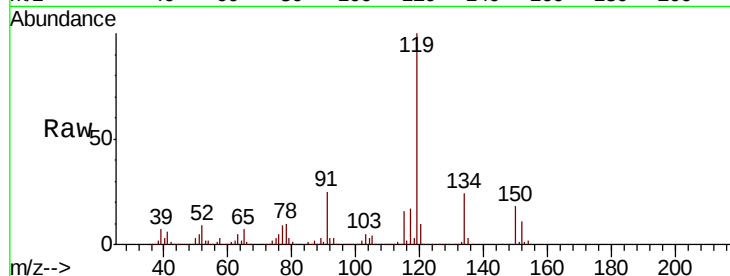




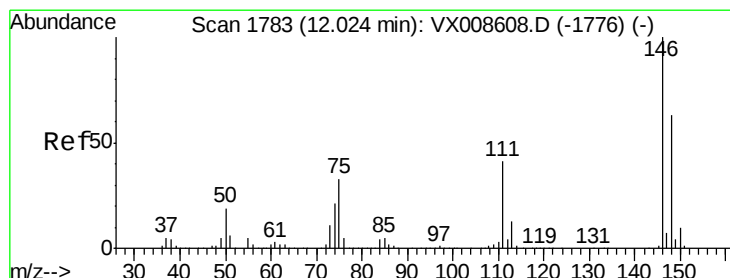
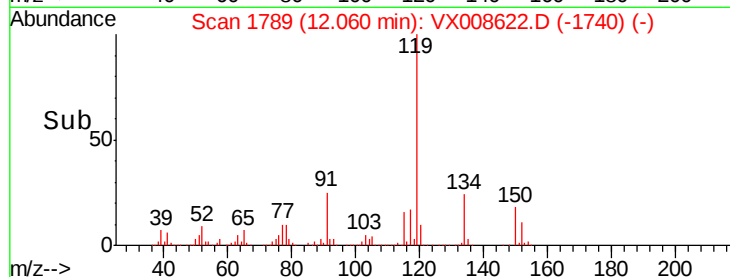
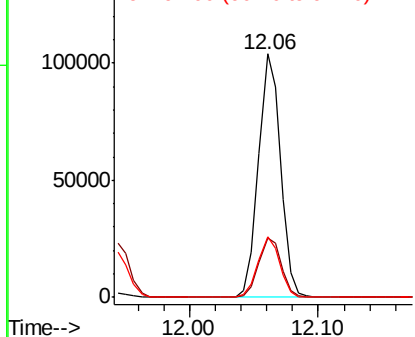
#86
 p-Isopropyltoluene
 Concen: 13.758 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.4
91	24.8	12.2	36.6

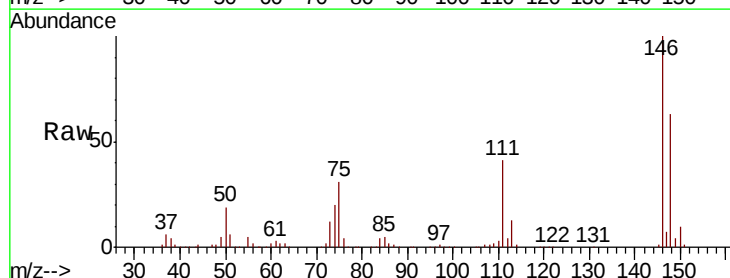


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

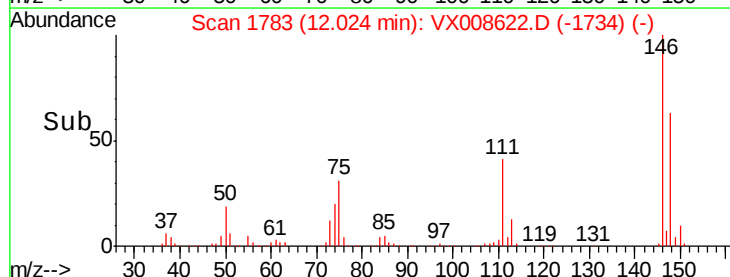
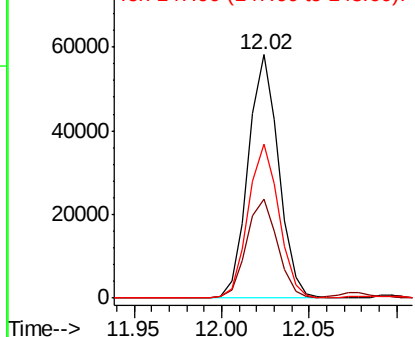


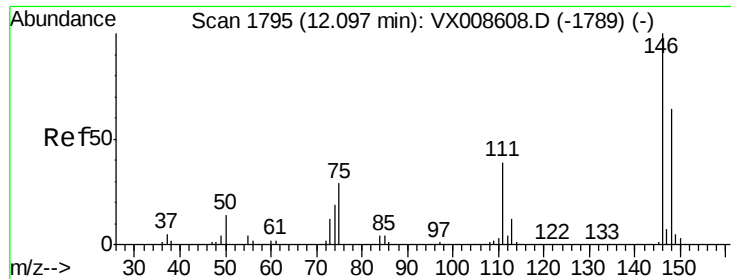
#87
 1,3-Dichlorobenzene
 Concen: 15.876 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	64.0	31.6	94.7



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

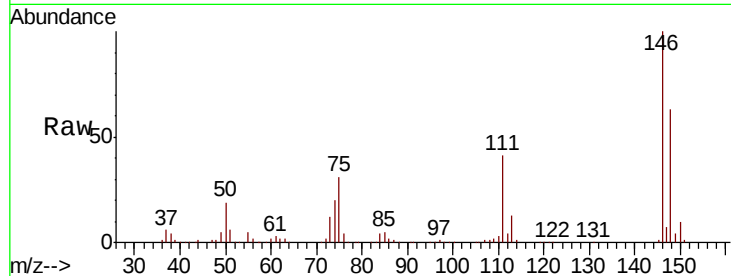




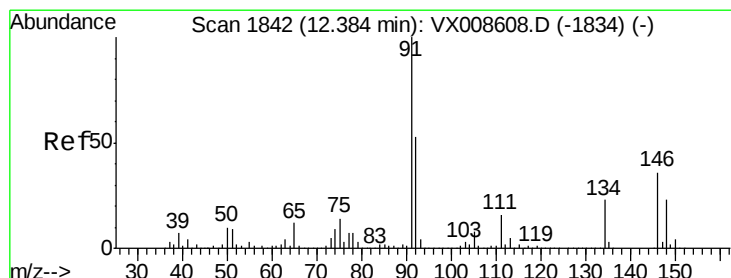
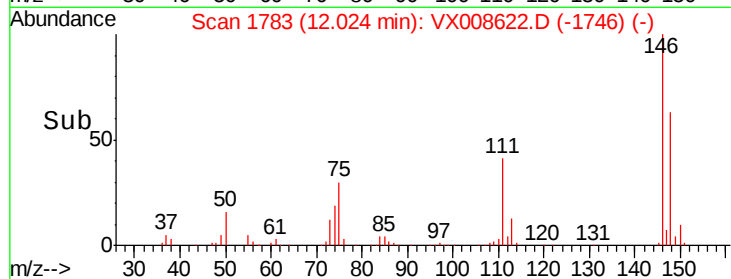
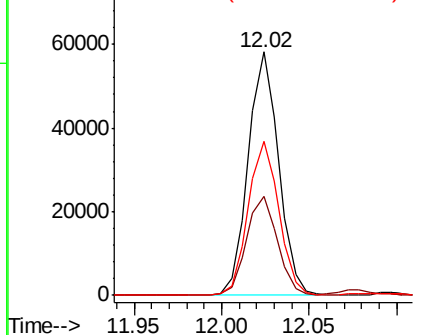
#88
 1,4-Dichlorobenzene
 Concen: 15.678 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 70285
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.2 60.6
 148 64.0 32.0 96.0

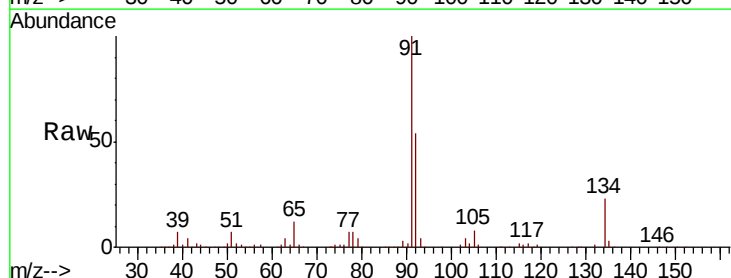


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

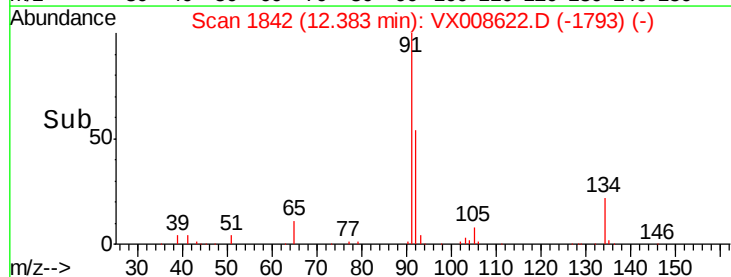
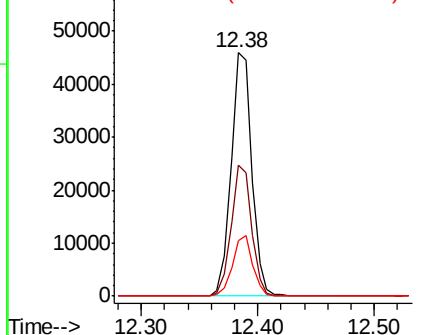


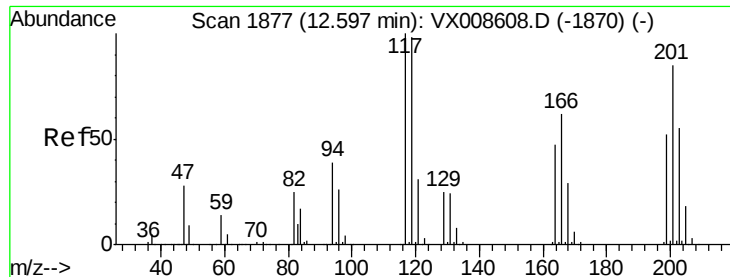
#89
 n-Butylbenzene
 Concen: 6.887 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Tgt Ion: 91 Resp: 57206
 Ion Ratio Lower Upper
 91 100
 92 53.0 26.4 79.2
 134 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.317 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

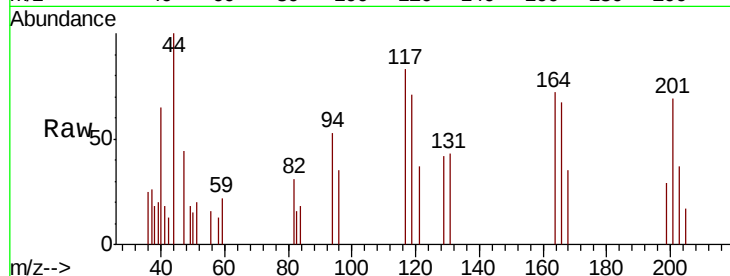
VSTDCCC050EC

Tot Ion:117 Resp: 465

Ion Ratio Lower Upper

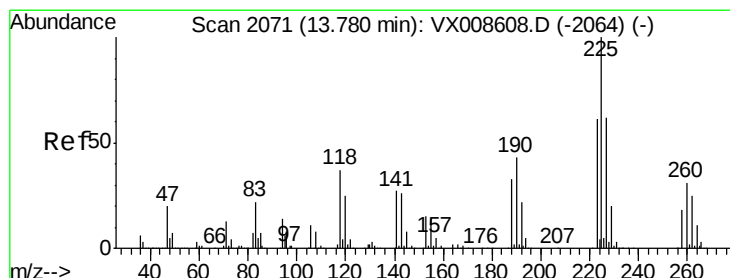
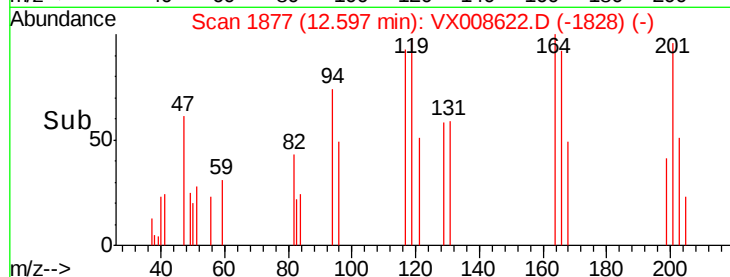
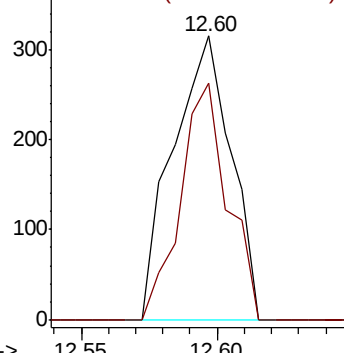
117 100

201 67.7 40.6 122.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#94

Hexachlorobutadiene

Concen: 32.260 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008622.D

Acq: 03 Apr 2019 18:54

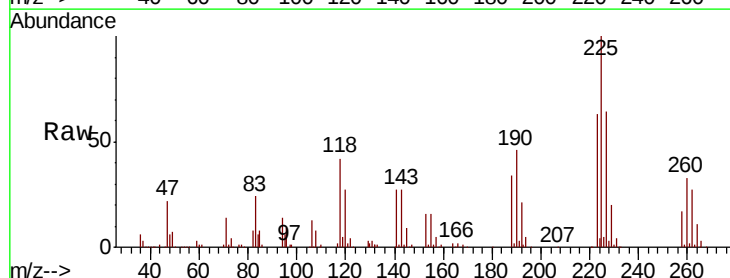
Tgt Ion:225 Resp: 47285

Ion Ratio Lower Upper

225 100

223 62.5 31.2 93.6

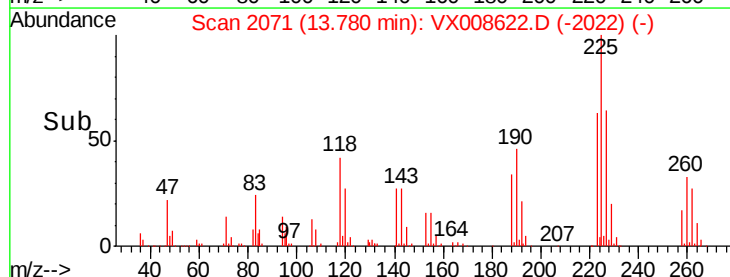
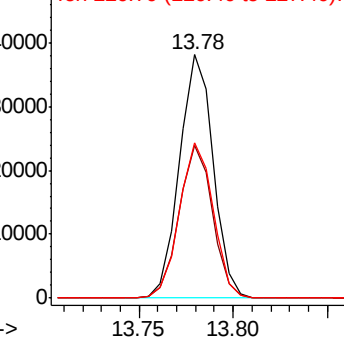
227 63.9 31.9 95.5

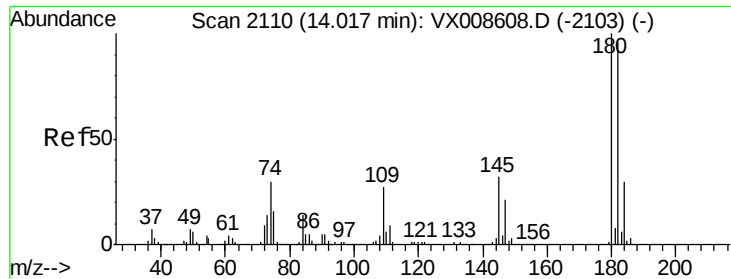


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

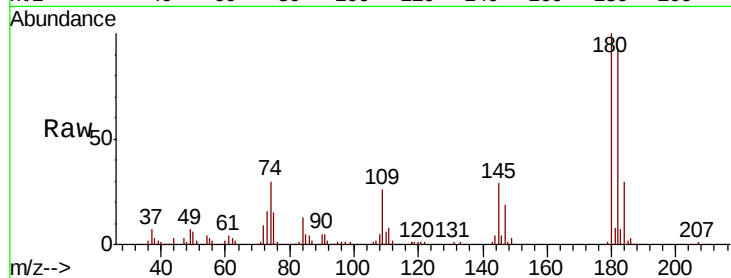




#96
 1,2,3-Trichlorobenzene
 Concen: 6.804 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008622.D
 Acq: 03 Apr 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	31.2	16.3	48.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

