

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007407.D
 Acq On : 06 Feb 2019 18:37
 Operator : JC/SP
 Sample : K1392-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Quant Time: Feb 07 00:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	525698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	814932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	782062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	286876	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	5.51	113	260798	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	987760	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	369560	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1666	0.281	ug/l 90
4) Vinyl Chloride	1.41	62	55962	9.634	ug/l 91
5) Bromomethane	1.64	94	760	Below Cal	# 37
6) Chloroethane	1.59	64	37203	9.900	ug/l # 47
11) Tert butyl alcohol	3.07	59	6223	5.389	ug/l 95
13) Acrolein	2.28	56	1131	2.089	ug/l # 1
16) Acetone	2.45	43	19177	7.503	ug/l 91
17) Carbon Disulfide	2.59	76	8543	2.744	ug/l # 76
18) Methyl Acetate	2.78	43	1711	0.847	ug/l 91
20) Methylene Chloride	2.85	84	1627	Below Cal	# 89
21) trans-1,2-Dichloroethene	3.17	96	14882	2.783	ug/l 95
25) 2-Butanone	4.70	43	5313	1.461	ug/l # 69
27) cis-1,2-Dichloroethene	4.60	96	1544000	264.379	ug/l 91
29) Tetrahydrofuran	5.13	42	692	0.302	ug/l # 31
31) Cyclohexane	5.58	56	6779	0.874	ug/l # 77
36) 1,1-Dichloropropene	5.67	75	34691	4.744	ug/l # 50
38) Carbon Tetrachloride	5.66	117	47651	6.717	ug/l # 16
39) Methylcyclohexane	7.46	83	11236	1.270	ug/l 92
40) Benzene	6.15	78	30332	1.408	ug/l 99
44) Trichloroethene	7.23	130	3539	0.546	ug/l 91
49) 1,4-Dioxane	7.74	88	141	7.958	ug/l # 37
51) 4-Methyl-2-Pentanone	8.65	43	3987	0.531	ug/l 98
52) Toluene	8.79	92	620811	44.674	ug/l 100
59) 2-Hexanone	9.50	43	2160	0.370	ug/l 89
64) Tetrachloroethene	9.33	164	2803	0.380	ug/l # 88
67) Ethyl Benzene	10.25	91	237751	8.651	ug/l 99
68) m/p-Xylenes	10.36	106	661125	60.516	ug/l 100
69) o-Xylene	10.70	106	405002	38.526	ug/l 99
70) Styrene	10.70	104	18853	1.106	ug/l # 1
73) Isopropylbenzene	11.02	105	26665	0.975	ug/l 100
74) N-amyl acetate	10.91	43	3072	0.290	ug/l # 1
75) 1,1,2,2-Tetrachloroethane	11.27	83	2766	0.332	ug/l # 26
76) 1,2,3-Trichloropropane	11.43	75	8047	1.028	ug/l # 1
78) n-propylbenzene	11.36	91	70847	2.362	ug/l 100

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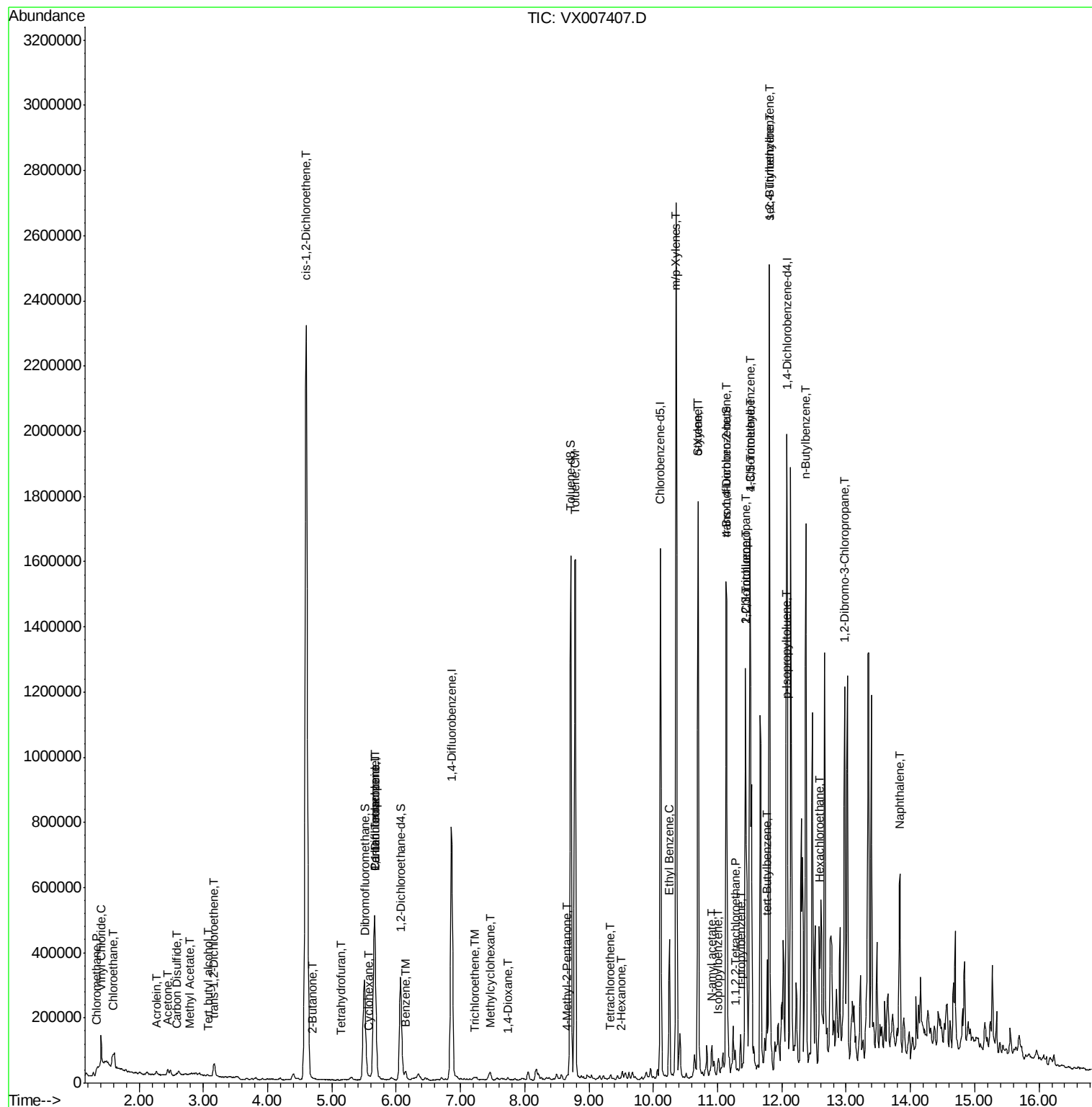
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.43	91	117128	6.434	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.51	105	679079	30.339	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	175287	67.563	ug/l #	9
82) 4-Chlorotoluene	11.51	91	70586	3.351	ug/l #	44
83) tert-Butylbenzene	11.77	119	41214	1.860	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	1034888	45.542	ug/l	98
85) sec-Butylbenzene	11.80	105	1034888	38.585	ug/l #	55
86) p-Isopropyltoluene	12.06	119	77973	3.221	ug/l	96
89) n-Butylbenzene	12.37	91	135446	6.503	ug/l #	1
90) Hexachloroethane	12.58	117	17292	4.772	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	3518	2.029	ug/l #	1
95) Naphthalene	13.83	128	345613	12.729	ug/l	99

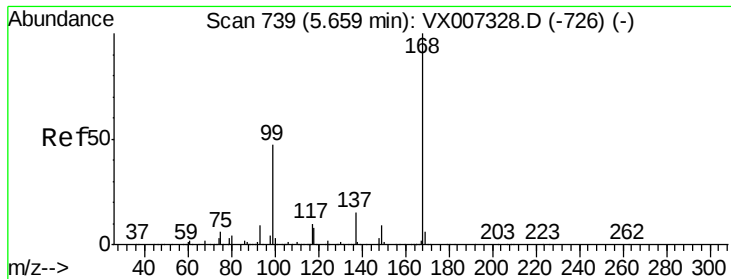
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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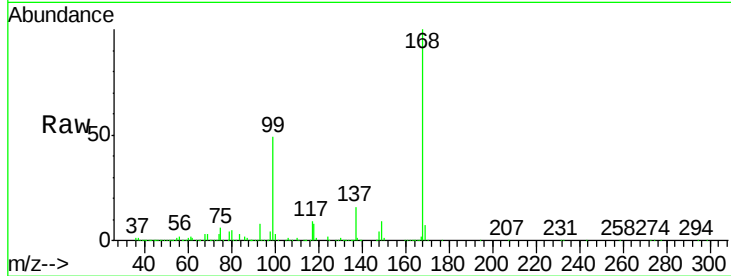


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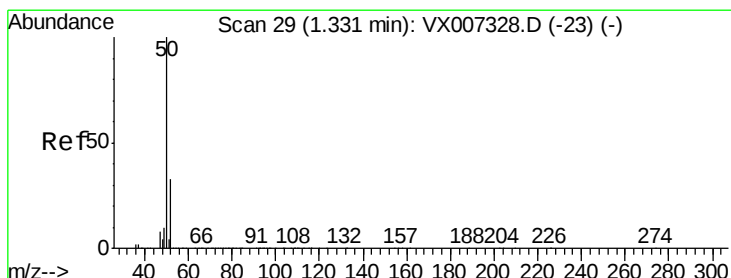
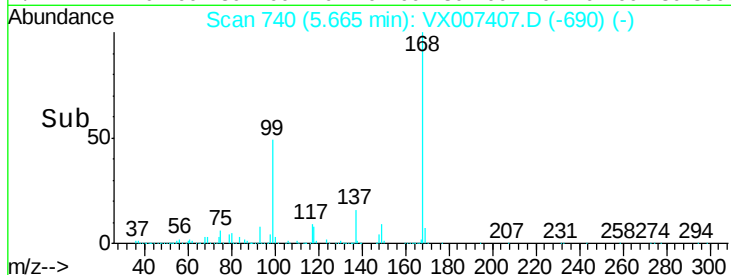
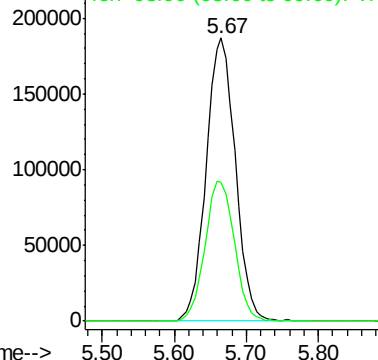
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Instrument :
 MSVOA_X
 ClientSampled :
 DUP-1

Tot Ion:168 Resp: 525698
 Ion Ratio Lower Upper
 168 100
 99 49.1 37.9 56.9



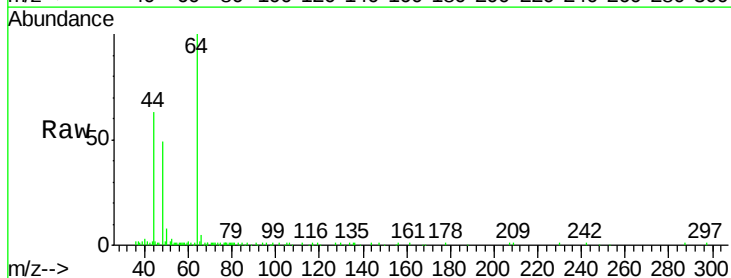
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



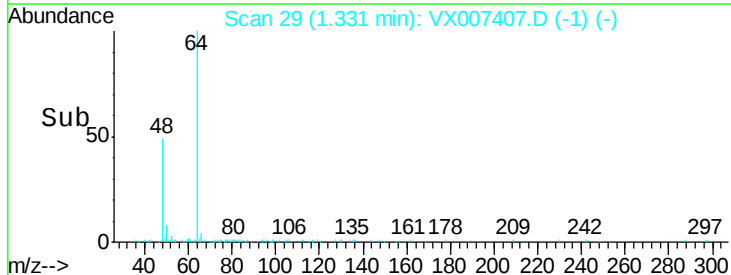
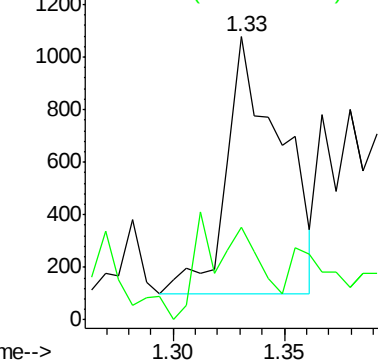
#3

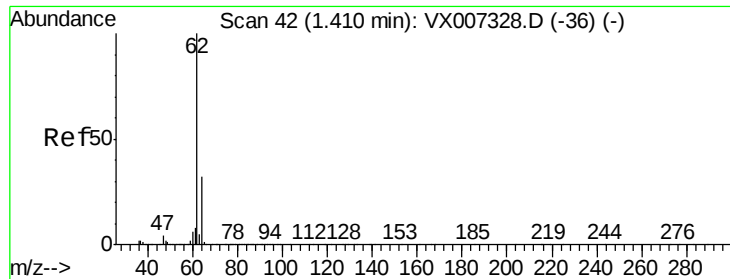
Chloromethane
 Concen: 0.281 ug/l
 RT: 1.33 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion: 50 Resp: 1666
 Ion Ratio Lower Upper
 50 100
 52 26.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 9.634 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampled :

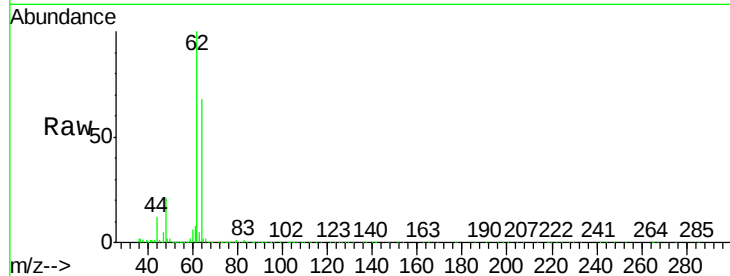
DUP-1

Tot Ion: 62 Resp: 55962

Ion Ratio Lower Upper

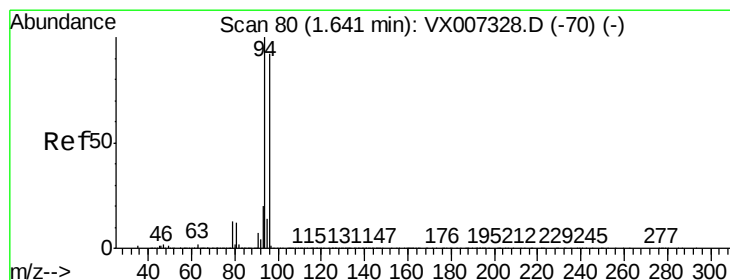
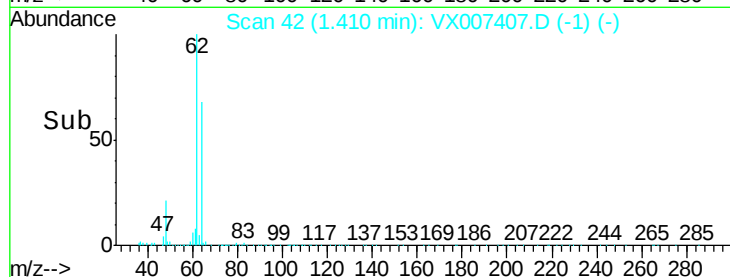
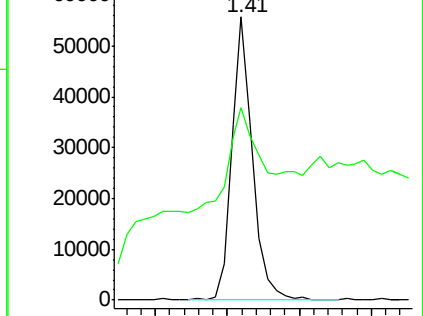
62 100

64 36.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007407.D

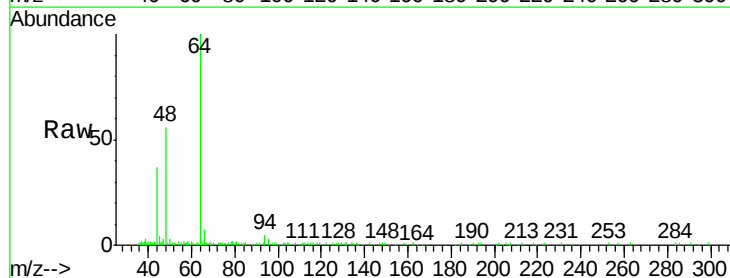
Acq: 06 Feb 2019 18:37

Tgt Ion: 94 Resp: 760

Ion Ratio Lower Upper

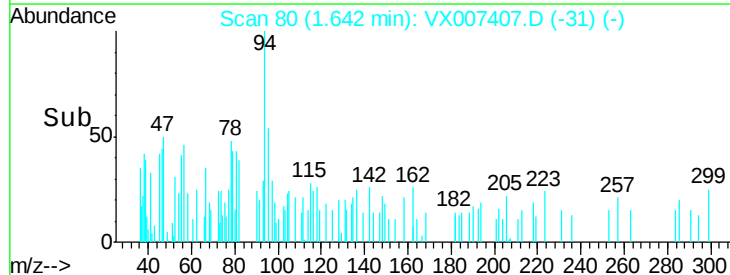
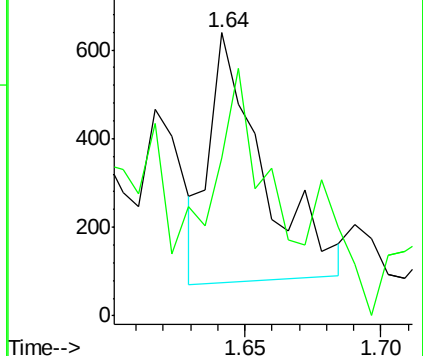
94 100

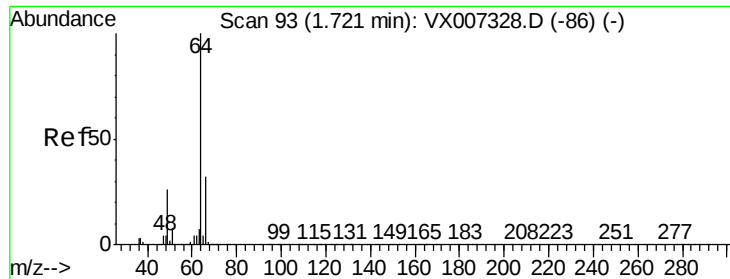
96 32.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 9.900 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

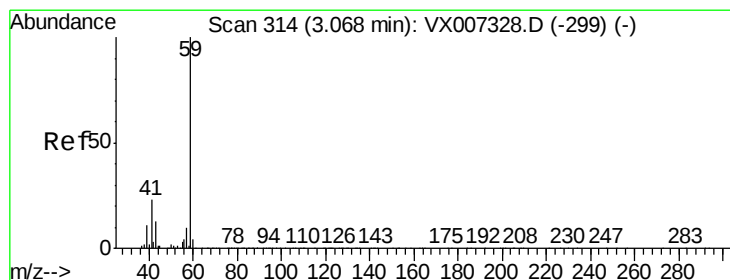
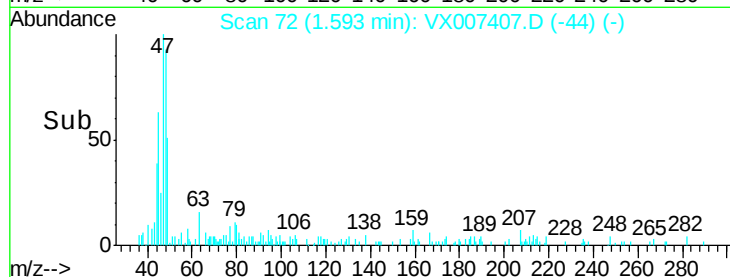
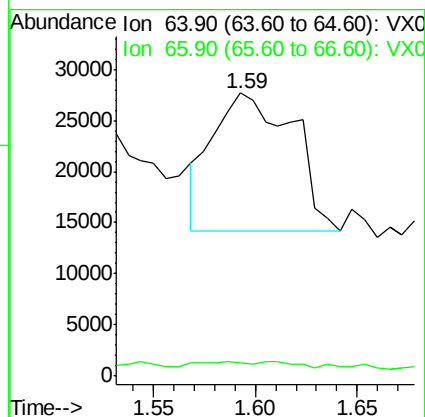
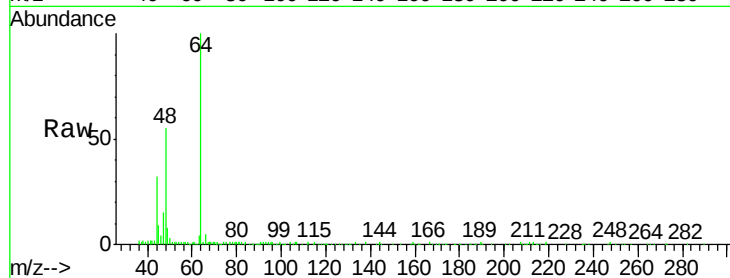
DUP-1

Tot Ion: 64 Resp: 37203

Ion Ratio Lower Upper

64 100

66 2.5 25.5 38.3#



#11

Tert butyl alcohol

Concen: 5.389 ug/l

RT: 3.07 min Scan# 314

Delta R.T. 0.00 min

Lab File: VX007407.D

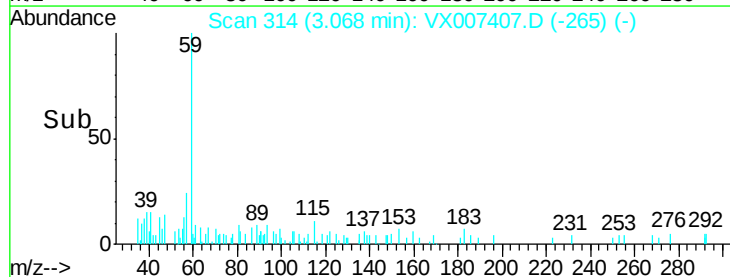
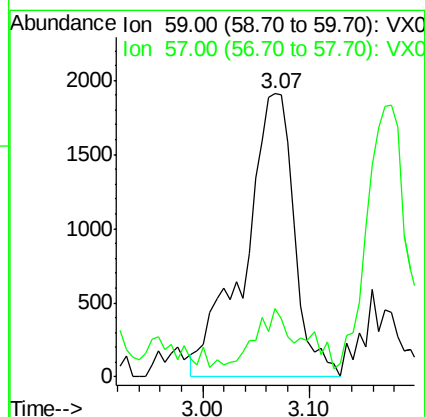
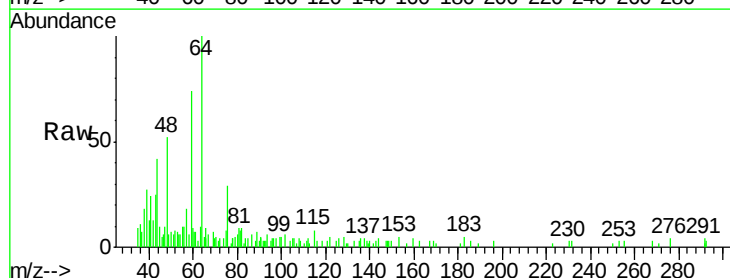
Acq: 06 Feb 2019 18:37

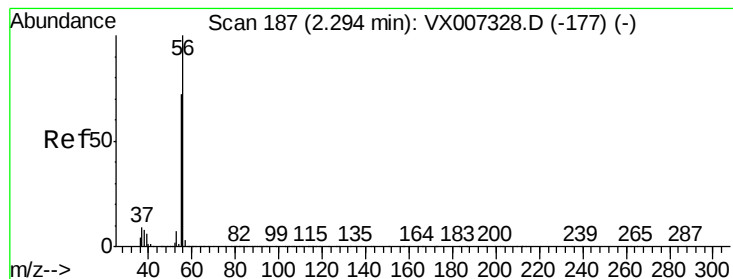
Tgt Ion: 59 Resp: 6223

Ion Ratio Lower Upper

59 100

57 12.0 8.1 12.1





#13

Acrolein

Concen: 2.089 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

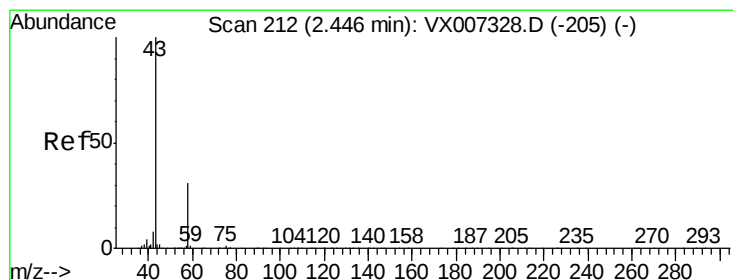
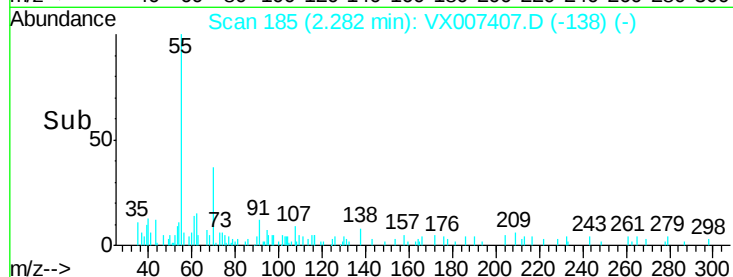
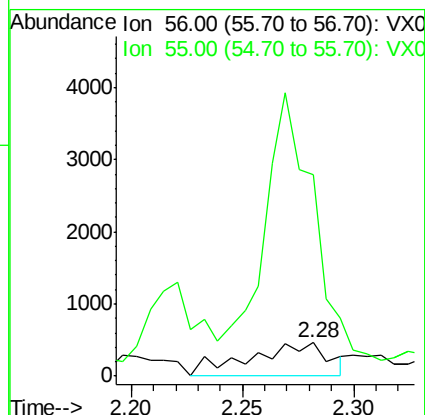
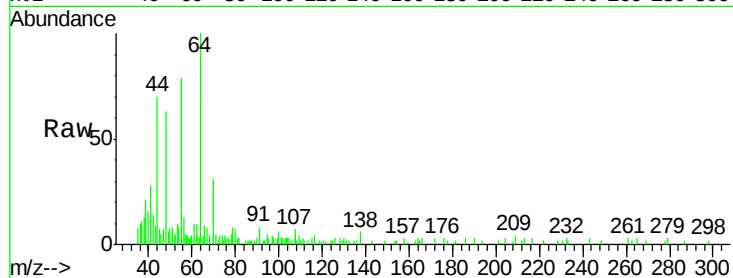
DUP-1

Tot Ion: 56 Resp: 1131

Ion Ratio Lower Upper

56 100

55 502.8 56.9 85.3#



#16

Acetone

Concen: 7.503 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007407.D

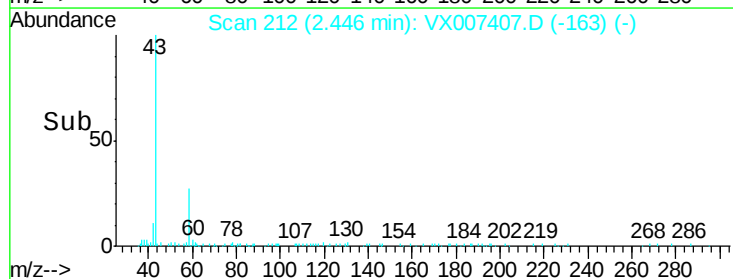
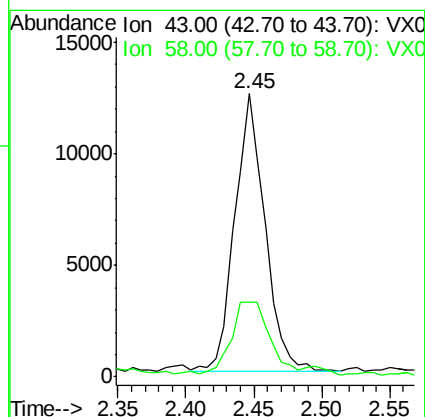
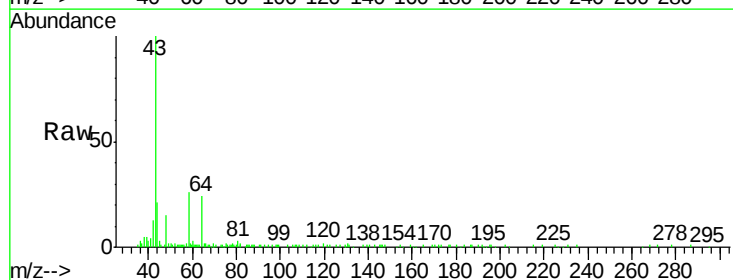
Acq: 06 Feb 2019 18:37

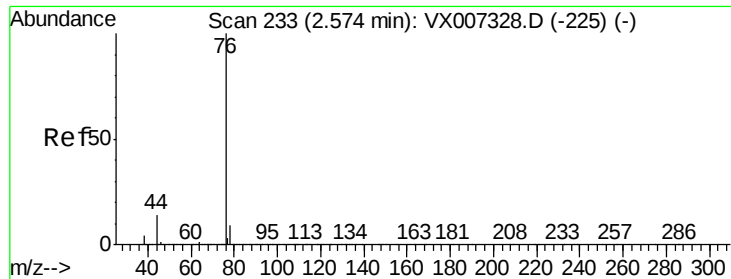
Tgt Ion: 43 Resp: 19177

Ion Ratio Lower Upper

43 100

58 26.3 24.9 37.3





#17

Carbon Disulfide

Concen: 2.744 ug/l

RT: 2.59 min Scan# 235

Delta R.T. 0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

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ClientSampleId :

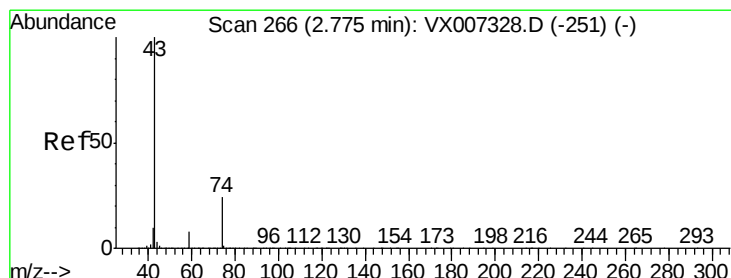
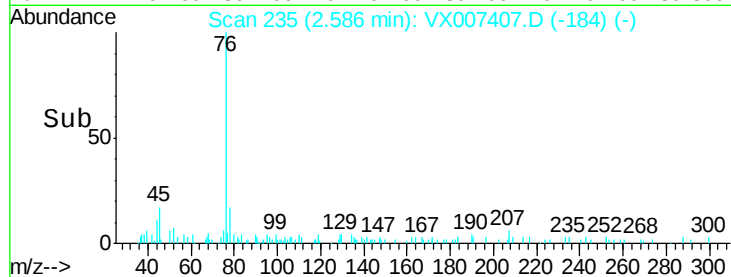
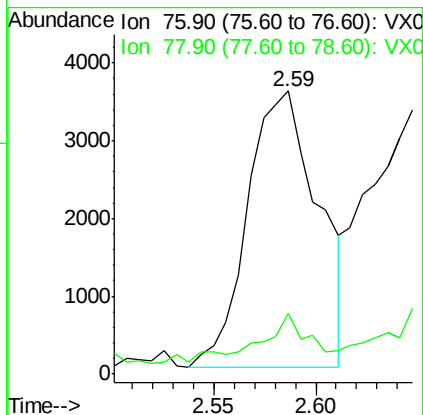
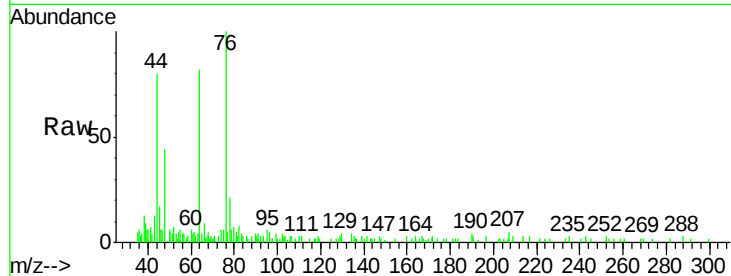
DUP-1

Tot Ion: 76 Resp: 8543

Ion Ratio Lower Upper

76 100

78 17.6 7.1 10.7#



#18

Methyl Acetate

Concen: 0.847 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007407.D

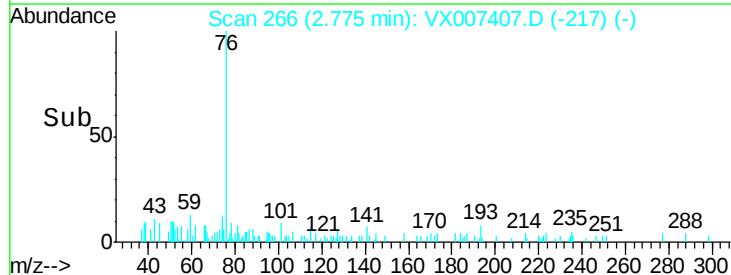
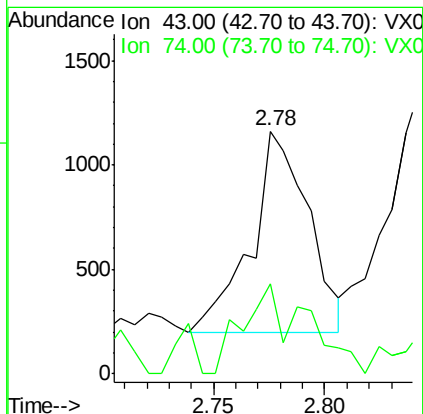
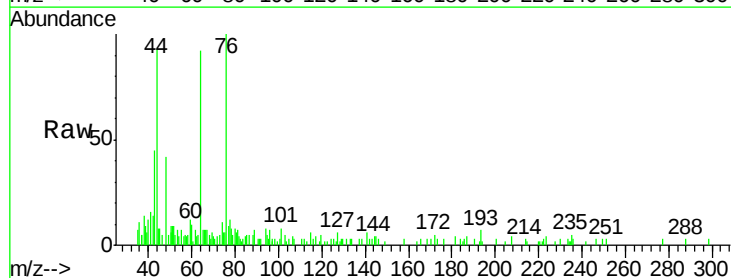
Acq: 06 Feb 2019 18:37

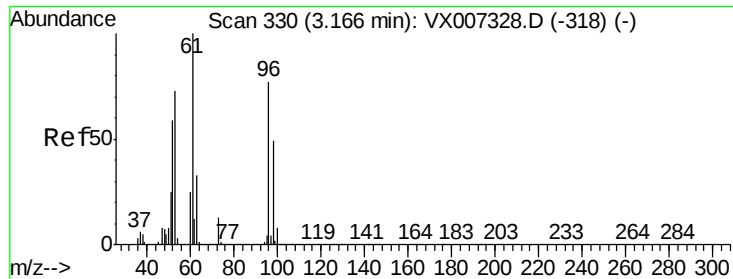
Tgt Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

74 28.9 19.4 29.2





#21

trans-1,2-Dichloroethene

Concen: 2.783 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampled :

DUP-1

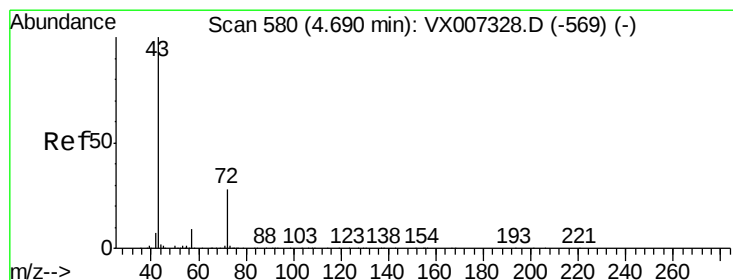
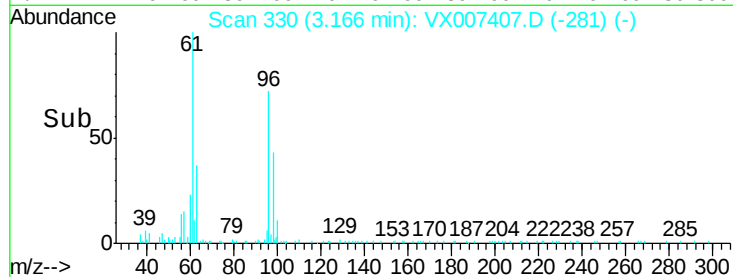
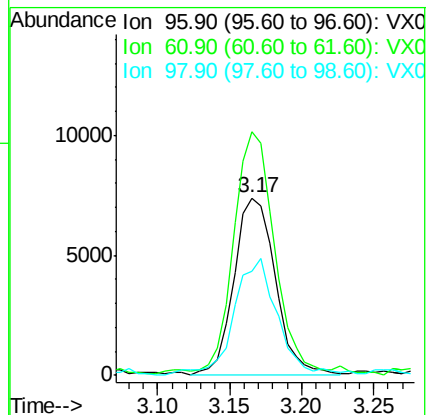
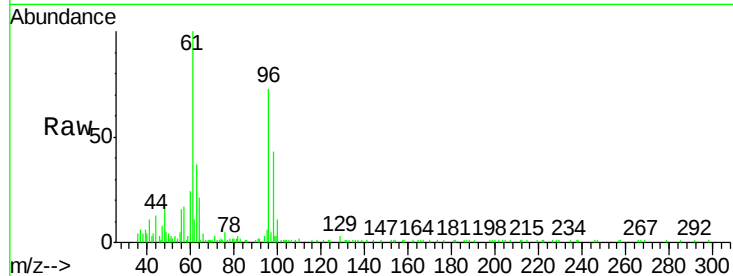
Tot Ion: 96 Resp: 14882

Ion Ratio Lower Upper

96 100

61 134.8 104.6 156.8

98 56.7 51.0 76.4



#25

2-Butanone

Concen: 1.461 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007407.D

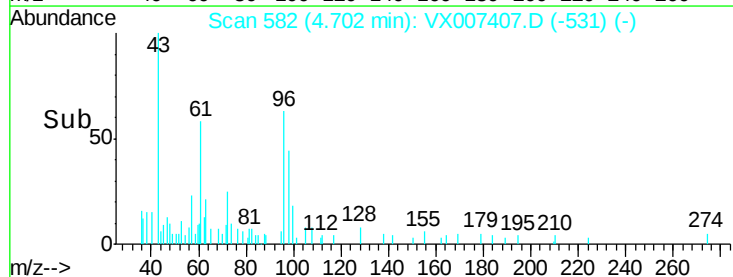
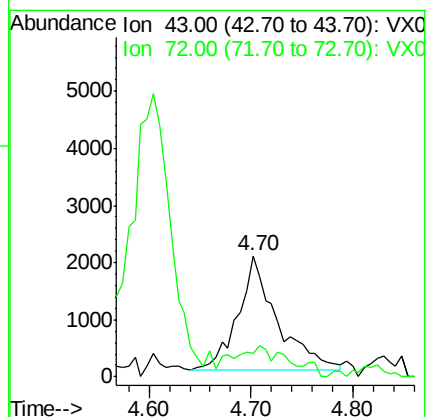
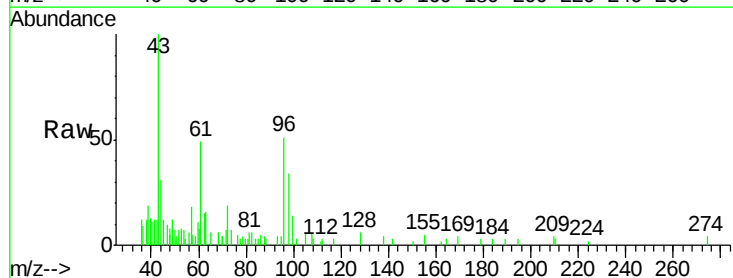
Acq: 06 Feb 2019 18:37

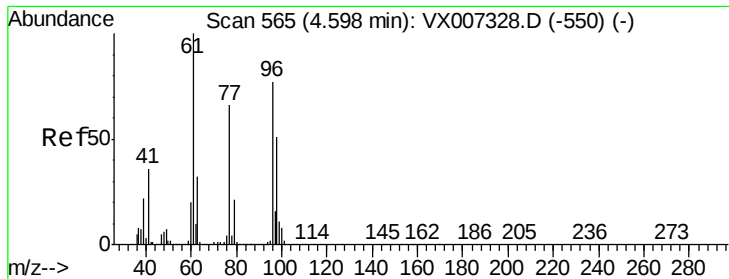
Tgt Ion: 43 Resp: 5313

Ion Ratio Lower Upper

43 100

72 11.6 22.2 33.2#



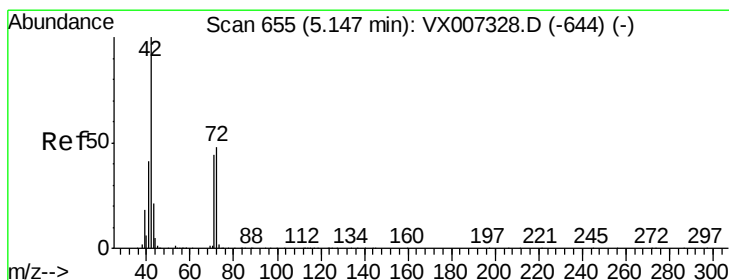
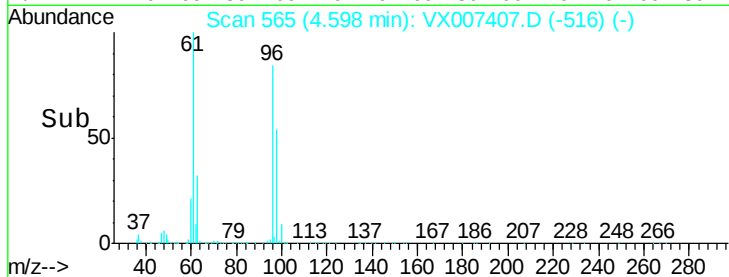
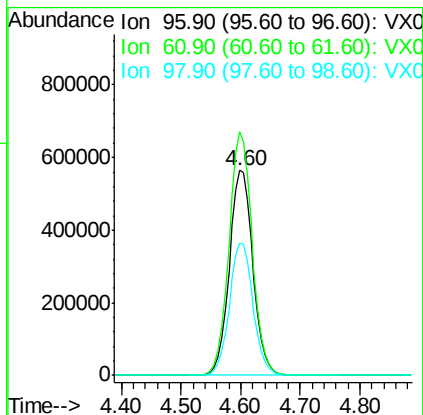
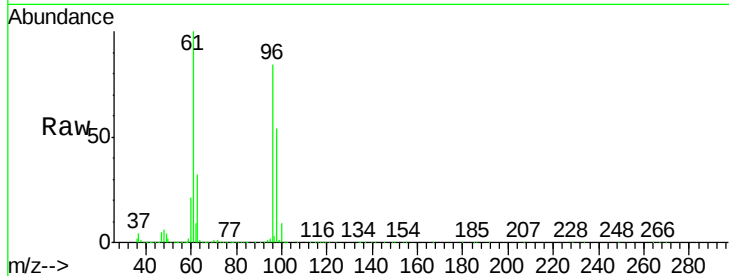


#27

cis-1,2-Dichloroethene
 Concen: 264.379 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Instrument :
 MSVOA_X
 ClientSampled :
 DUP-1

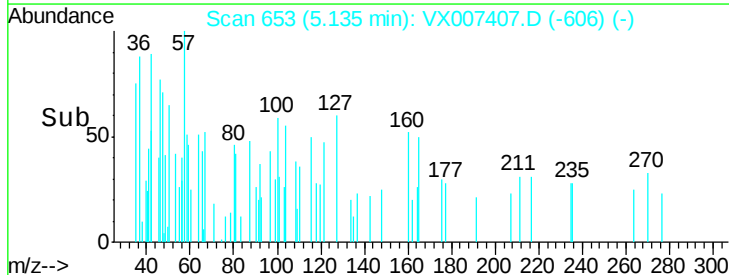
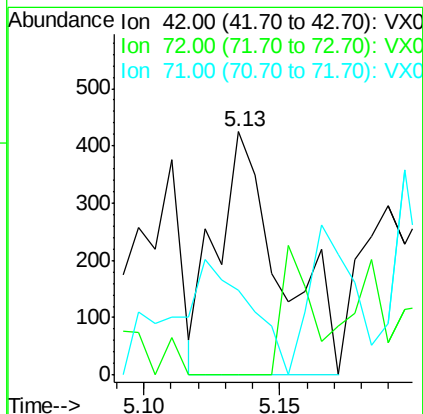
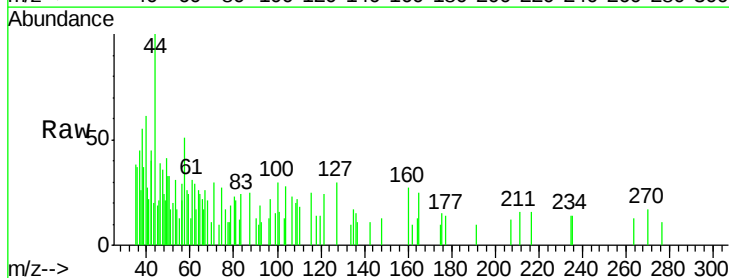
Tot Ion: 96 Resp: 1544000
 Ion Ratio Lower Upper
 96 100
 61 117.2 0.0 265.6
 98 64.8 0.0 131.6

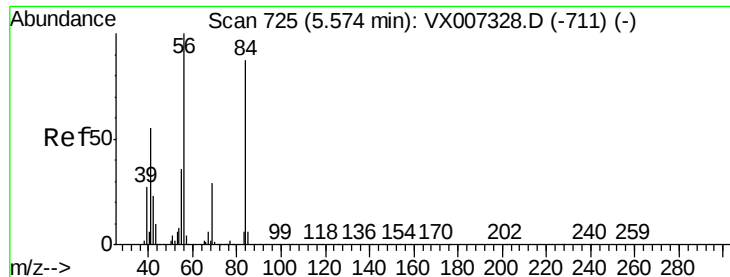


#29

Tetrahydrofuran
 Concen: 0.302 ug/l
 RT: 5.13 min Scan# 653
 Delta R.T. -0.01 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion: 42 Resp: 692
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.6 56.4#
 71 0.0 34.6 51.8#





#31

Cyclohexane

Concen: 0.874 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampled :

DUP-1

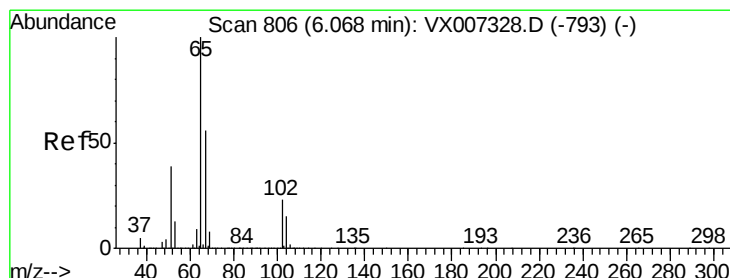
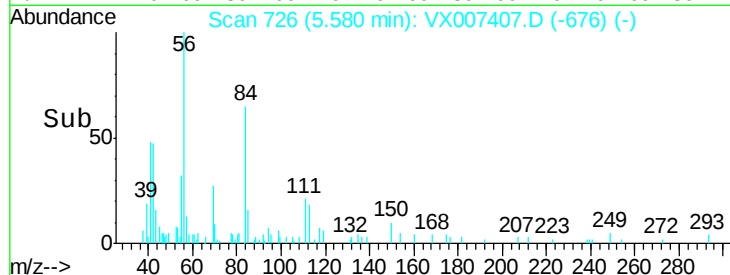
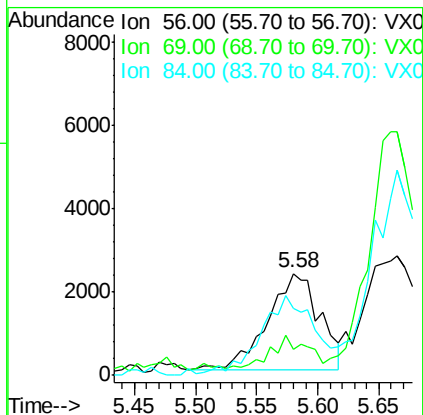
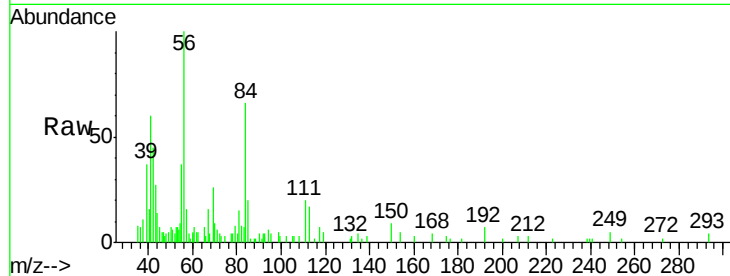
Tot Ion: 56 Resp: 6779

Ion Ratio Lower Upper

56 100

69 21.9 23.0 34.6#

84 62.7 69.8 104.6#



#33

1,2-Dichloroethane-d4

Concen: 51.413 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007407.D

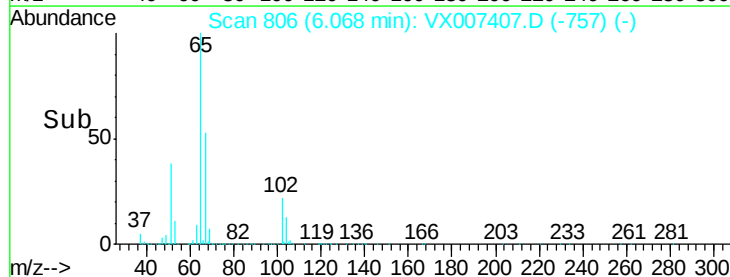
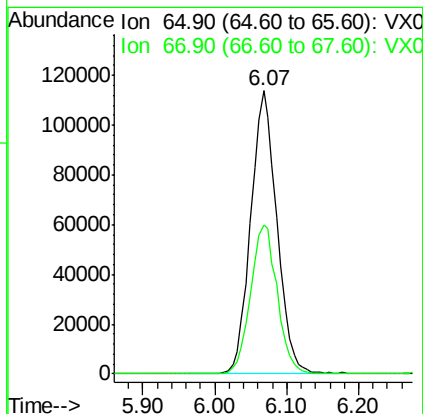
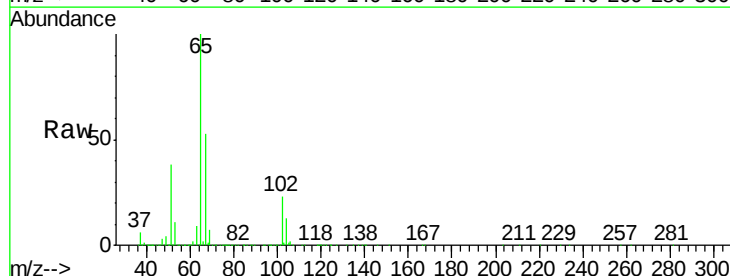
Acq: 06 Feb 2019 18:37

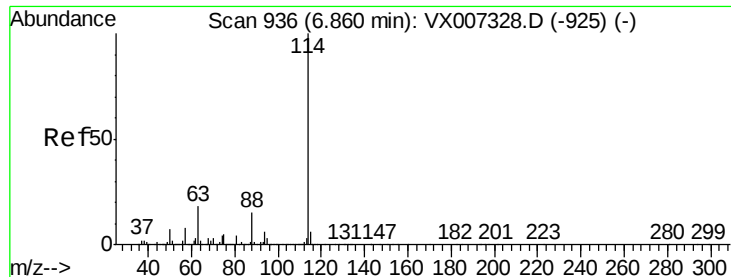
Tgt Ion: 65 Resp: 286876

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

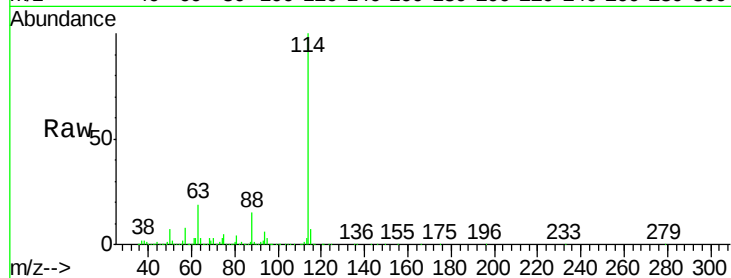
Tot Ion:114 Resp: 814932

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

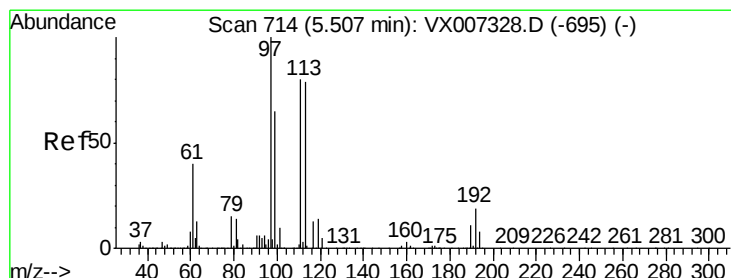
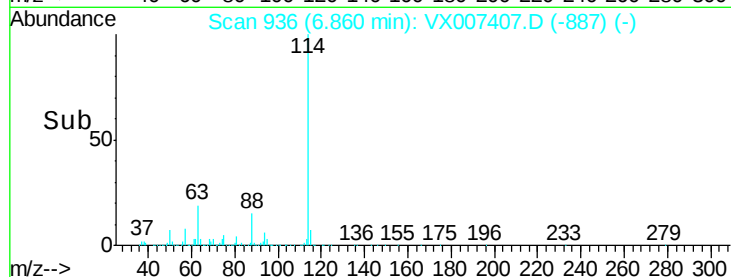
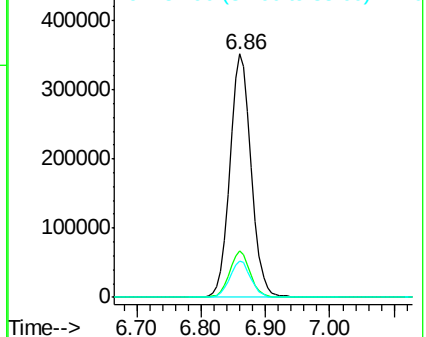
88 14.9 0.0 29.6



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: 49.184 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

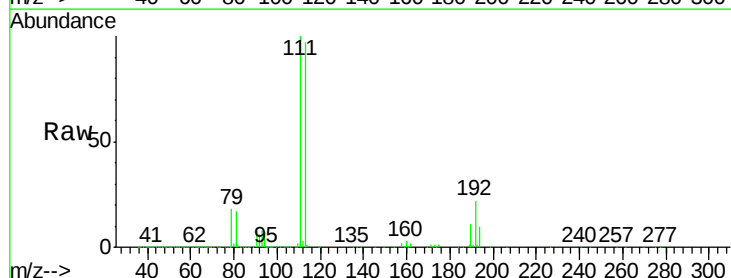
Tgt Ion:113 Resp: 260798

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

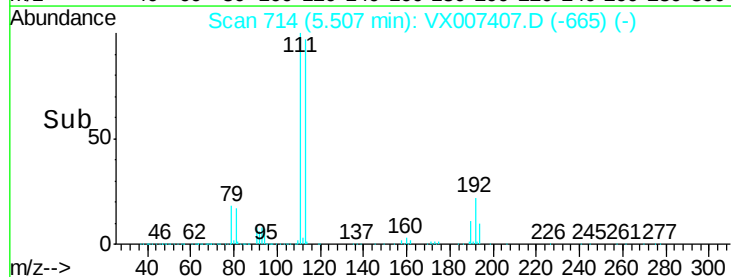
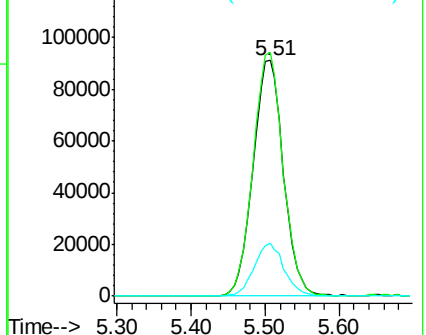
192 22.0 18.5 27.7

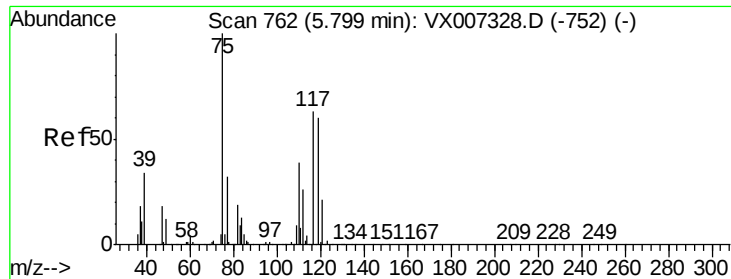


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

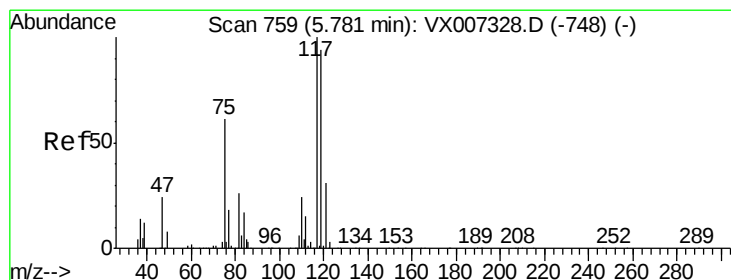
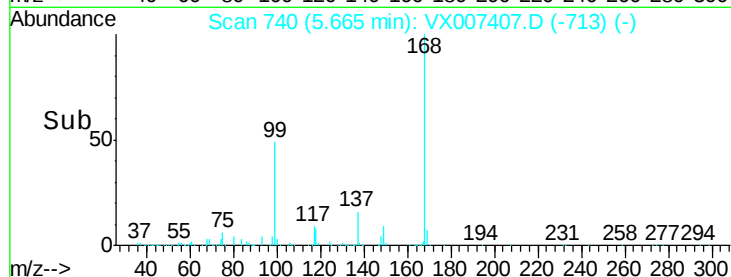
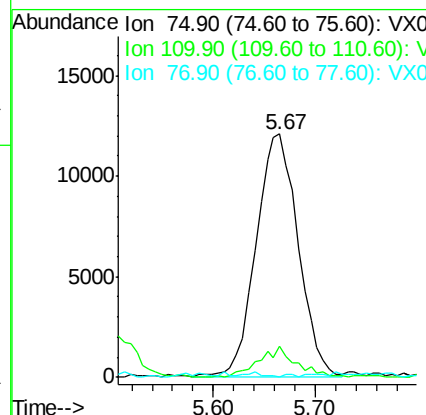
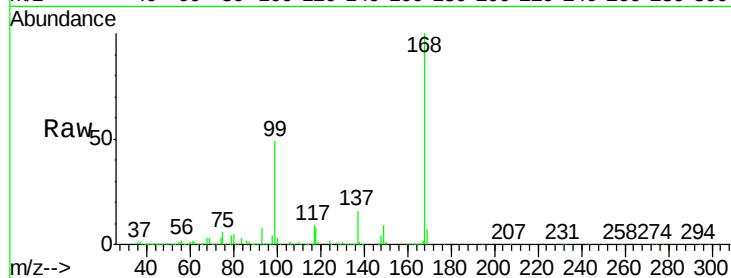




#36
 1,1-Dichloropropene
 Concen: 4.744 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

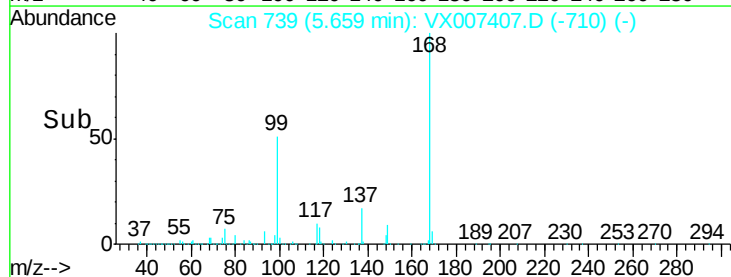
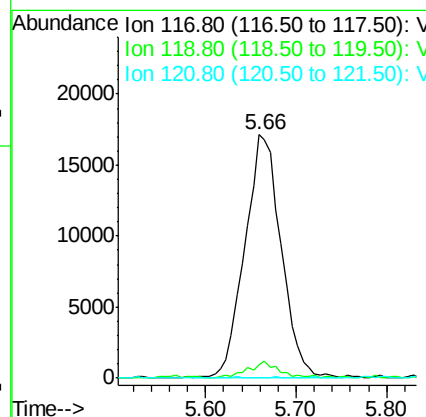
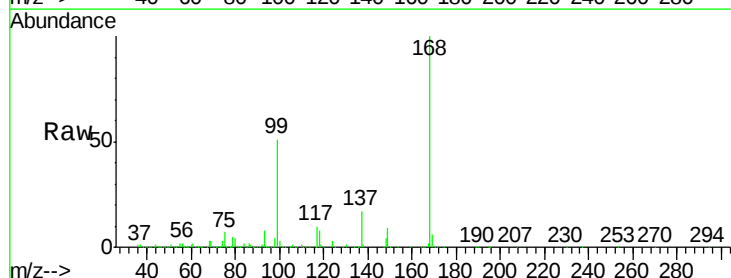
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

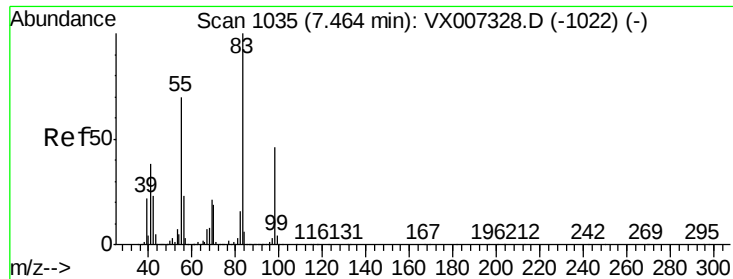
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	20.0	59.9#
77	0.3	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.717 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.3	112.9#
121	0.0	25.0	37.4#

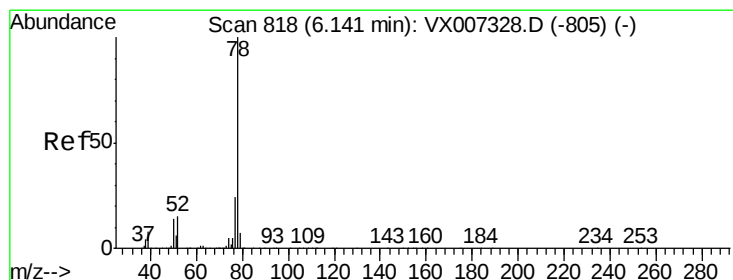
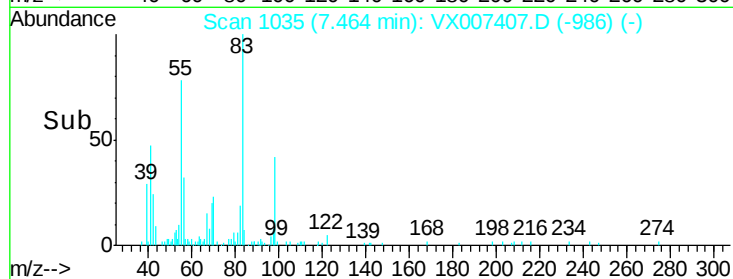
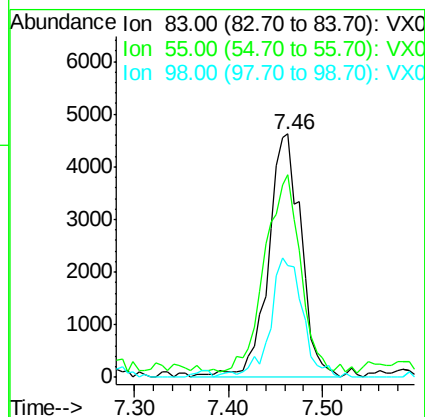
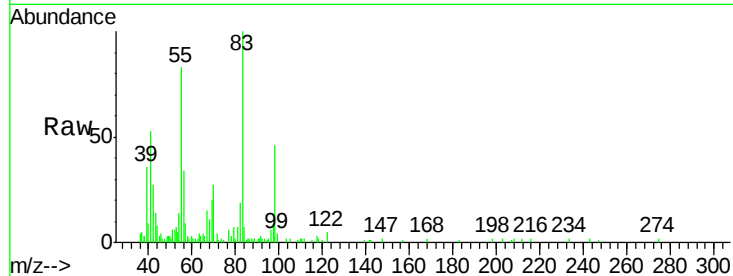




#39
Methvlcvclohexane
Concen: 1.270 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

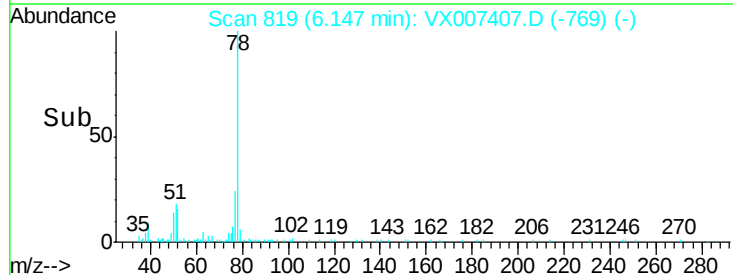
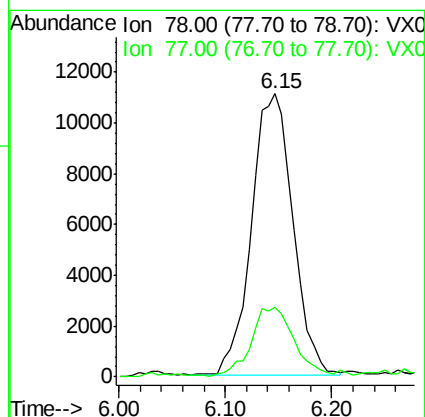
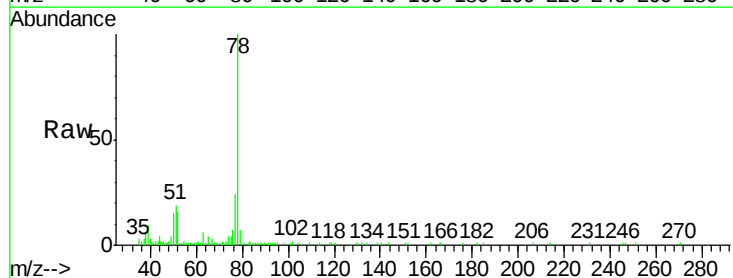
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

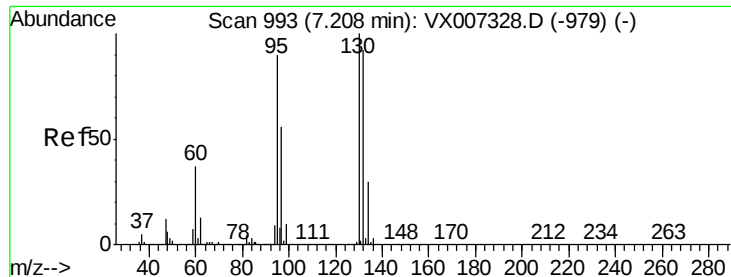
Tot Ion: 83 Resp: 11236
Ion Ratio Lower Upper
83 100
55 80.3 56.2 84.2
98 45.8 36.8 55.2



#40
Benzene
Concen: 1.408 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion: 78 Resp: 30332
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9





#44

Trichloroethene

Concen: 0.546 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.02 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

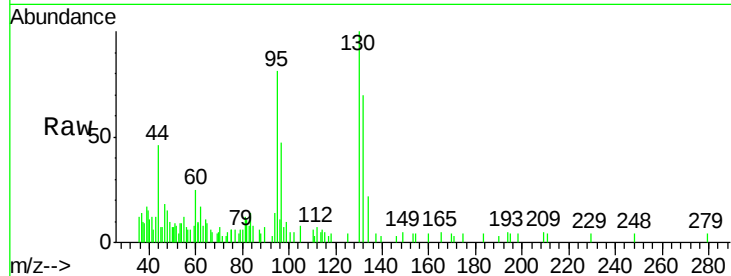
DUP-1

Tot Ion:130 Resp: 3539

Ion Ratio Lower Upper

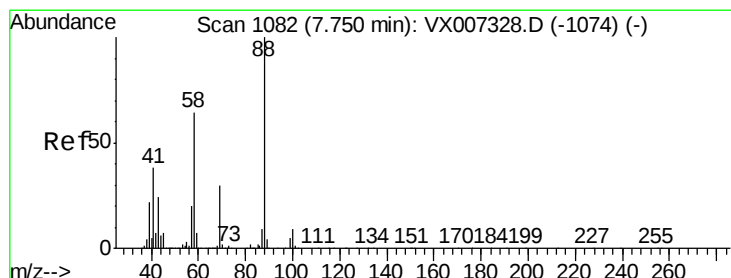
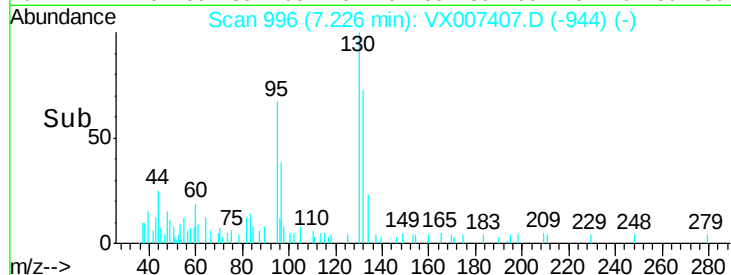
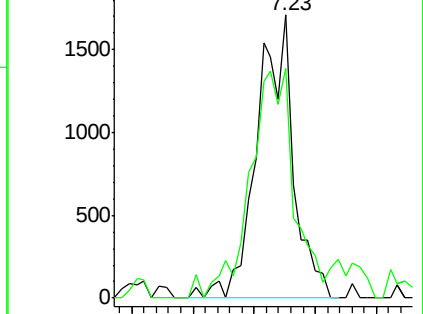
130 100

95 81.1 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 7.958 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

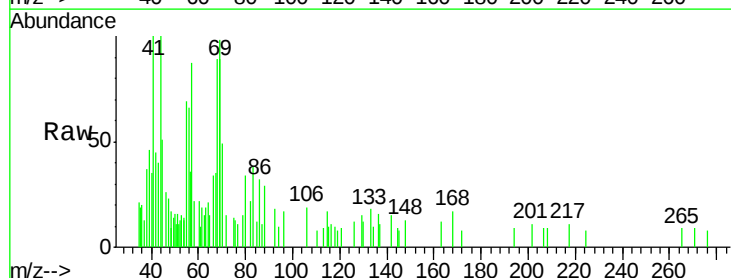
Tgt Ion: 88 Resp: 141

Ion Ratio Lower Upper

88 100

43 134.8 24.2 36.4#

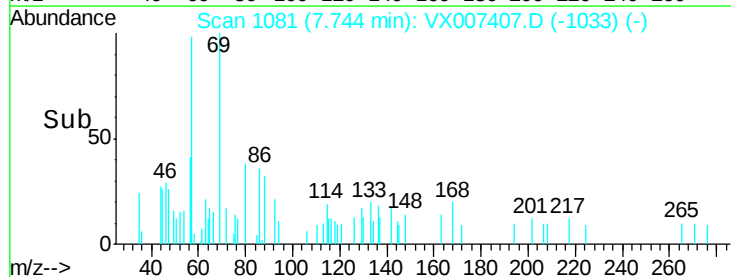
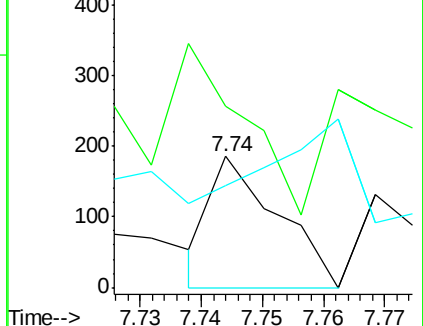
58 63.1 53.0 79.4

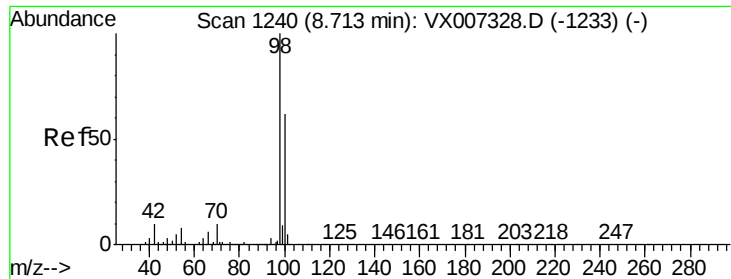


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.209 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

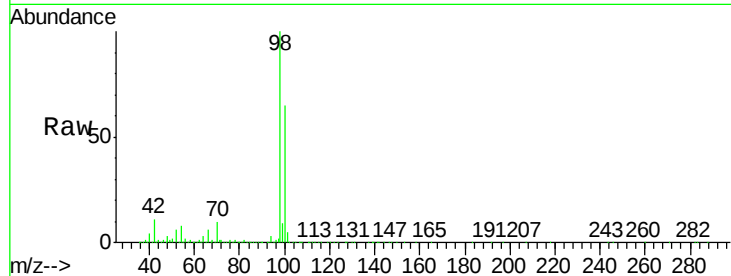
DUP-1

Tot Ion: 98 Resp: 987760

Ion Ratio Lower Upper

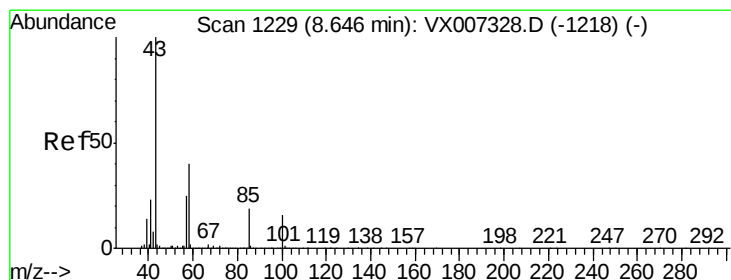
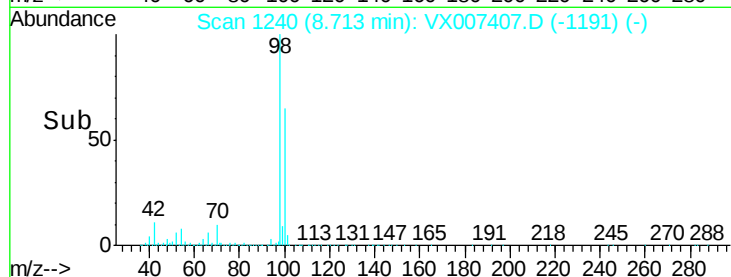
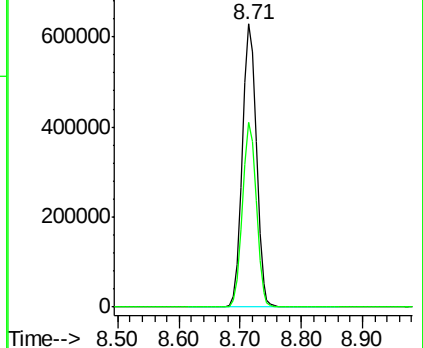
98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.531 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX007407.D

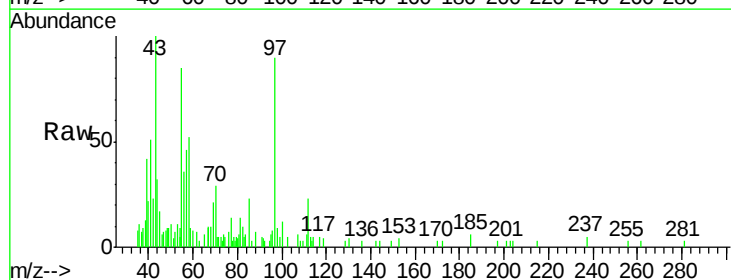
Acq: 06 Feb 2019 18:37

Tgt Ion: 43 Resp: 3987

Ion Ratio Lower Upper

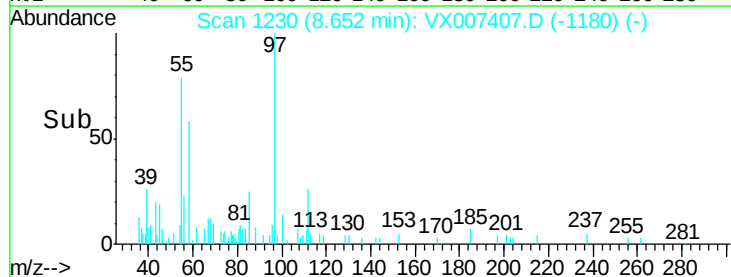
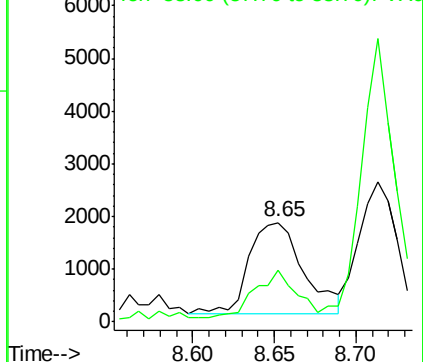
43 100

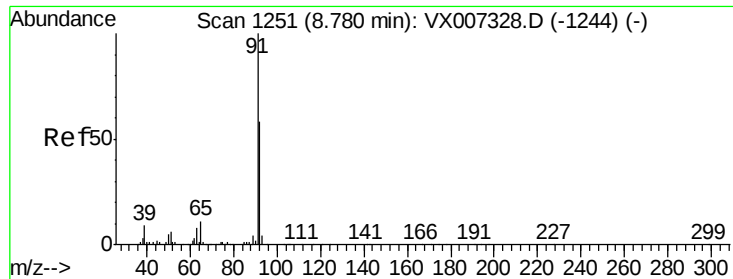
58 40.3 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 44.674 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

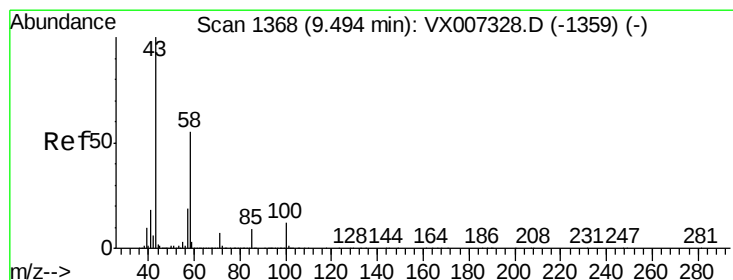
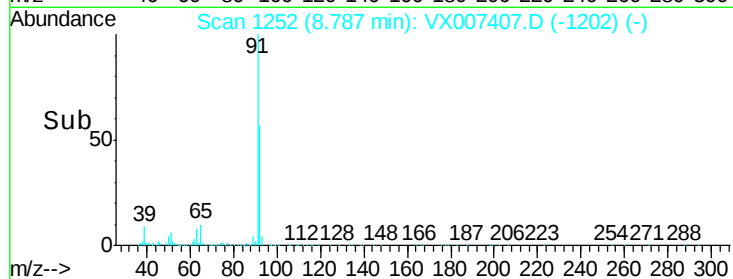
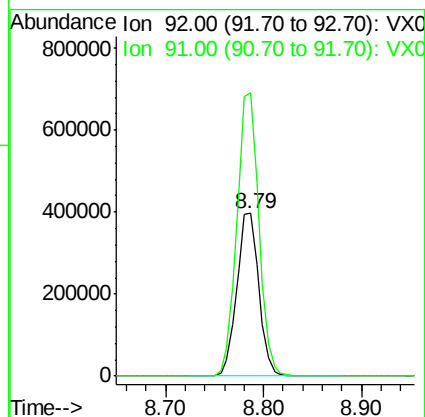
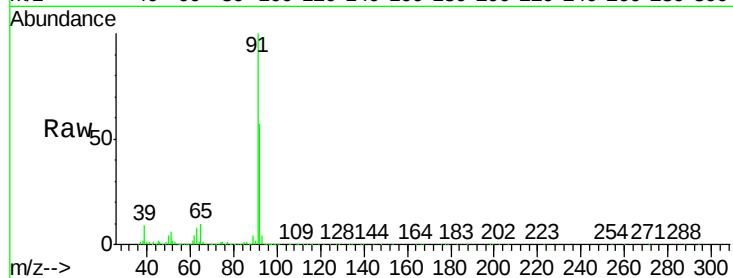
DUP-1

Tot Ion: 92 Resp: 620811

Ion Ratio Lower Upper

92 100

91 174.1 139.1 208.7



#59

2-Hexanone

Concen: 0.370 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX007407.D

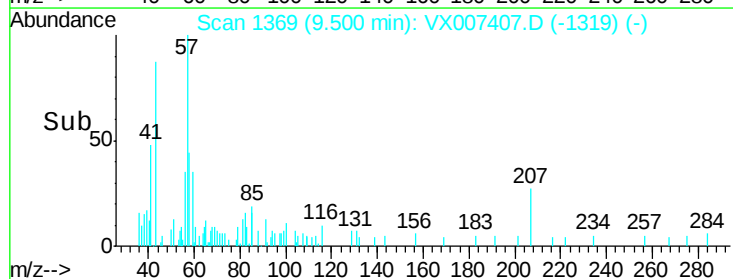
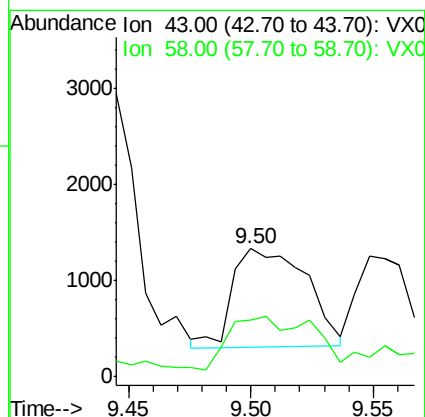
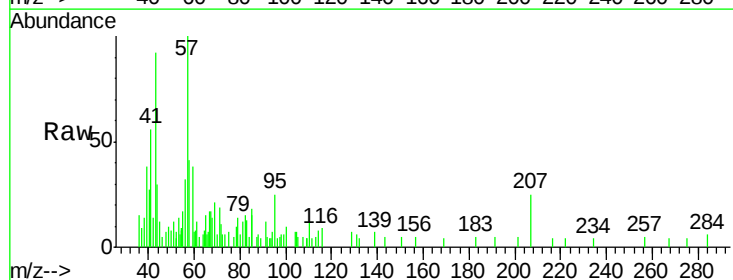
Acq: 06 Feb 2019 18:37

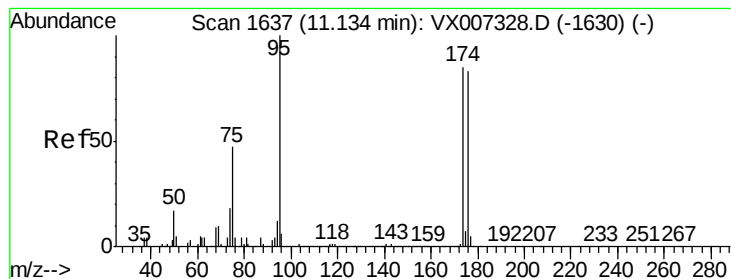
Tgt Ion: 43 Resp: 2160

Ion Ratio Lower Upper

43 100

58 62.1 27.1 81.3





#62

4-Bromofluorobenzene

Concen: 51.452 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

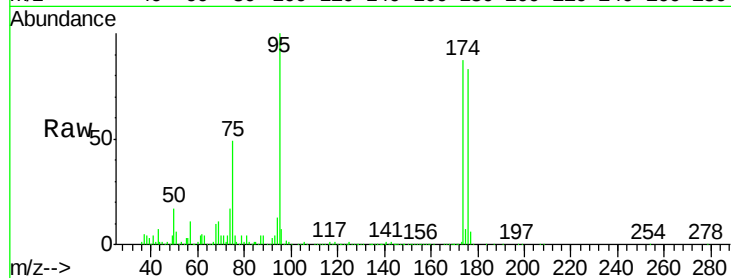
Tot Ion: 95 Resp: 369560

Ion Ratio Lower Upper

95 100

174 93.1 0.0 189.2

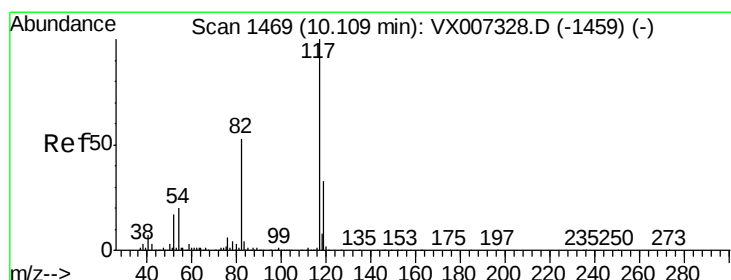
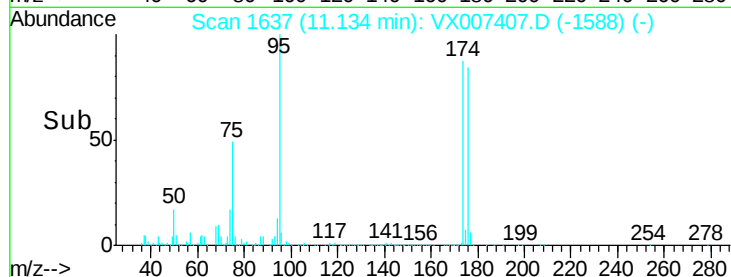
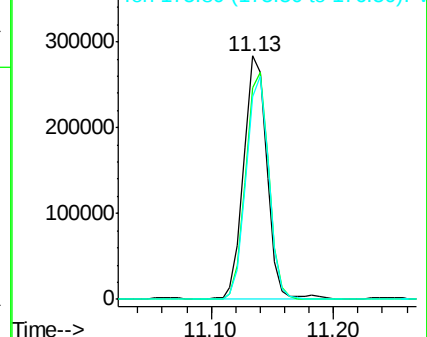
176 90.2 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007407.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007407.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007407.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

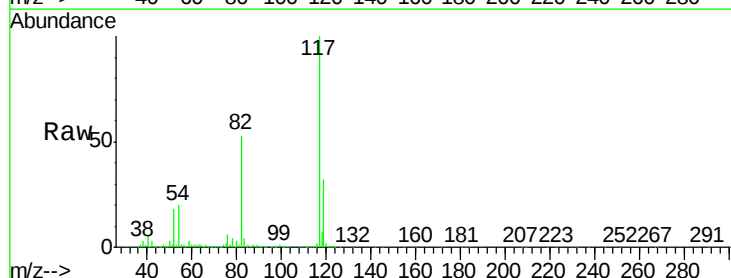
Tgt Ion: 117 Resp: 782062

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

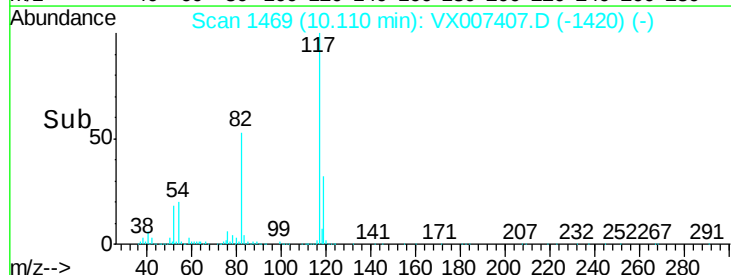
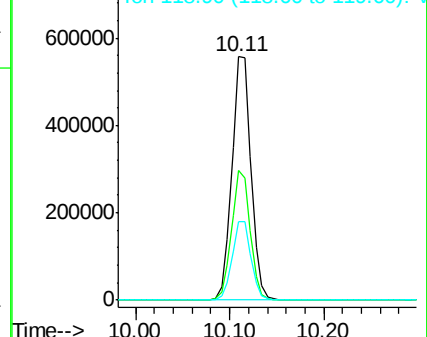
119 32.2 26.5 39.7

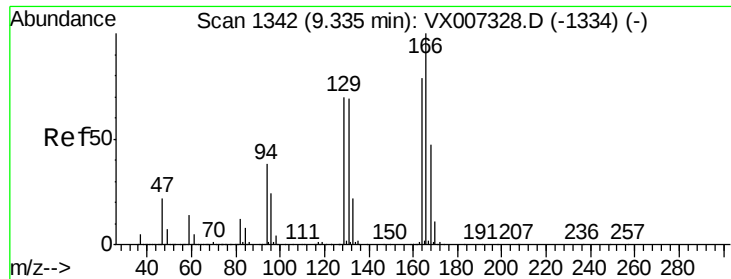


Abundance Ion 116.90 (116.60 to 117.60): VX007407.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007407.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007407.D (-1420) (-)

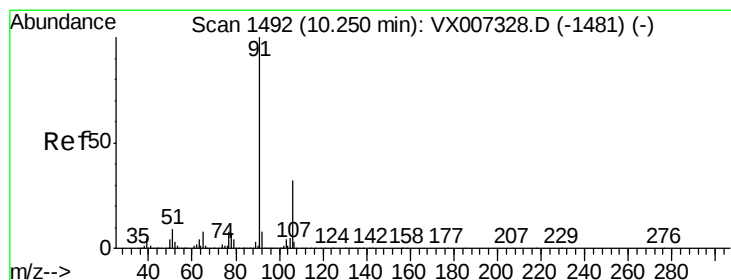
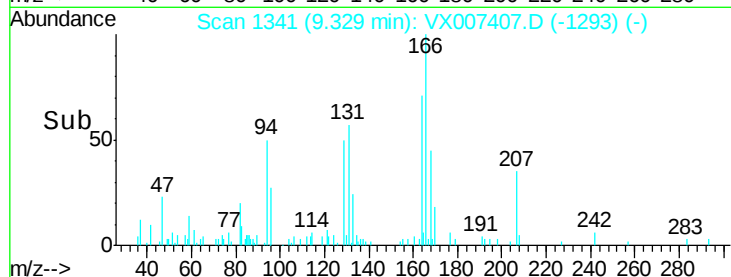
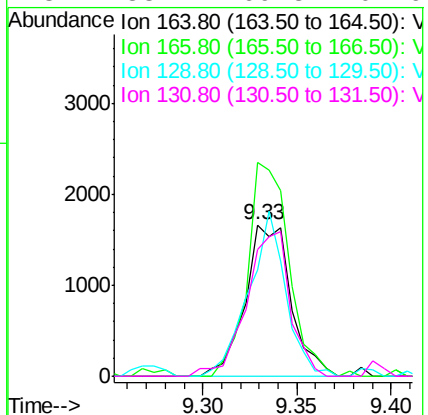
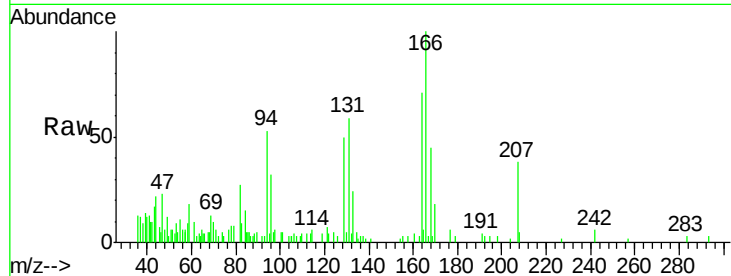




#64
Tetrachloroethene
Concen: 0.380 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

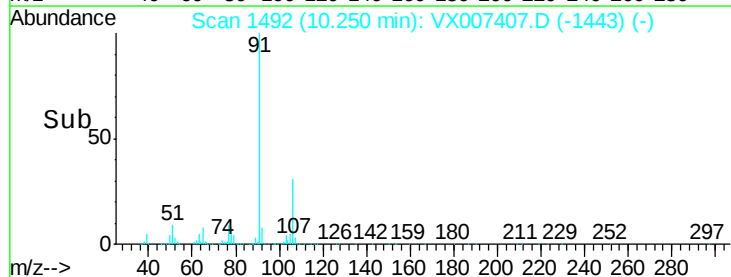
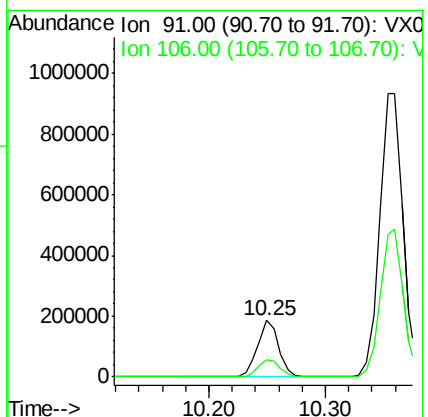
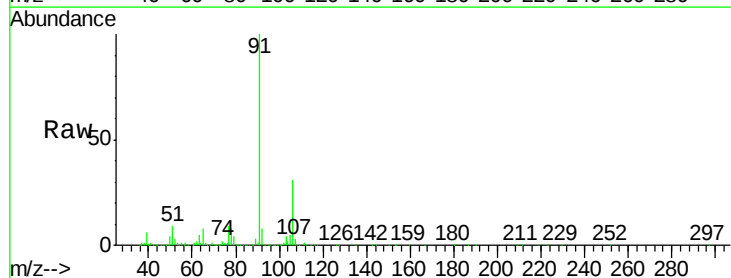
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

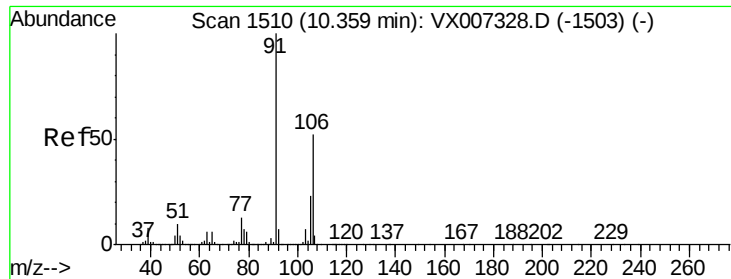
Tot Ion:164 Resp: 2803
Ion Ratio Lower Upper
164 100
166 140.8 101.0 151.4
129 70.0 70.5 105.7#
131 83.7 69.8 104.6



#67
Ethyl Benzene
Concen: 8.651 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion: 91 Resp: 237751
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0





#68

m/p-Xylenes

Concen: 60.516 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

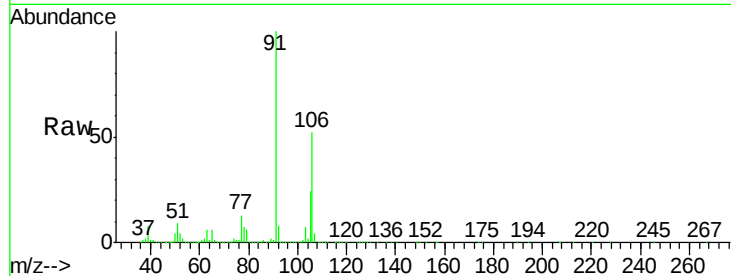
DUP-1

Tot Ion:106 Resp: 661125

Ion Ratio Lower Upper

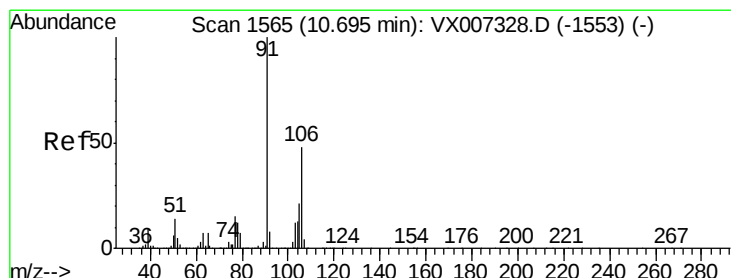
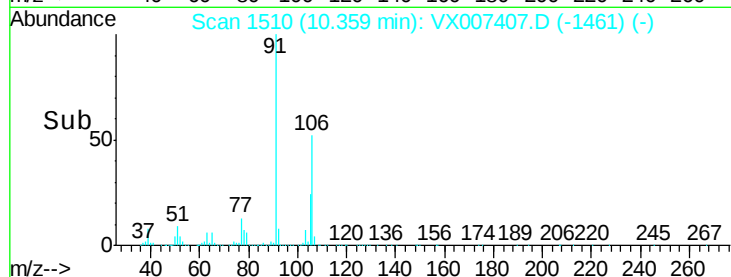
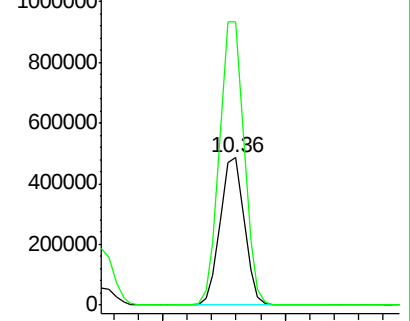
106 100

91 195.6 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 38.526 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007407.D

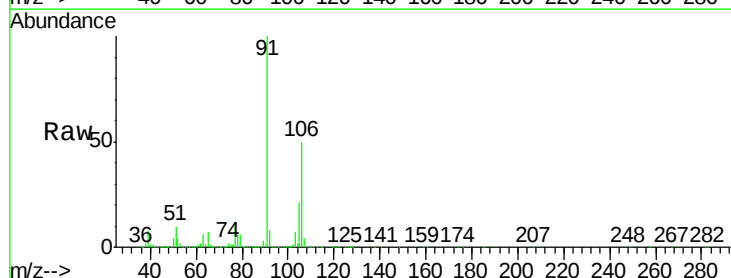
Acq: 06 Feb 2019 18:37

Tgt Ion:106 Resp: 405002

Ion Ratio Lower Upper

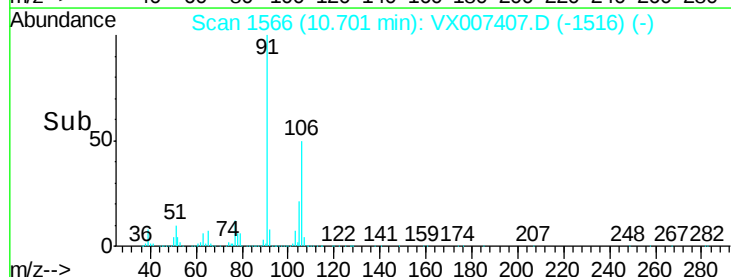
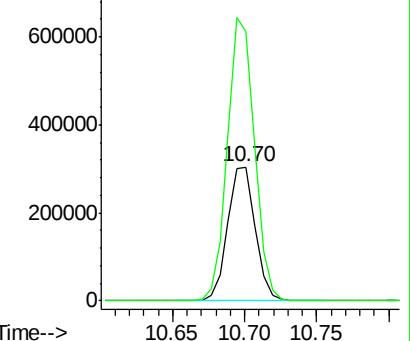
106 100

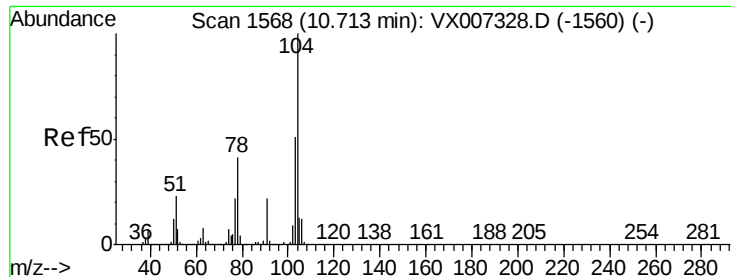
91 207.2 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 1.106 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

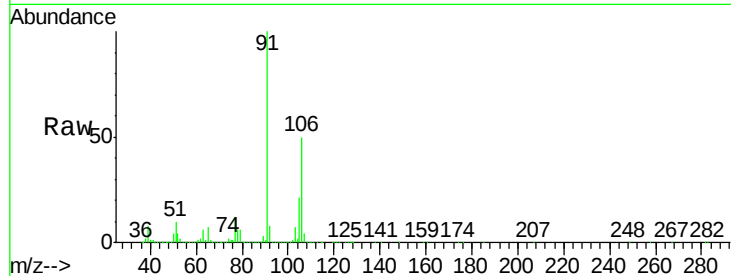
Tot Ion:104 Resp: 18853

Ion Ratio Lower Upper

104 100

78 297.7 38.3 57.5#

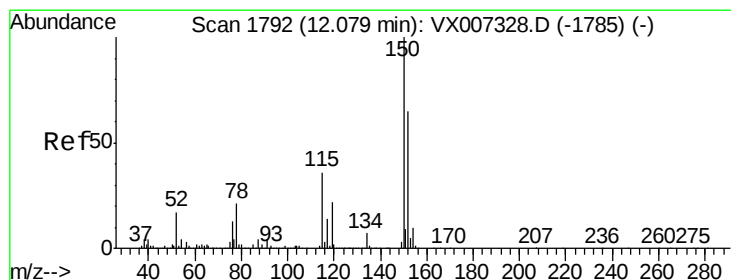
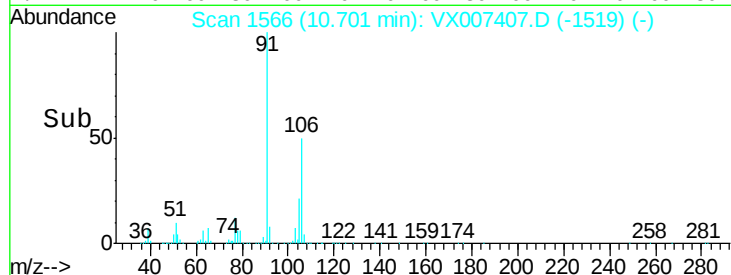
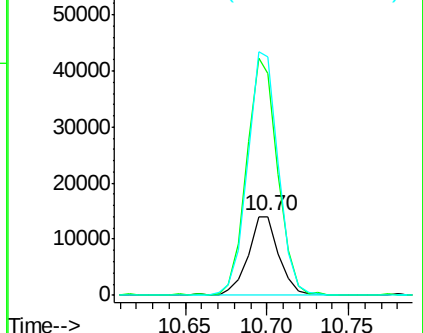
103 303.8 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VX007407.D

Acq: 06 Feb 2019 18:37

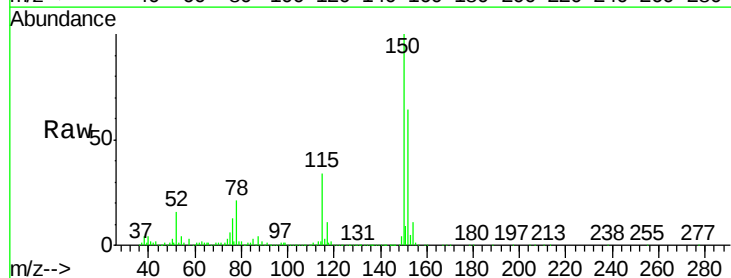
Tgt Ion:152 Resp: 402600

Ion Ratio Lower Upper

152 100

115 56.1 38.0 114.0

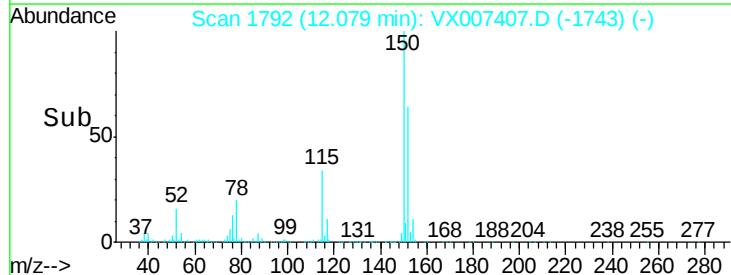
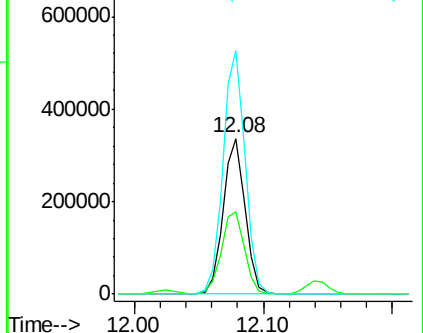
150 157.9 0.0 346.4

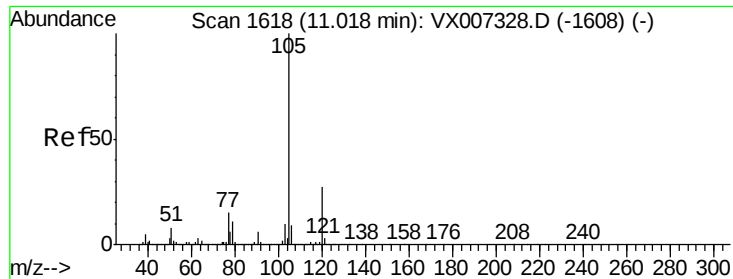


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.975 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

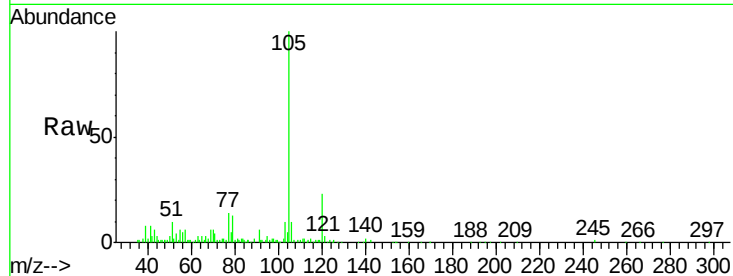
DUP-1

Tot Ion:105 Resp: 26665

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

25000

20000

15000

10000

5000

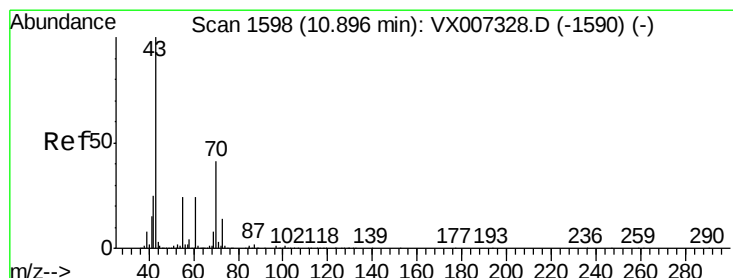
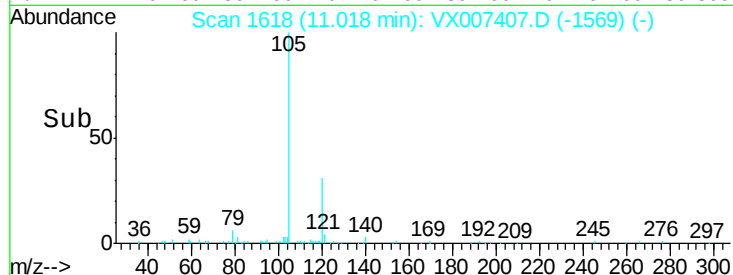
0

Time-->

10.95

11.00

11.05



#74

N-ethyl acetate

Concen: 0.290 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Tgt Ion: 43 Resp: 3072

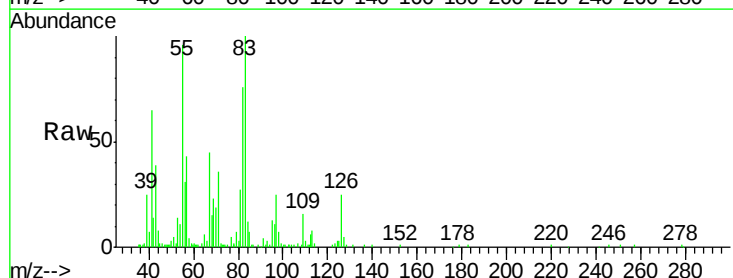
Ion Ratio Lower Upper

43 100

70 78.0 33.8 50.6#

55 766.7 19.5 29.3#

61 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

20000

15000

10000

5000

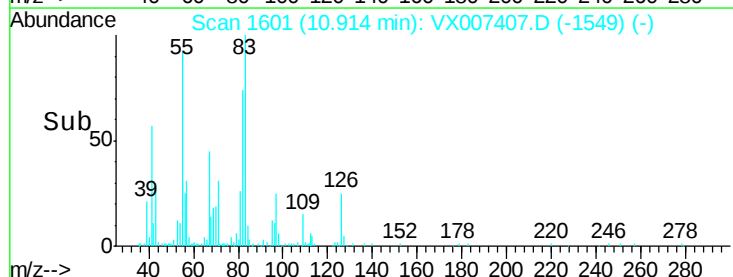
0

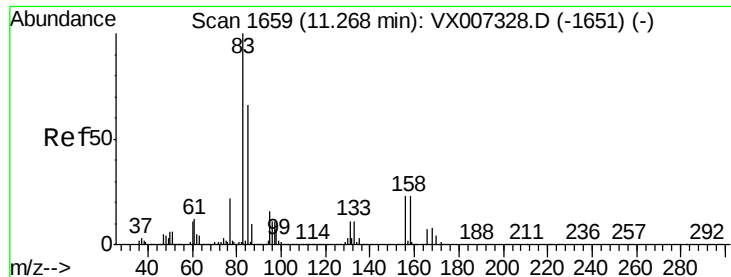
Time-->

10.88

10.90

10.92





#75

1,1,2,2-Tetrachloroethane

Concen: 0.332 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

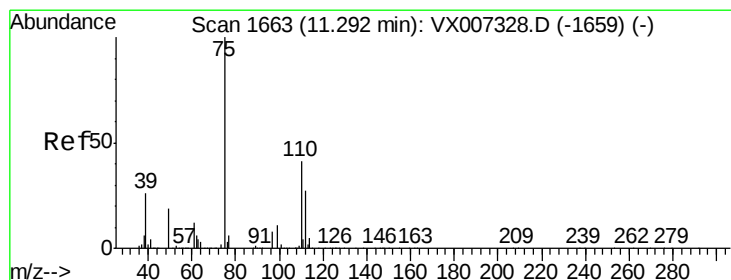
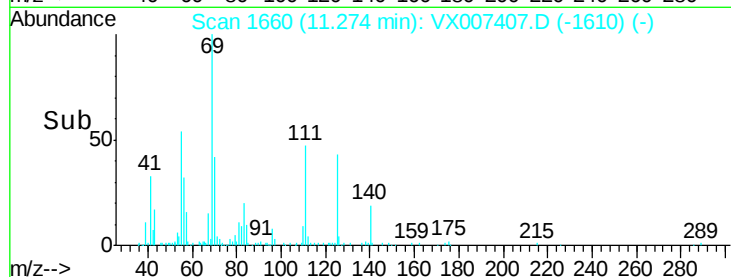
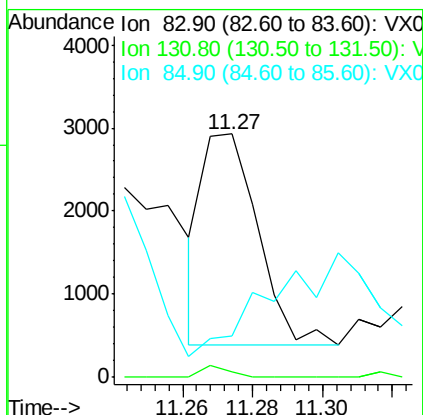
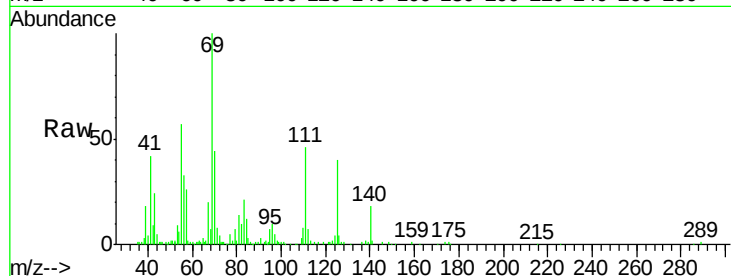
Tot Ion: 83 Resp: 2766

Ion Ratio Lower Upper

83 100

131 2.8 5.7 17.0#

85 0.0 32.8 98.3#



#76

1,2,3-Trichloropropane

Concen: 1.028 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX007407.D

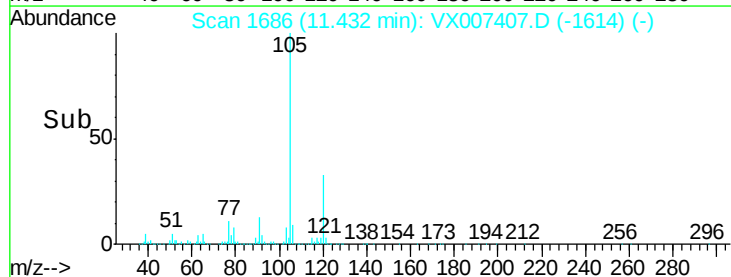
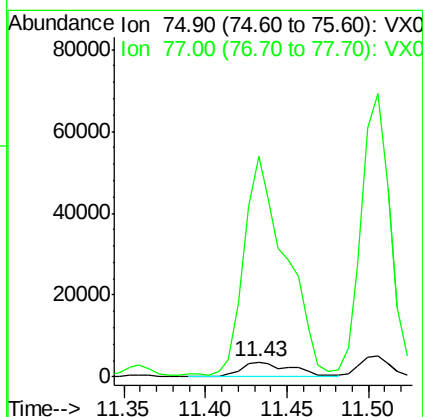
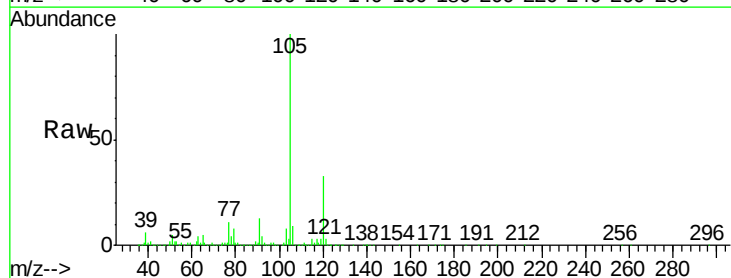
Acq: 06 Feb 2019 18:37

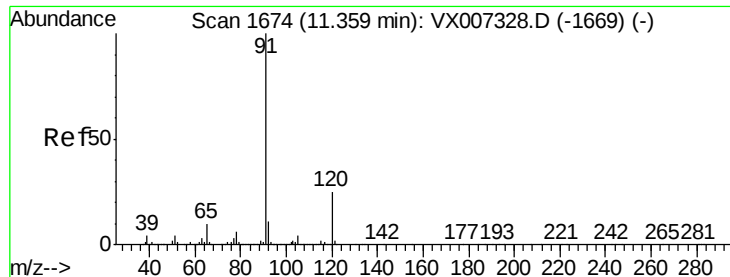
Tgt Ion: 75 Resp: 8047

Ion Ratio Lower Upper

75 100

77 1181.3 23.0 69.0#





#78

n-propylbenzene

Concen: 2.362 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

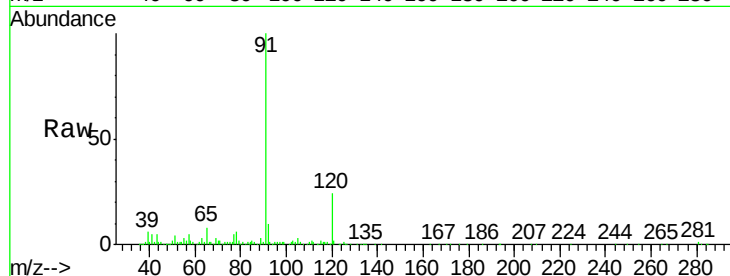
DUP-1

Tot Ion: 91 Resp: 70847

Ion Ratio Lower Upper

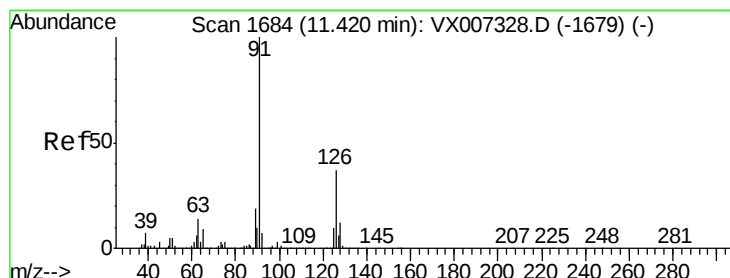
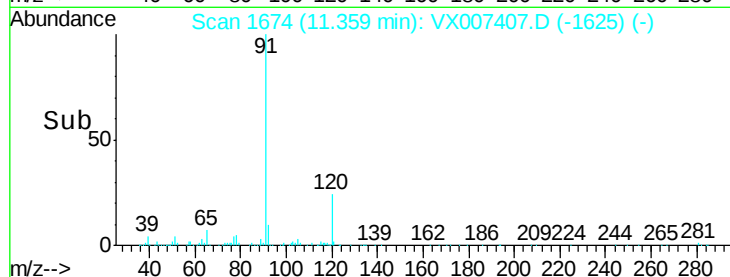
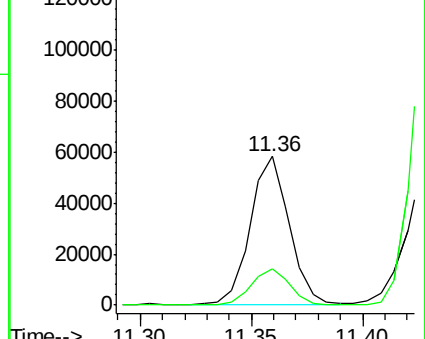
91 100

120 24.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 6.434 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX007407.D

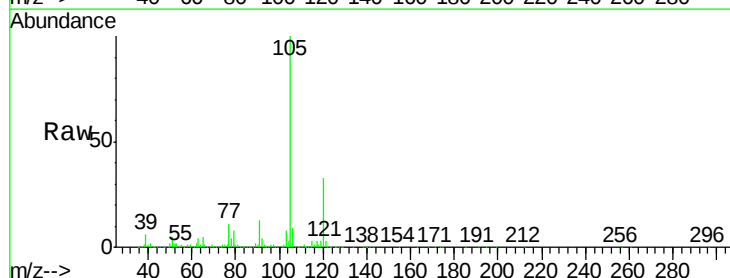
Acq: 06 Feb 2019 18:37

Tgt Ion: 91 Resp: 117128

Ion Ratio Lower Upper

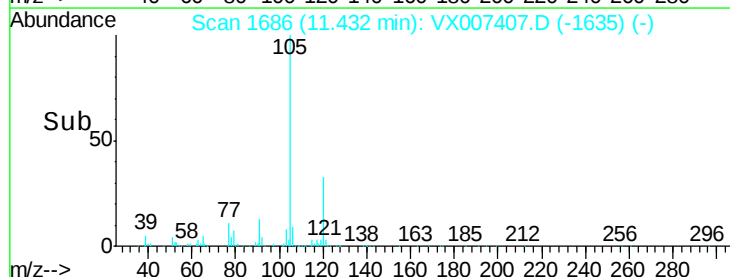
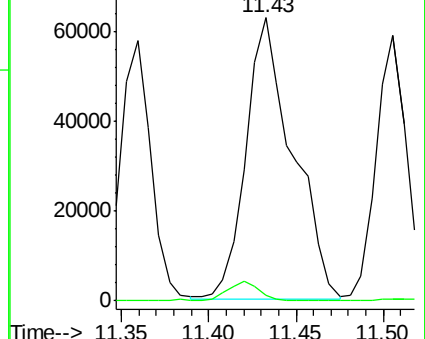
91 100

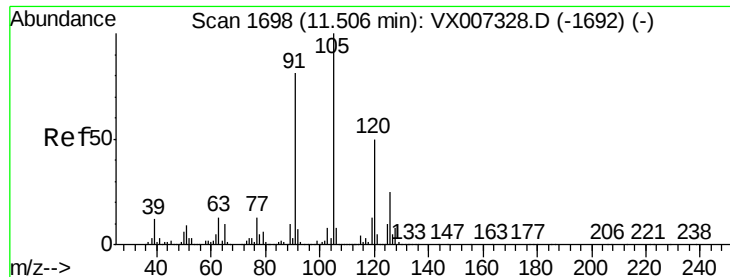
126 4.8 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

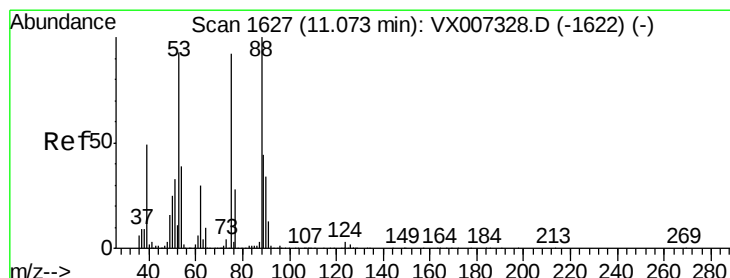
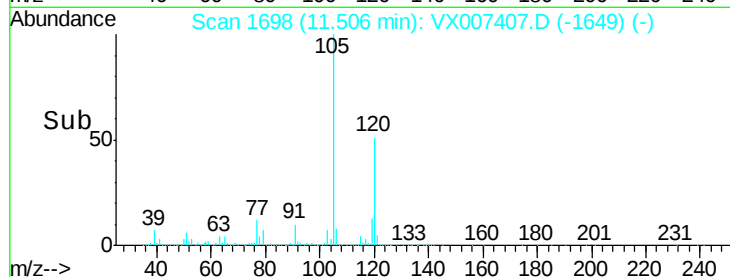
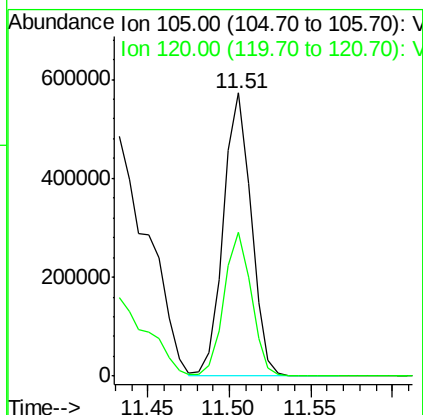
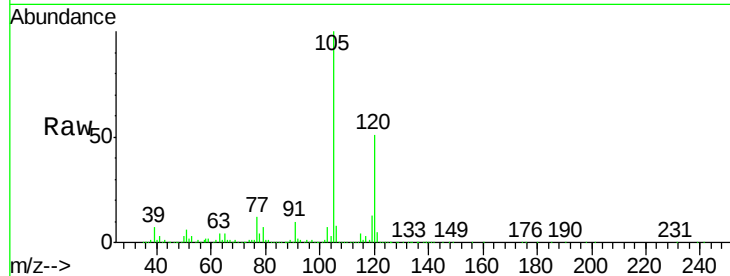




#80
 1,3,5-Trimethylbenzene
 Concen: 30.339 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

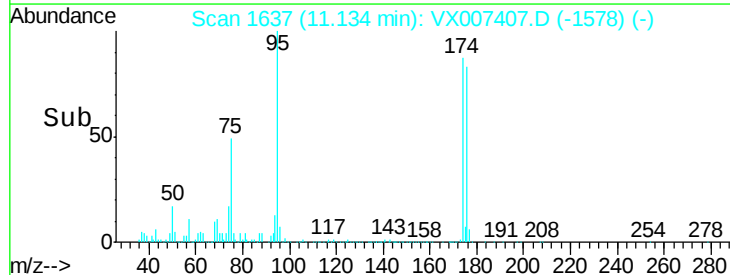
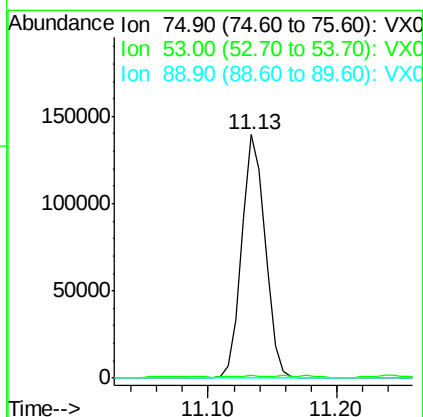
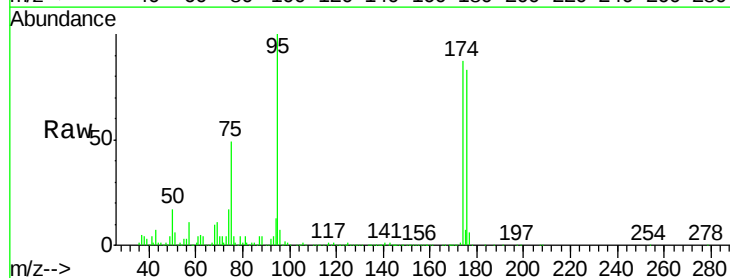
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

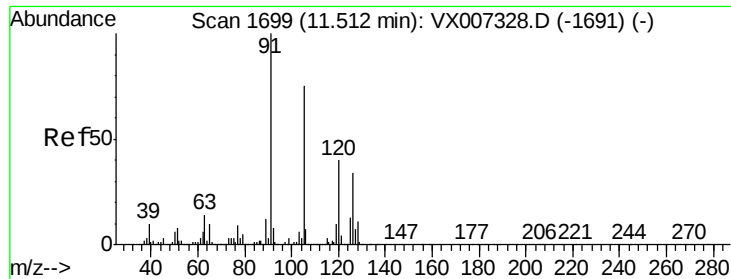
Tot Ion:105 Resp: 679079
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.563 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion: 75 Resp: 175287
 Ion Ratio Lower Upper
 75 100
 53 0.8 81.0 121.6#
 89 0.0 41.4 62.0#





#82

4-Chlorotoluene

Concen: 3.351 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

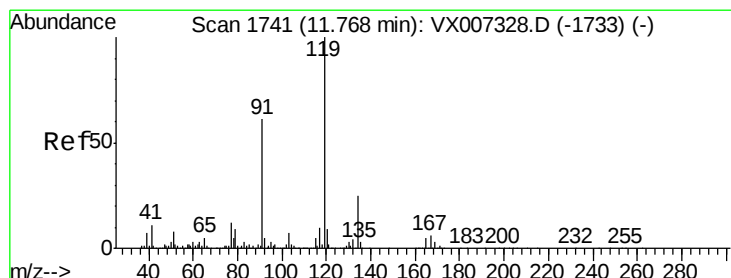
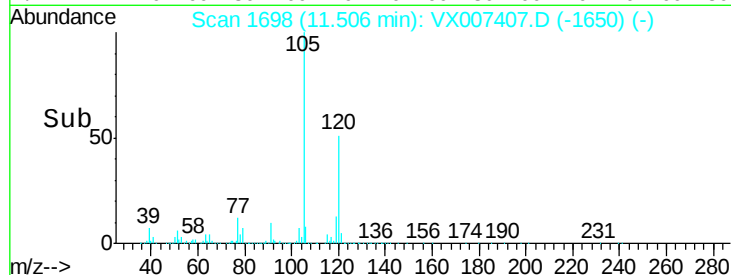
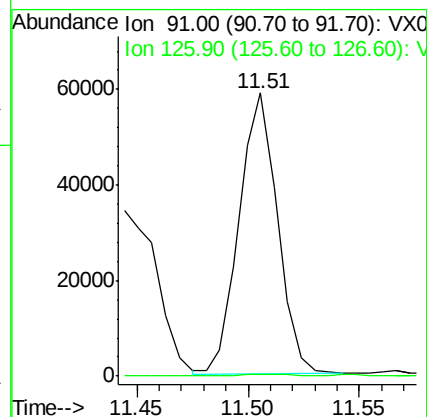
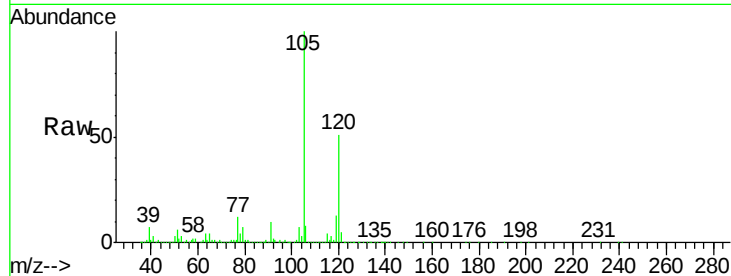
DUP-1

Tot Ion: 91 Resp: 70586

Ion Ratio Lower Upper

91 100

126 1.0 16.2 48.5#



#83

tert-Butylbenzene

Concen: 1.860 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

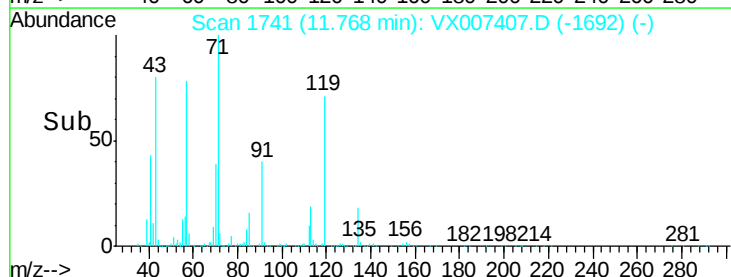
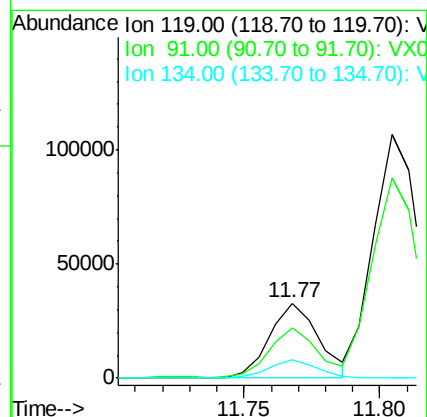
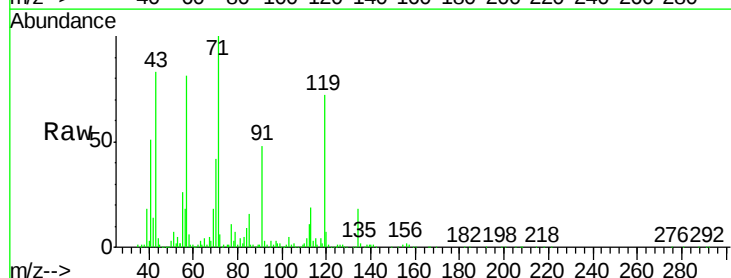
Tgt Ion: 119 Resp: 41214

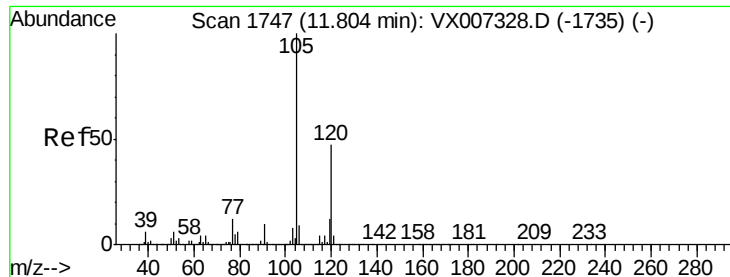
Ion Ratio Lower Upper

119 100

91 65.8 28.5 85.6

134 24.2 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 45.542 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

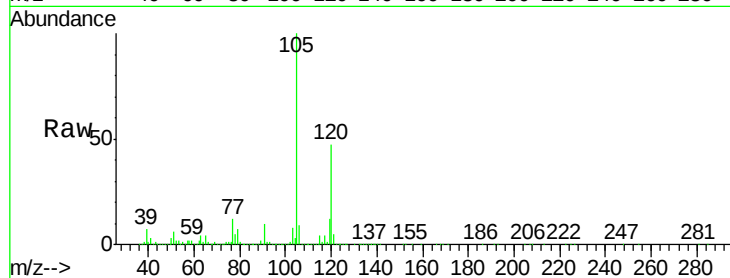
DUP-1

Tot Ion:105 Resp: 1034888

Ion Ratio Lower Upper

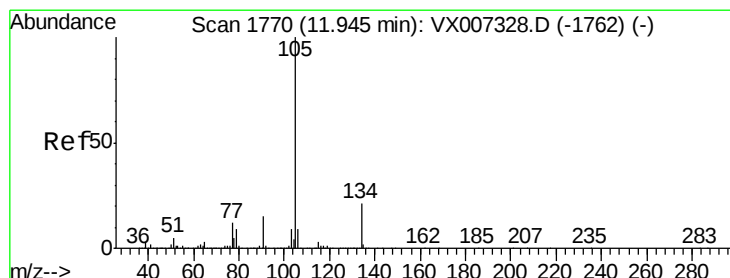
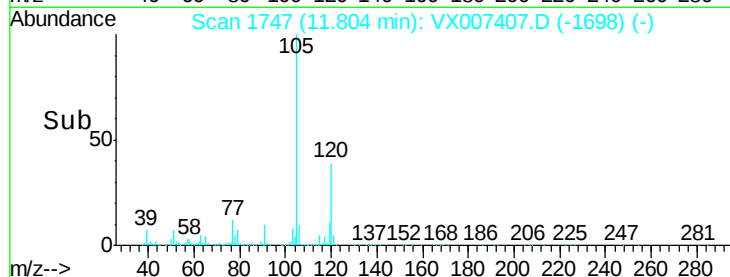
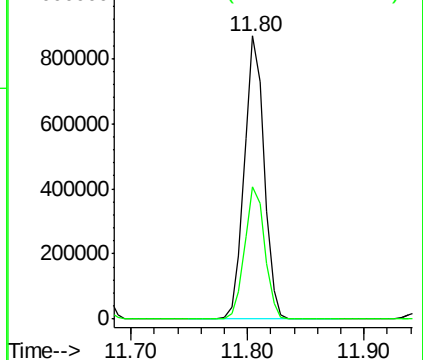
105 100

120 47.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 38.585 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX007407.D

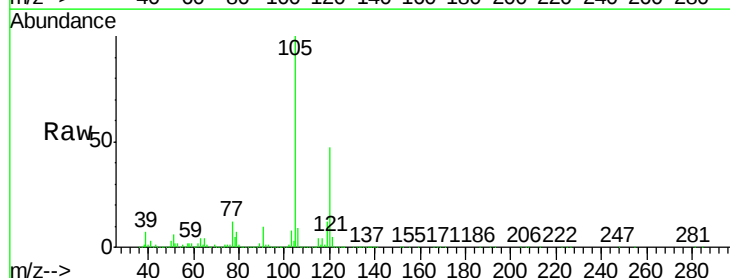
Acq: 06 Feb 2019 18:37

Tgt Ion:105 Resp: 1034888

Ion Ratio Lower Upper

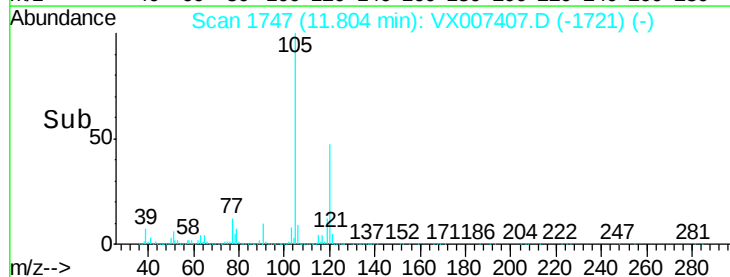
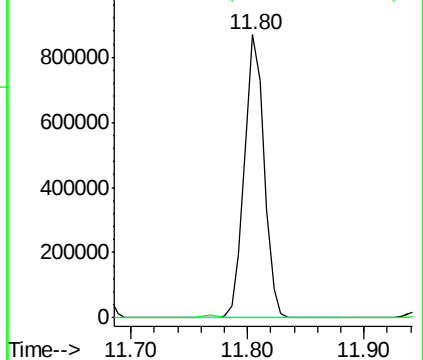
105 100

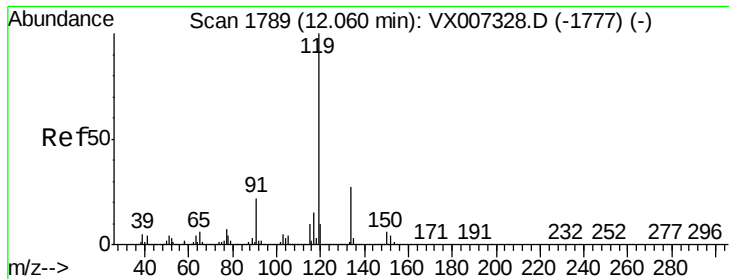
134 0.0 10.6 31.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 3.221 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleID :

DUP-1

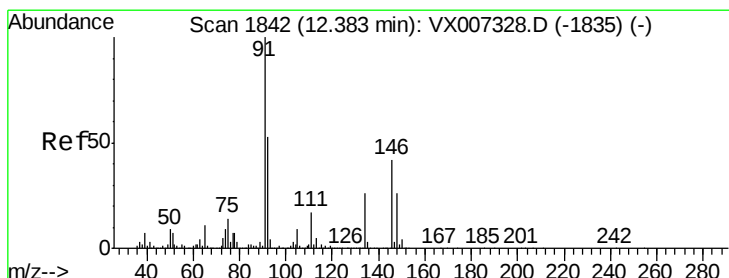
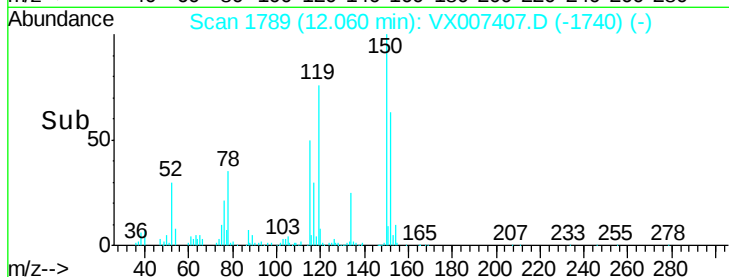
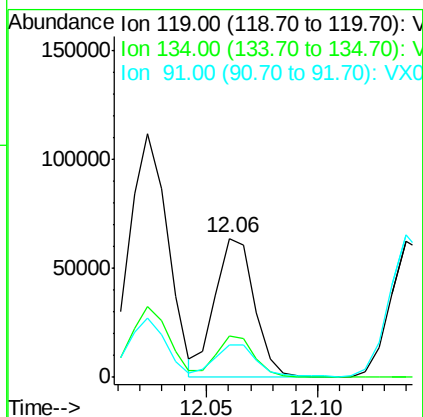
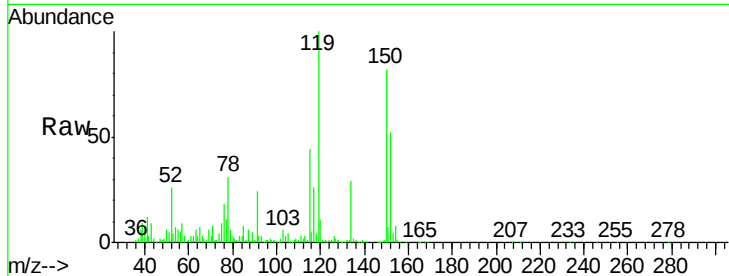
Tot Ion:119 Resp: 77973

Ion Ratio Lower Upper

119 100

134 28.9 13.7 41.1

91 24.5 11.2 33.5



#89

n-Butylbenzene

Concen: 6.503 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

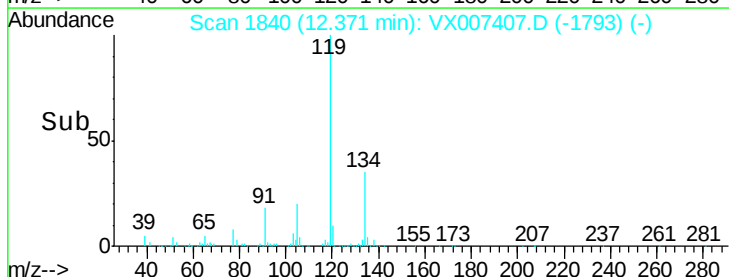
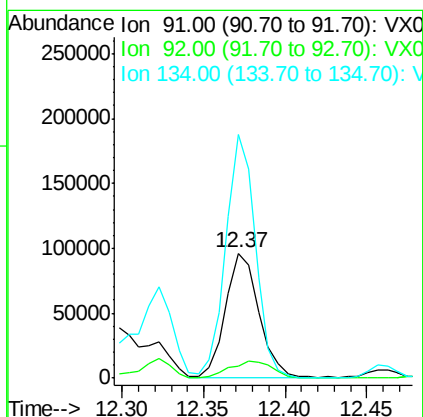
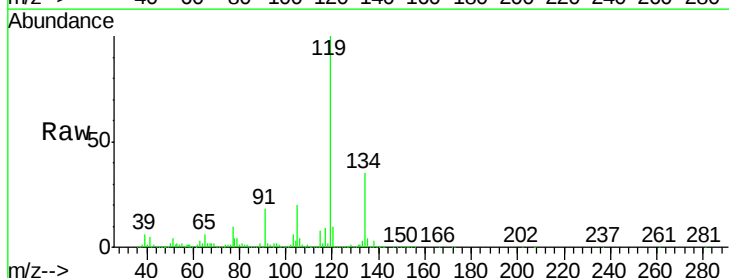
Tgt Ion: 91 Resp: 135446

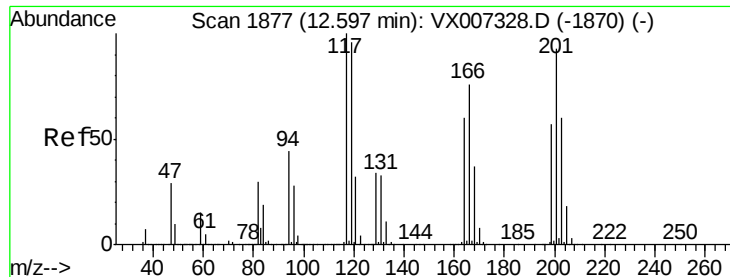
Ion Ratio Lower Upper

91 100

92 17.3 26.3 78.9#

134 174.3 13.9 41.6#





#90

Hexachloroethane

Concen: 4.772 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

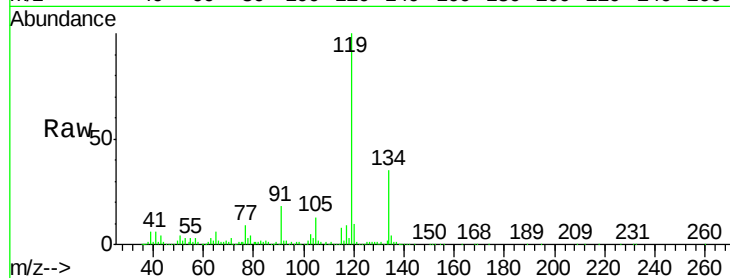
DUP-1

Tot Ion:117 Resp: 17292

Ion Ratio Lower Upper

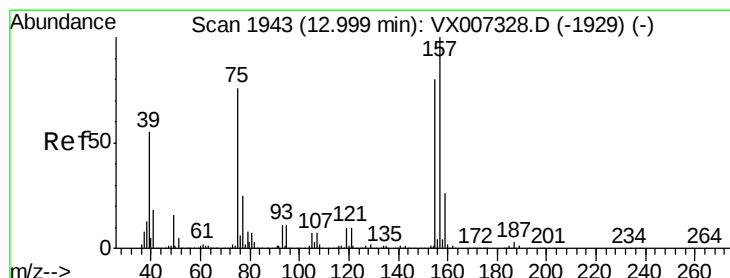
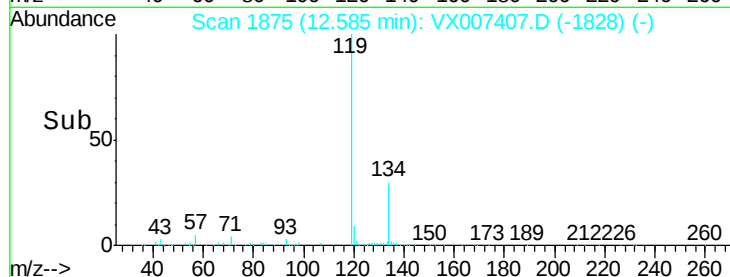
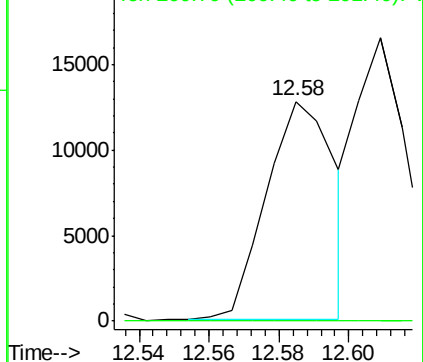
117 100

201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.029 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

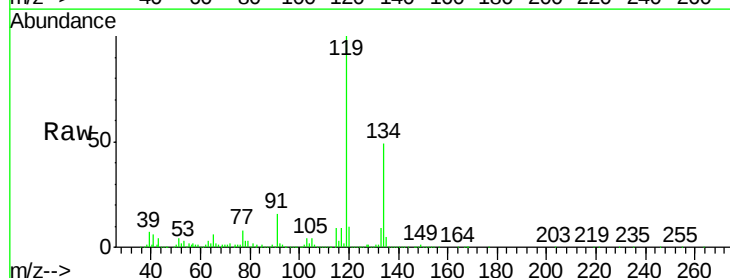
Tgt Ion: 75 Resp: 3518

Ion Ratio Lower Upper

75 100

155 0.0 49.6 149.0#

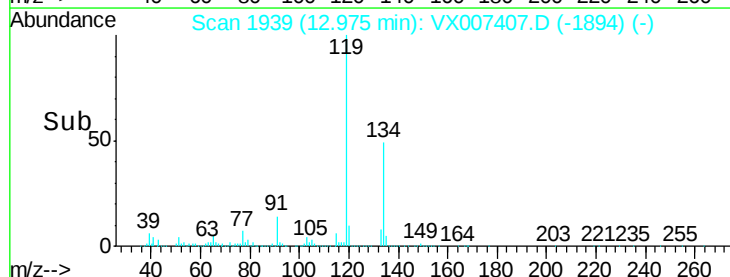
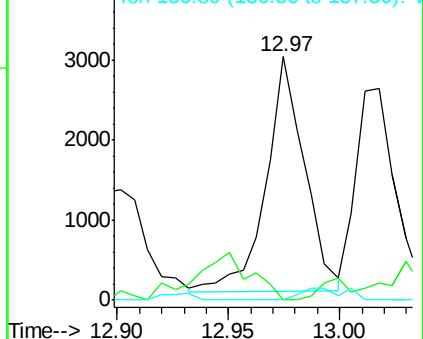
157 0.0 65.1 195.3#

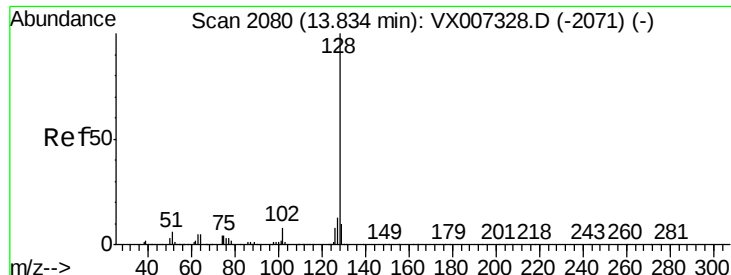


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 12.729 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

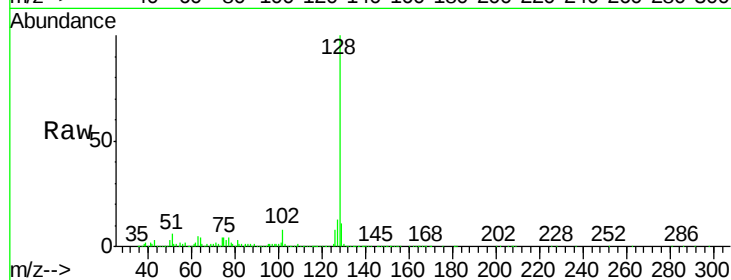
Tot Ion:128 Resp: 345613

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

