

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003491.D
 Acq On : 20 Jul 2018 04:05
 Operator : JC/SP
 Sample : J3170-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-071118

Quant Time: Jul 20 05:08:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	420987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	402566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186467	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	5.51	113	174112	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
50) Toluene-d8	8.72	98	604678	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.14	95	209686	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

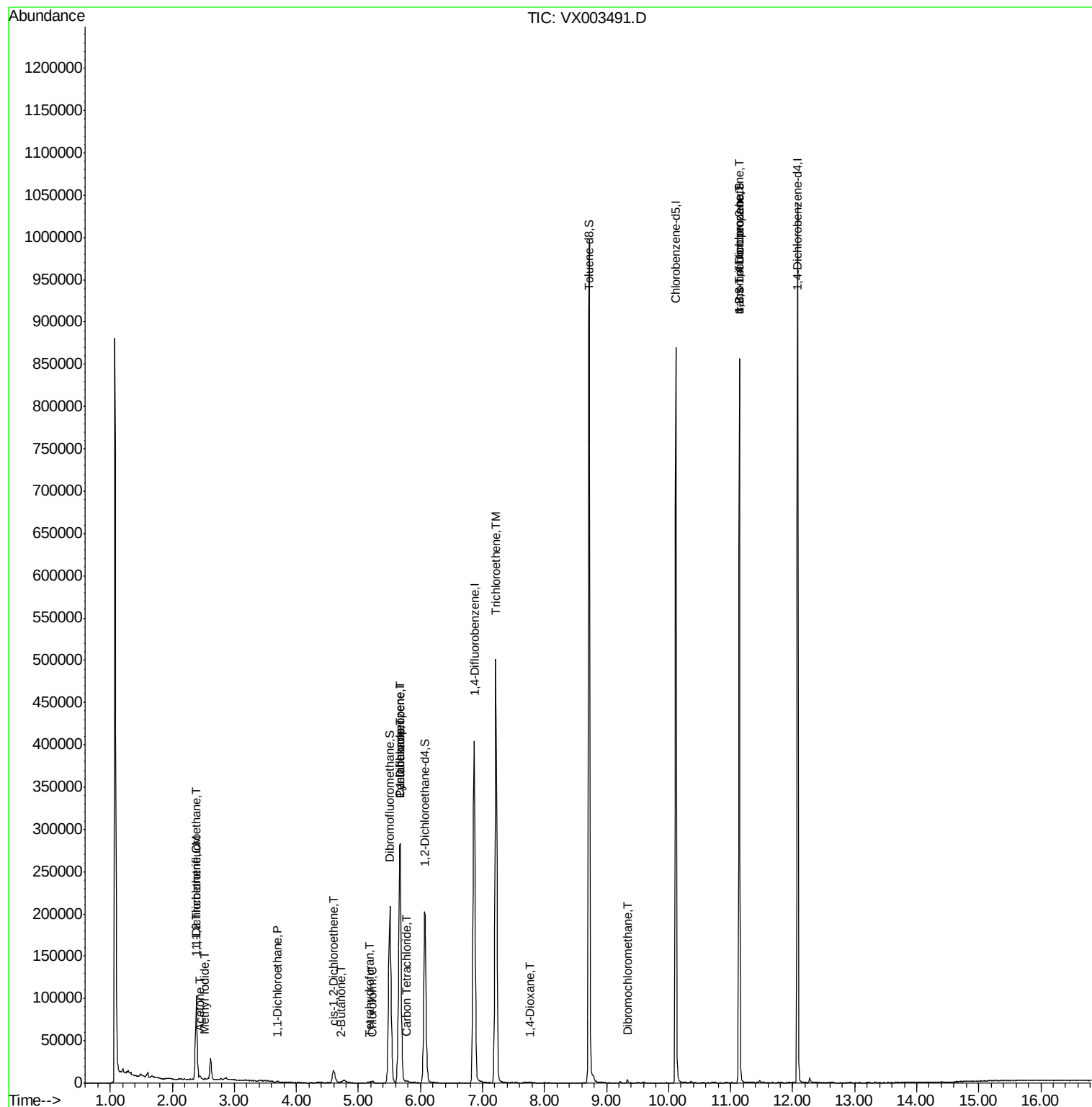
						Qvalue
2) Dichlorodifluoromethane	1.20	85	847	Below Cal		96
3) Chloromethane	1.33	50	983	Below Cal		96
5) Bromomethane	1.67	94	1368	Below Cal		93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39334	11.80	ug/l	98
10) Methyl Iodide	2.51	142	1060	0.26	ug/l #	75
12) 1,1-Dichloroethene	2.37	96	1408	0.46	ug/l	89
16) Acetone	2.45	43	3486	2.59	ug/l #	73
20) Methylene Chloride	2.87	84	926	Below Cal	#	63
24) 1,1-Dichloroethane	3.70	63	1499	0.25	ug/l #	83
25) 2-Butanone	4.72	43	500	0.22	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	5526	1.45	ug/l #	1
29) Tetrahydrofuran	5.18	42	578	0.39	ug/l #	56
30) Chloroform	5.22	83	2144	0.37	ug/l	95
31) Cyclohexane	5.67	56	4846	0.90	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18523	4.08	ug/l #	50
38) Carbon Tetrachloride	5.78	117	1069	0.24	ug/l	97
44) Trichloroethene	7.21	130	214094	52.31	ug/l	100
49) 1,4-Dioxane	7.77	88	581	7.43	ug/l	97
60) Dibromochloromethane	9.34	129	688	0.20	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	100087	25.23	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	100087	70.62	ug/l #	7

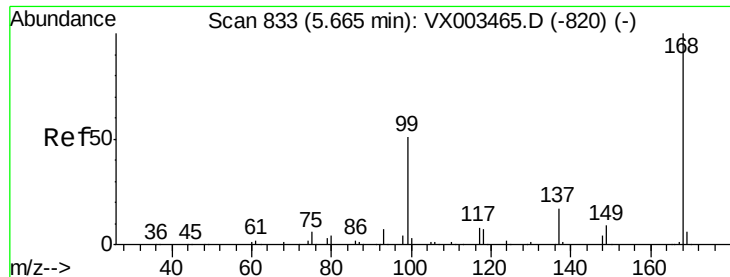
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071918\
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Acq On : 20 Jul 2018 04:05
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Sample : J3170-12
Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Jul 20 05:08:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

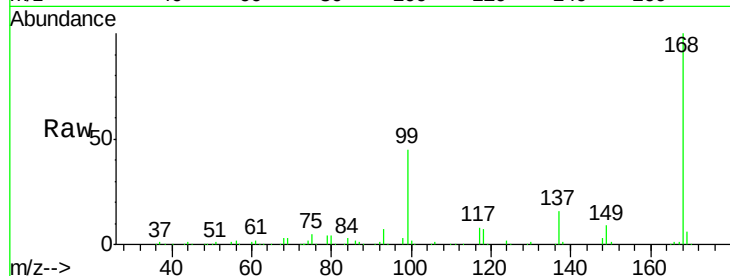
RE125D3-071118

Tot Ion:168 Resp: 300479

Ion Ratio Lower Upper

168 100

99 44.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

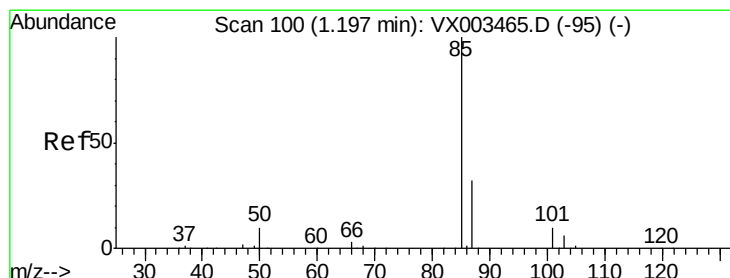
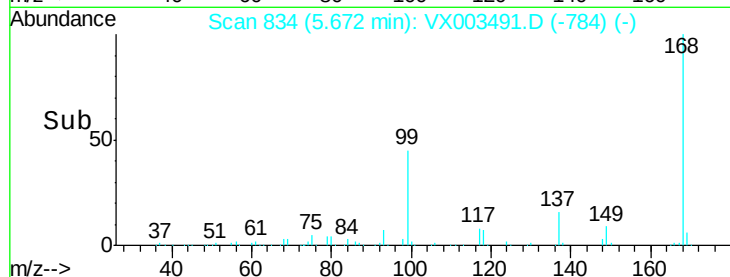
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003491.D

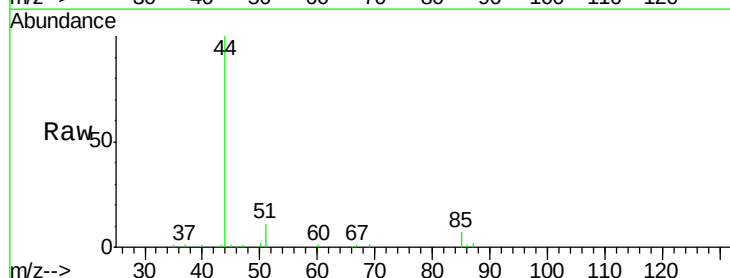
Acq: 20 Jul 2018 04:05

Tgt Ion: 85 Resp: 847

Ion Ratio Lower Upper

85 100

87 34.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

1000

800

600

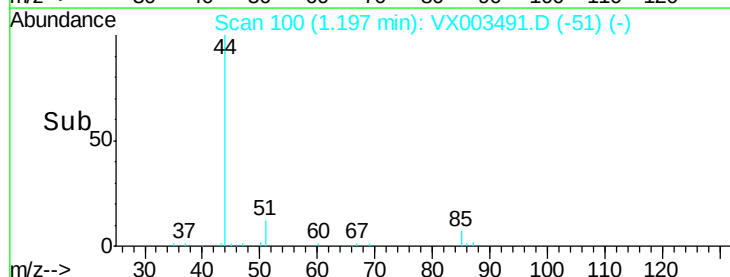
400

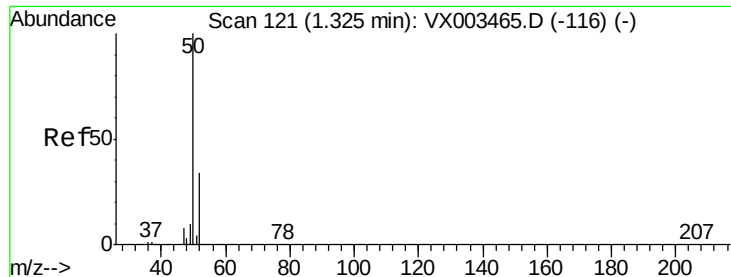
200

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

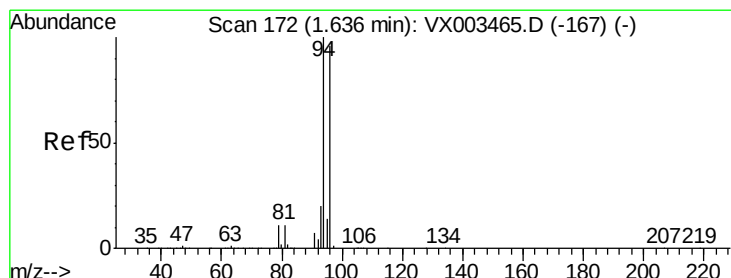
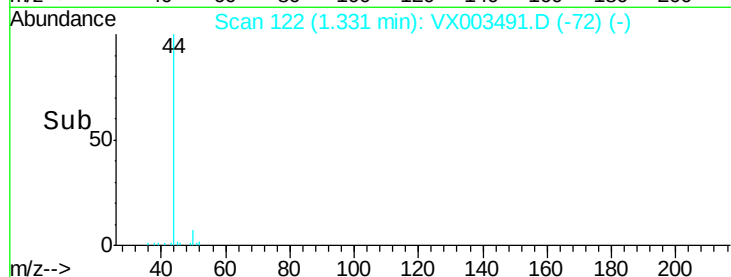
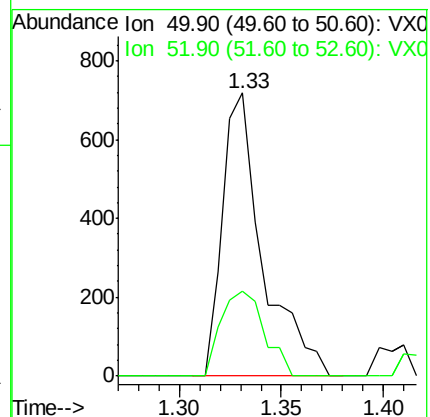
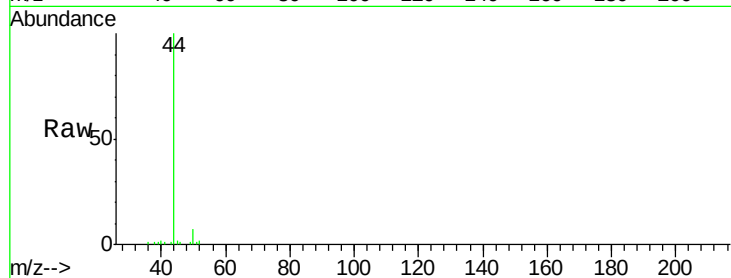
RE125D3-071118

Tot Ion: 50 Resp: 983

Ion Ratio Lower Upper

50 100

52 29.9 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003491.D

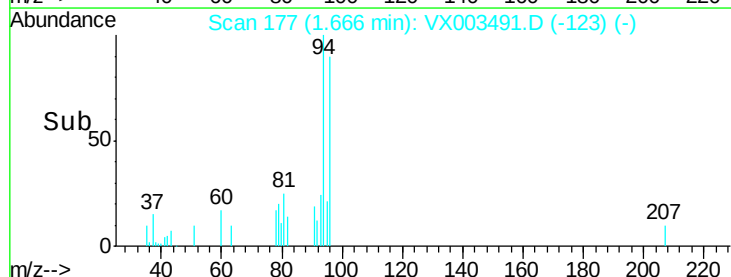
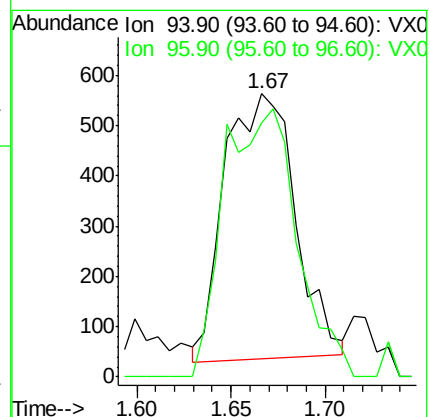
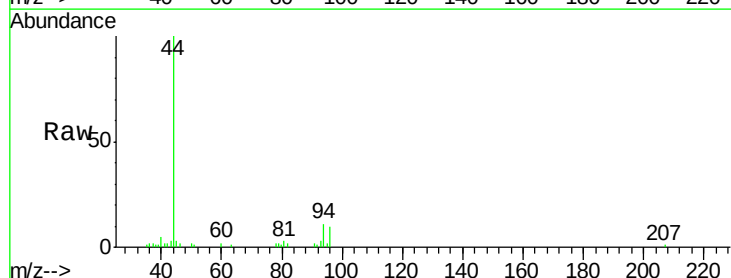
Acq: 20 Jul 2018 04:05

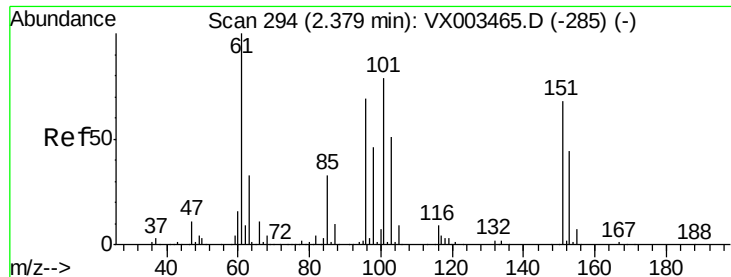
Tgt Ion: 94 Resp: 1368

Ion Ratio Lower Upper

94 100

96 100.6 74.9 112.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.80 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

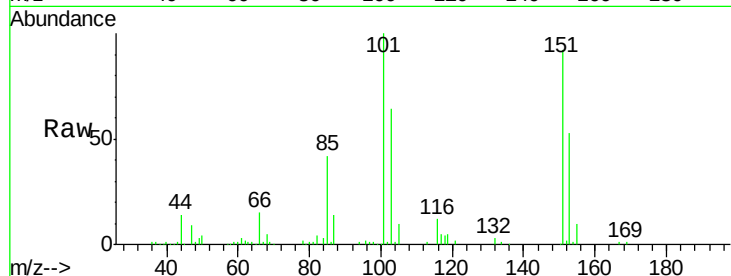
Tot Ion:101 Resp: 39334

Ion Ratio Lower Upper

101 100

85 41.7 36.0 54.0

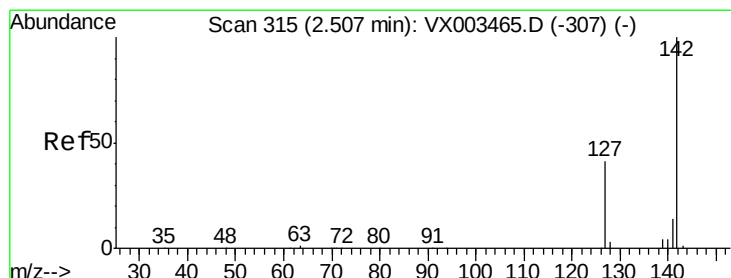
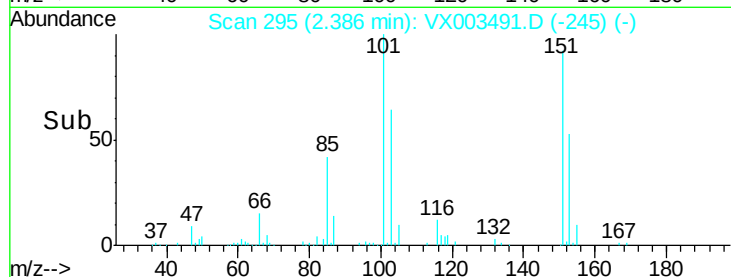
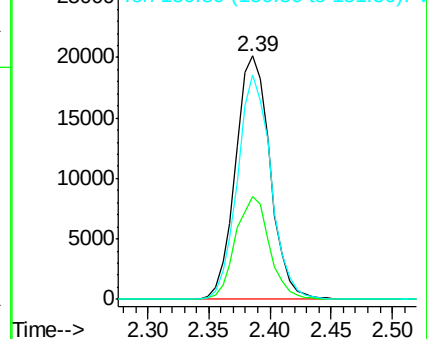
151 89.6 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

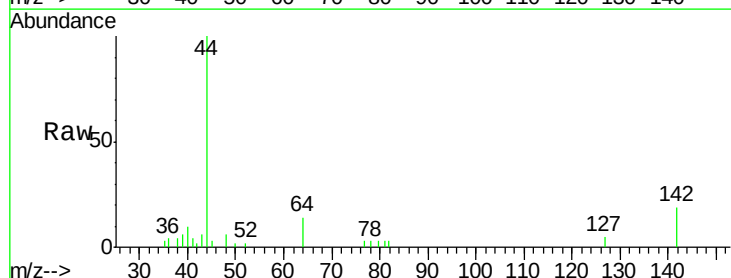
Tgt Ion:142 Resp: 1060

Ion Ratio Lower Upper

142 100

127 29.3 36.6 55.0#

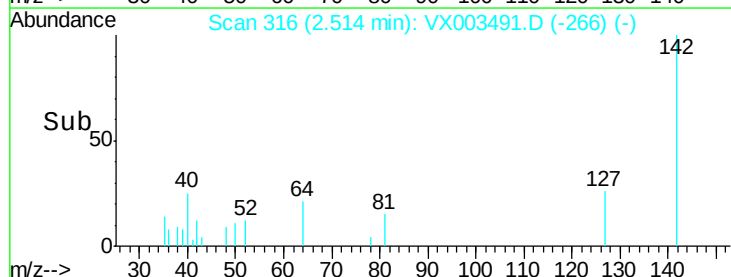
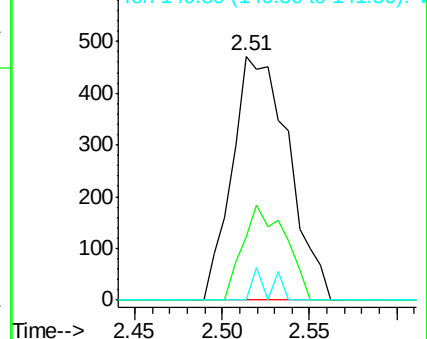
141 4.1 11.3 16.9#

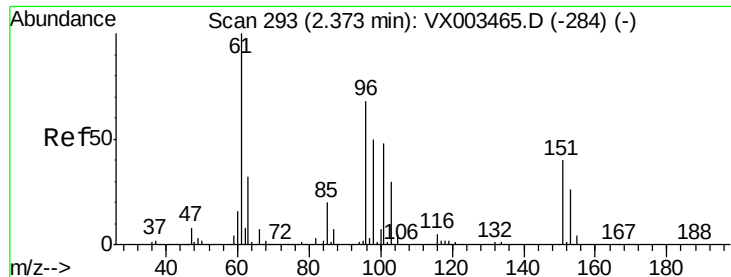


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 0.46 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

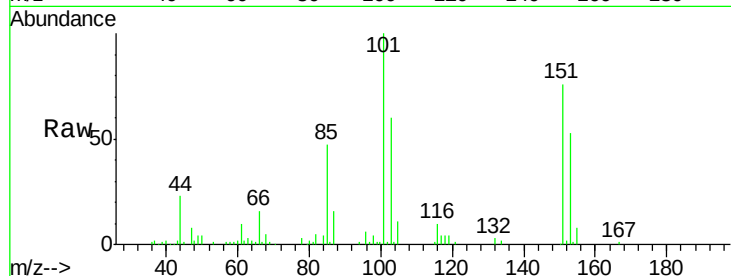
Tot Ion: 96 Resp: 1408

Ion Ratio Lower Upper

96 100

61 153.9 137.9 206.9

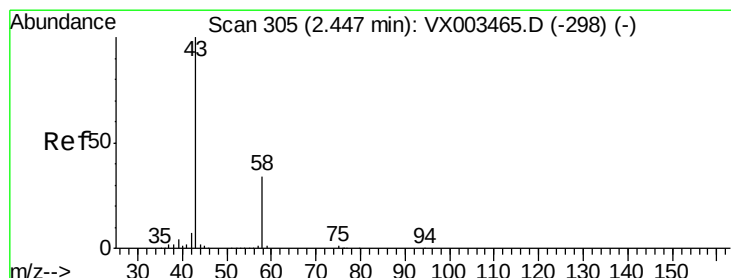
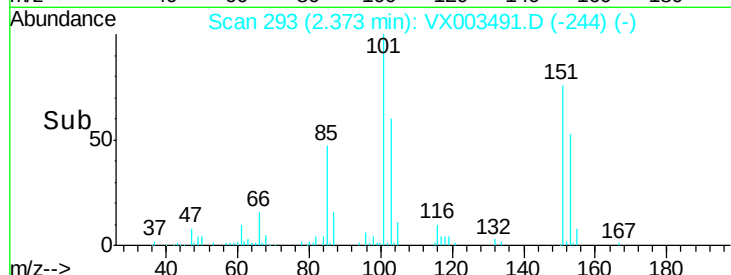
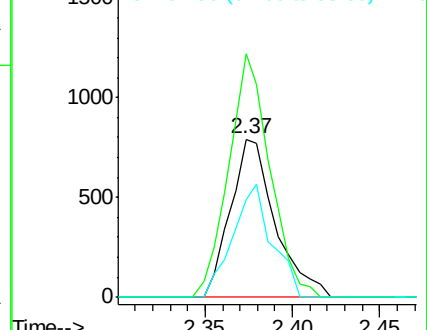
98 61.6 51.6 77.4



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



#16

Acetone

Concen: 2.59 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003491.D

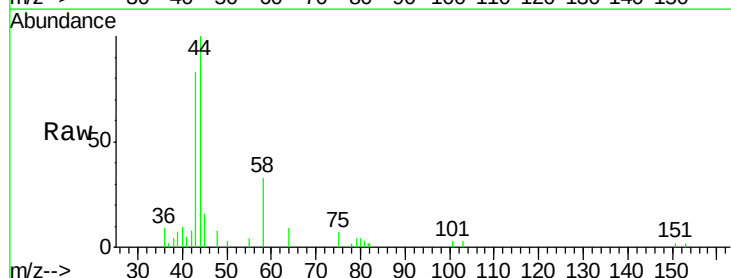
Acq: 20 Jul 2018 04:05

Tgt Ion: 43 Resp: 3486

Ion Ratio Lower Upper

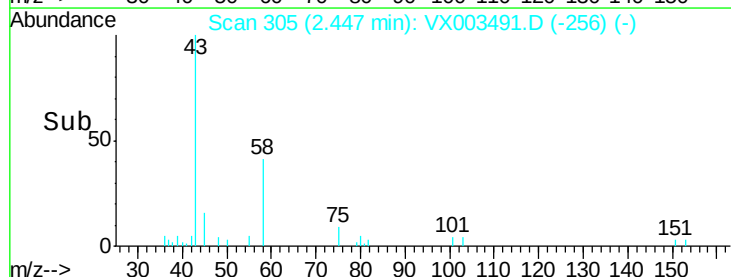
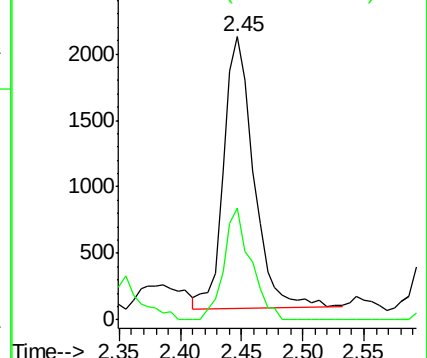
43 100

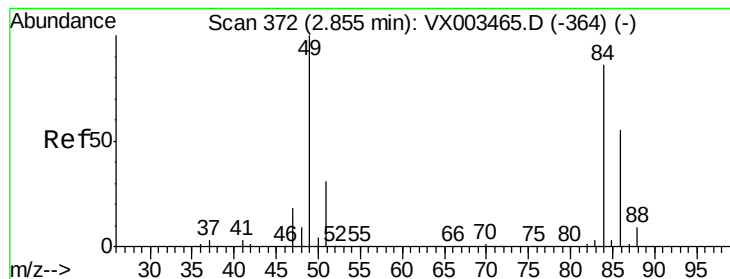
58 41.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

Tot Ion: 84 Resp: 926

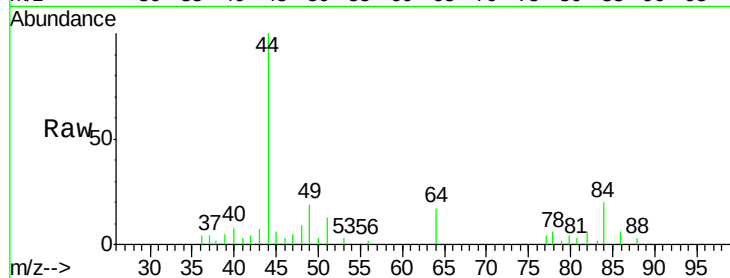
Ion Ratio Lower Upper

84 100

49 95.7 107.8 161.6#

51 64.9 32.8 49.2#

86 31.4 52.5 78.7#

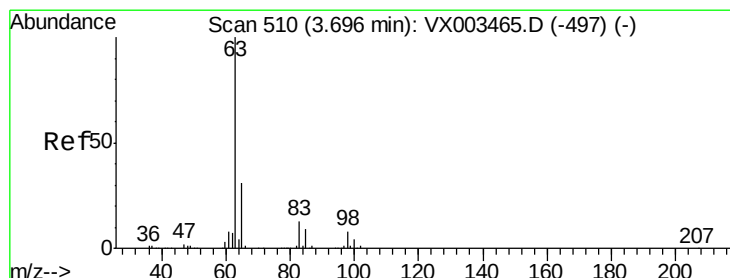
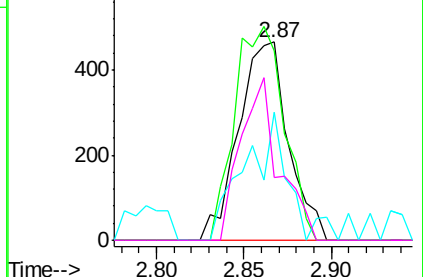
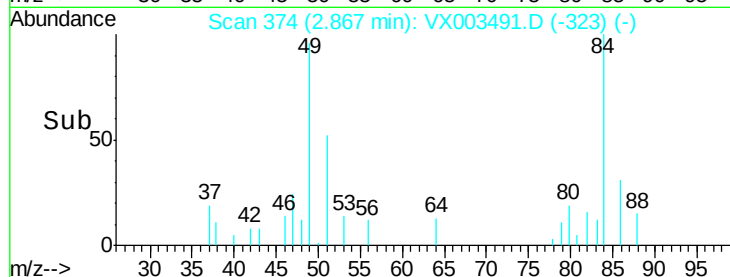


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#24

1,1-Dichloroethane

Concen: 0.25 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

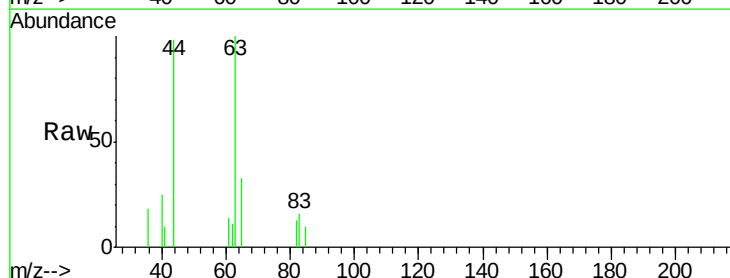
Tgt Ion: 63 Resp: 1499

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

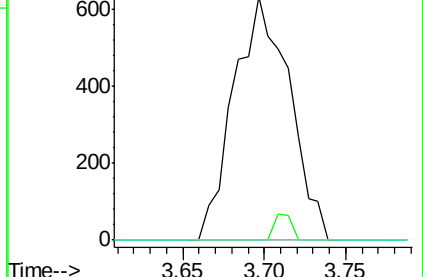
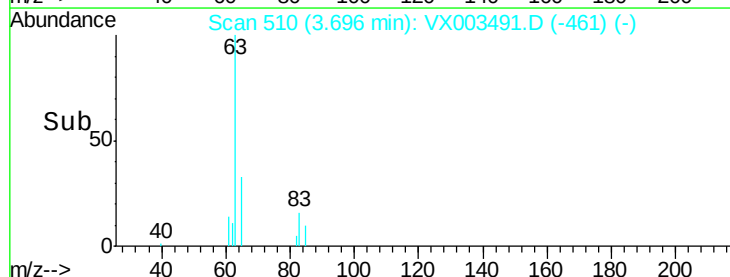
100 0.0 2.0 6.0#

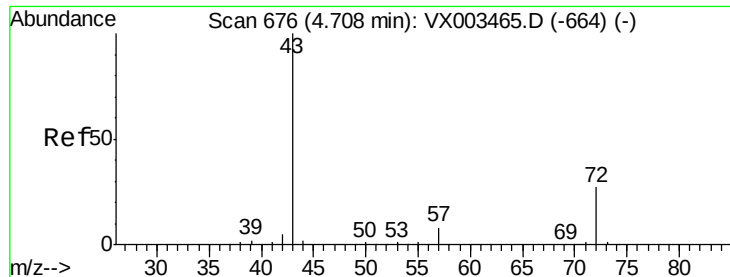


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

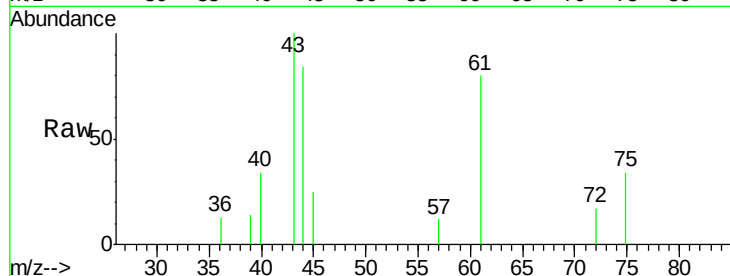
RE125D3-071118

Tot Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

72 21.5 18.5 27.7

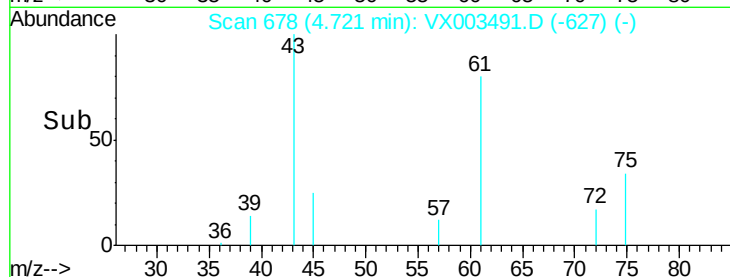


Abundance Ion 43.00 (42.70 to 43.70): VX0

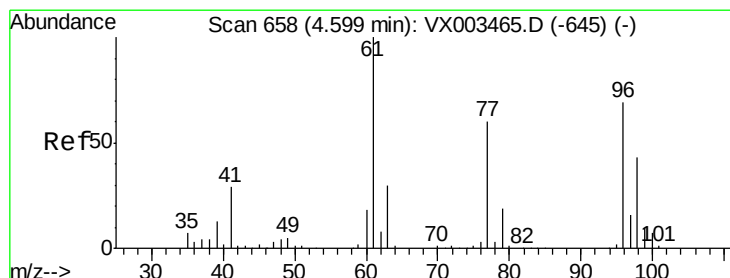
Ion 72.00 (71.70 to 72.70): VX0

4.72

4.75



Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.45 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

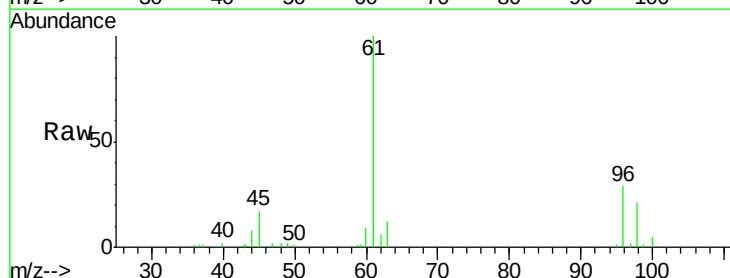
Tgt Ion: 96 Resp: 5526

Ion Ratio Lower Upper

96 100

61 458.5 0.0 330.2#

98 69.1 0.0 130.2



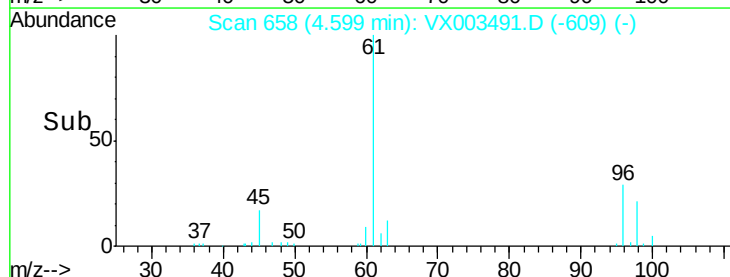
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

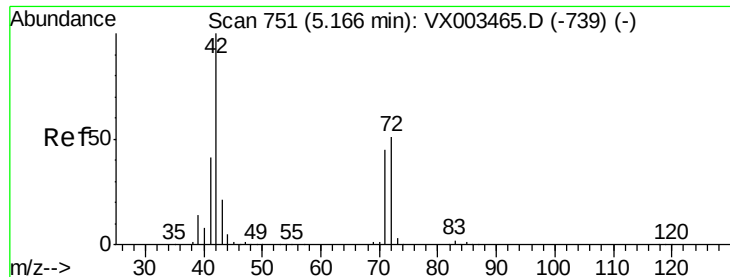
Ion 97.90 (97.60 to 98.60): VX0

4.60

4.70



Time-->



#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

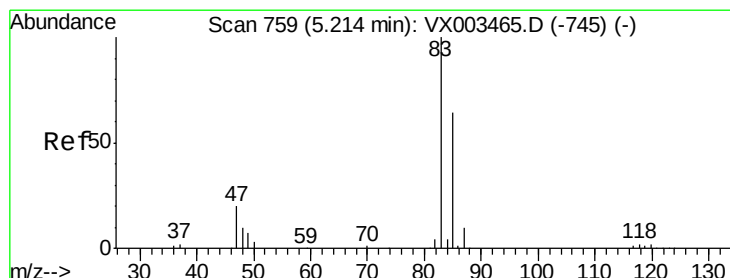
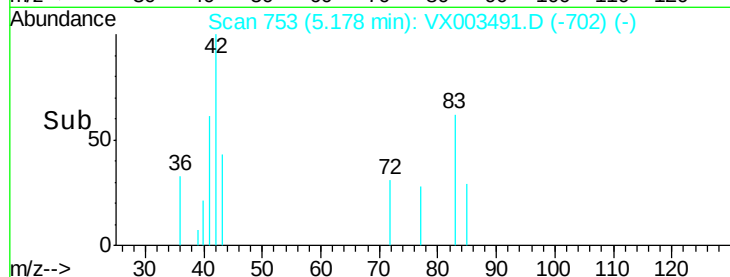
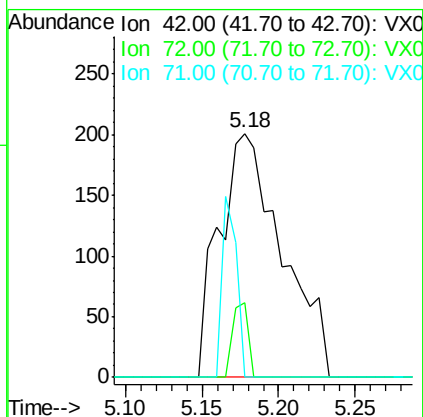
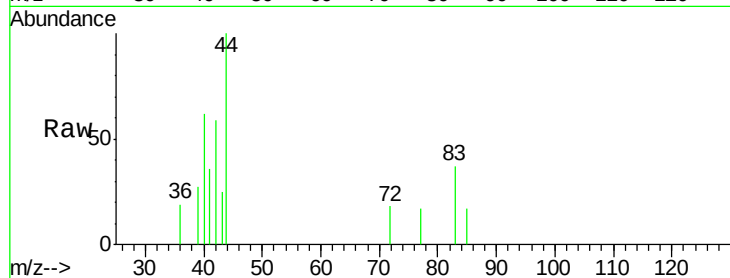
Tot Ion: 42 Resp: 578

Ion Ratio Lower Upper

42 100

72 7.6 32.0 48.0#

71 16.4 30.1 45.1#



#30

Chloroform

Concen: 0.37 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003491.D

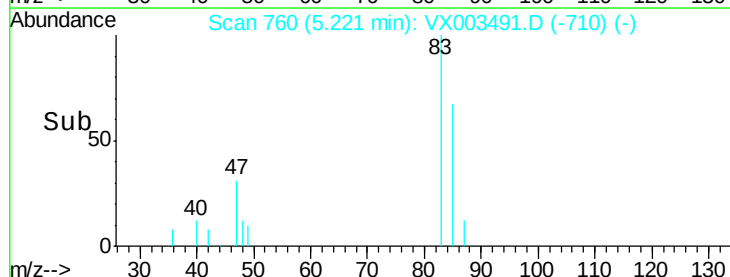
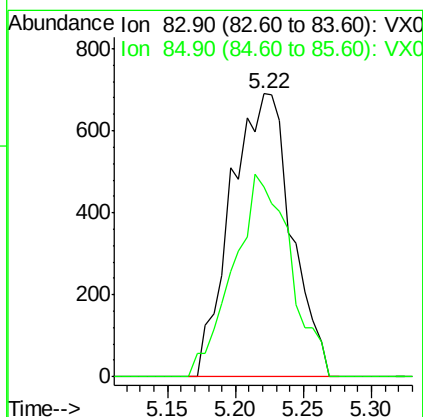
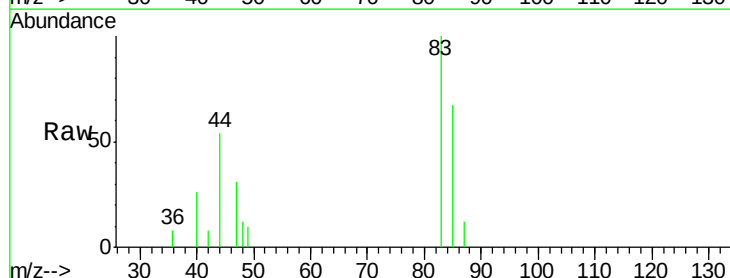
Acq: 20 Jul 2018 04:05

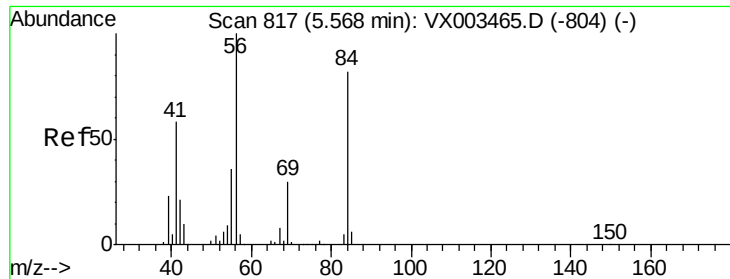
Tgt Ion: 83 Resp: 2144

Ion Ratio Lower Upper

83 100

85 67.0 50.4 75.6

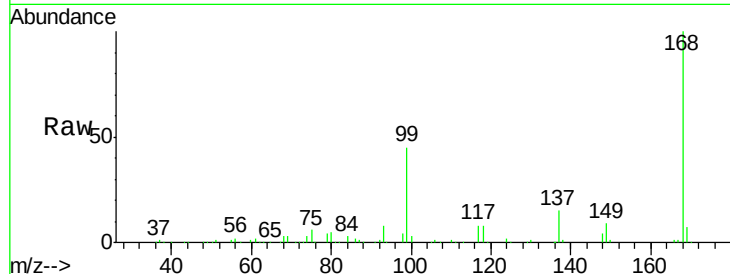




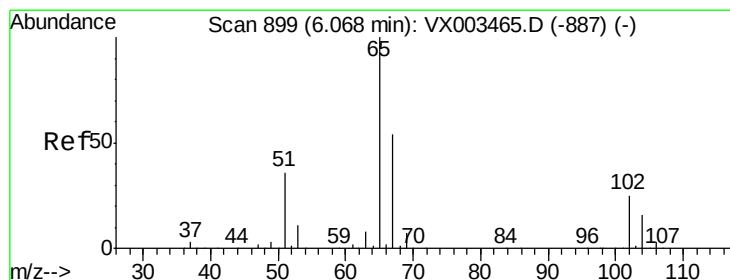
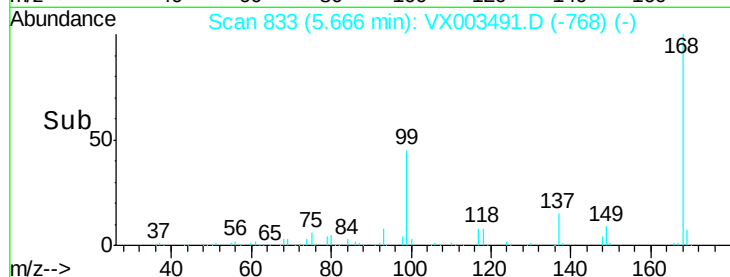
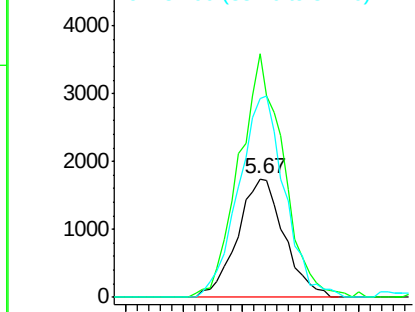
#31
Cyclohexane
Concen: 0.90 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.10 min
Lab File: VX003491.D
Acq: 20 Jul 2018 04:05

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-071118

Tot Ion: 56 Resp: 4846
Ion Ratio Lower Upper
56 100
69 205.2 23.7 35.5#
84 167.7 64.1 96.1#

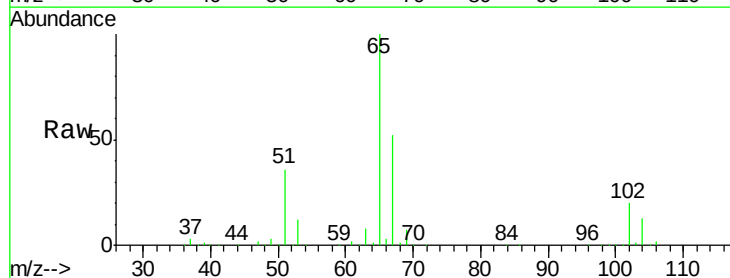


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

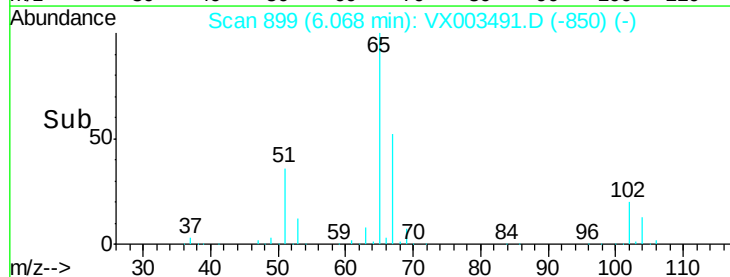
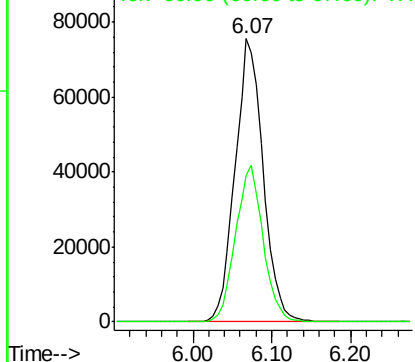


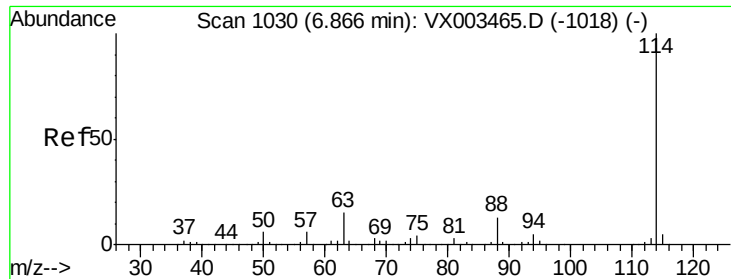
#33
1,2-Dichloroethane-d4
Concen: 52.42 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003491.D
Acq: 20 Jul 2018 04:05

Tgt Ion: 65 Resp: 186467
Ion Ratio Lower Upper
65 100
67 54.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

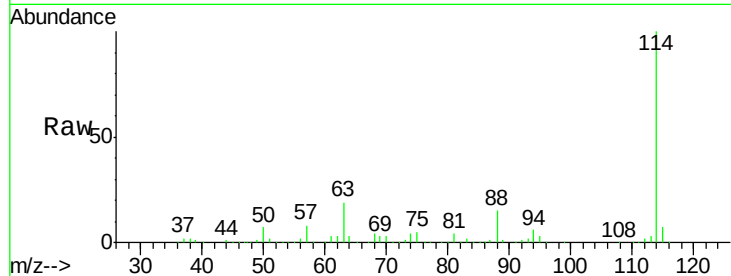
Tot Ion:114 Resp: 420987

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

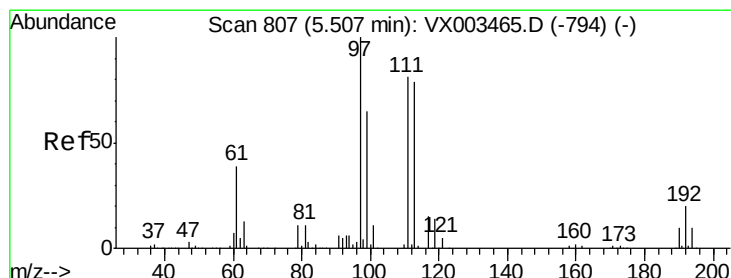
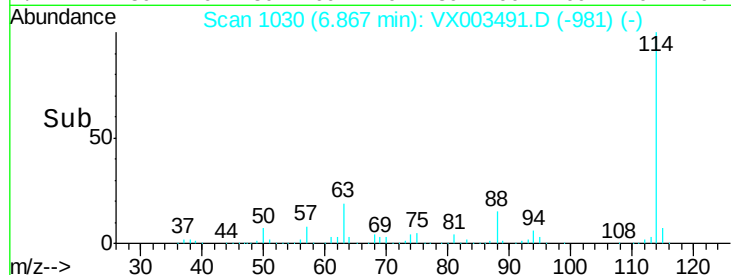
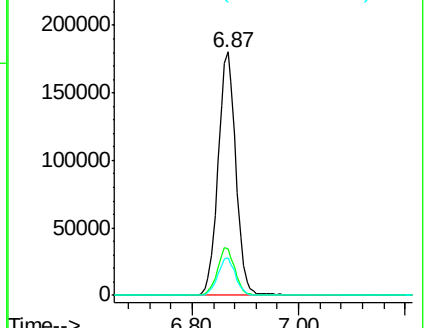
88 15.4 0.0 30.0



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: 54.30 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

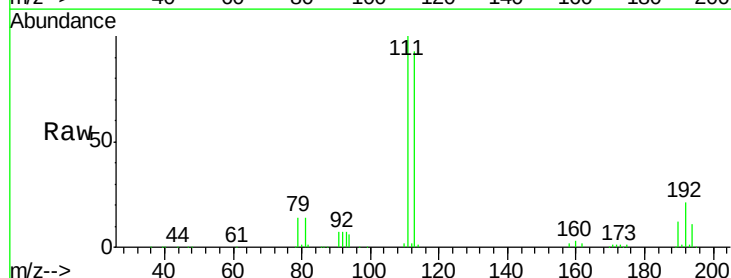
Tgt Ion:113 Resp: 174112

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

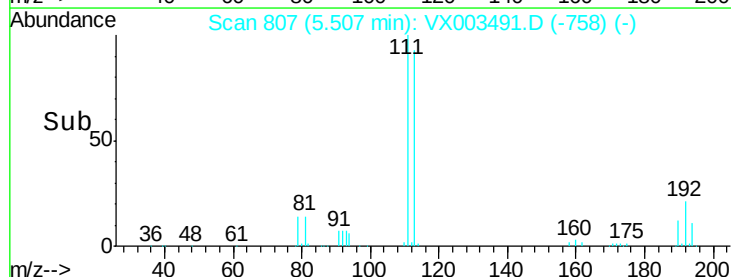
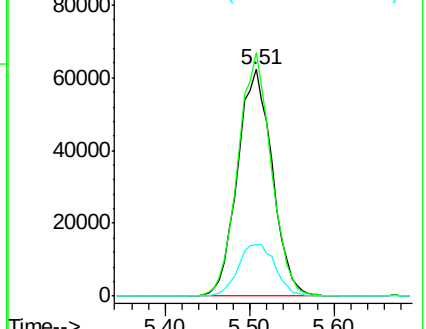
192 24.3 19.1 28.7

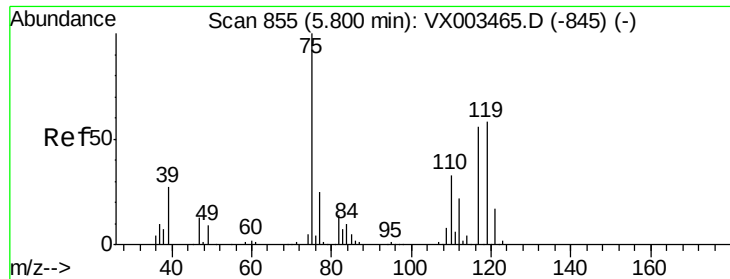


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.08 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

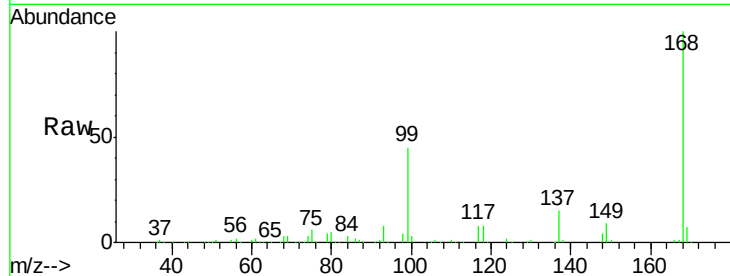
Tot Ion: 75 Resp: 18523

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

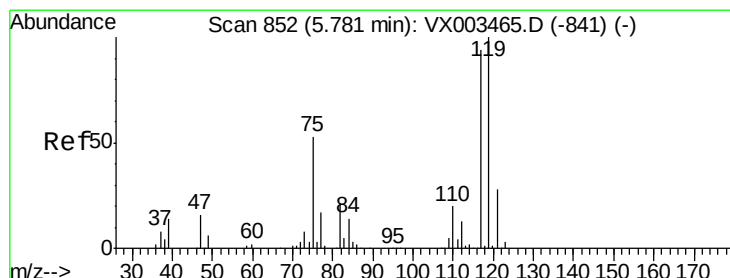
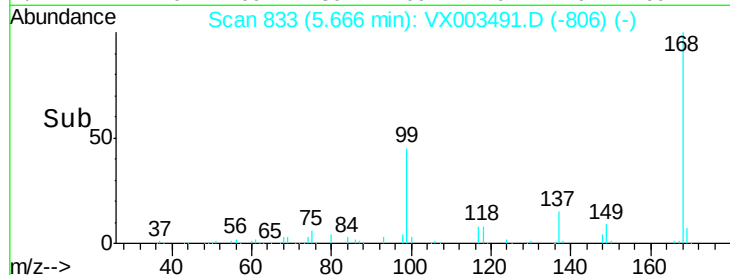
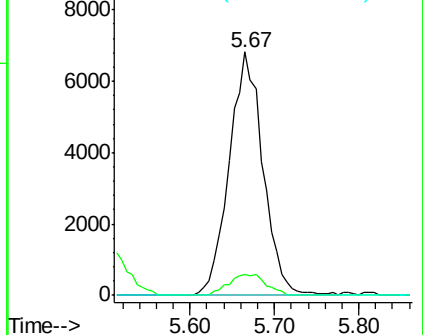
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 0.24 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

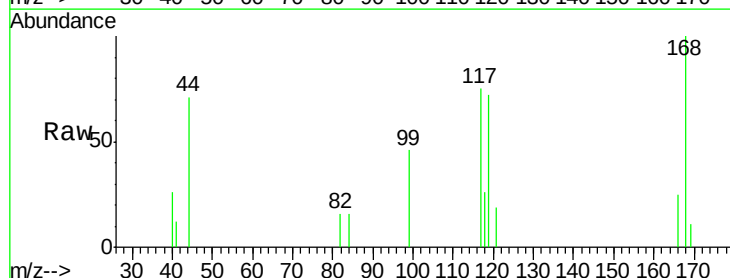
Tgt Ion: 117 Resp: 1069

Ion Ratio Lower Upper

117 100

119 95.2 77.4 116.0

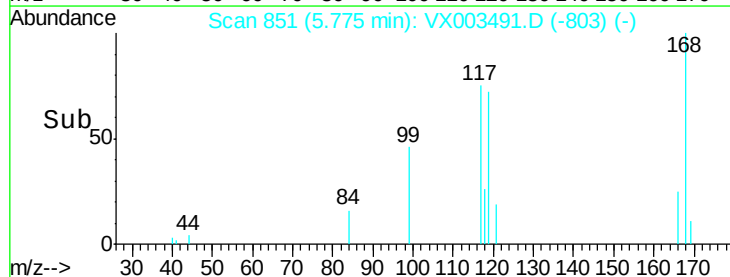
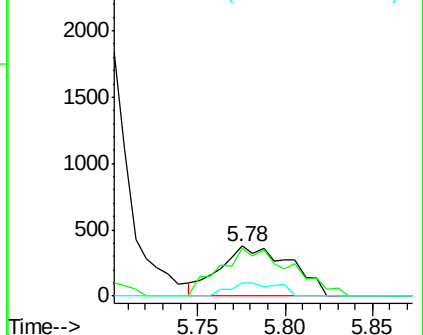
121 25.8 24.4 36.6

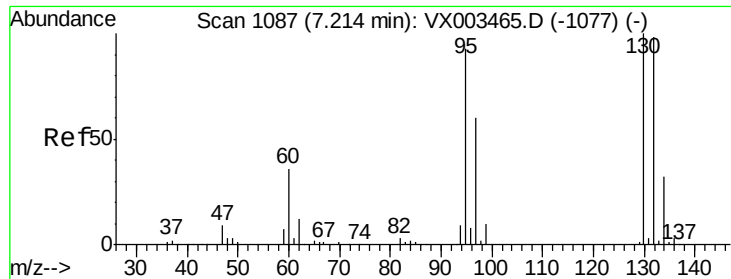


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 52.31 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

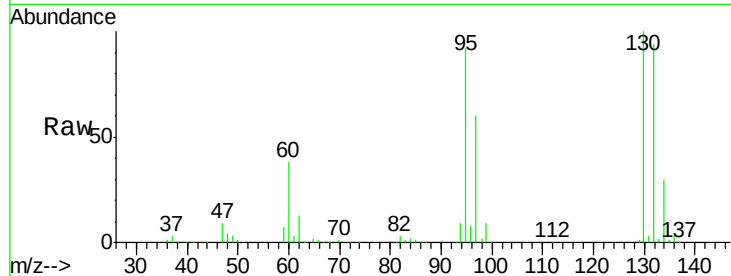
RE125D3-071118

Tot Ion:130 Resp: 214094

Ion Ratio Lower Upper

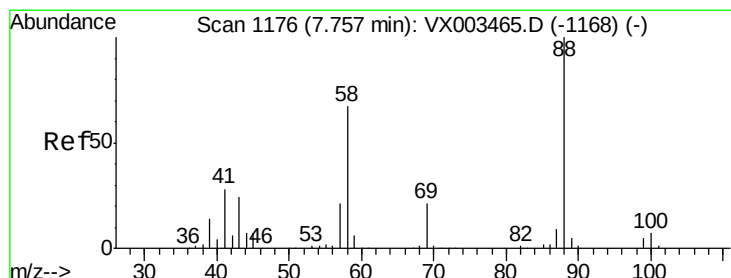
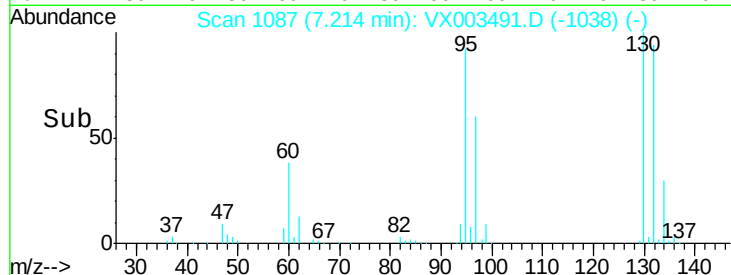
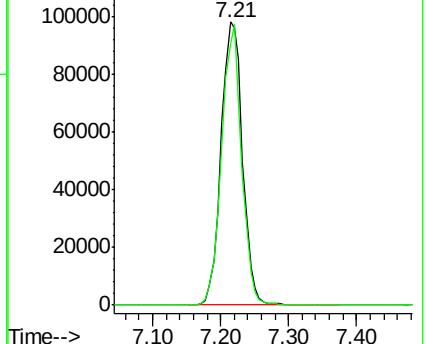
130 100

95 92.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 7.43 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

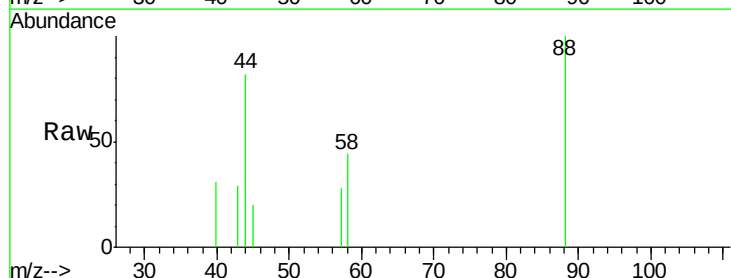
Tgt Ion: 88 Resp: 581

Ion Ratio Lower Upper

88 100

43 38.7 29.8 44.6

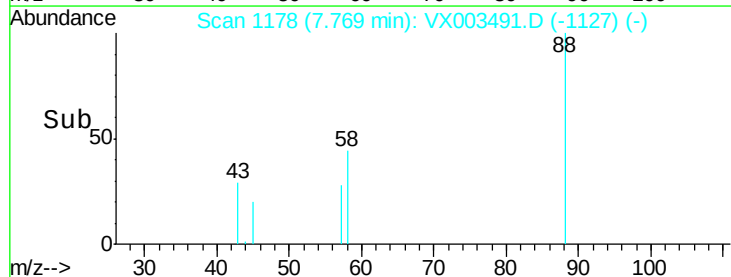
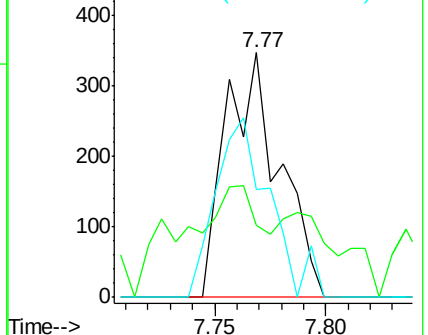
58 73.8 57.1 85.7

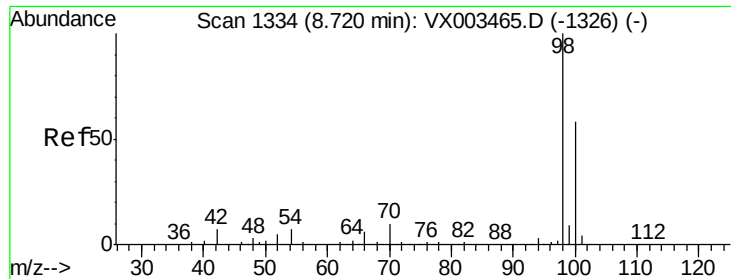


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

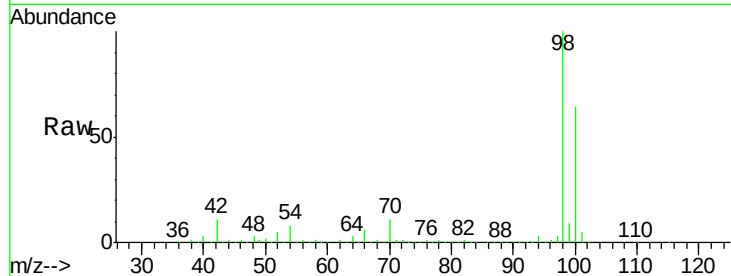




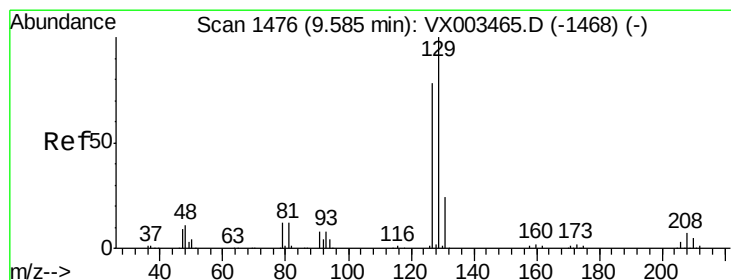
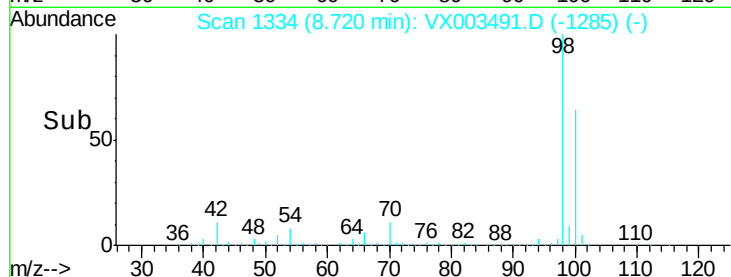
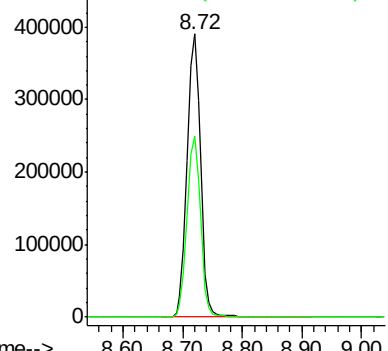
#50
Toluene-d8
Concen: 50.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003491.D
Acq: 20 Jul 2018 04:05

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-071118

Tot Ion: 98 Resp: 604678
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

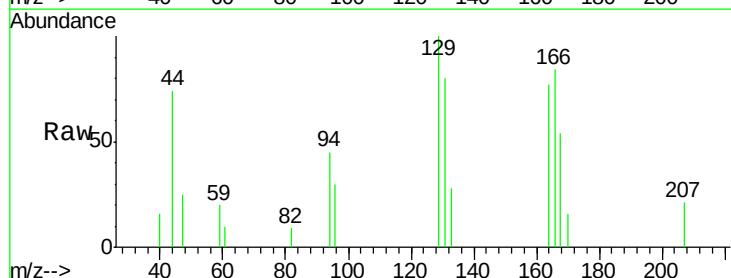


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

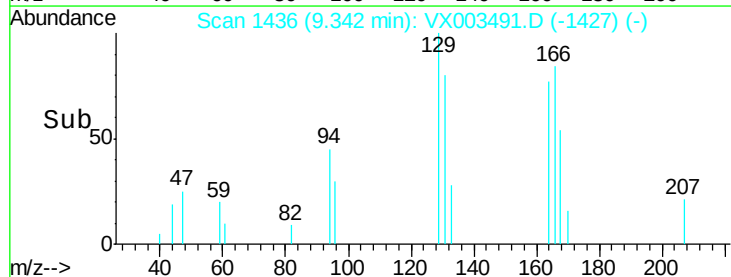
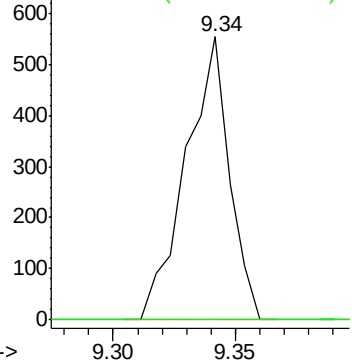


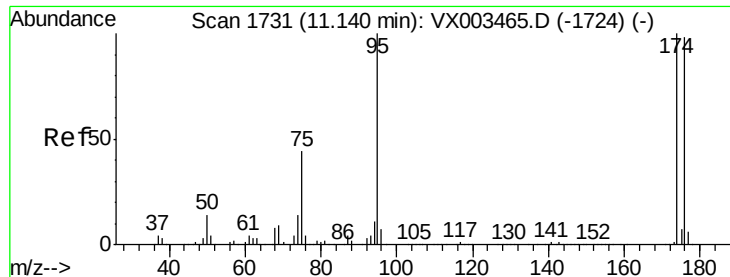
#60
Dibromochloromethane
Concen: 0.20 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX003491.D
Acq: 20 Jul 2018 04:05

Tgt Ion:129 Resp: 688
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

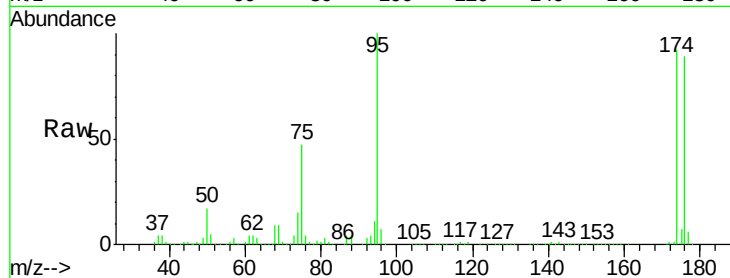
Tot Ion: 95 Resp: 209686

Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.4

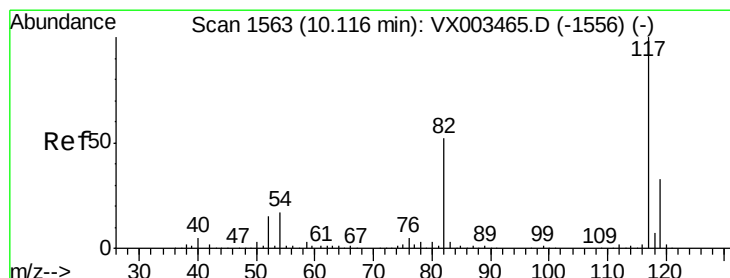
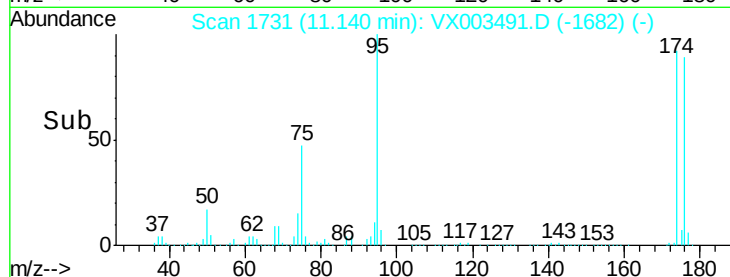
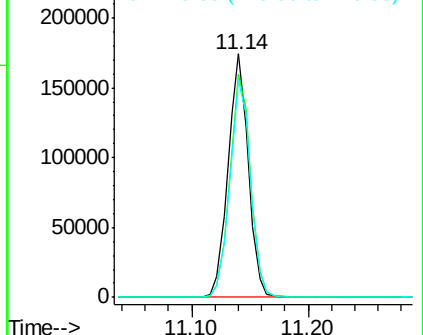
176 91.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

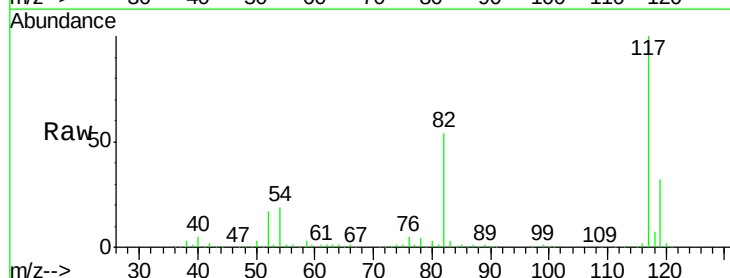
Tgt Ion: 117 Resp: 402566

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.4

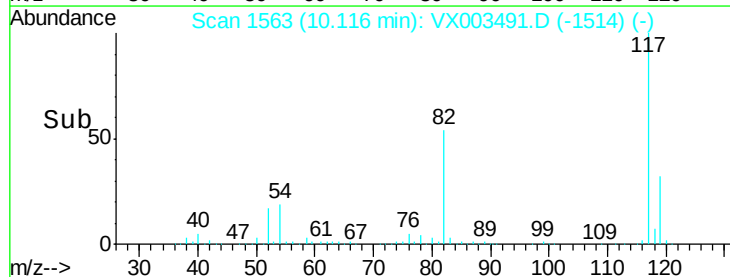
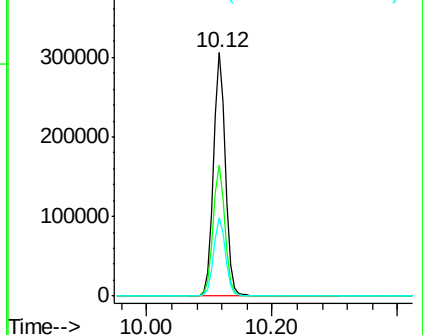
119 32.4 25.8 38.6

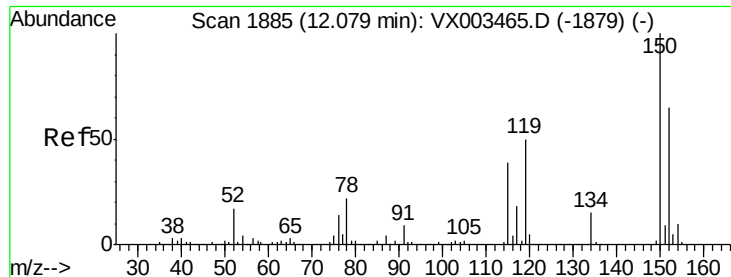


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

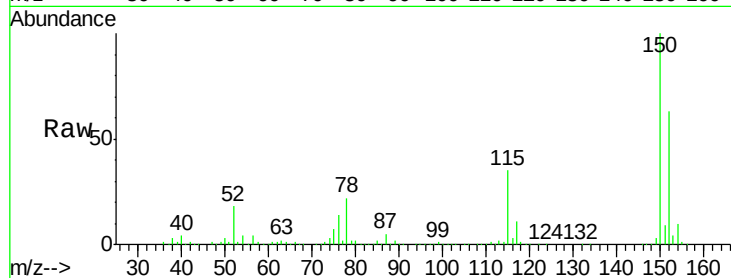
Tot Ion:152 Resp: 220859

Ion Ratio Lower Upper

152 100

115 54.9 40.1 120.2

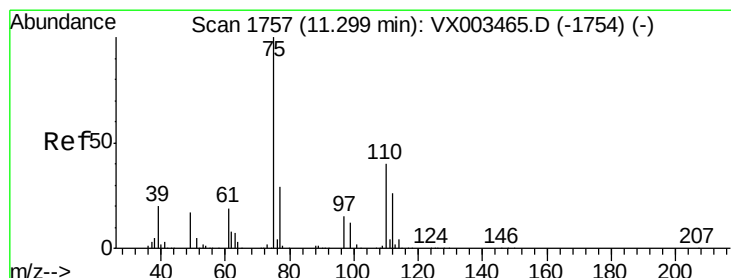
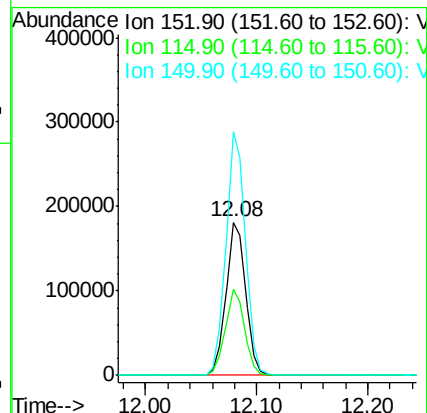
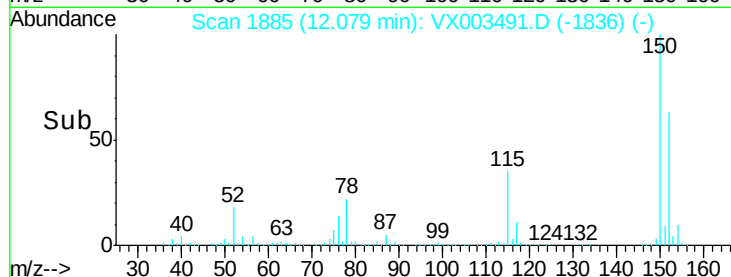
150 157.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003491.D

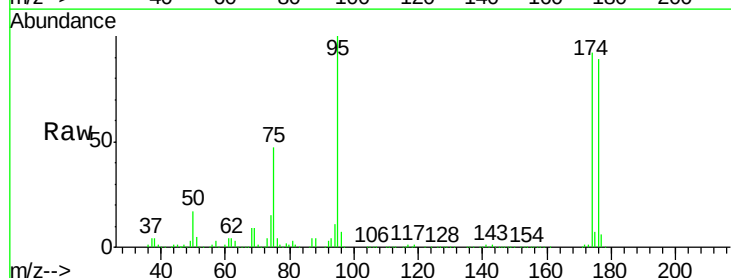
Acq: 20 Jul 2018 04:05

Tgt Ion: 75 Resp: 100087

Ion Ratio Lower Upper

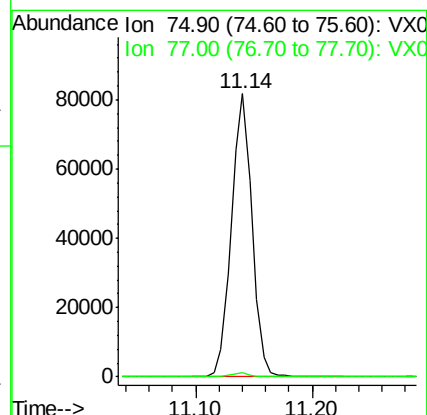
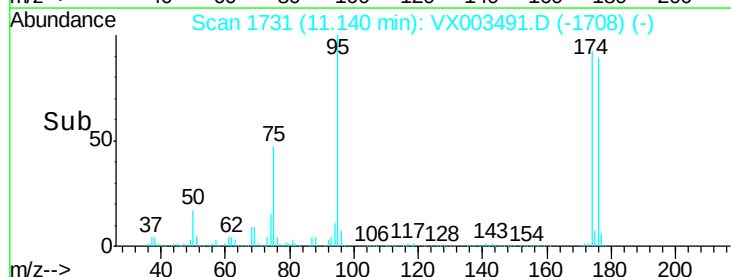
75 100

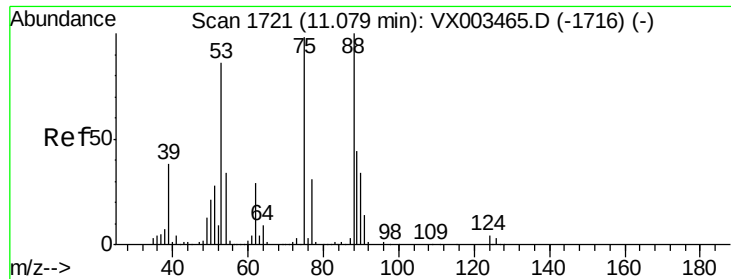
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003491.D

Acq: 20 Jul 2018 04:05

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-071118

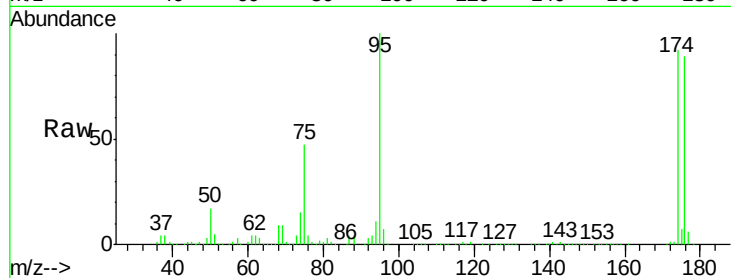
Tot Ion: 75 Resp: 100087

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

