

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061518\
 Data File : VV006284.D
 Acq On : 15 Jun 2018 16:02
 Operator : SY/MD
 Sample : J3397-05 2000X
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BEXT4

Quant Time: Jun 15 23:52:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 15 23:47:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	300060	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	271061	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87981	5.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.40%
7) Chloroethane-d5	1.58	69	72825	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.00%
11) 1,1-Dichloroethene-d2	2.13	63	125428	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.97	46	195487	56.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.36%
24) Chloroform-d	4.41	84	155491	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.09	65	80593	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.11	84	339520	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.12	67	98929	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.37	98	323670	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.67	79	36477	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	168710	44.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.18%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65245	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	117474	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	63441	2.741	ug/L 100
8) Chloroethane	1.32	64	20035	1.549	ug/L # 57
13) Acetone	2.22	43	20124	10.672	ug/L 90
15) Methyl Acetate	2.22	43	20124	3.586	ug/L # 46
19) 1,1-Dichloroethane	3.23	63	11095	0.351	ug/L 98
21) 2-Butanone	4.06	43	6942	2.024	ug/L 80
22) cis-1,2-Dichloroethene	3.97	96	410709	20.203	ug/L # 98
27) 1,2-Dichloroethane	5.15	62	24096	1.286	ug/L # 72
33) Benzene	5.15	78	3100736	41.491	ug/L 100
35) Methylcyclohexane	6.13	83	24878	0.710	ug/L # 20
37) 1,2-Dichloropropane	6.12	63	10805	0.604	ug/L # 85
40) 4-Methyl-2-pentanone	7.29	43	6066	0.655	ug/L # 83
42) Toluene	7.44	91	4587173	55.608	ug/L 98
48) 2-Hexanone	8.19	43	11310	1.738	ug/L # 86
51) Chlorobenzene	8.93	112	836087	15.787	ug/L 99
52) Ethylbenzene	9.06	91	113949	1.240	ug/L 99
53) m,p-xylene	9.18	106	161146	4.495	ug/L 97

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QLast Update : Fri Jun 15 23:47:49 2018
Response via : Initial Calibration

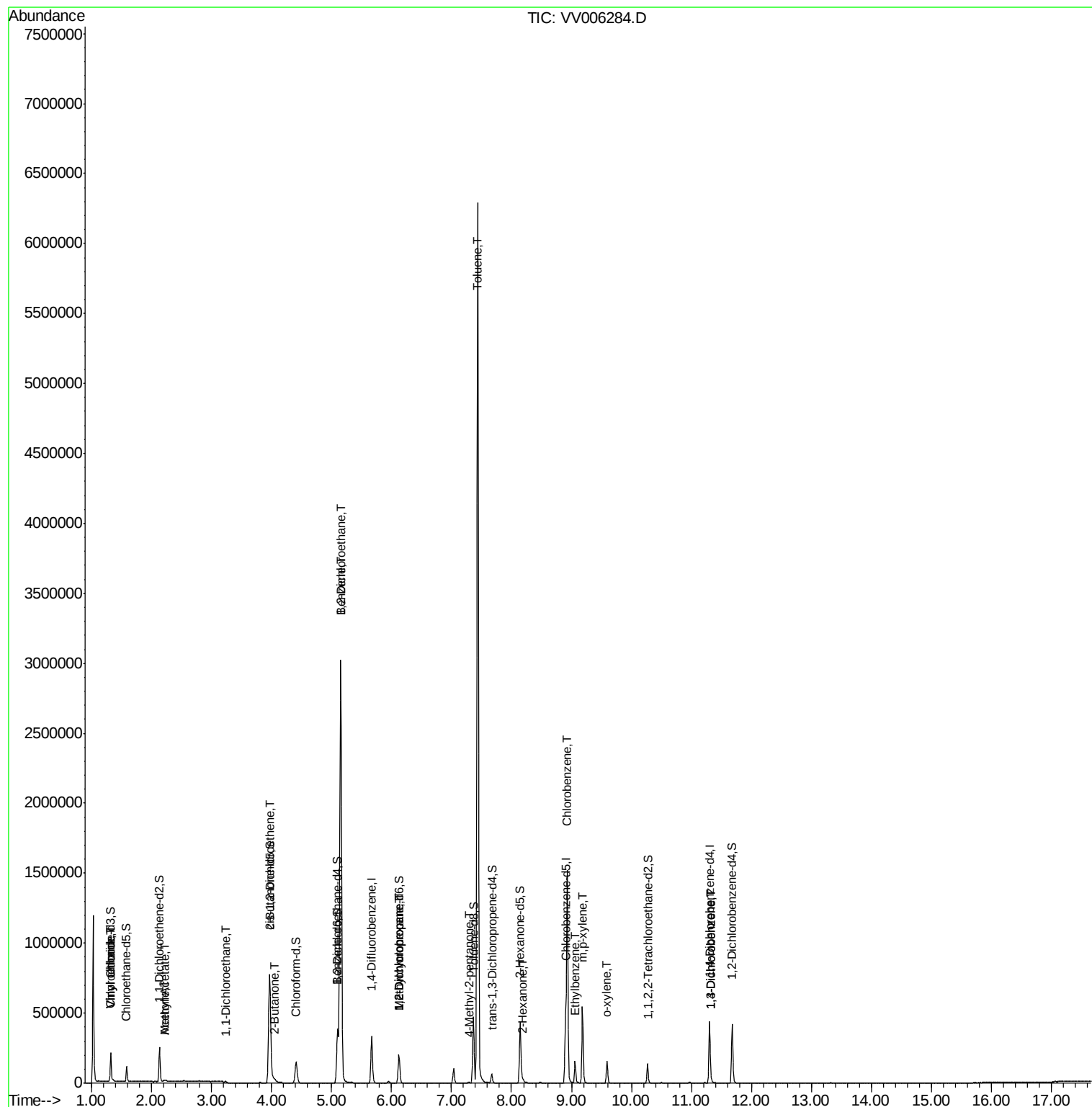
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	43814	1.250	ug/L	97
62) 1,3-Dichlorobenzene	11.32	146	7856	0.202	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	7856	0.204	ug/L	95

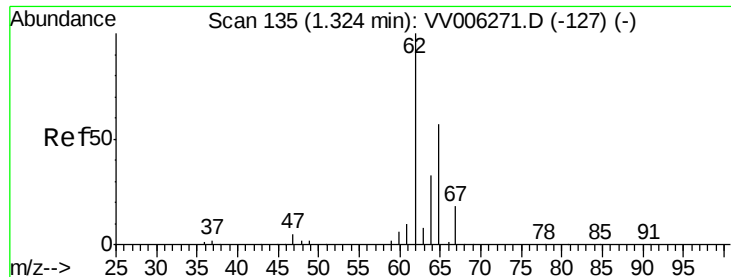
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV061518\
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#5

Vinyl chloride

Concen: 2.741 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Instrument :

MSVOA_V

ClientSampleId :

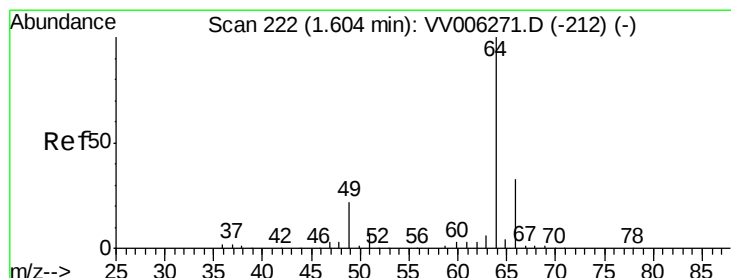
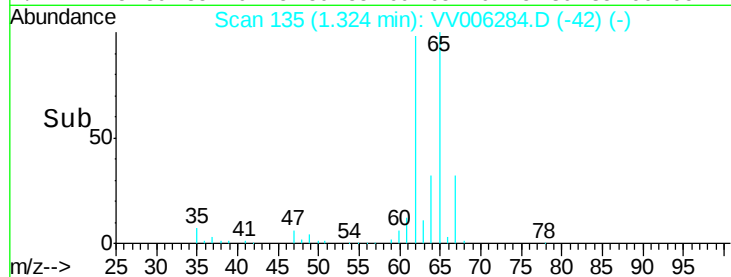
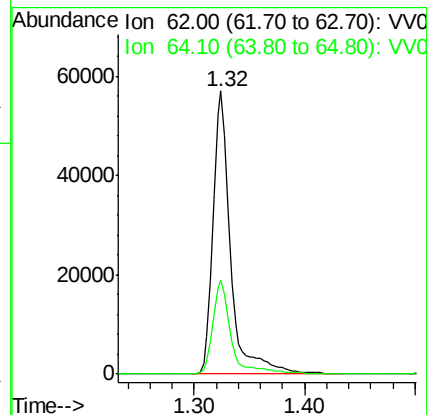
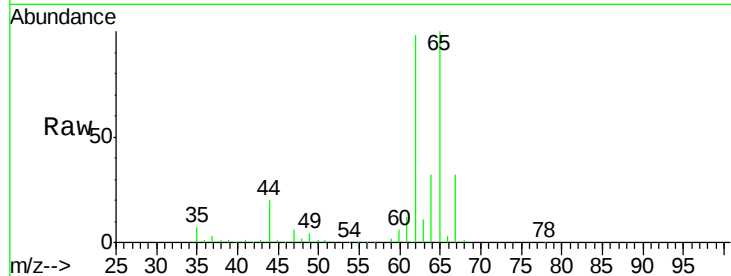
BEXT4

Tgt Ion: 62 Resp: 63441

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#8

Chloroethane

Concen: 1.549 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.28 min

Lab File: VV006284.D

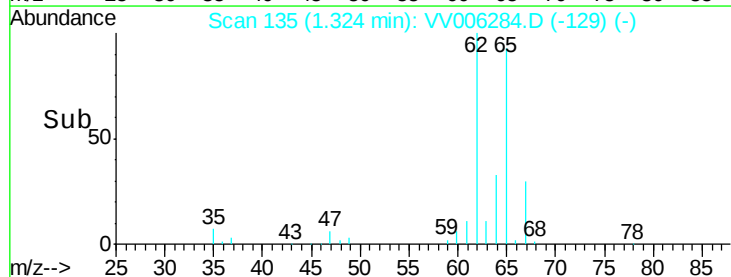
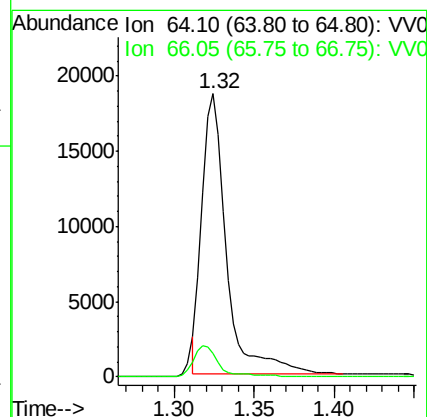
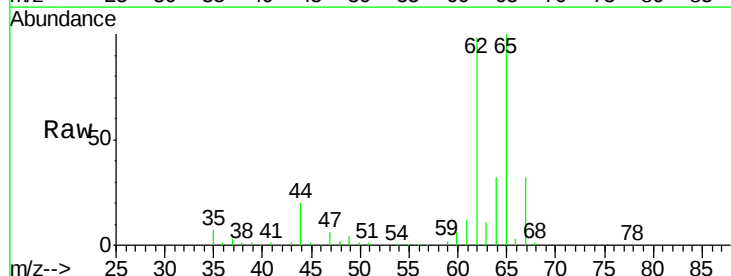
Acq: 15 Jun 2018 16:02

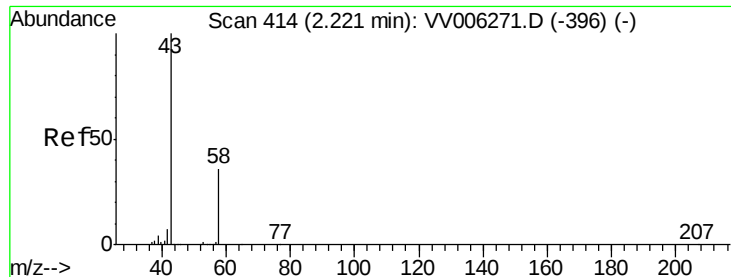
Tgt Ion: 64 Resp: 20035

Ion Ratio Lower Upper

64 100

66 8.2 22.5 41.7#





#13

Acetone

Concen: 10.672 ug/L

RT: 2.22 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Instrument :

MSVOA_V

ClientSampled :

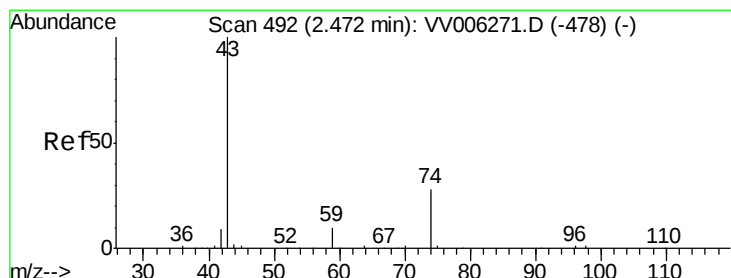
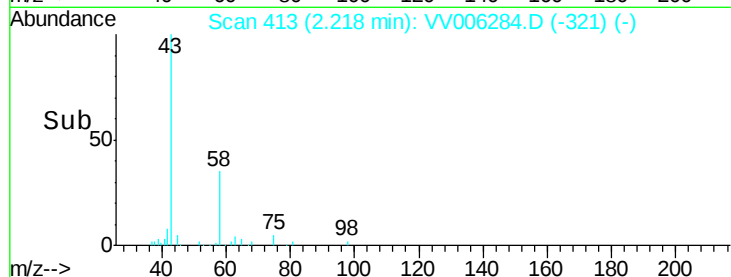
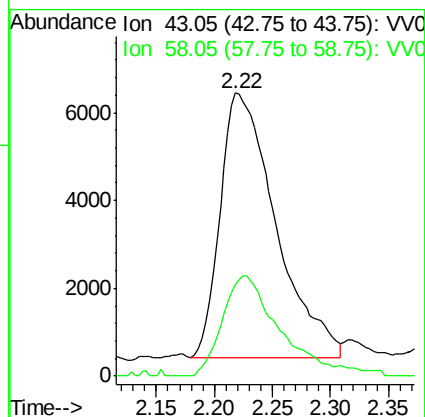
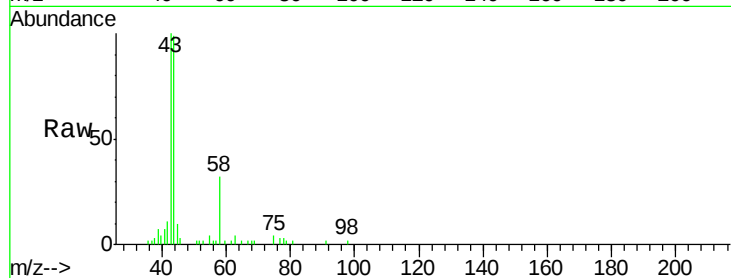
BEXT4

Tgt Ion: 43 Resp: 20124

Ion Ratio Lower Upper

43 100

58 39.4 0.0 67.4



#15

Methyl Acetate

Concen: 3.586 ug/L

RT: 2.22 min Scan# 413

Delta R.T. -0.25 min

Lab File: VV006284.D

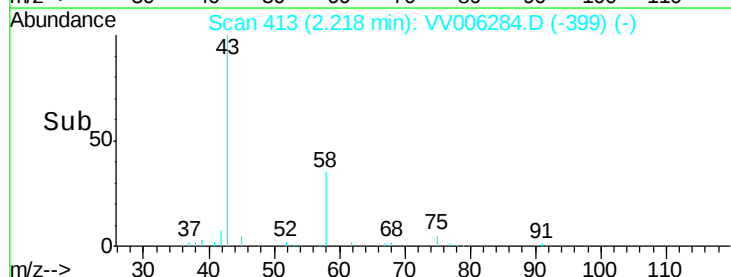
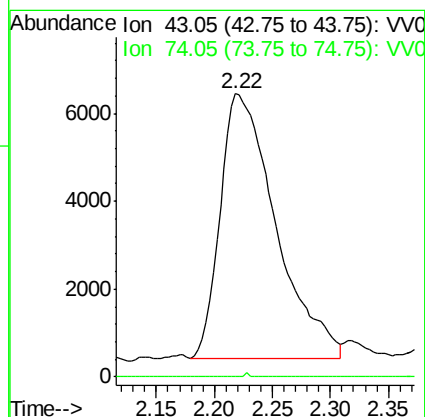
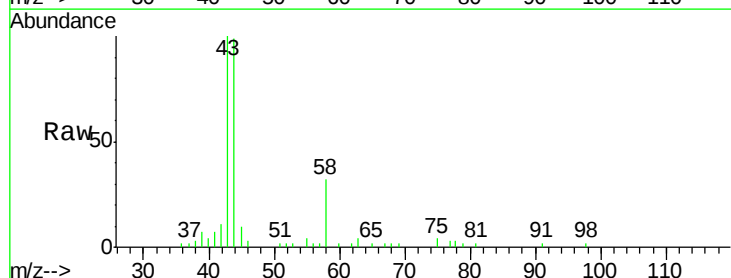
Acq: 15 Jun 2018 16:02

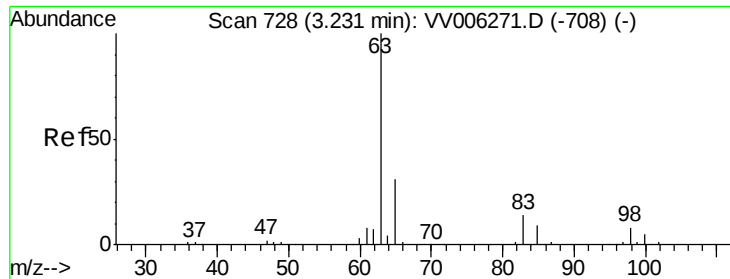
Tgt Ion: 43 Resp: 20124

Ion Ratio Lower Upper

43 100

74 0.1 23.4 35.0#

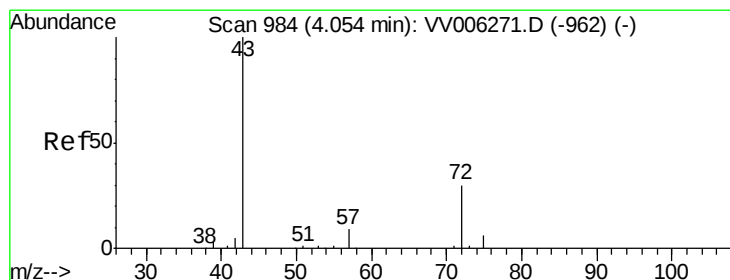
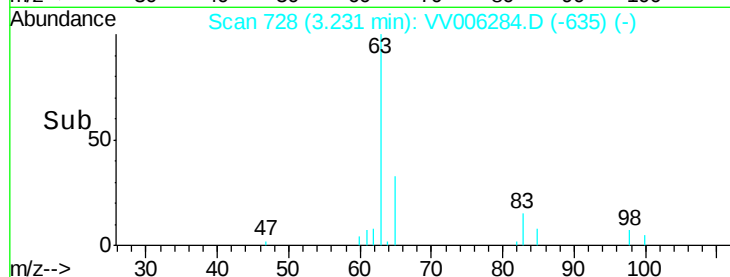
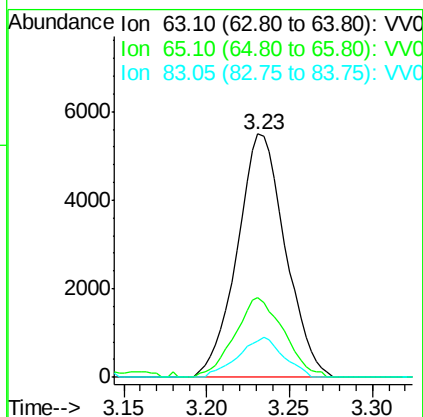
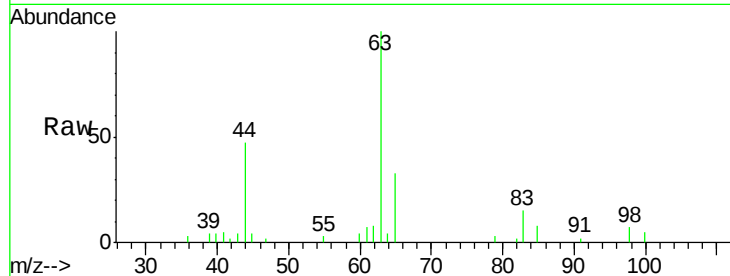




#19
 1,1-Dichloroethane
 Concen: 0.351 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006284.D
 Acq: 15 Jun 2018 16:02

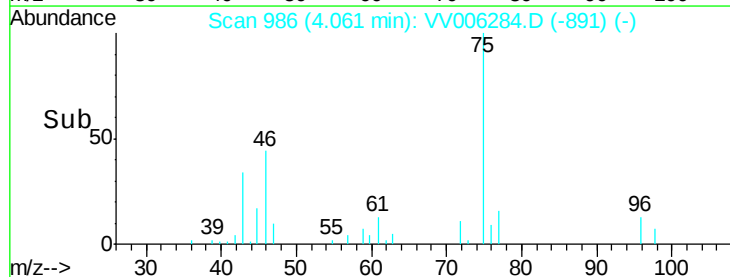
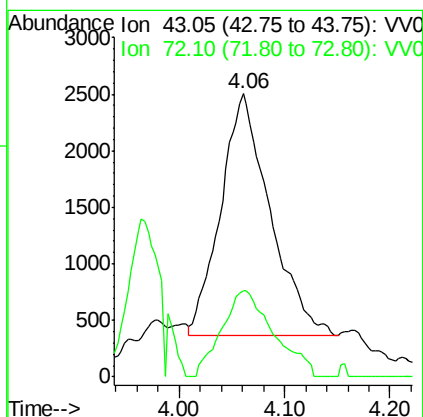
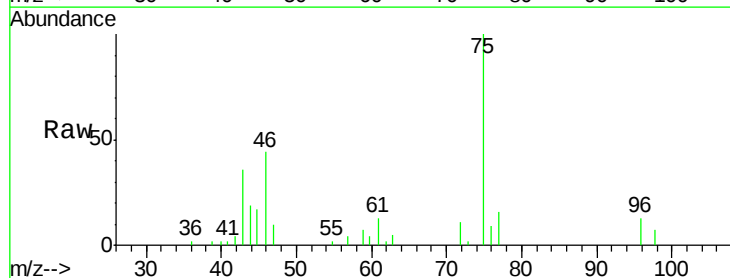
Instrument :
 MSVOA_V
 ClientSampled :
 BEXT4

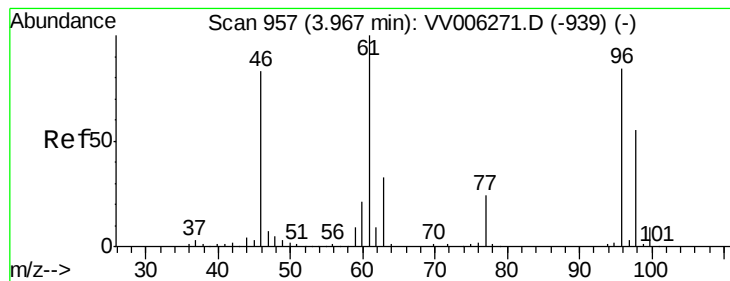
Tgt Ion: 63 Resp: 11095
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.3 41.3
 83 15.1 10.0 18.6



#21
 2-Butanone
 Concen: 2.024 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VV006284.D
 Acq: 15 Jun 2018 16:02

Tgt Ion: 43 Resp: 6942
 Ion Ratio Lower Upper
 43 100
 72 37.7 13.8 41.3





#22

cis-1,2-Dichloroethene

Concen: 20.203 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Instrument :

MSVOA_V

ClientSampleId :

BEXT4

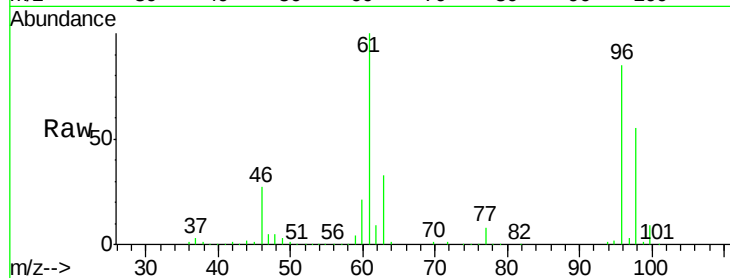
Tgt Ion: 96 Resp: 410709

Ion Ratio Lower Upper

96 100

61 117.8 84.1 156.3

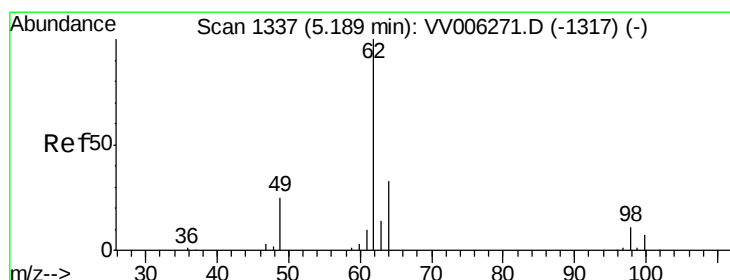
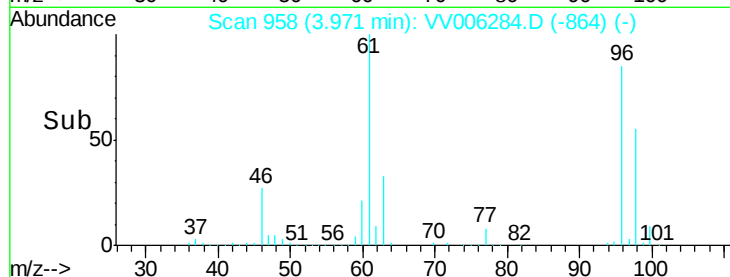
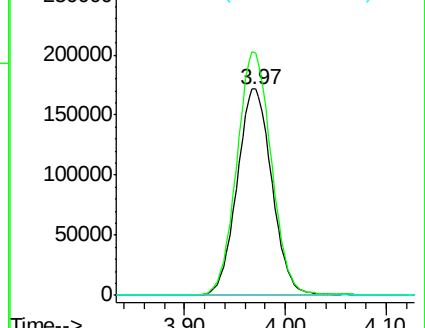
68 0.0 0.3 0.5#



Abundance Ion 96.00 (95.70 to 96.70): VV006284.D (-1244) (-)

Ion 61.05 (60.75 to 61.75): VV006284.D (-1244) (-)

Ion 68.15 (67.85 to 68.85): VV006284.D (-1244) (-)



#27

1,2-Dichloroethane

Concen: 1.286 ug/L

RT: 5.15 min Scan# 1326

Delta R.T. -0.04 min

Lab File: VV006284.D

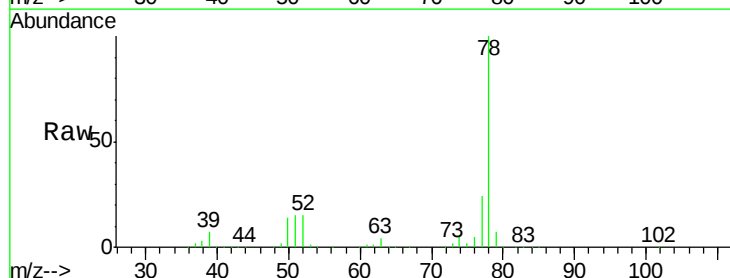
Acq: 15 Jun 2018 16:02

Tgt Ion: 62 Resp: 24096

Ion Ratio Lower Upper

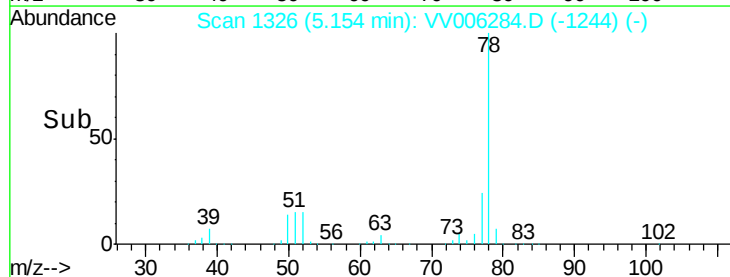
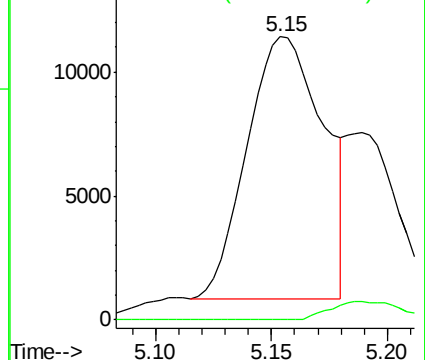
62 100

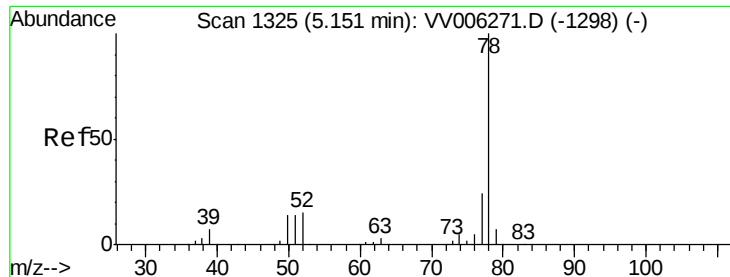
98 0.0 8.6 12.8#



Abundance Ion 62.00 (61.70 to 62.70): VV006284.D (-1244) (-)

Ion 98.05 (97.75 to 98.75): VV006284.D (-1244) (-)





#33

Benzene

Concen: 41.491 ug/L

RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

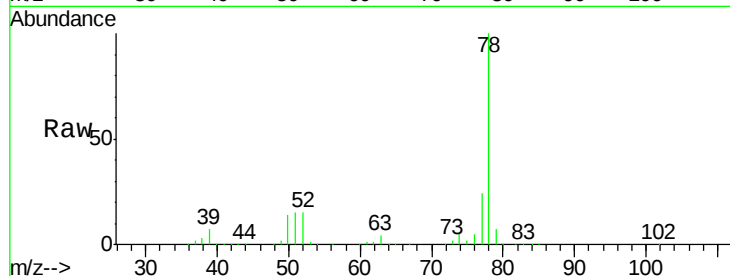
Instrument :

MSVOA_V

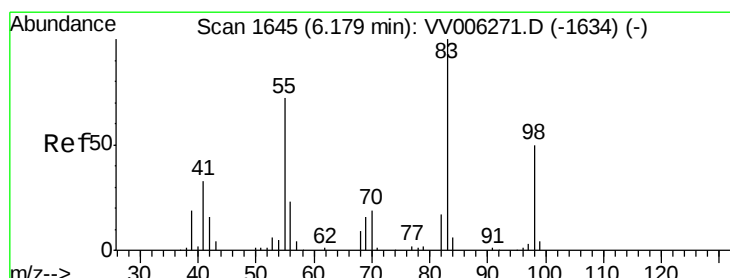
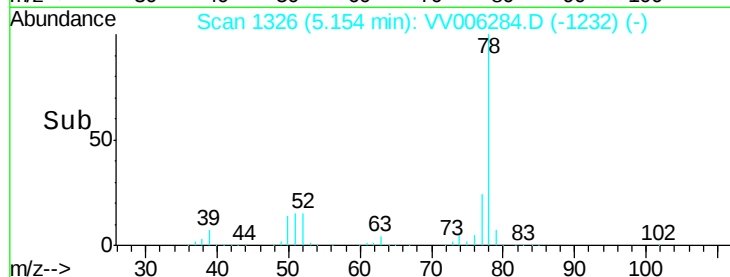
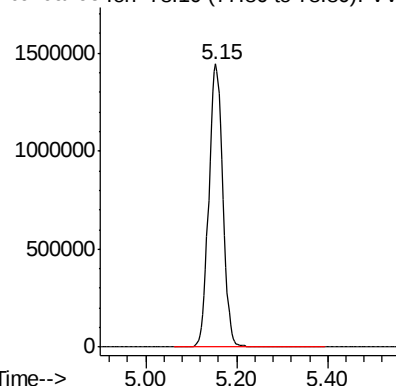
ClientSampleId :

BEXT4

Tgt Ion: 78 Resp: 3100736



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.710 ug/L

RT: 6.13 min Scan# 1629

Delta R.T. -0.05 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

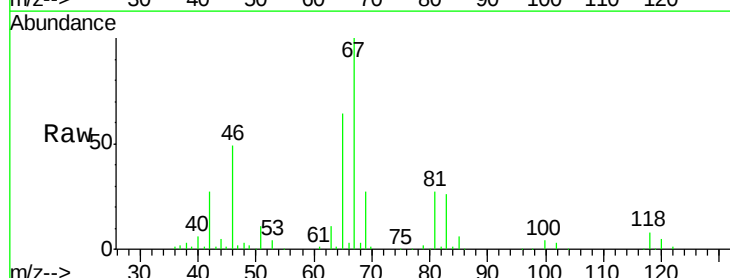
Tgt Ion: 83 Resp: 24878

Ion Ratio Lower Upper

83 100

55 0.2 57.5 86.3#

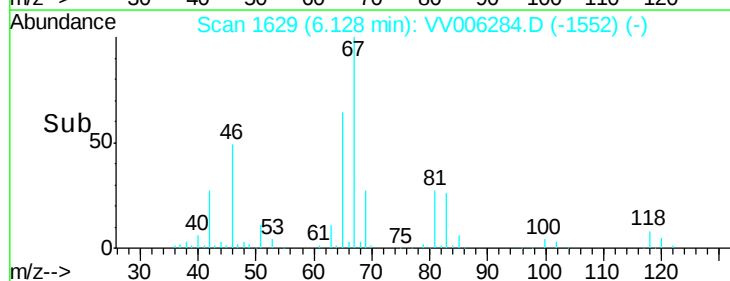
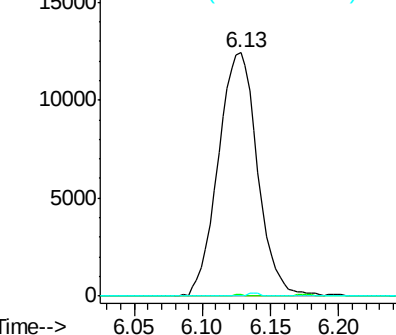
98 0.4 39.8 59.8#

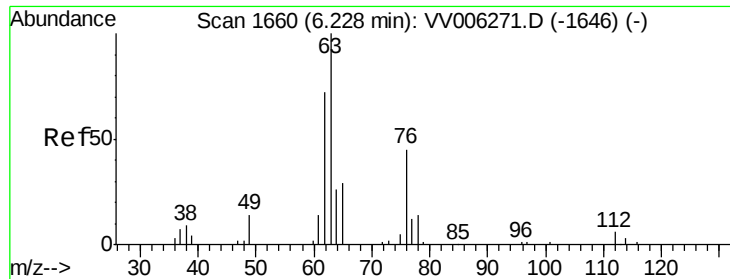


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.604 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Instrument :

MSVOA_V

ClientSampled :

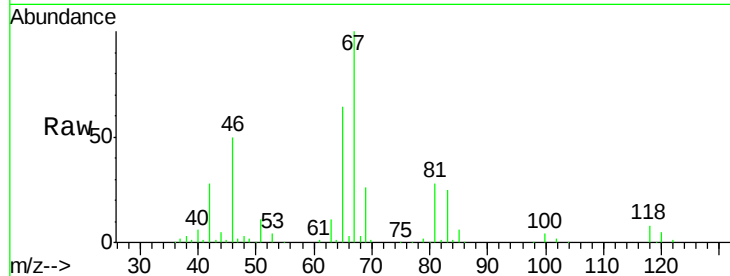
BEXT4

Tgt Ion: 63 Resp: 10805

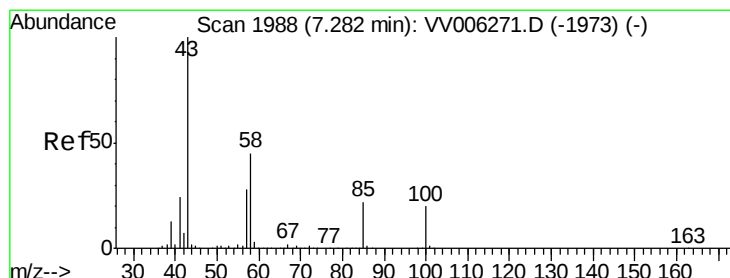
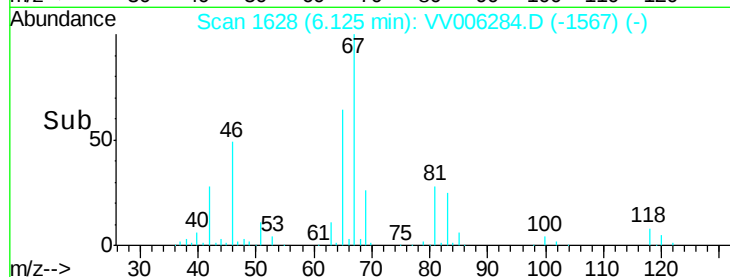
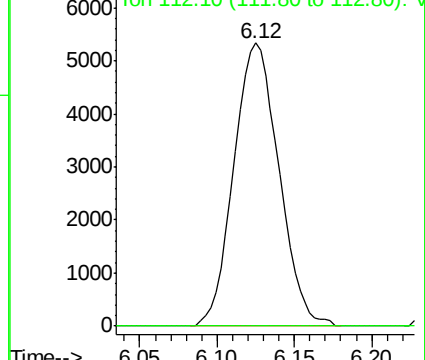
Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV006284.D (-1567) (-)



#40

4-Methyl-2-pentanone

Concen: 0.655 ug/L

RT: 7.29 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

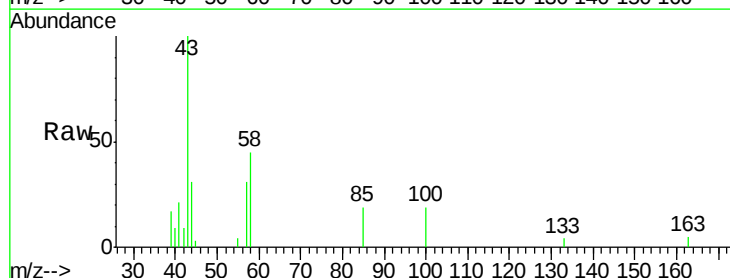
Tgt Ion: 43 Resp: 6066

Ion Ratio Lower Upper

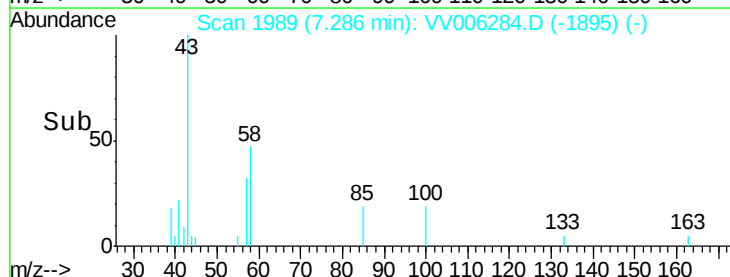
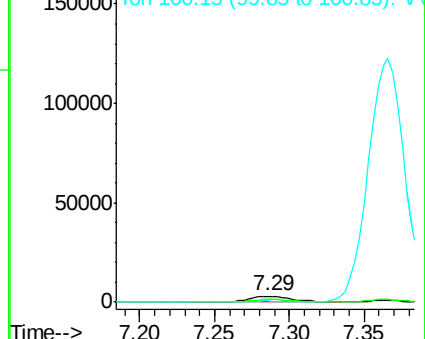
43 100

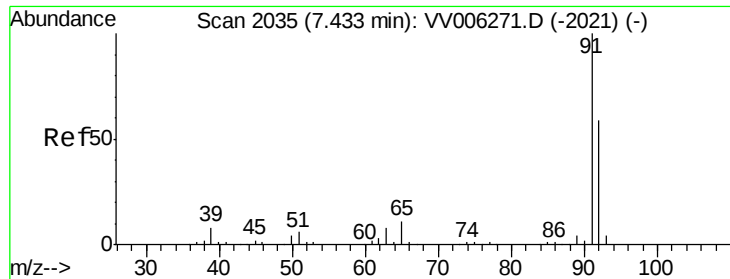
58 41.2 36.0 54.0

100 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV006284.D (-1895) (-)





#42

Toluene

Concen: 55.608 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Instrument :

MSVOA_V

ClientSampled :

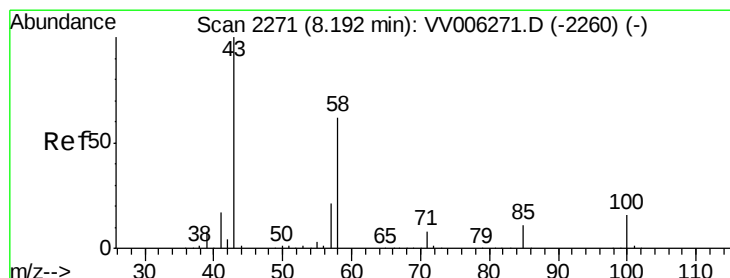
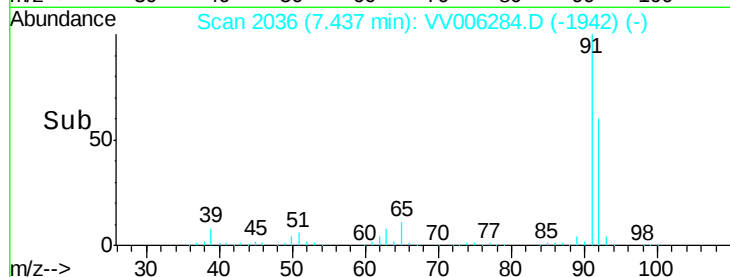
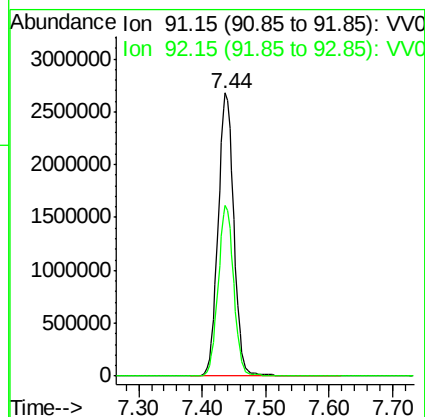
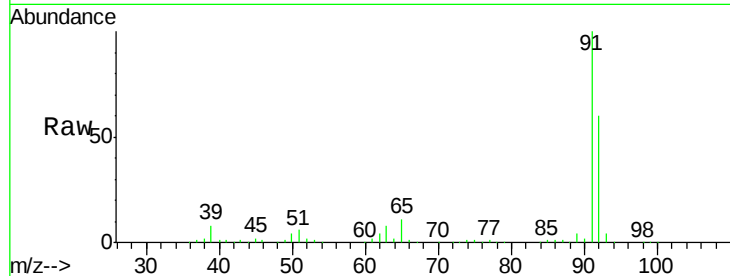
BEXT4

Tgt Ion: 91 Resp: 4587173

Ion Ratio Lower Upper

91 100

92 60.3 41.1 76.3



#48

2-Hexanone

Concen: 1.738 ug/L

RT: 8.19 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Tgt Ion: 43 Resp: 11310

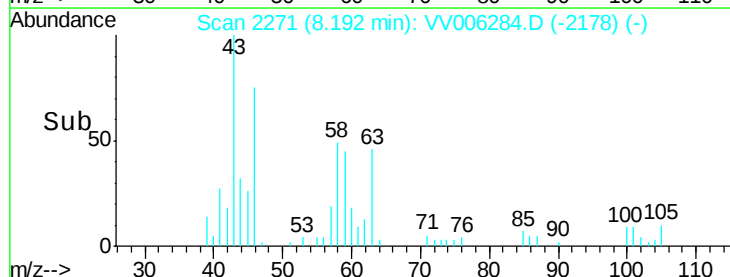
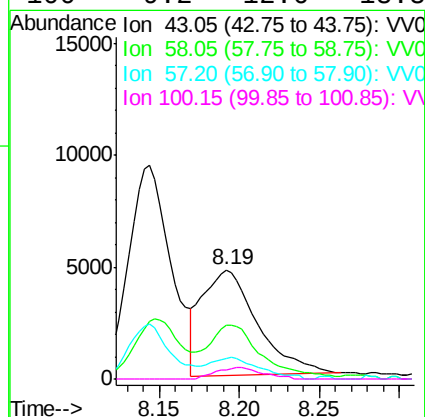
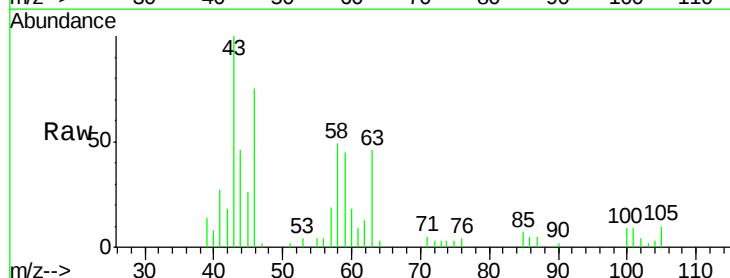
Ion Ratio Lower Upper

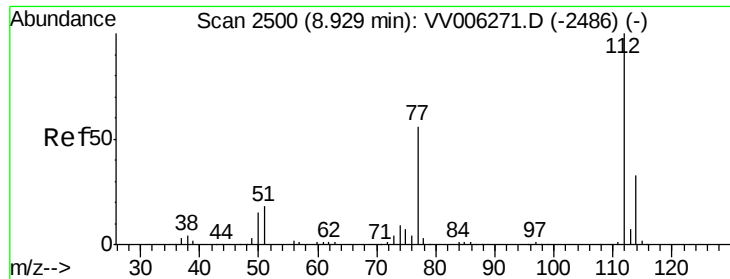
43 100

58 49.1 48.6 72.8

57 18.0 17.5 26.3

100 9.2 12.6 18.8#

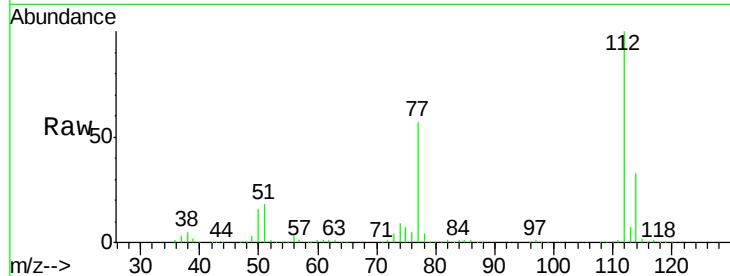




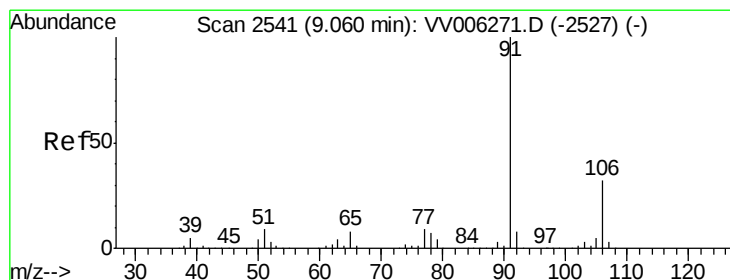
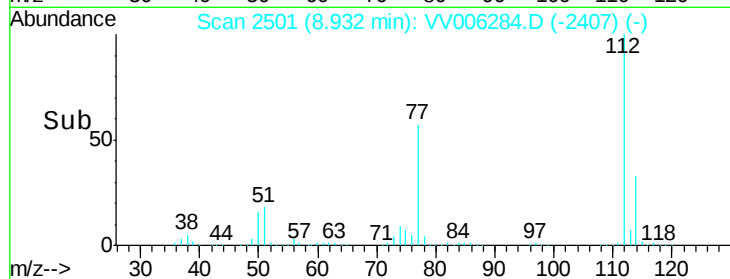
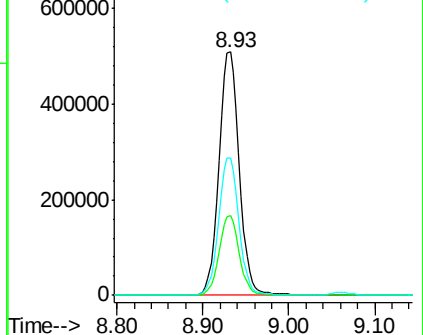
#51
Chlorobenzene
Concen: 15.787 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006284.D
Acq: 15 Jun 2018 16:02

Instrument :
MSVOA_V
ClientSampleId :
BEXT4

Tgt Ion: 112 Resp: 836087
Ion Ratio Lower Upper
112 100
114 32.7 22.2 41.2
77 56.5 45.2 67.8

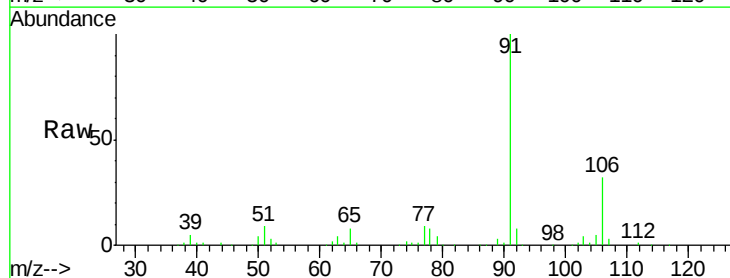


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

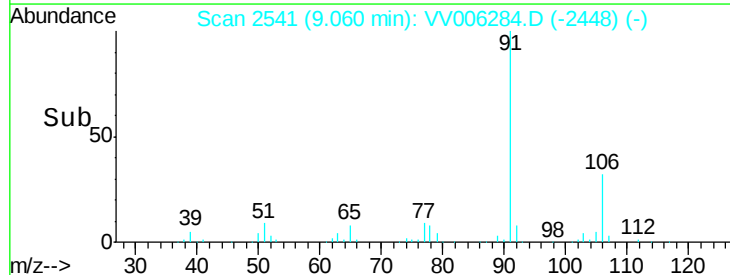
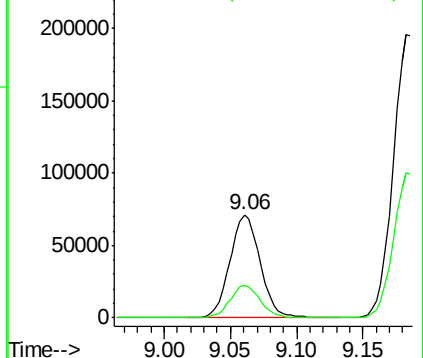


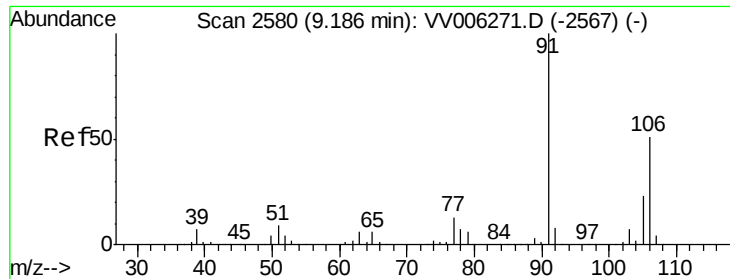
#52
Ethylbenzene
Concen: 1.240 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV006284.D
Acq: 15 Jun 2018 16:02

Tgt Ion: 91 Resp: 113949
Ion Ratio Lower Upper
91 100
106 31.7 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 4.495 ug/L

RT: 9.18 min Scan# 2579

Delta R.T. -0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Instrument :

MSVOA_V

ClientSampleId :

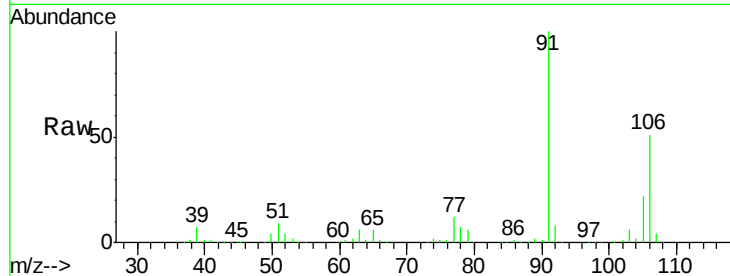
BEXT4

Tgt Ion:106 Resp: 161146

Ion Ratio Lower Upper

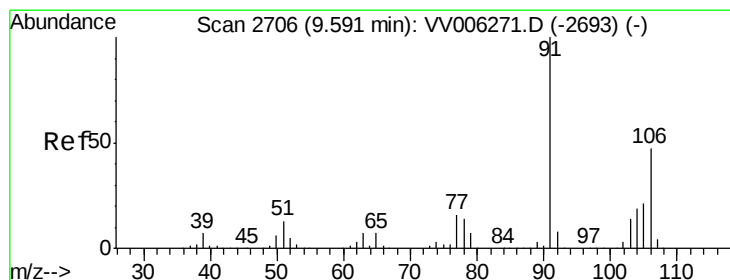
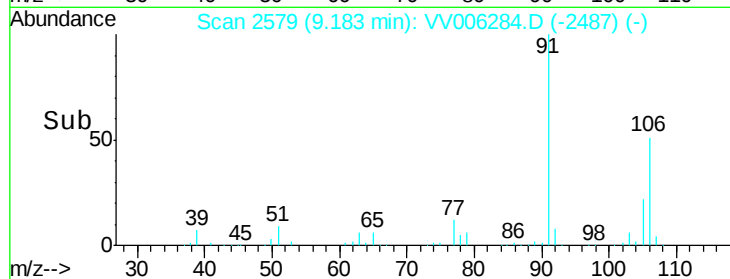
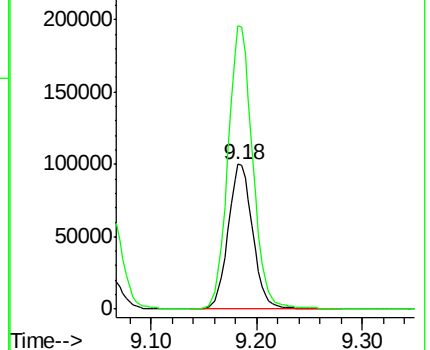
106 100

91 195.7 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 1.250 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006284.D

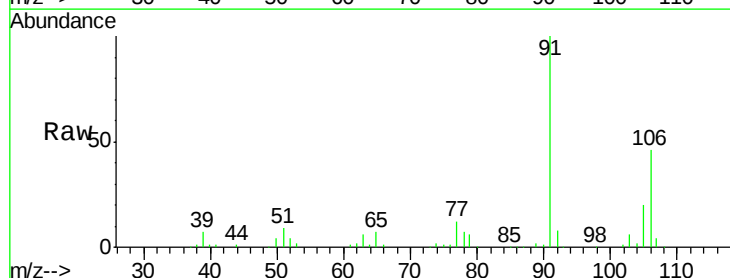
Acq: 15 Jun 2018 16:02

Tgt Ion:106 Resp: 43814

Ion Ratio Lower Upper

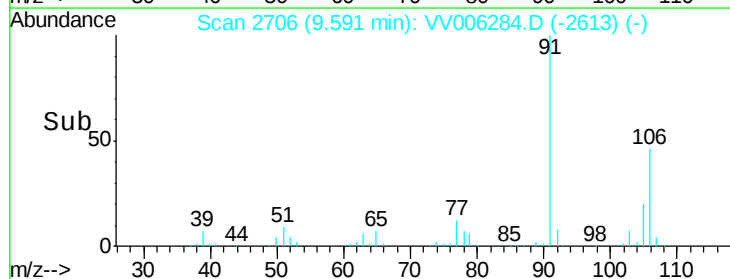
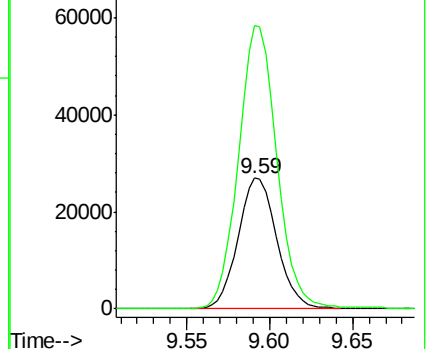
106 100

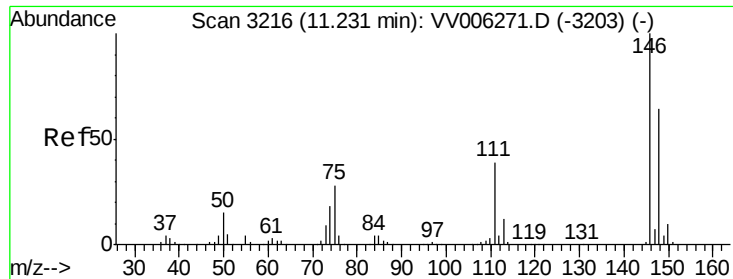
91 216.6 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#62

1,3-Dichlorobenzene

Concen: 0.202 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.09 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

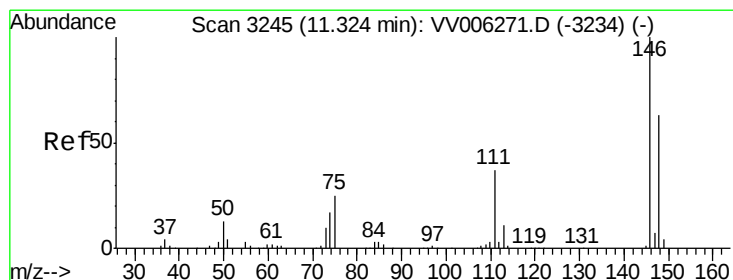
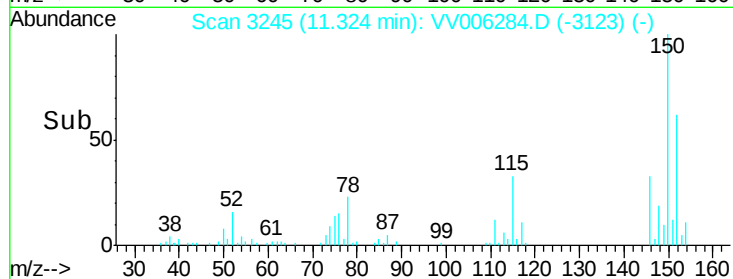
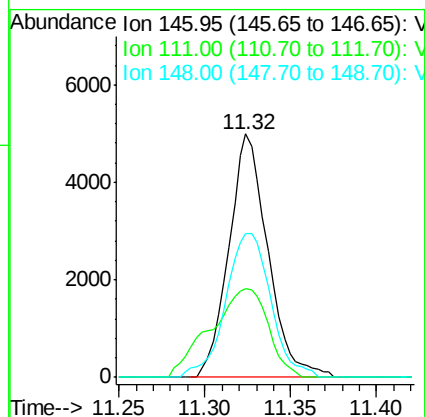
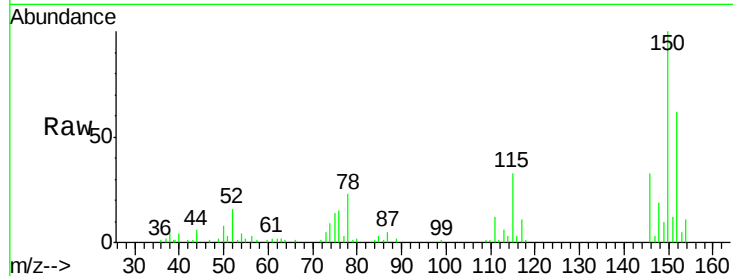
Instrument :

MSVOA_V

ClientSampleId :

BEXT4

Tgt Ion:	146	Resp:	7856
Ion	Ratio	Lower	Upper
146	100		
111	36.4	27.6	51.2
148	58.9	45.1	83.7



#63

1,4-Dichlorobenzene

Concen: 0.204 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006284.D

Acq: 15 Jun 2018 16:02

Tgt Ion:	146	Resp:	7856
Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.9	50.1
148	58.9	44.8	83.2

