

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
 Data File : VV006586.D
 Acq On : 12 Jul 2018 15:23
 Operator : SY/MD
 Sample : J3919-12
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE7

Quant Time: Jul 13 01:47:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 01:47:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	338346	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	307717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	152158	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68261	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.58	69	59489	3.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.00%
11) 1,1-Dichloroethene-d2	2.13	63	95800	2.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.00%#
20) 2-Butanone-d5	3.96	46	216082	46.25	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.50%
24) Chloroform-d	4.41	84	161479	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.09	65	73186	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.11	84	318458	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.12	67	105383	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	286517	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.67	79	33225	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.14	63	191188	49.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81334	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	124588	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	26150	0.868 ug/L	94
8) Chloroethane	1.60	64	8497	0.465 ug/L #	74
13) Acetone	2.16	43	133499	45.176 ug/L	47
15) Methyl Acetate	2.53	43	1282858	147.472 ug/L #	48
16) Methylene chloride	2.53	84	11163	0.467 ug/L #	1
19) 1,1-Dichloroethane	3.23	63	31591	0.788 ug/L	99
21) 2-Butanone	3.93	43	105533	21.766 ug/L #	45
22) cis-1,2-Dichloroethene	3.97	96	24741	0.996 ug/L	95
30) Cyclohexane	4.73	56	442741	12.905 ug/L	99
33) Benzene	5.15	78	24351	0.265 ug/L	100
34) Trichloroethene	5.96	95	5970	0.253 ug/L	93
35) Methylcyclohexane	6.18	83	435318	11.476 ug/L	94
40) 4-Methyl-2-pentanone	7.31	43	32076	2.817 ug/L #	67
45) 1,1,2-Trichloroethane	7.84	97	43573	2.772 ug/L #	20
48) 2-Hexanone	8.21	43	2762	0.342 ug/L #	1
56) Isopropylbenzene	9.98	105	197938	2.016 ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	2897	1.169 ug/L #	1

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QLast Update : Fri Jul 13 01:47:22 2018
Response via : Initial Calibration

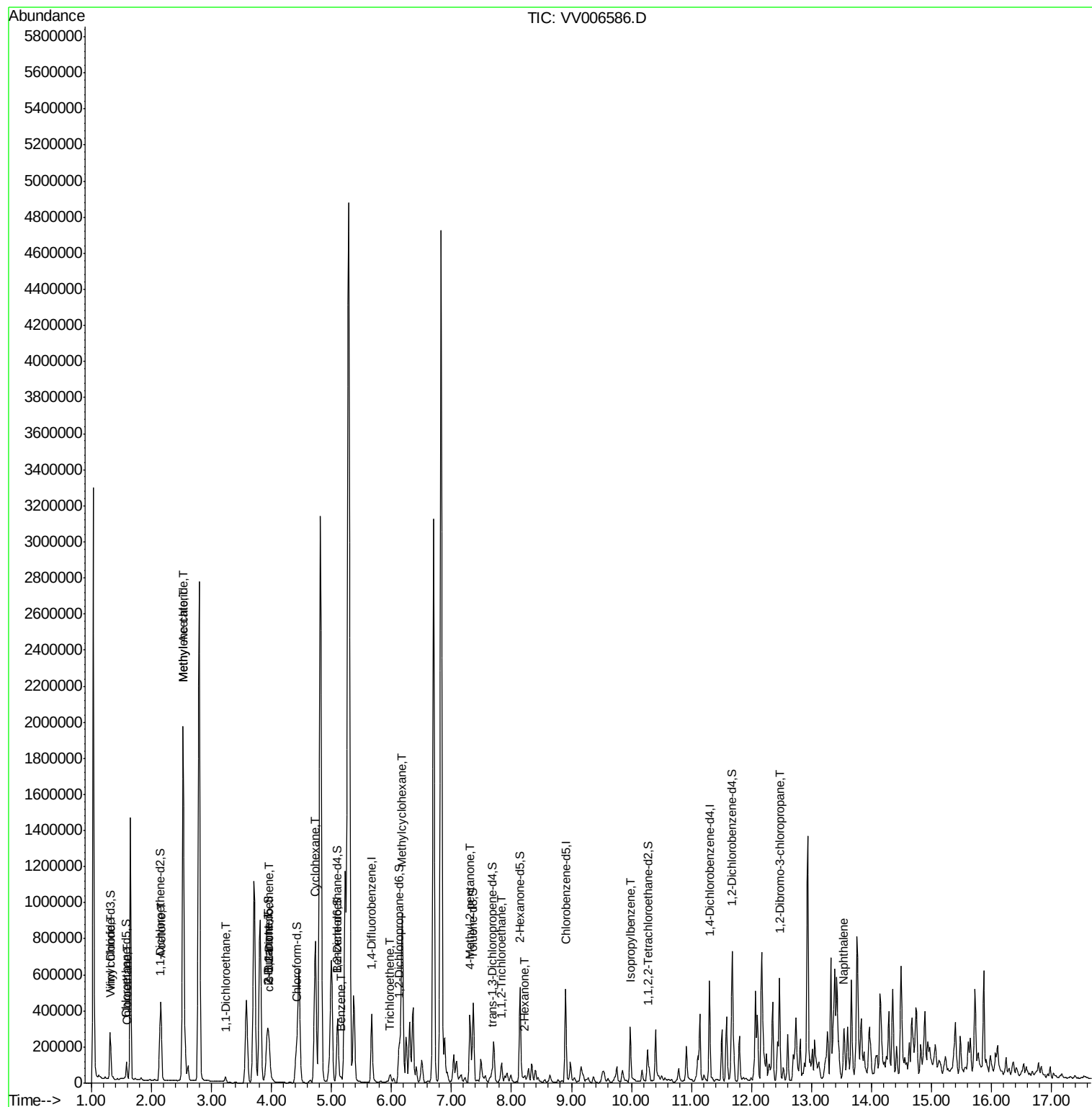
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.54	128	20240	0.394	ug/L #	1
-----	-----	-----	-----	-----	-----	-----

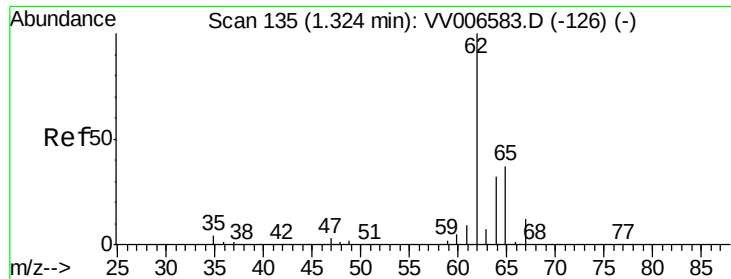
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.868 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006586.D

Acq: 12 Jul 2018 15:23

Instrument :

MSVOA_V

ClientSampled :

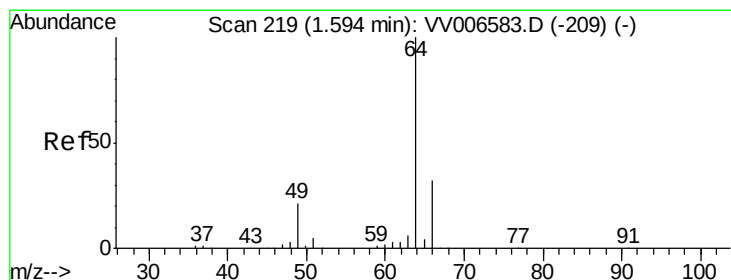
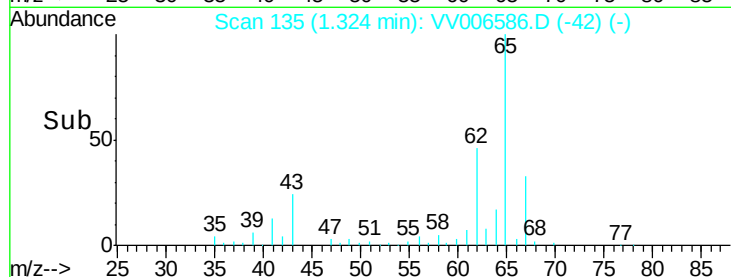
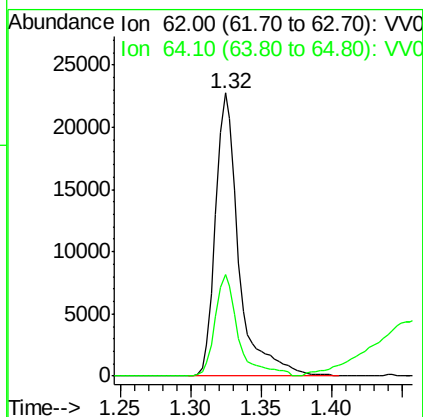
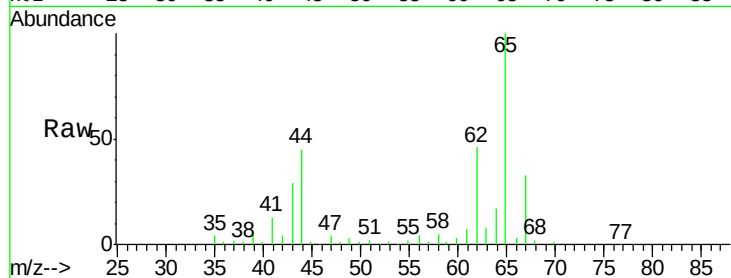
C0AE7

Tgt Ion: 62 Resp: 26150

Ion Ratio Lower Upper

62 100

64 36.0 23.0 42.6



#8

Chloroethane

Concen: 0.465 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.01 min

Lab File: VV006586.D

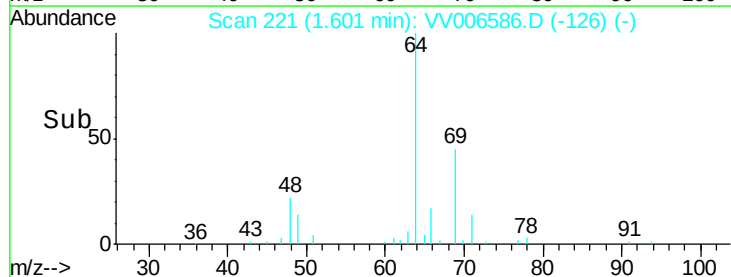
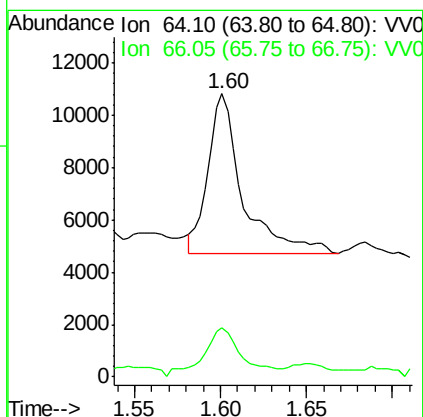
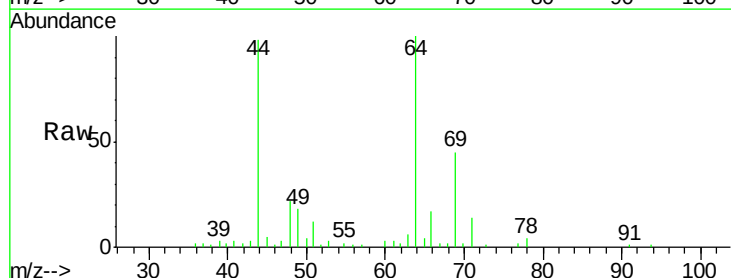
Acq: 12 Jul 2018 15:23

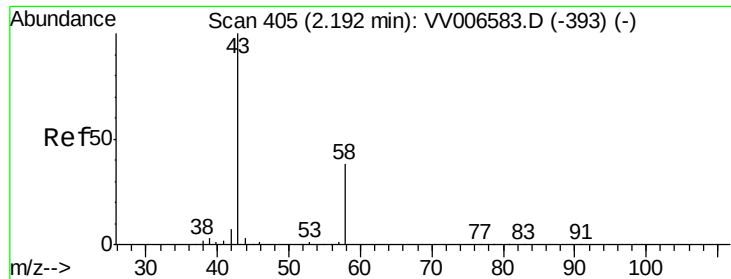
Tgt Ion: 64 Resp: 8497

Ion Ratio Lower Upper

64 100

66 17.3 22.5 41.7#





#13

Acetone

Concen: 45.176 ug/L

RT: 2.16 min Scan# 394

Delta R.T. -0.04 min

Lab File: VV006586.D

Acq: 12 Jul 2018 15:23

Instrument :

MSVOA_V

ClientSampleId :

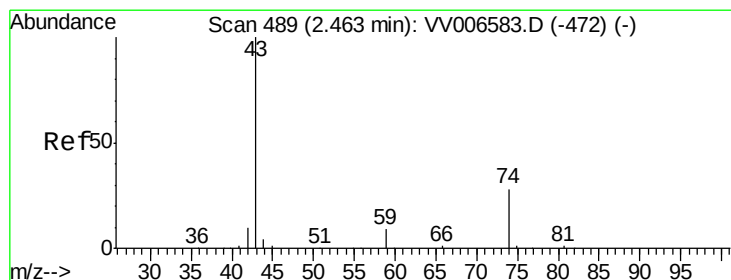
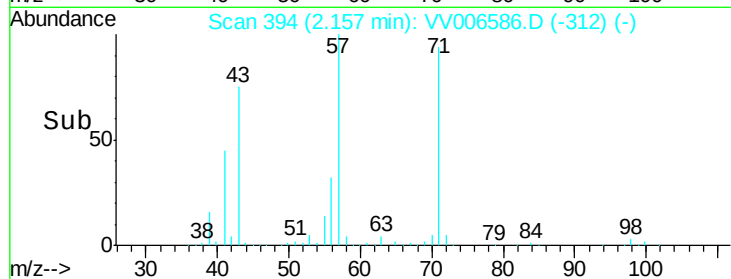
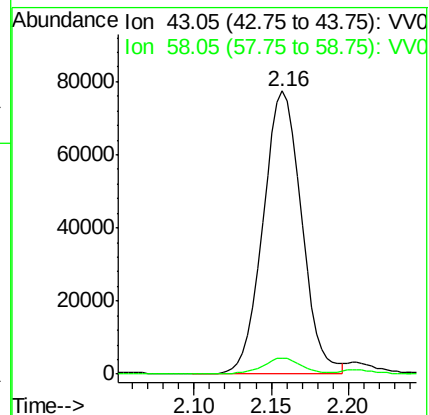
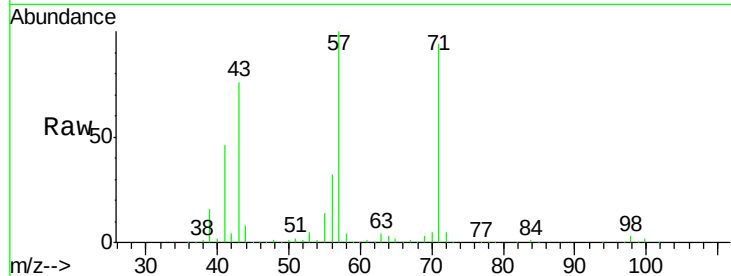
C0AE7

Tgt Ion: 43 Resp: 133499

Ion Ratio Lower Upper

43 100

58 6.0 0.0 76.2



#15

Methyl Acetate

Concen: 147.472 ug/L

RT: 2.53 min Scan# 509

Delta R.T. 0.06 min

Lab File: VV006586.D

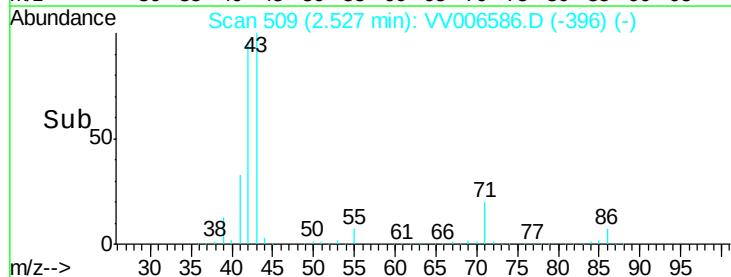
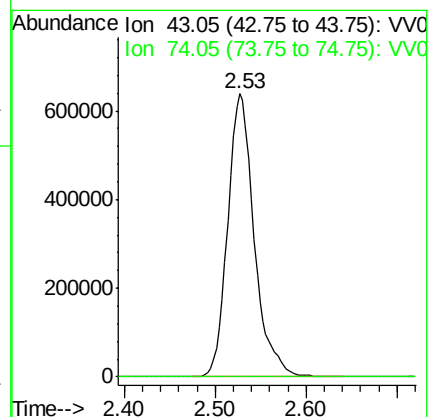
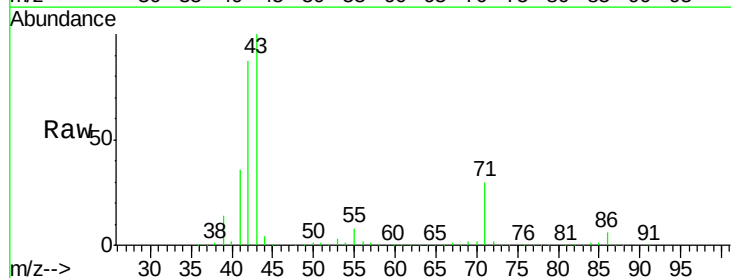
Acq: 12 Jul 2018 15:23

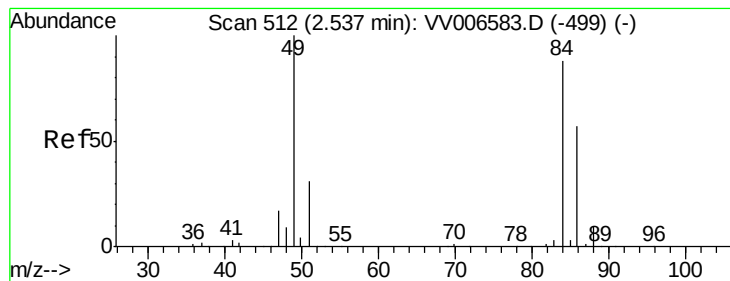
Tgt Ion: 43 Resp: 1282858

Ion Ratio Lower Upper

43 100

74 0.0 21.8 32.6#





#16

Methylene chloride

Concen: 0.467 ug/L

RT: 2.53 min Scan# 510

Delta R.T. -0.01 min

Lab File: VV006586.D

Acq: 12 Jul 2018 15:23

Instrument :

MSVOA_V

ClientSampleId :

C0AE7

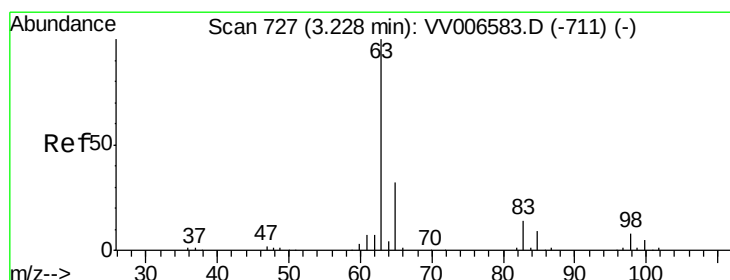
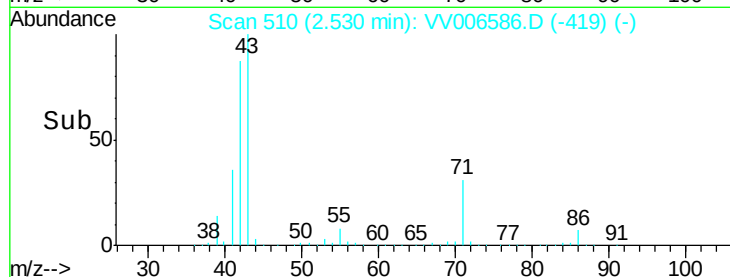
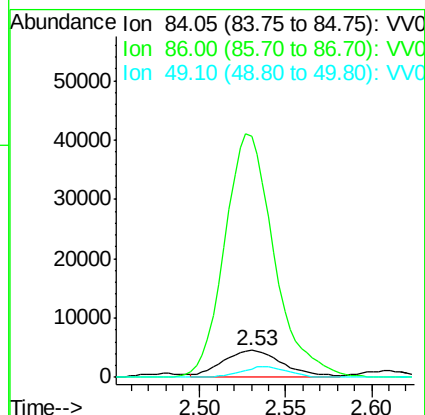
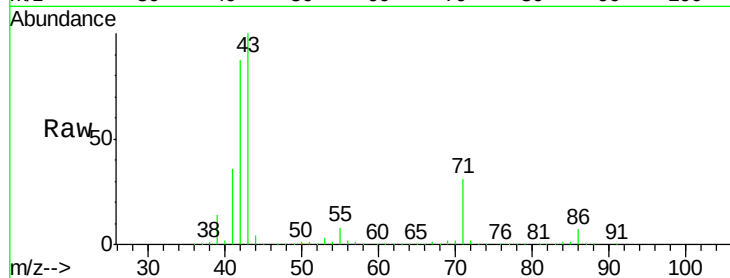
Tgt Ion: 84 Resp: 11163

Ion Ratio Lower Upper

84 100

86 898.5 44.7 82.9#

49 32.6 78.7 146.1#



#19

1,1-Dichloroethane

Concen: 0.788 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006586.D

Acq: 12 Jul 2018 15:23

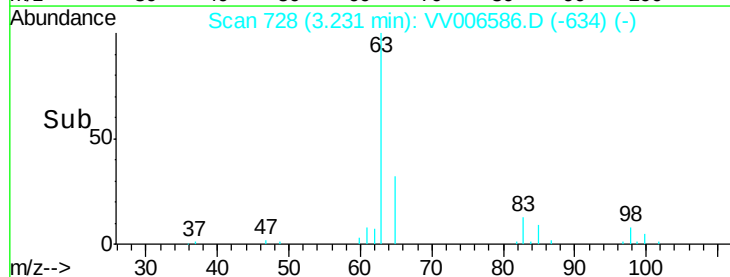
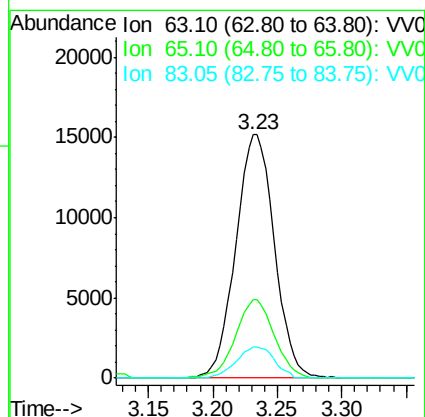
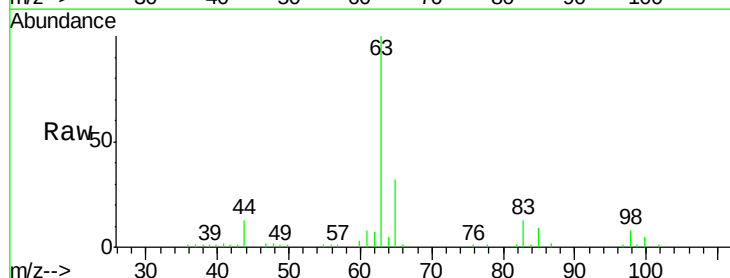
Tgt Ion: 63 Resp: 31591

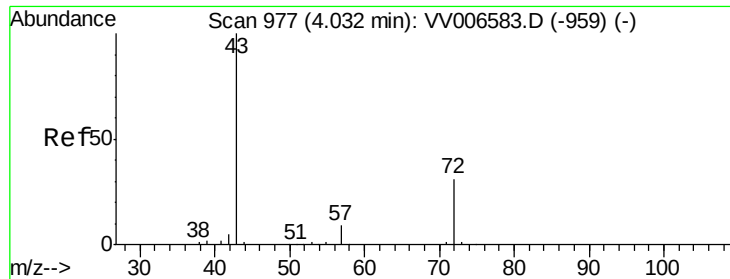
Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

83 12.6 9.5 17.7





#21

2-Butanone

Concen: 21.766 ug/L

RT: 3.93 min Scan# 945

Delta R.T. -0.10 min

Lab File: VV006586.D

Acq: 12 Jul 2018 15:23

Instrument :

MSVOA_V

ClientSampleId :

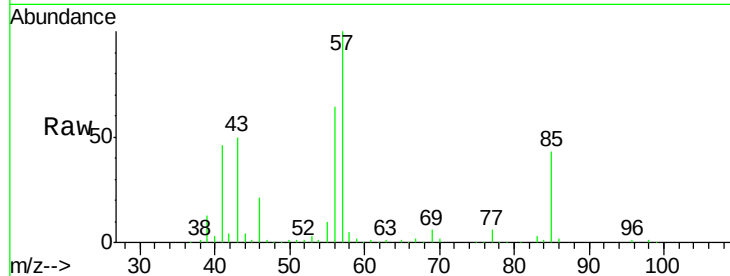
C0AE7

Tgt Ion: 43 Resp: 105533

Ion Ratio Lower Upper

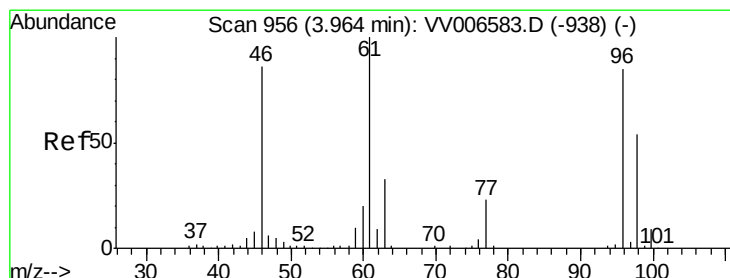
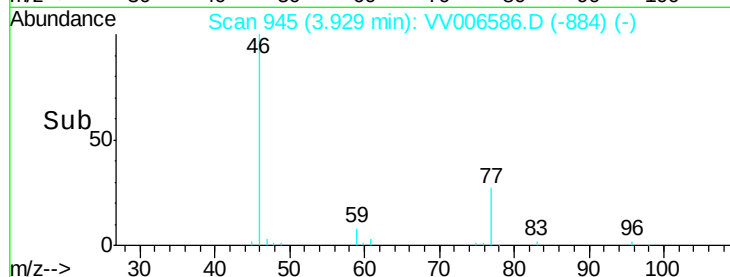
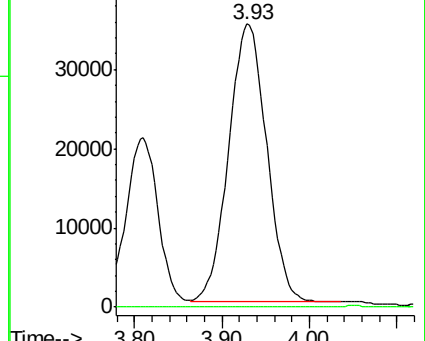
43 100

72 0.2 15.1 45.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.996 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006586.D

Acq: 12 Jul 2018 15:23

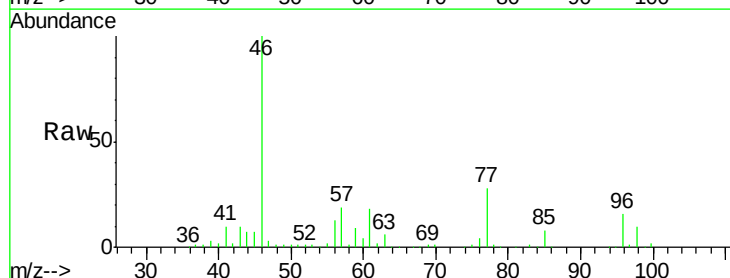
Tgt Ion: 96 Resp: 24741

Ion Ratio Lower Upper

96 100

61 114.5 83.8 155.6

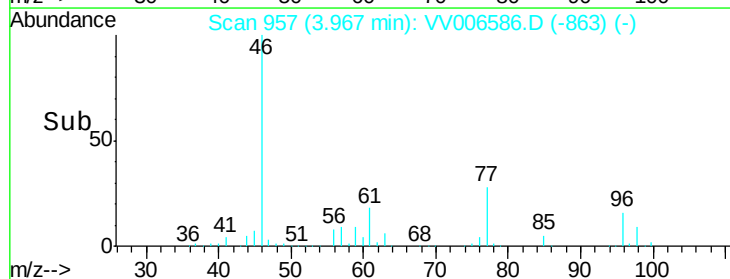
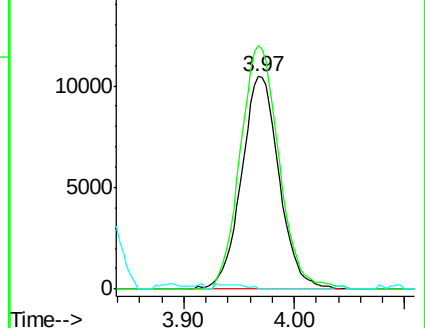
68 0.0 0.0 0.0

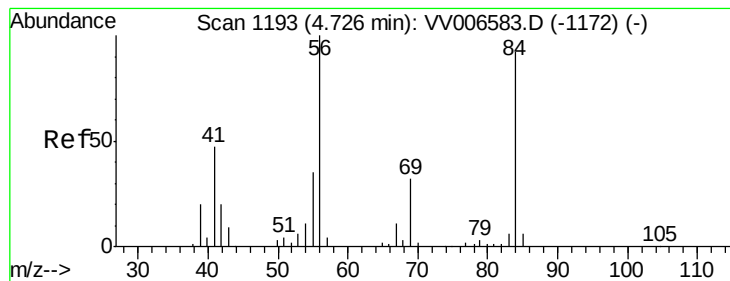


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#30

Cyclohexane

Concen: 12.905 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV006586.D

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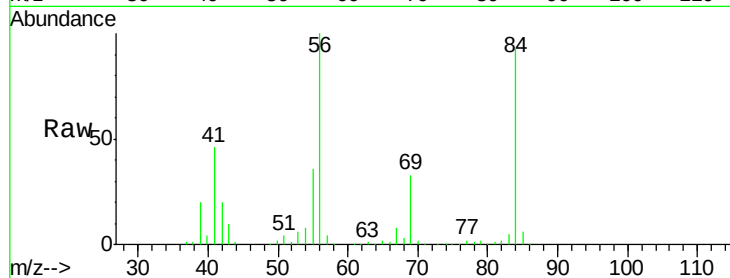
Tgt Ion: 56 Resp: 442741

Ion Ratio Lower Upper

56 100

69 31.5 25.5 38.3

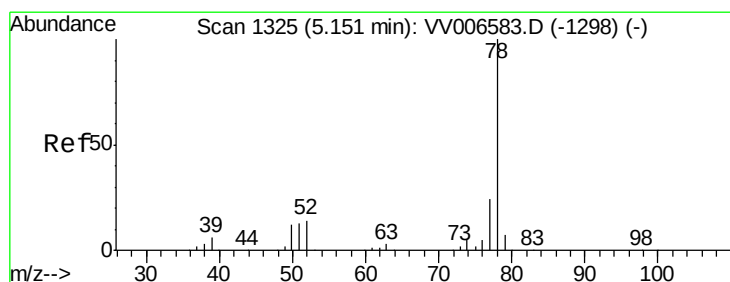
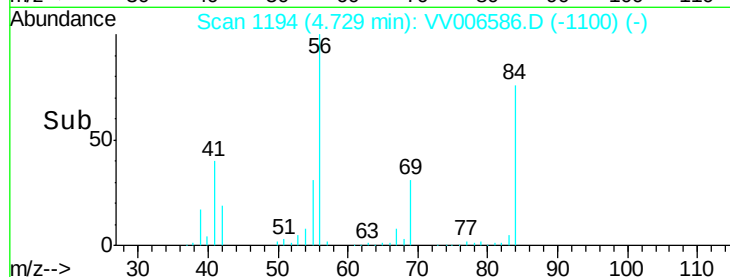
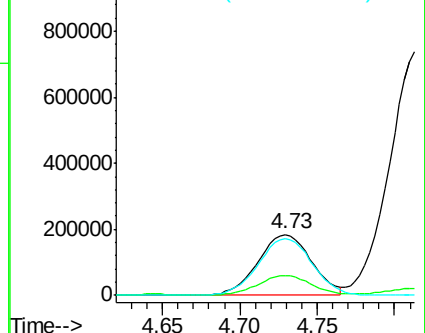
84 95.0 74.7 112.1



Abundance Ion 56.10 (55.80 to 56.80): VV006583.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VV006583.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VV006583.D (-1172) (-)



#33

Benzene

Concen: 0.265 ug/L

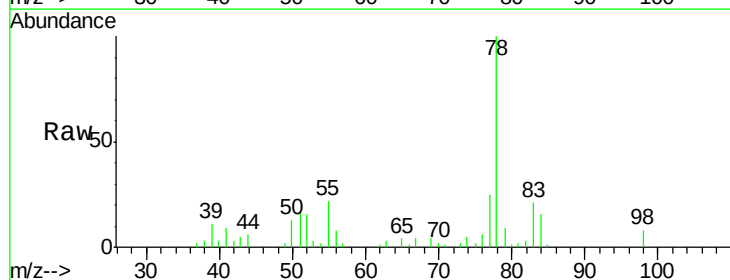
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

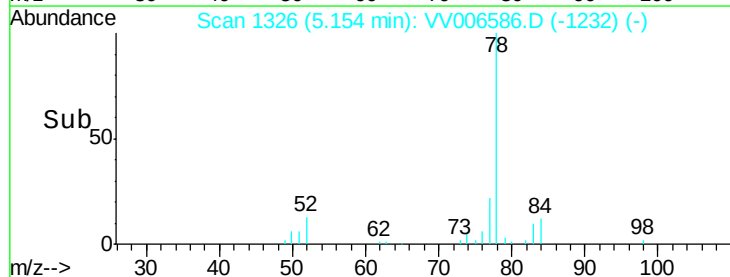
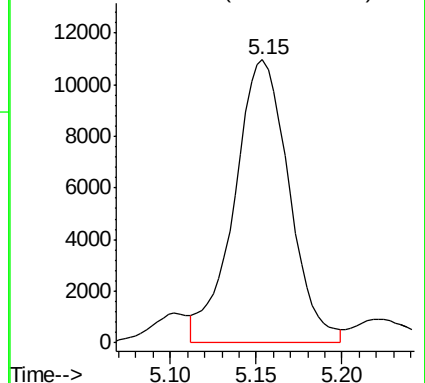
Lab File: VV006586.D

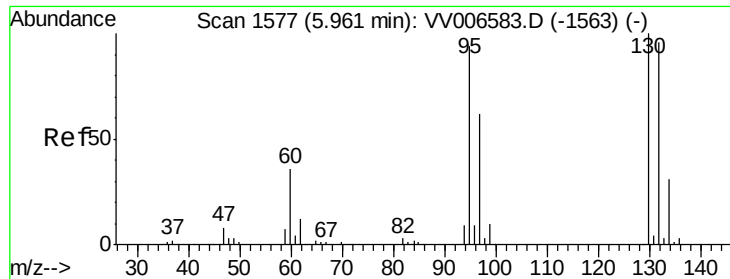
Acq: 12 Jul 2018 15:23

Tgt Ion: 78 Resp: 24351



Abundance Ion 78.10 (77.80 to 78.80): VV006583.D (-1298) (-)

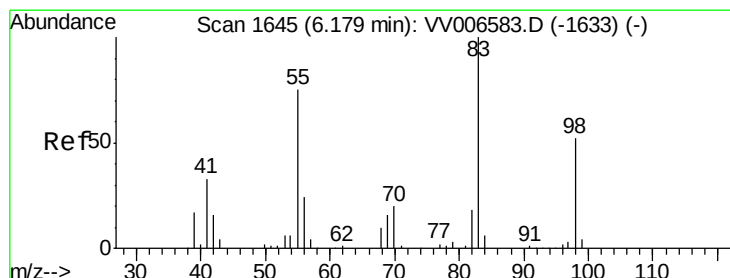
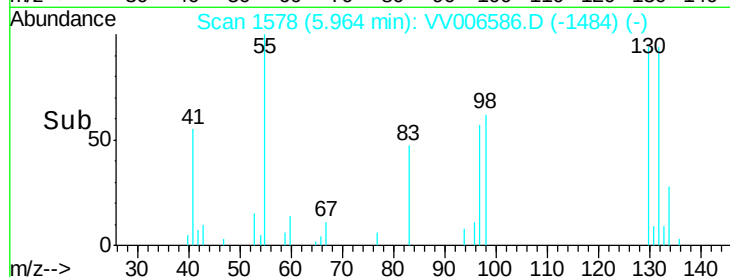
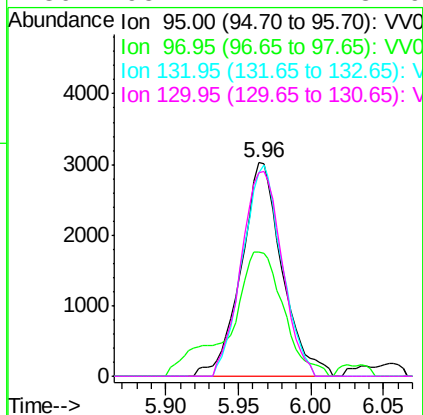
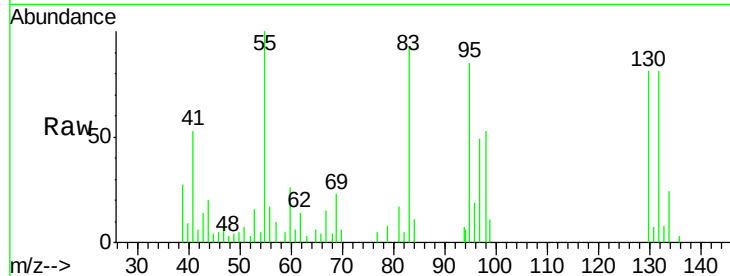




#34
 Trichloroethene
 Concen: 0.253 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006586.D
 Acq: 12 Jul 2018 15:23

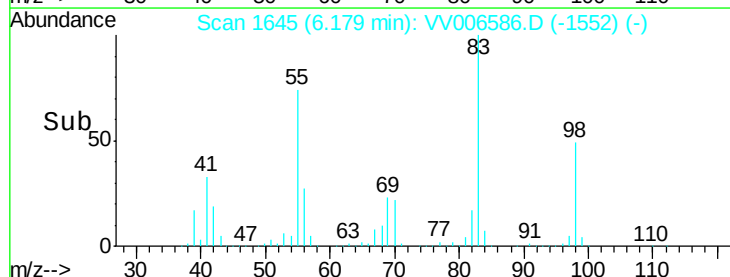
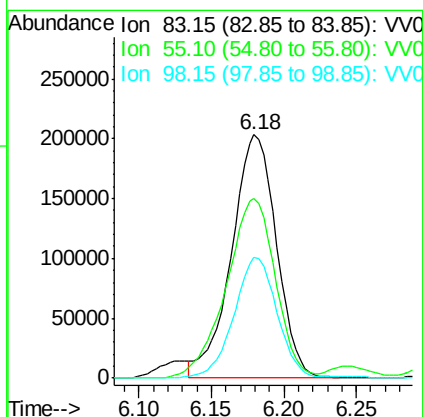
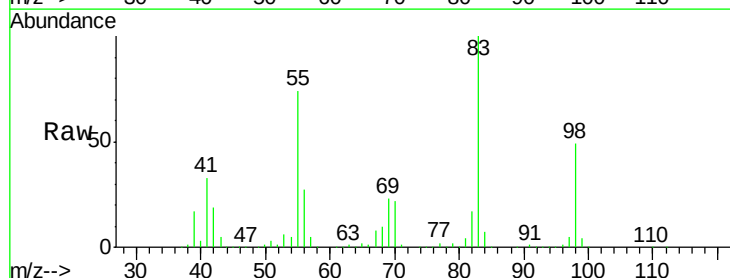
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE7

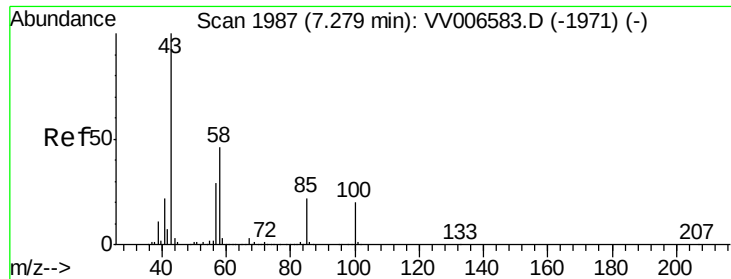
Tgt Ion: 95 Resp: 5970
 Ion Ratio Lower Upper
 95 100
 97 58.0 44.3 82.3
 132 95.6 70.0 130.0
 130 95.2 72.7 134.9



#35
 Methylcyclohexane
 Concen: 11.476 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006586.D
 Acq: 12 Jul 2018 15:23

Tgt Ion: 83 Resp: 435318
 Ion Ratio Lower Upper
 83 100
 55 80.9 58.3 87.5
 98 47.9 39.3 58.9

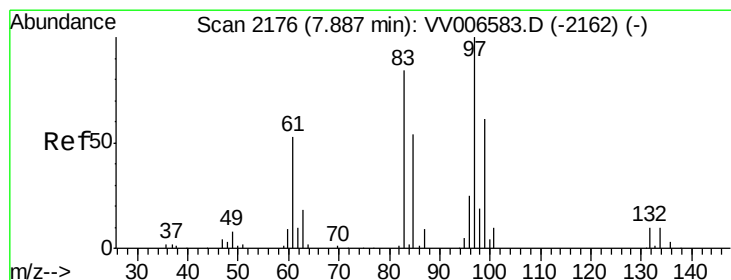
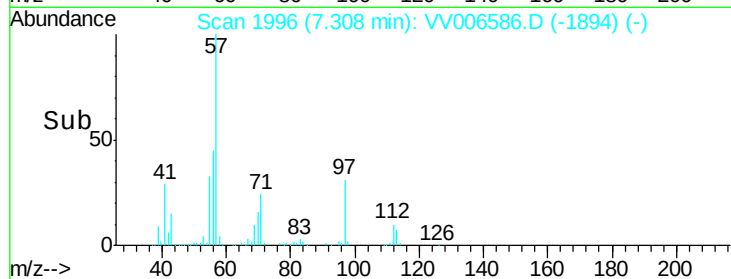
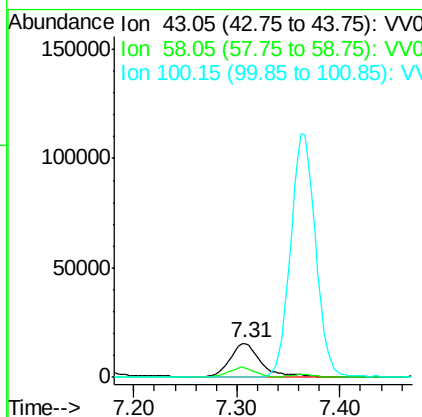
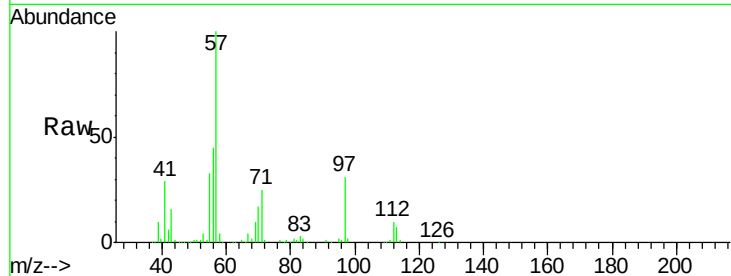




#40
 4-Methyl-2-pentanone
 Concen: 2.817 ug/L
 RT: 7.31 min Scan# 1996
 Delta R.T. 0.03 min
 Lab File: VV006586.D
 Acq: 12 Jul 2018 15:23

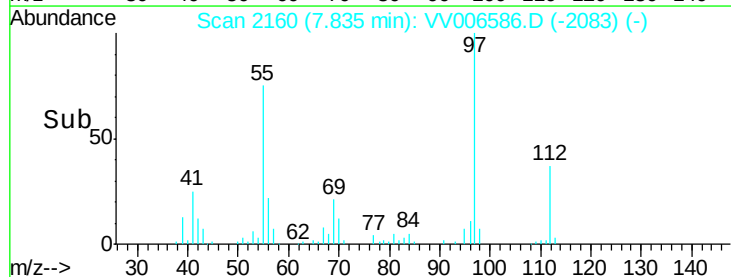
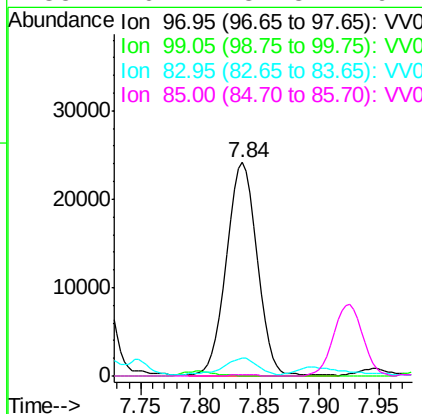
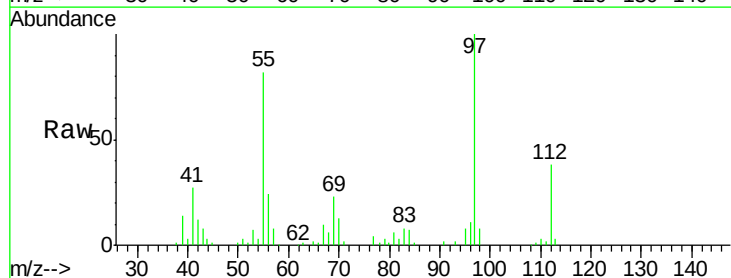
Instrument :
 MSVOA_V
 ClientSampleID :
 C0AE7

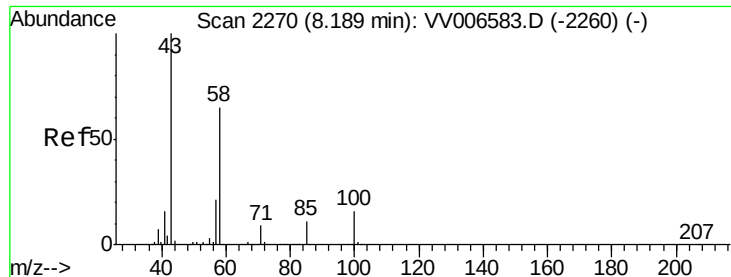
Tgt Ion: 43 Resp: 32076
 Ion Ratio Lower Upper
 43 100
 58 26.1 35.8 53.6#
 100 0.0 15.4 23.0#



#45
 1,1,2-Trichloroethane
 Concen: 2.772 ug/L
 RT: 7.84 min Scan# 2160
 Delta R.T. -0.05 min
 Lab File: VV006586.D
 Acq: 12 Jul 2018 15:23

Tgt Ion: 97 Resp: 43573
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.3 80.3#
 83 8.4 58.0 107.8#
 85 0.7 37.8 70.2#

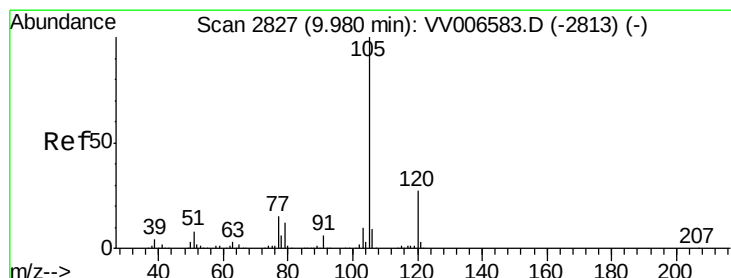
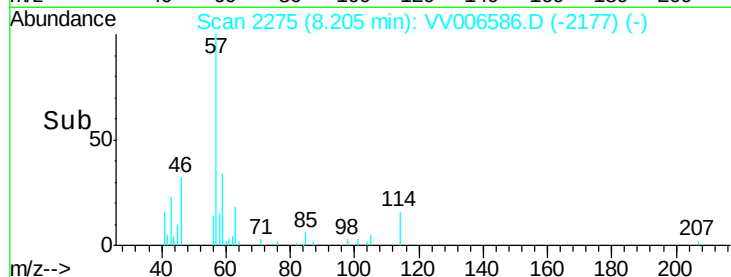
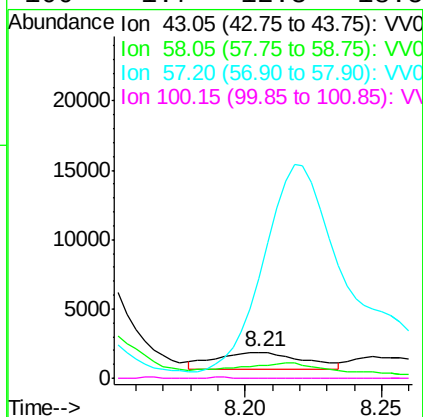
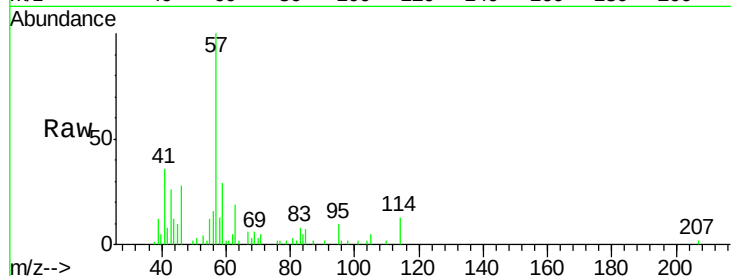




#48
2-Hexanone
Concen: 0.342 ug/L
RT: 8.21 min Scan# 2275
Delta R.T. 0.02 min
Lab File: VV006586.D
Acq: 12 Jul 2018 15:23

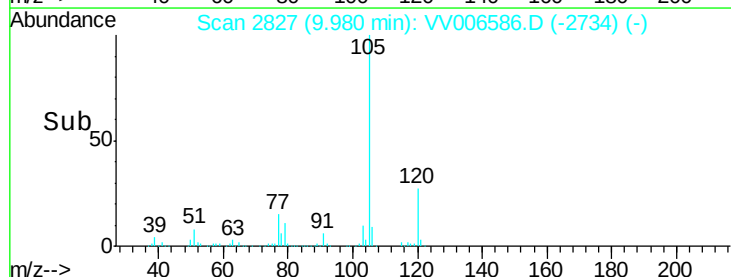
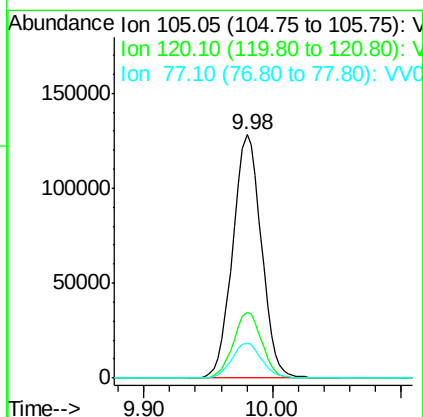
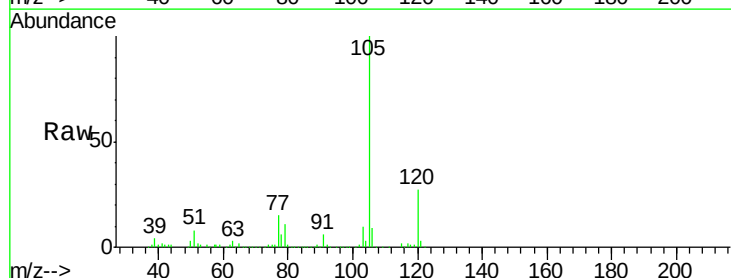
Instrument :
MSVOA_V
ClientSampleId :
C0AE7

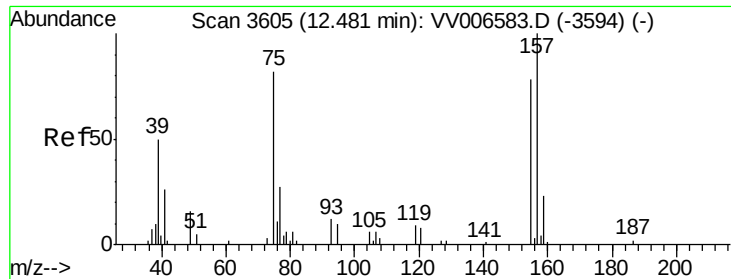
Tgt Ion: 43 Resp: 2762
Ion Ratio Lower Upper
43 100
58 94.4 50.3 75.5#
57 1162.4 17.0 25.4#
100 1.7 12.3 18.5#



#56
Isopropylbenzene
Concen: 2.016 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV006586.D
Acq: 12 Jul 2018 15:23

Tgt Ion: 105 Resp: 197938
Ion Ratio Lower Upper
105 100
120 26.8 21.5 32.3
77 14.9 11.8 17.6

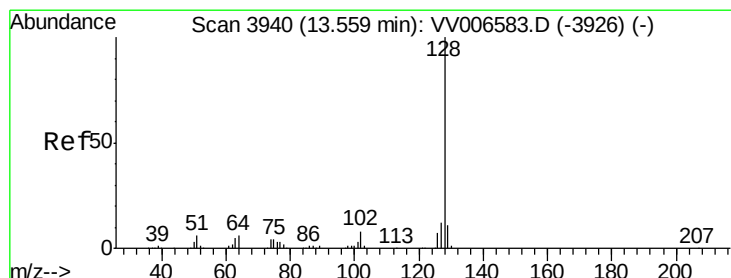
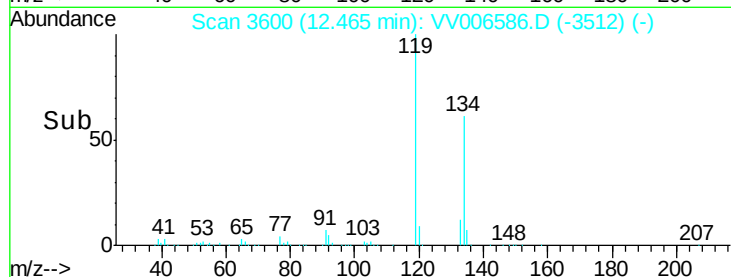
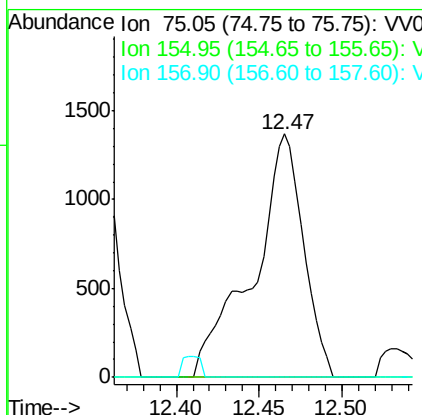
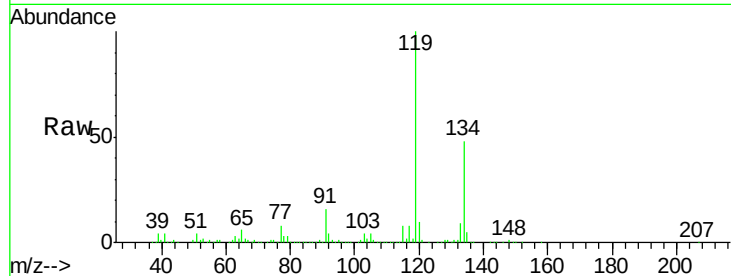




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.169 ug/L
 RT: 12.47 min Scan# 3600
 Delta R.T. -0.02 min
 Lab File: VV006586.D
 Acq: 12 Jul 2018 15:23

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE7

Tgt Ion: 75 Resp: 2897
 Ion Ratio Lower Upper
 75 100
 155 0.0 75.4 113.2#
 157 0.0 99.6 149.4#



#69
 Naphthalene
 Concen: 0.394 ug/L
 RT: 13.54 min Scan# 3935
 Delta R.T. -0.02 min
 Lab File: VV006586.D
 Acq: 12 Jul 2018 15:23

Tgt Ion: 128 Resp: 20240
 Ion Ratio Lower Upper
 128 100
 129 75.4 8.5 12.7#
 127 32.1 10.2 15.2#

