

Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG1

Quant Time: Dec 20 02:03:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	116833	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	108732	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	36989	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	15433	12.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.08%
7) Chloroethane-d5	1.58	69	26049	29.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.64%
10) 1,1-Dichloroethene-d2	2.13	63	38249	12.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.60%
20) 2-Butanone-d5	3.94	46	32203	73.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.32%#
24) Chloroform-d	4.40	84	85315	30.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	121.52%
26) 1,2-Dichloroethane-d4	5.08	65	59923	39.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	156.40%#
29) Benzene-d6	5.10	84	153781	25.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.28%
33) 1,2-Dichloropropane-d6	6.12	67	58365	34.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	137.32%#
37) Toluene-d8	7.36	98	129546	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.20%
38) trans-1,3-Dichloropropene-	7.66	79	18143	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	8.14	63	17935	57.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50222	35.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	140.84%#
61) 1,2-Dichlorobenzene-d4	11.68	152	39438	28.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.64%

Target Compounds

					Qvalue
13) Acetone	2.19	43	10607	16.355 ug/L	96
14) Carbon disulfide	2.32	76	1917	0.396 ug/L #	91
15) Methyl Acetate	2.47	43	451	0.548 ug/L #	51
16) Methylene chloride	2.53	84	5012	2.548 ug/L #	82
25) Chloroform	4.43	83	2326	0.822 ug/L #	29
27) 1,2-Dichloroethane	5.11	62	975	0.506 ug/L #	75
30) Cyclohexane	4.72	56	3893	1.422 ug/L #	79
34) Benzene	5.14	78	1575	0.242 ug/L	100
36) Methylcyclohexane	6.17	83	10716	3.421 ug/L #	26
40) 1,2-Dichloropropane	6.12	63	6599	4.221 ug/L #	90
42) cis-1,3-Dichloropropene	7.03	75	1167	0.510 ug/L #	5
43) 4-Methyl-2-pentanone	7.31	43	8987	8.504 ug/L #	63
46) 1,1,2-Trichloroethane	7.83	97	19081	14.647 ug/L #	21
47) Tetrachloroethene	8.03	164	487	0.305 ug/L #	73
49) 2-Hexanone	8.19	43	2415	2.762 ug/L #	91
57) Isopropylbenzene	9.98	105	2774	0.391 ug/L #	74
58) 1,1,2,2-Tetrachloroethane	10.29	83	1787	1.269 ug/L #	47

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Quantitation Report (Not Reviewed)

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Quant Time: Dec 20 02:03:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

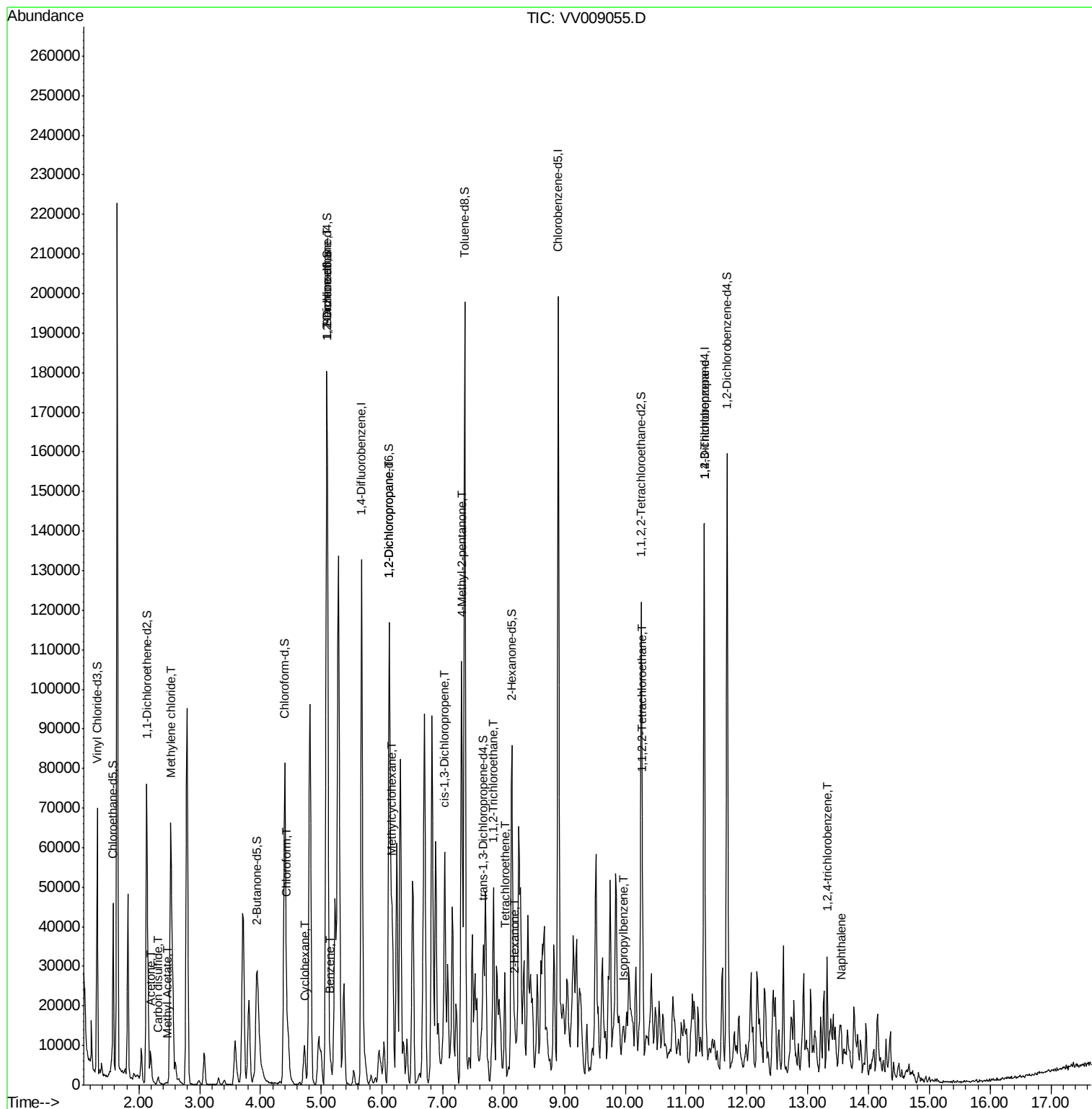
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.30	75	4356	3.575	ug/L #	87
68) 1,2,4-trichlorobenzene	13.31	180	236	0.196	ug/L #	1
69) Naphthalene	13.56	128	4484	2.158	ug/L #	83

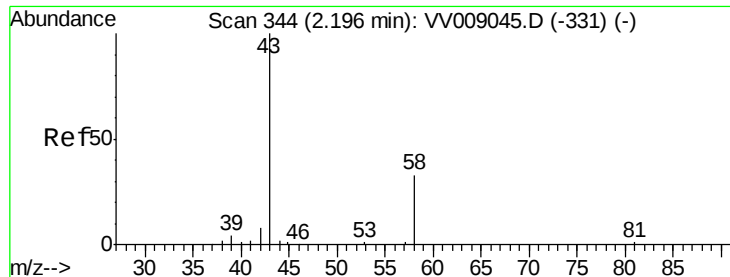
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
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QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 16.355 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV009055.D

Acq: 19 Dec 2018 17:07

Instrument :

MSVOA_V

ClientSampled :

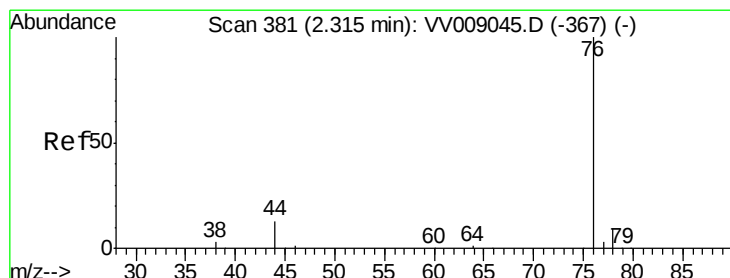
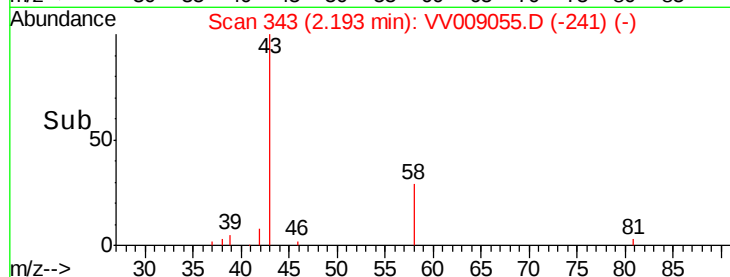
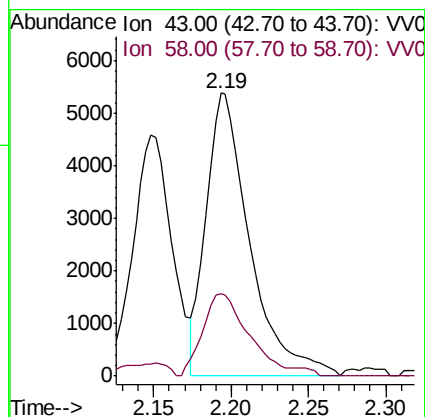
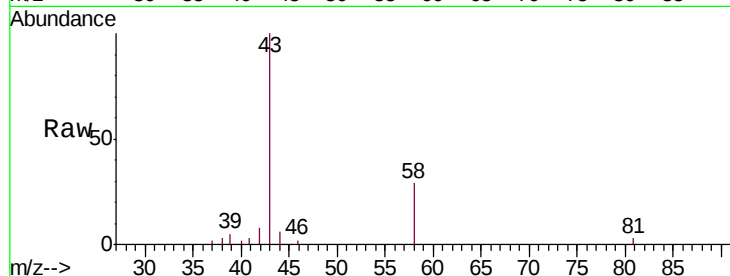
C0JG1

Tgt Ion: 43 Resp: 10607

Ion Ratio Lower Upper

43 100

58 30.5 0.0 65.4



#14

Carbon disulfide

Concen: 0.396 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009055.D

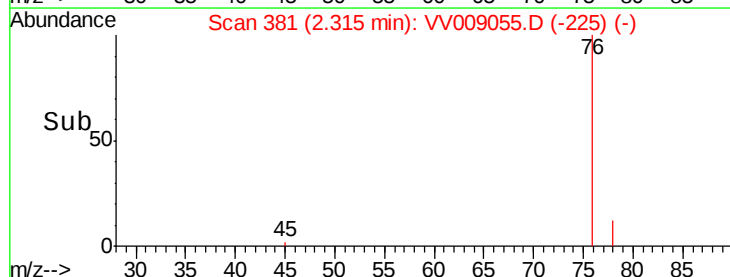
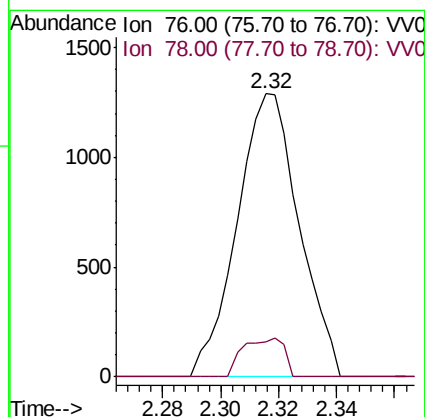
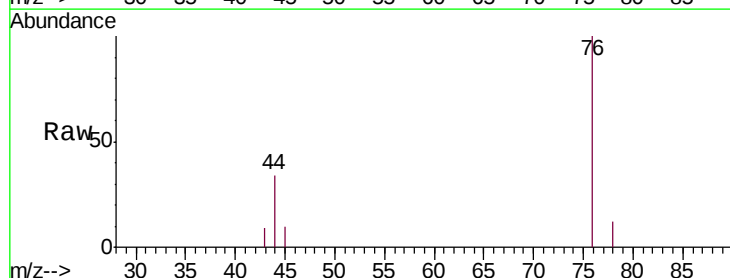
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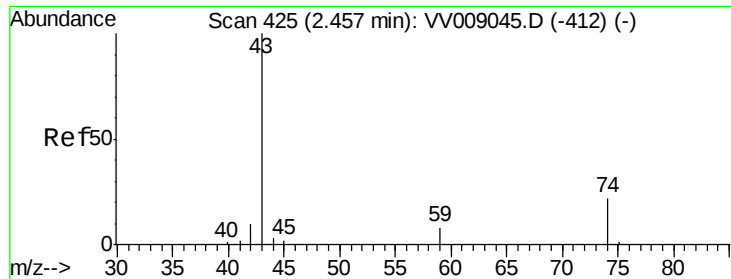
Tgt Ion: 76 Resp: 1917

Ion Ratio Lower Upper

76 100

78 12.5 7.4 11.0#

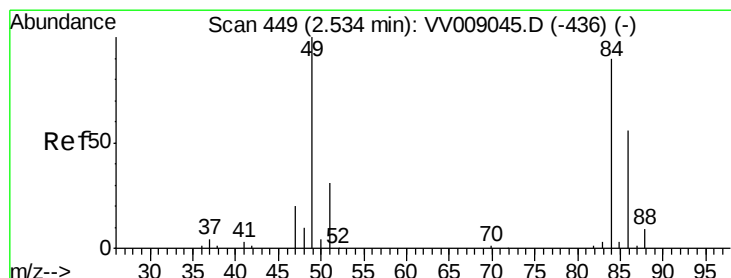
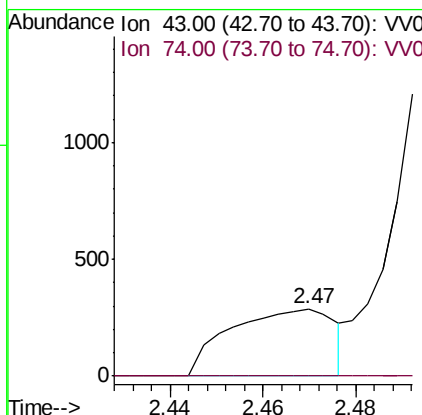
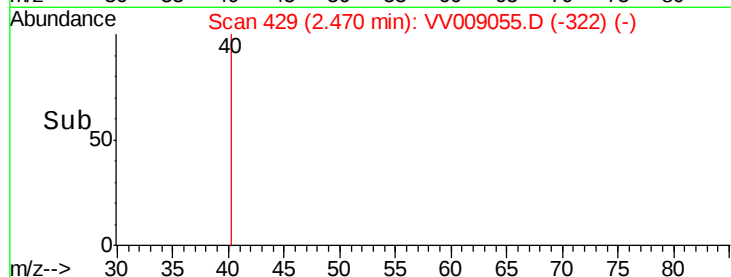
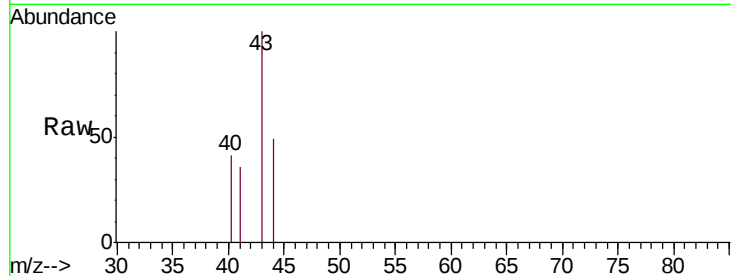




#15
Methyl Acetate
Concen: 0.548 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

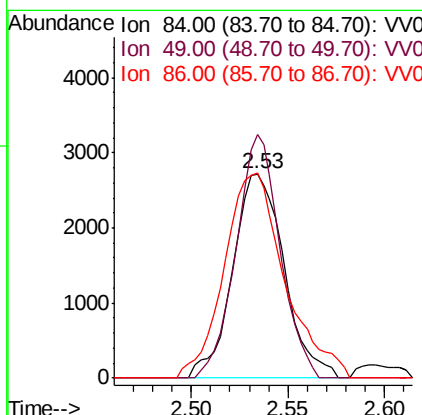
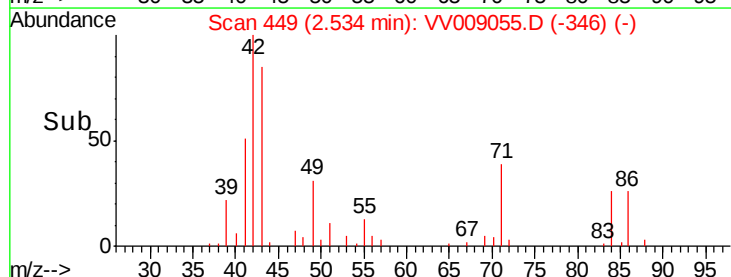
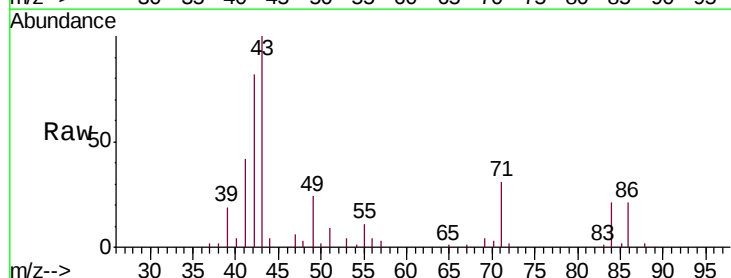
Instrument :
MSVOA_V
ClientSampled :
C0JG1

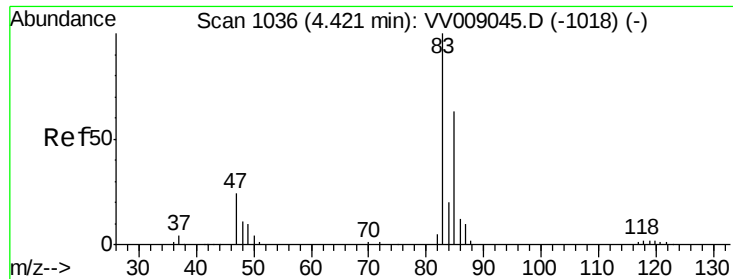
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#16
Methylene chloride
Concen: 2.548 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Tgt Ion: 84 Resp: 5012
Ion Ratio Lower Upper
84 100
49 119.1 80.5 149.5
86 100.1 45.5 84.5#

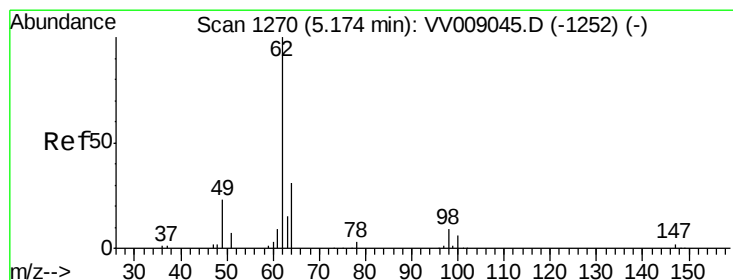
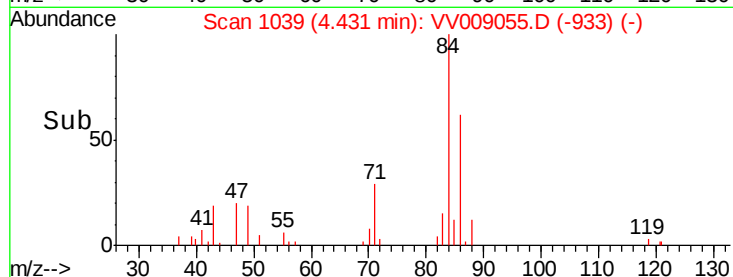
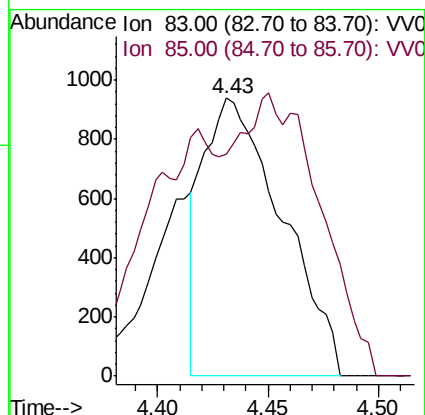
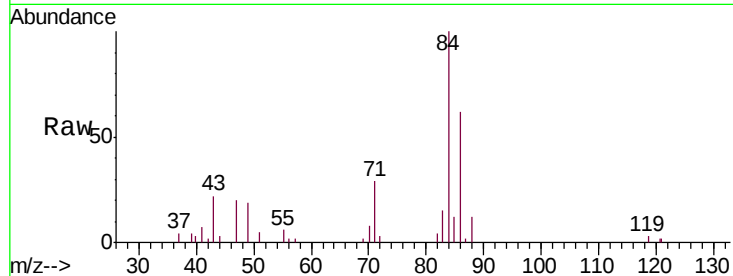




#25
Chloroform
Concen: 0.822 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

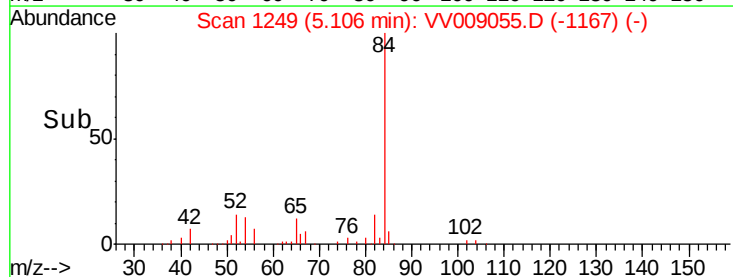
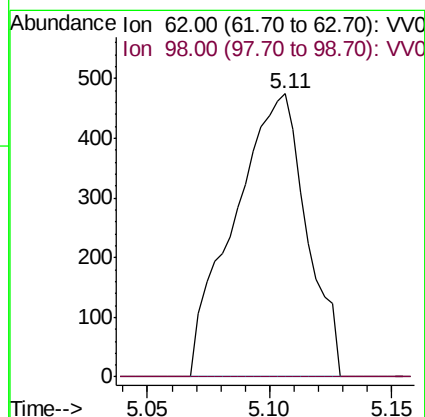
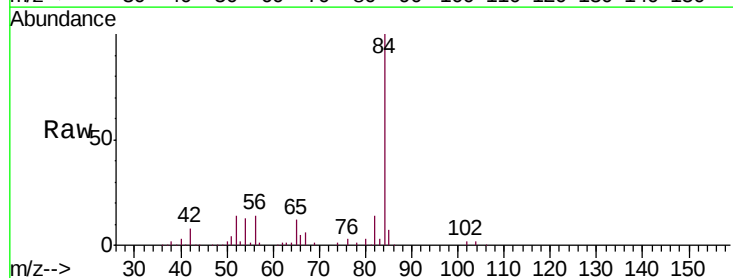
Instrument :
MSVOA_V
ClientSampleId :
C0JG1

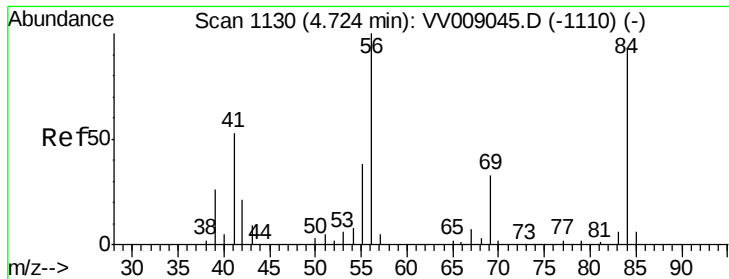
Tgt Ion: 83 Resp: 2326
Ion Ratio Lower Upper
83 100
85 9.2 45.6 84.8#



#27
1,2-Dichloroethane
Concen: 0.506 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.07 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Tgt Ion: 62 Resp: 975
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#

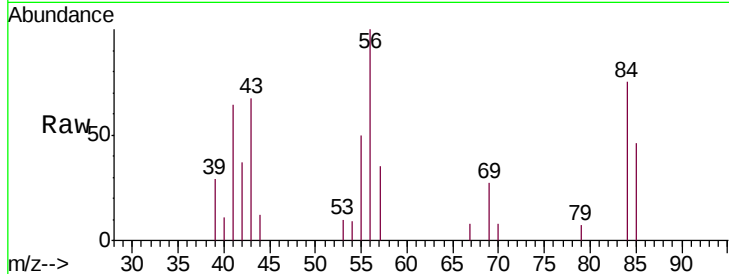




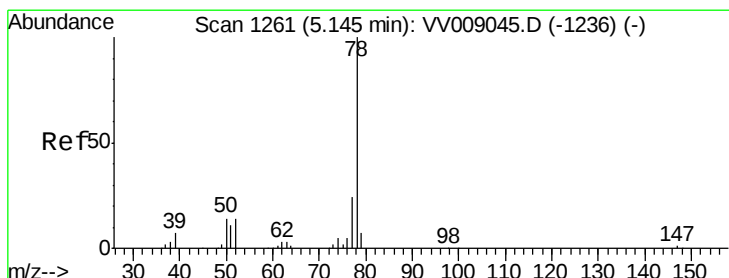
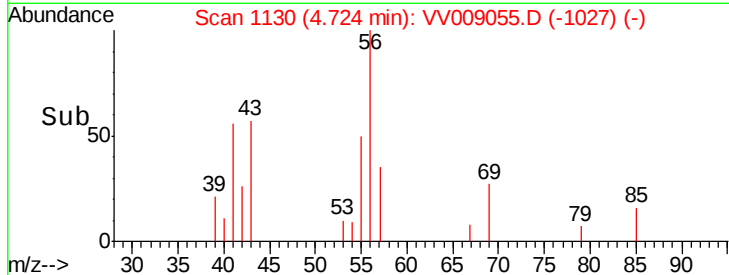
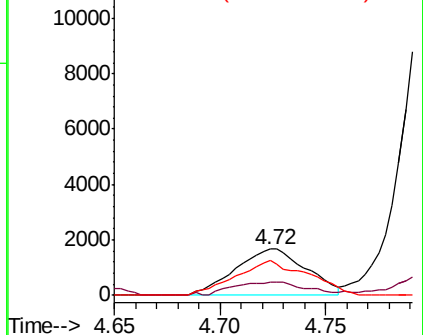
#30
Cyclohexane
Concen: 1.422 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Instrument :
MSVOA_V
ClientSampleId :
C0JG1

Tgt Ion: 56 Resp: 3893
Ion Ratio Lower Upper
56 100
69 11.4 25.8 38.8#
84 76.7 73.0 109.6

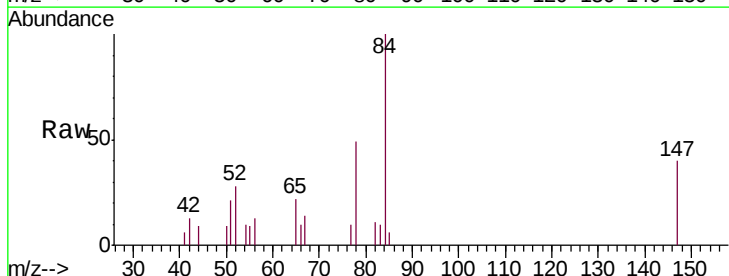


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

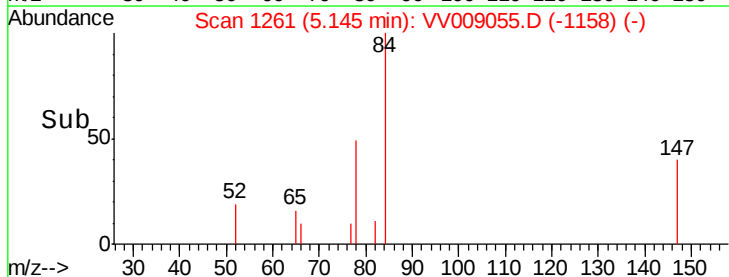
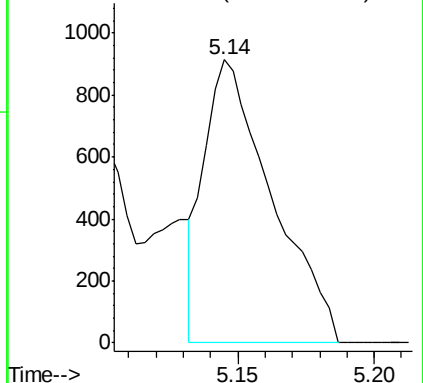


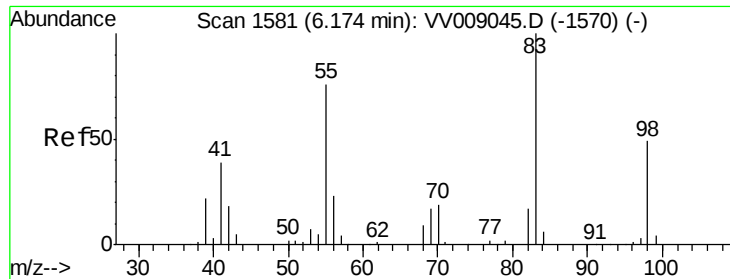
#34
Benzene
Concen: 0.242 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Tgt Ion: 78 Resp: 1575



Abundance Ion 78.00 (77.70 to 78.70): VV0

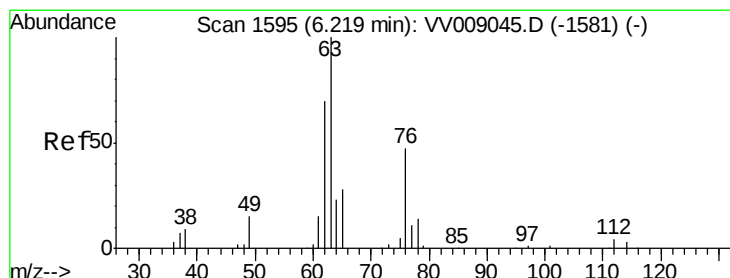
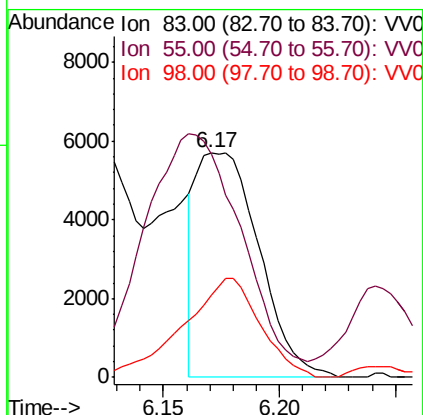
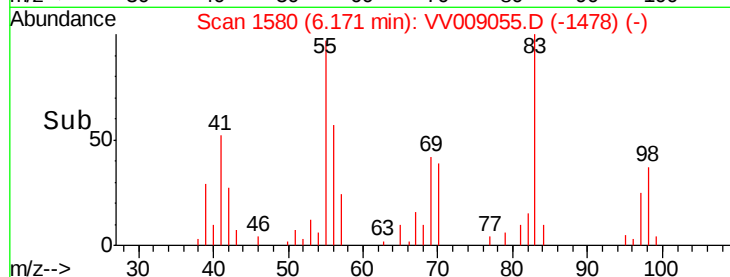
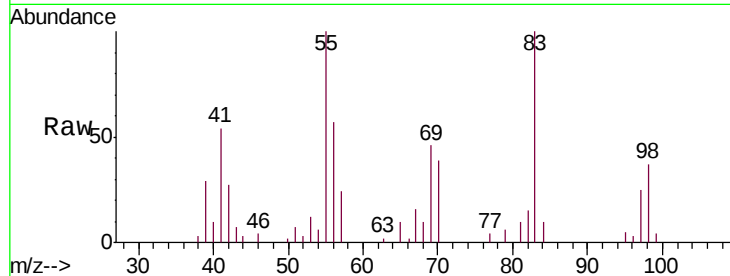




#36
Methylcyclohexane
Concen: 3.421 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

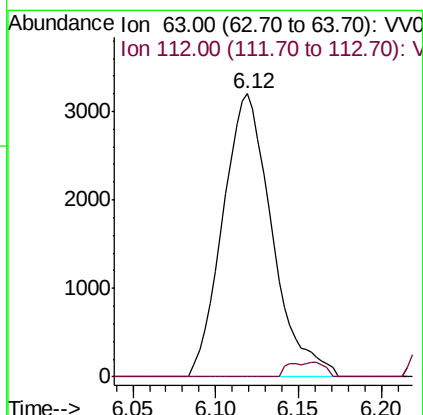
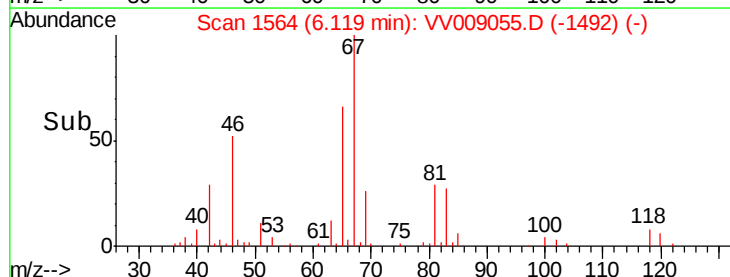
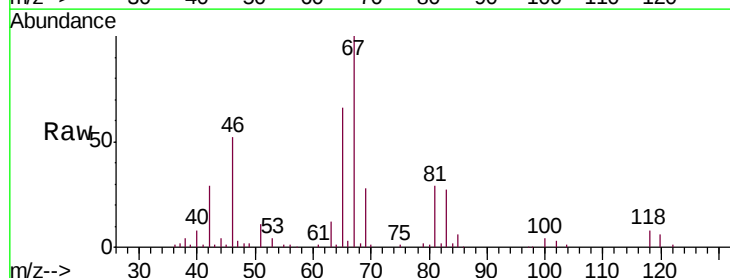
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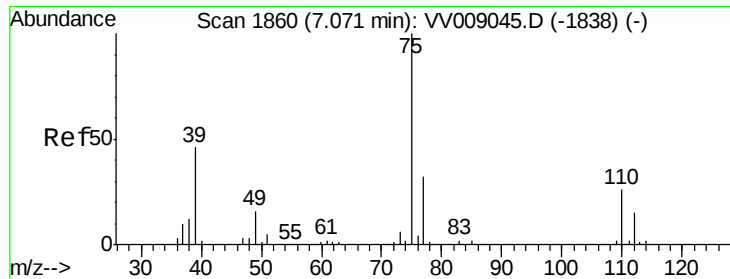
Tgt Ion: 83 Resp: 10716
Ion Ratio Lower Upper
83 100
55 169.4 58.2 87.2#
98 54.8 37.8 56.8



#40
1,2-Dichloropropane
Concen: 4.221 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Tgt Ion: 63 Resp: 6599
Ion Ratio Lower Upper
63 100
112 1.7 3.8 5.8#





#42

cis-1,3-Dichloropropene

Concen: 0.510 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009055.D

Acq: 19 Dec 2018 17:07

Instrument :

MSVOA_V

ClientSampleId :

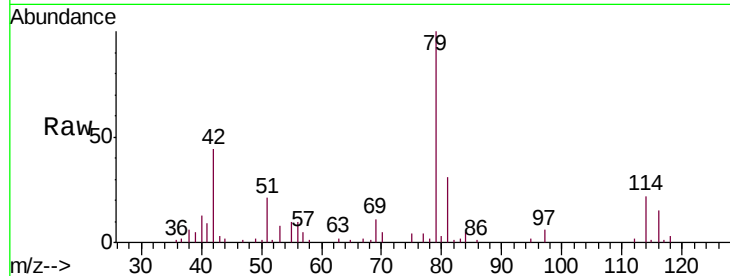
C0JG1

Tgt Ion: 75 Resp: 1167

Ion Ratio Lower Upper

75 100

77 82.3 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV009045.D (-1838) (-)

Ion 77.00 (76.70 to 77.70): VV009045.D (-1838) (-)

7.03

600

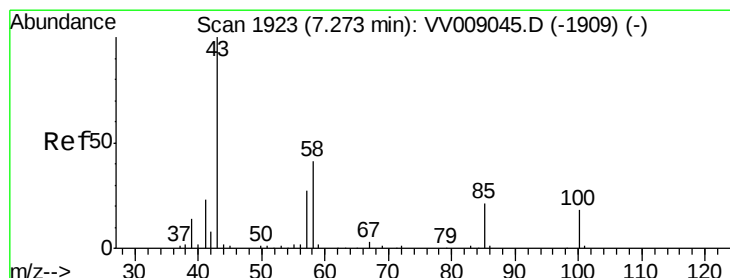
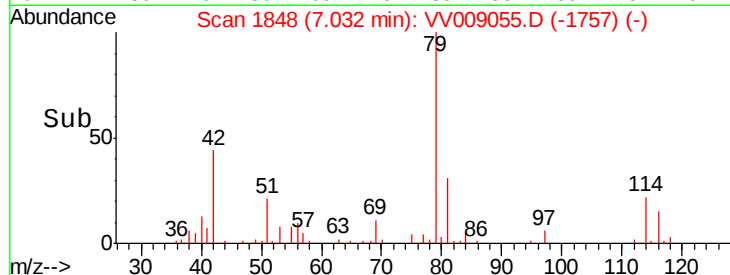
400

200

0

7.00 7.05

Time-->



#43

4-Methyl-2-pentanone

Concen: 8.504 ug/L

RT: 7.31 min Scan# 1933

Delta R.T. 0.03 min

Lab File: VV009055.D

Acq: 19 Dec 2018 17:07

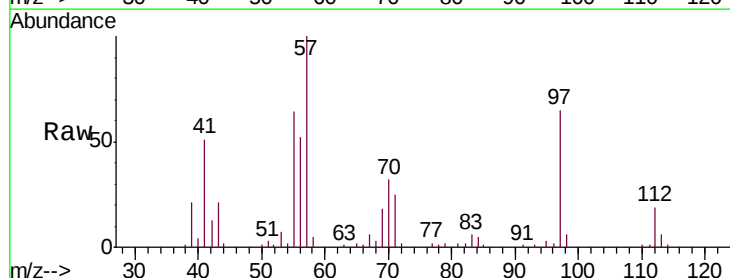
Tgt Ion: 43 Resp: 8987

Ion Ratio Lower Upper

43 100

58 17.9 32.2 48.4#

100 0.0 13.8 20.8#



Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-1909) (-)

Ion 58.00 (57.70 to 58.70): VV009045.D (-1909) (-)

Ion 100.00 (99.70 to 100.70): VV009045.D (-1909) (-)

60000

50000

40000

30000

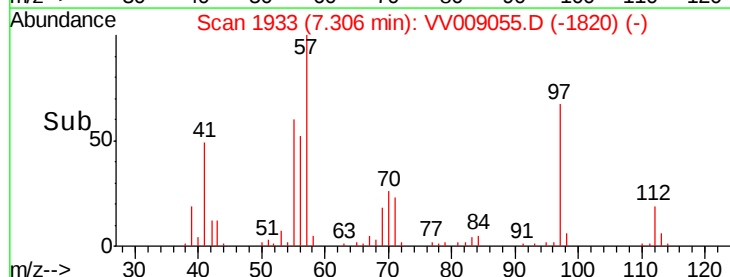
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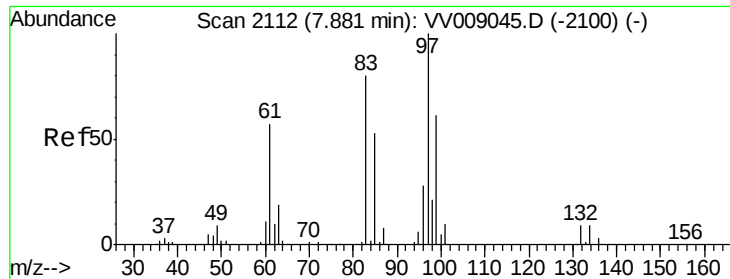
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7.20 7.25 7.30 7.35 7.40

Time-->

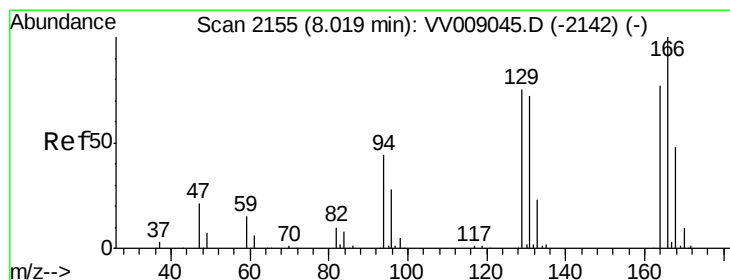
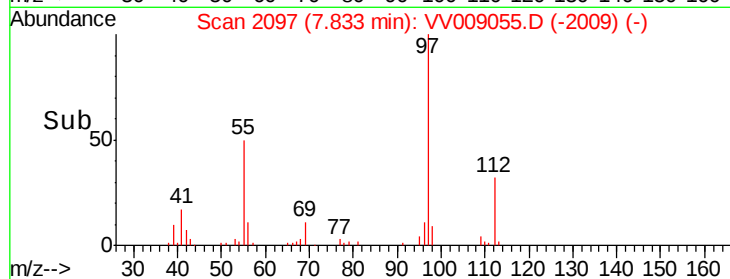
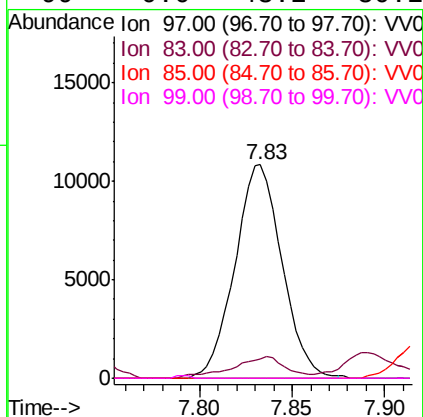
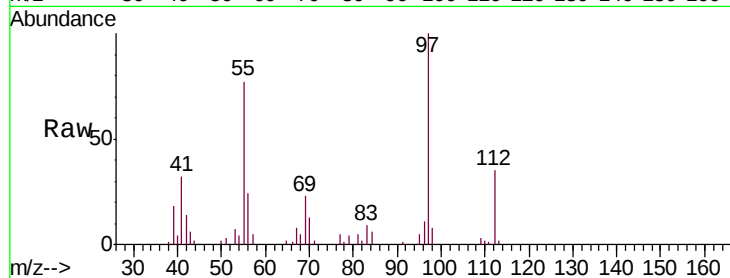




#46
 1,1,2-Trichloroethane
 Concen: 14.647 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.05 min
 Lab File: VV009055.D
 Acq: 19 Dec 2018 17:07

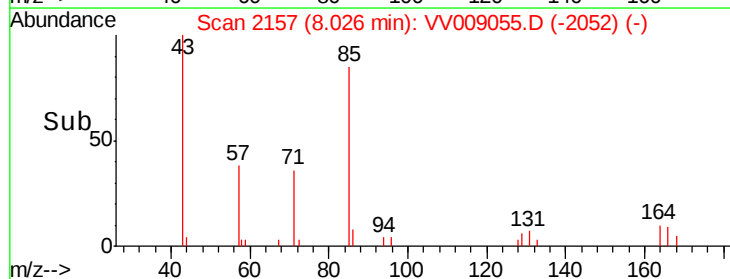
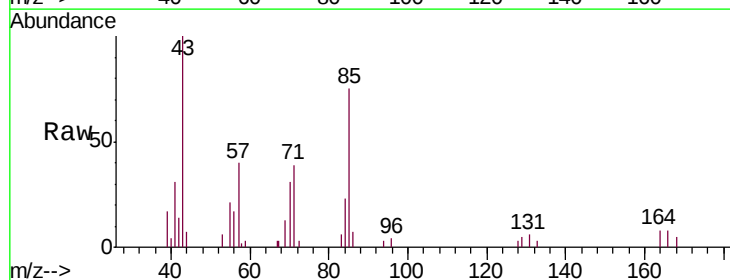
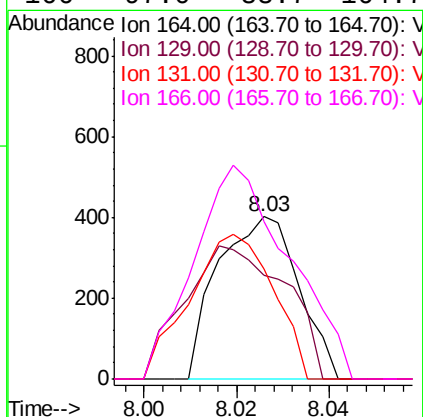
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG1

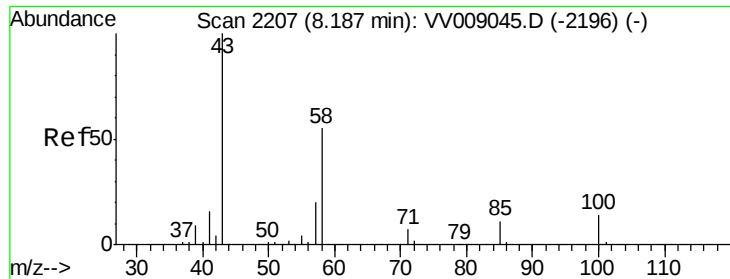
Tgt Ion: 97 Resp: 19081
 Ion Ratio Lower Upper
 97 100
 83 9.2 56.6 105.2#
 85 0.0 36.6 68.0#
 99 0.0 43.2 80.2#



#47
 Tetrachloroethene
 Concen: 0.305 ug/L
 RT: 8.03 min Scan# 2157
 Delta R.T. 0.01 min
 Lab File: VV009055.D
 Acq: 19 Dec 2018 17:07

Tgt Ion: 164 Resp: 487
 Ion Ratio Lower Upper
 164 100
 129 63.7 64.6 120.0#
 131 67.9 64.5 119.7
 166 97.0 88.7 164.7

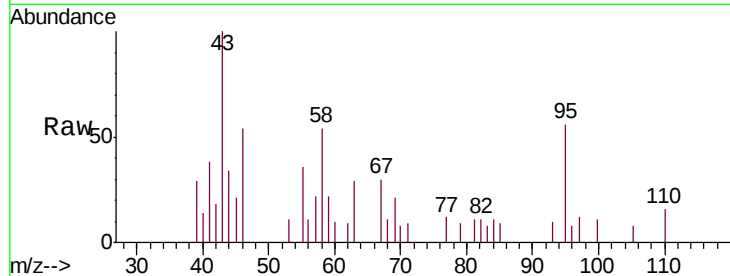




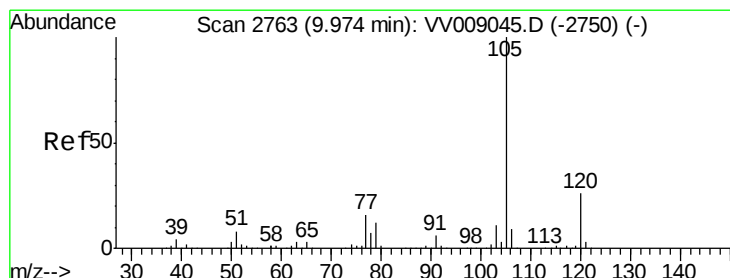
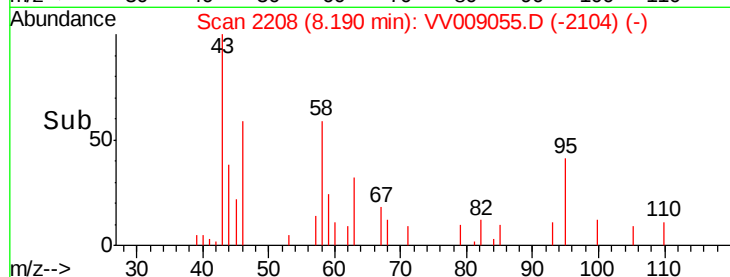
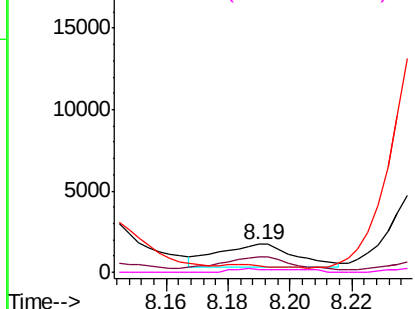
#49
2-Hexanone
Concen: 2.762 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Instrument :
MSVOA_V
ClientSampleId :
C0JG1

Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
58 55.2 43.9 65.9
57 6.4 15.7 23.5#
100 8.5 11.0 16.4#

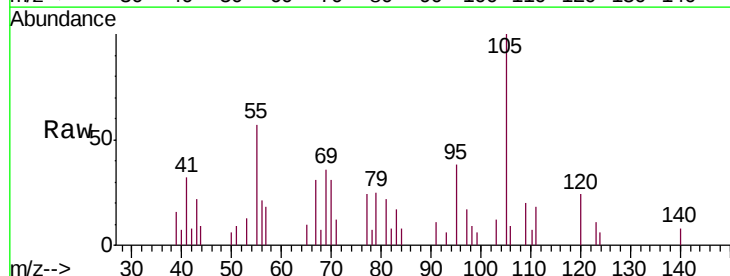


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

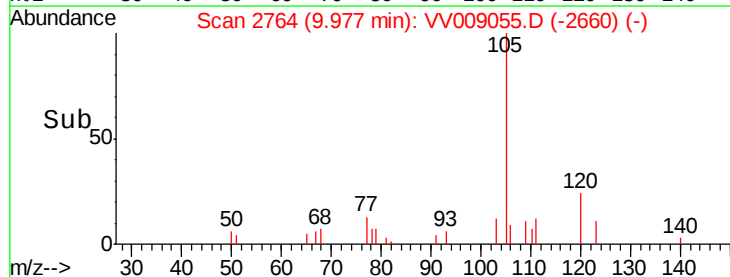
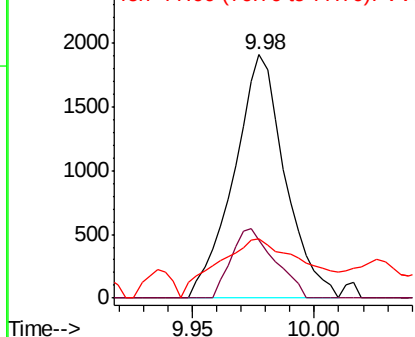


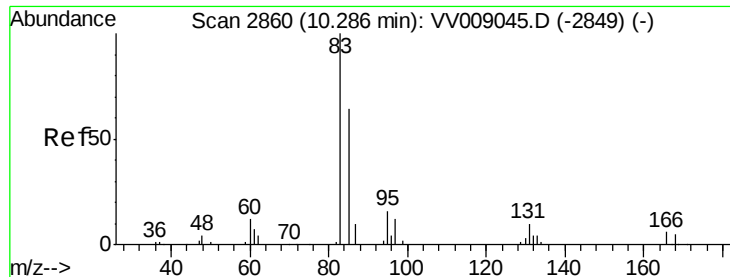
#57
Isopropylbenzene
Concen: 0.391 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV009055.D
Acq: 19 Dec 2018 17:07

Tgt Ion: 105 Resp: 2774
Ion Ratio Lower Upper
105 100
120 24.3 21.7 32.5
77 41.9 12.4 18.6#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.269 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009055.D

Acq: 19 Dec 2018 17:07

Instrument :

MSVOA_V

ClientSampleId :

C0JG1

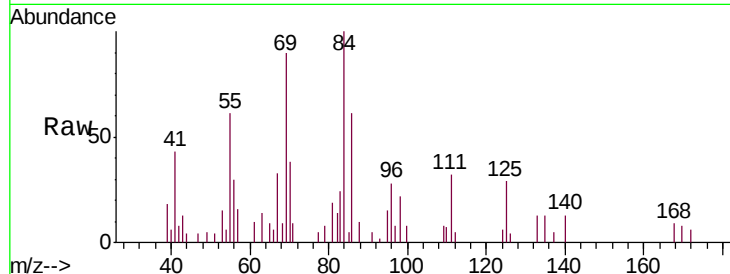
Tgt Ion: 83 Resp: 1787

Ion Ratio Lower Upper

83 100

85 19.1 44.3 82.3#

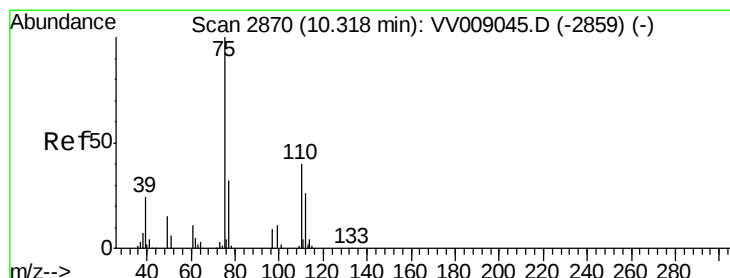
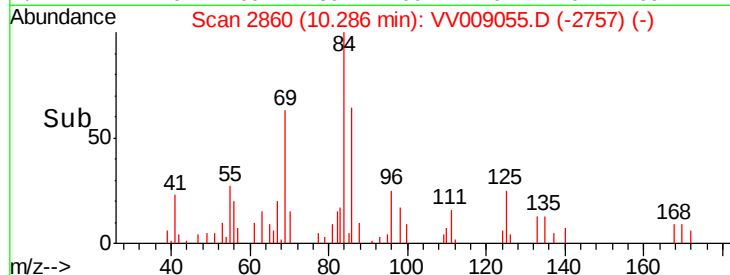
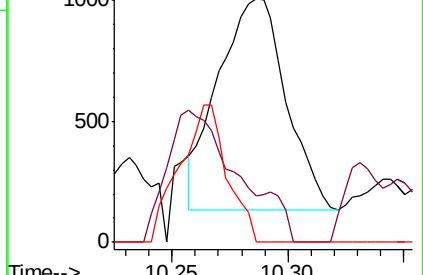
131 0.0 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VV009045.D (-2849) (-)

Ion 85.00 (84.70 to 85.70): VV009045.D (-2849) (-)

Ion 131.00 (130.70 to 131.70): VV009045.D (-2849) (-)



#59

1,2,3-Trichloropropane

Concen: 3.575 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009055.D

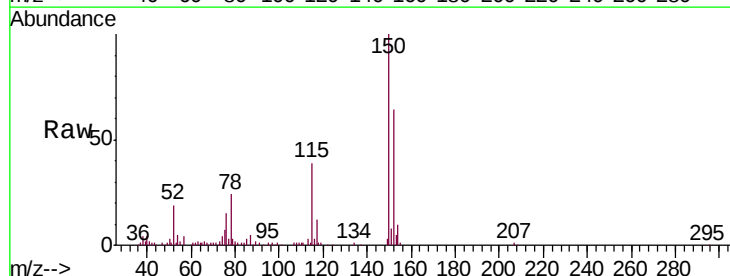
Acq: 19 Dec 2018 17:07

Tgt Ion: 75 Resp: 4356

Ion Ratio Lower Upper

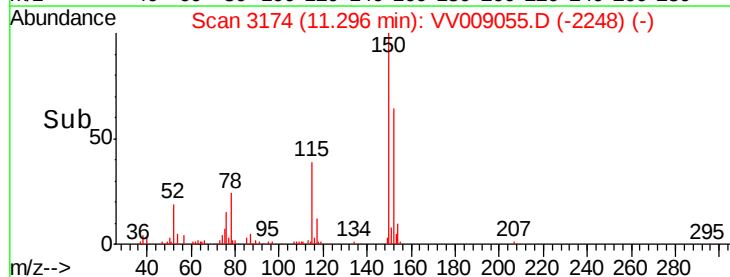
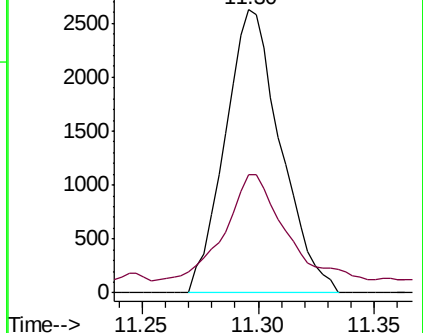
75 100

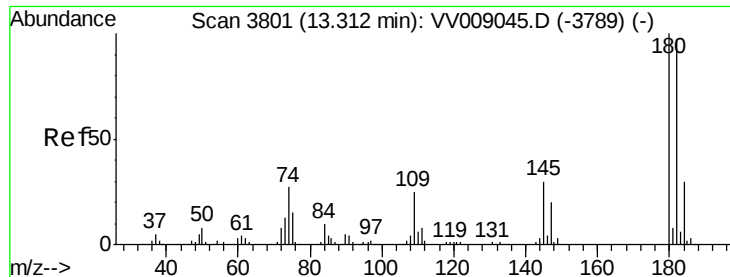
77 39.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV009045.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009045.D (-2859) (-)

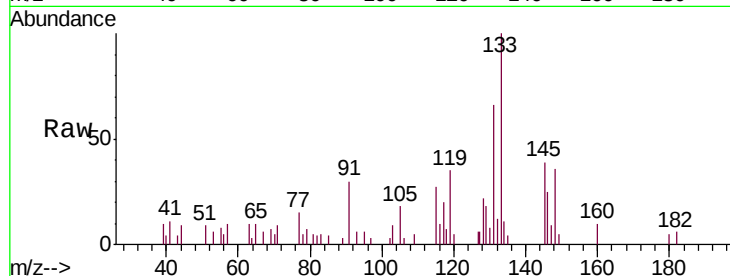




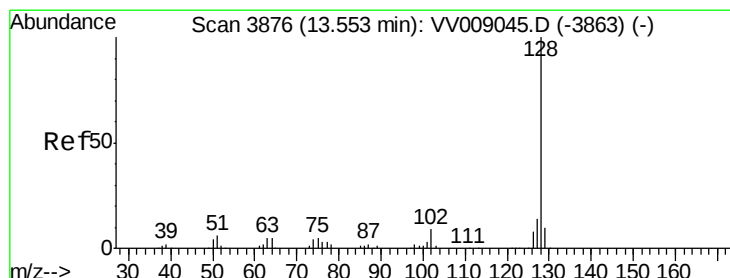
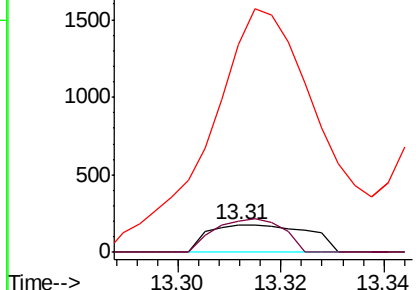
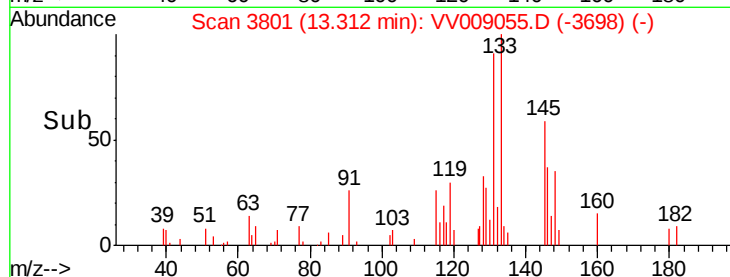
#68
 1,2,4-trichlorobenzene
 Concen: 0.196 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009055.D
 Acq: 19 Dec 2018 17:07

Instrument :
 MSVOA_V
 ClientSampled :
 C0JG1

Tgt Ion:180 Resp: 236
 Ion Ratio Lower Upper
 180 100
 182 84.3 77.4 116.0
 145 989.8 25.6 38.4#

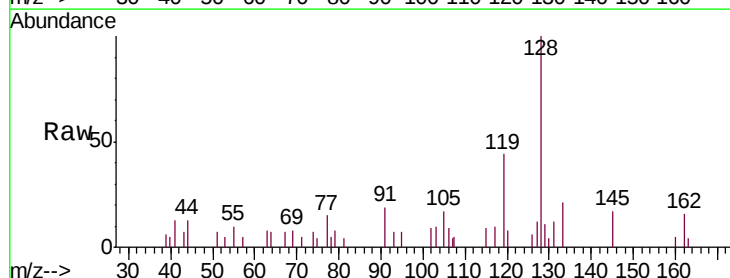


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 2.158 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV009055.D
 Acq: 19 Dec 2018 17:07

Tgt Ion:128 Resp: 4484
 Ion Ratio Lower Upper
 128 100
 129 1.5 8.6 13.0#
 127 8.1 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

