

Data File : VV011143.D
Acq On : 30 May 2019 18:40
Operator : SY/MD
Sample : K3017-22
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F5

Quant Time: May 31 01:47:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	23142	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	33574	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	19706	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4233	13.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.08%
7) Chloroethane-d5	1.56	69	3518	14.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.44%
10) 1,1-Dichloroethene-d2	2.12	63	8516	13.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.00%
20) 2-Butanone-d5	3.94	46	76755	670.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1341.38%#
24) Chloroform-d	4.40	84	13908	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	5.08	65	22749	61.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	246.84%#
29) Benzene-d6	5.09	84	26046	14.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	57.12%
33) 1,2-Dichloropropane-d6	6.11	67	11550	19.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.08%
37) Toluene-d8	7.36	98	29528	17.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.64%
38) trans-1,3-Dichloropropene-	7.66	79	8077	30.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	122.20%
39) 2-Hexanone-d5	8.13	63	48128	362.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	724.94%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44712	84.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	339.68%#
61) 1,2-Dichlorobenzene-d4	11.67	152	19342	26.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.92%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	824	2.255	ug/L	95
6) Bromomethane	1.51	94	1998	10.175	ug/L	90
12) 1,1-Dichloroethene	2.14	96	225	0.865	ug/L #	5
13) Acetone	2.19	43	222961	1674.715	ug/L	99
15) Methyl Acetate	2.46	43	239101	1193.535	ug/L	97
16) Methylene chloride	2.53	84	2212	6.272	ug/L	84
35) Trichloroethene	5.95	95	1611	3.087	ug/L	90
44) Toluene	7.43	91	5663	2.607	ug/L	94
49) 2-Hexanone	8.19	43	3040	8.877	ug/L #	67
54) m,p-Xylene	9.18	106	1975	2.130	ug/L	99
55) o-xylene	9.59	106	1363	1.495	ug/L	75
59) 1,2,3-Trichloropropane	11.22	75	457	1.090	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	815	0.638	ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	1562	1.292	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	1437	1.506	ug/L #	83
69) Naphthalene	13.55	128	1321	0.839	ug/L #	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011143.D

Acq On : 30 May 2019 18:40

Operator : SY/MD

Sample : K3017-22

Misc : 5.00G/10ML/MSVOA_V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
A51F5

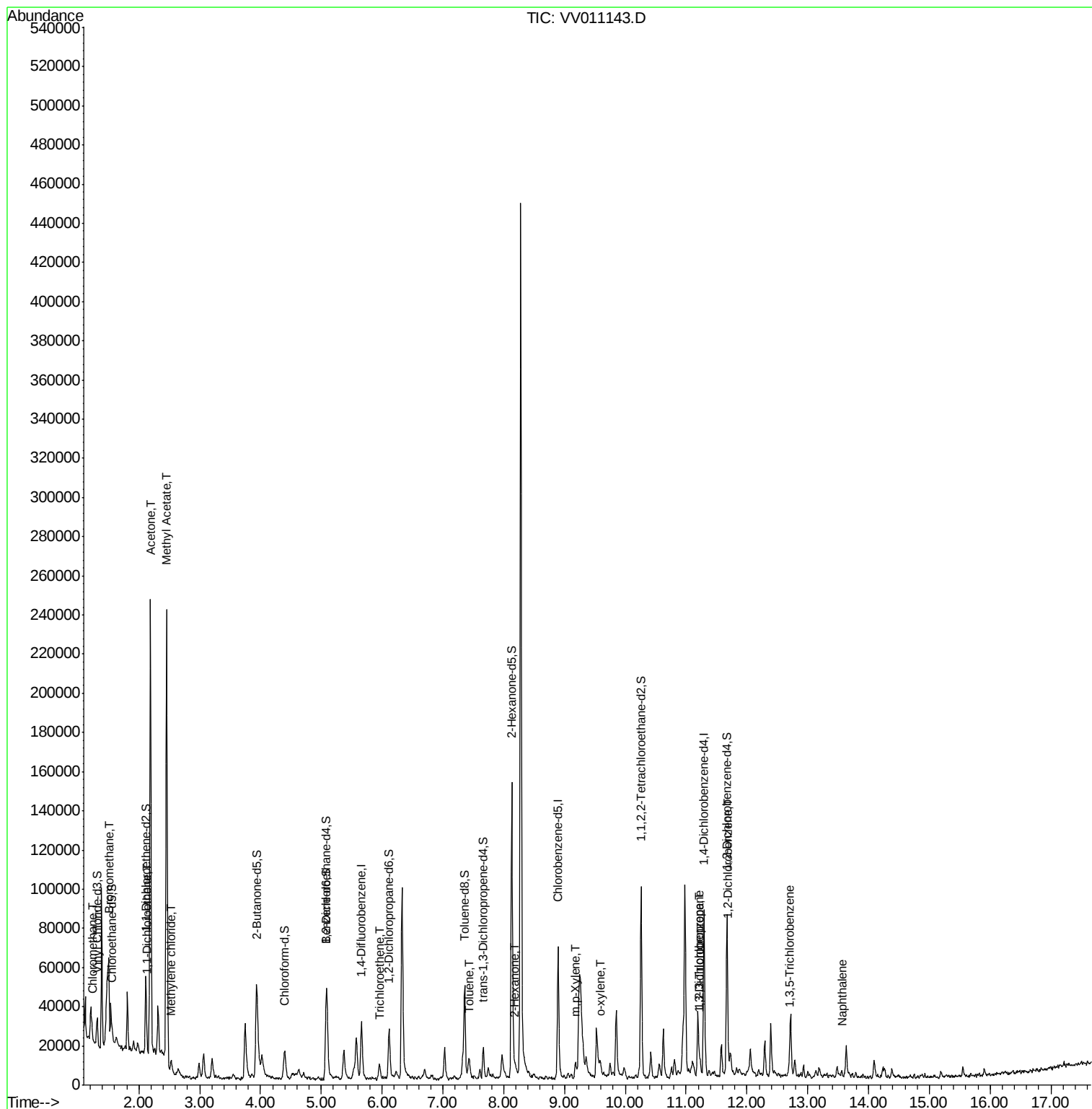
Quant Time: May 31 01:47:48 2019

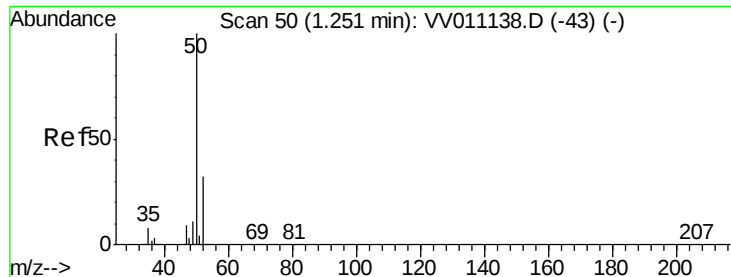
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM053019S.M

Quant Title : VOC Analysis

QLast Update : Fri May 31 01:43:46 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 2.255 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampled :

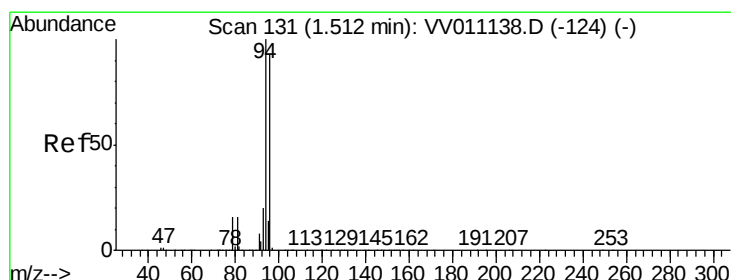
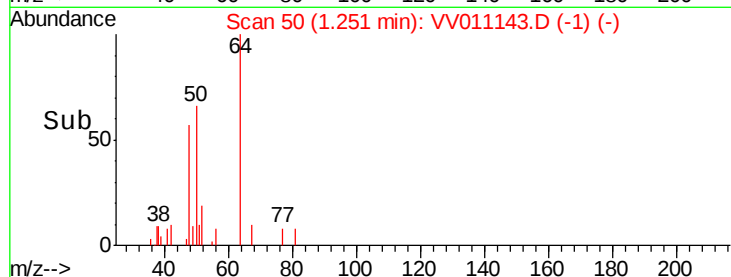
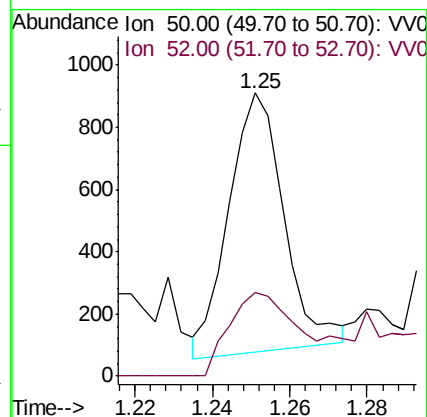
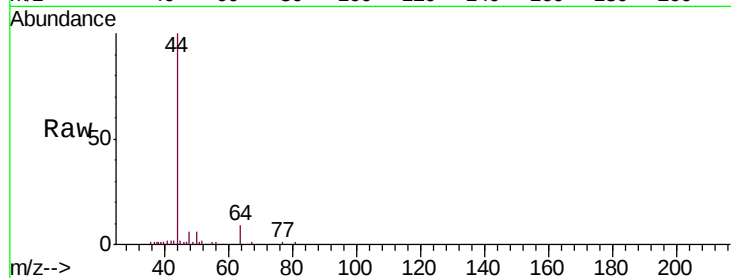
A51F5

Tgt Ion: 50 Resp: 824

Ion Ratio Lower Upper

50 100

52 29.6 22.5 41.9



#6

Bromomethane

Concen: 10.175 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV011143.D

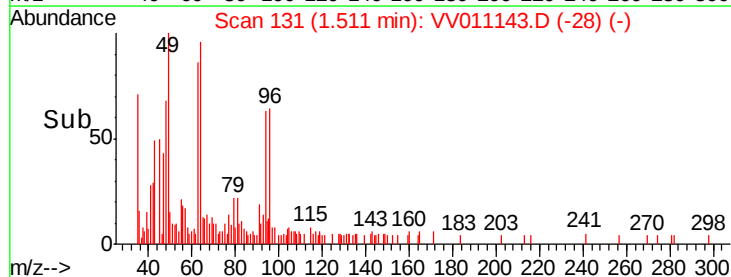
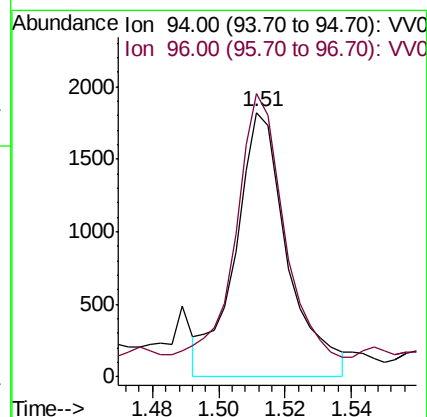
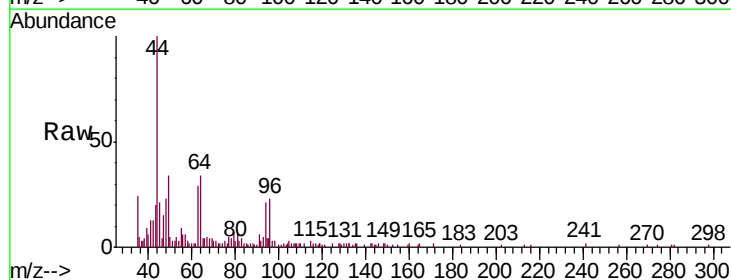
Acq: 30 May 2019 18:40

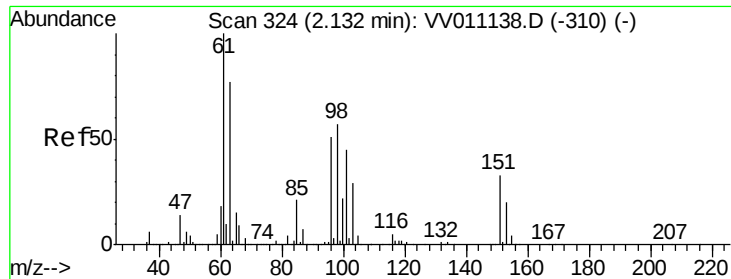
Tgt Ion: 94 Resp: 1998

Ion Ratio Lower Upper

94 100

96 104.7 9.4 179.5





#12

1,1-Dichloroethene

Concen: 0.865 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampleId :

A51F5

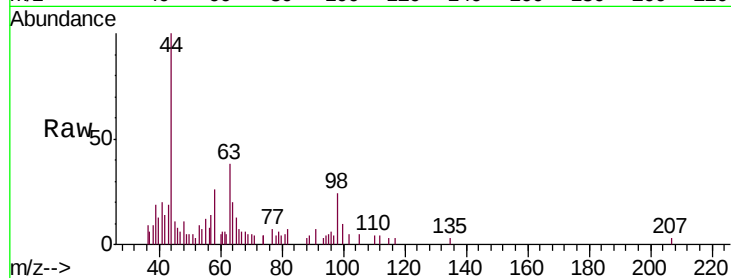
Tgt Ion: 96 Resp: 225

Ion Ratio Lower Upper

96 100

61 112.4 141.6 263.0#

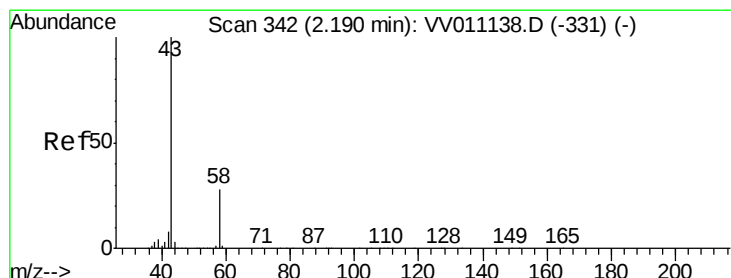
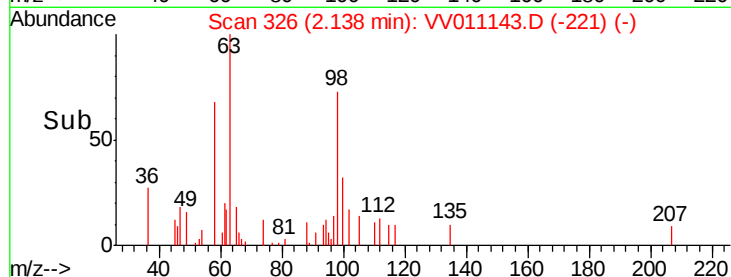
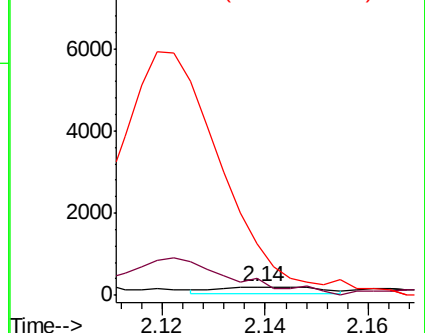
63 350.4 114.4 212.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 1674.715 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV011143.D

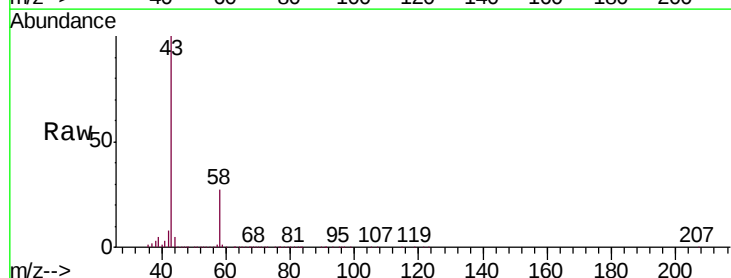
Acq: 30 May 2019 18:40

Tgt Ion: 43 Resp: 222961

Ion Ratio Lower Upper

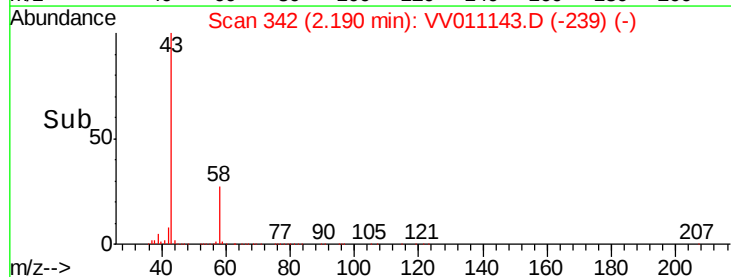
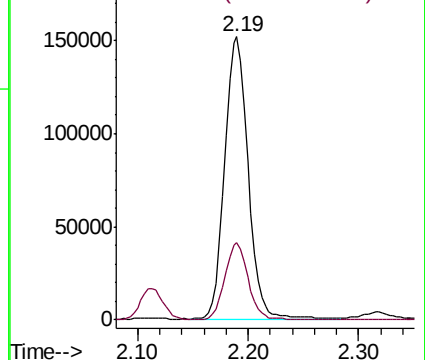
43 100

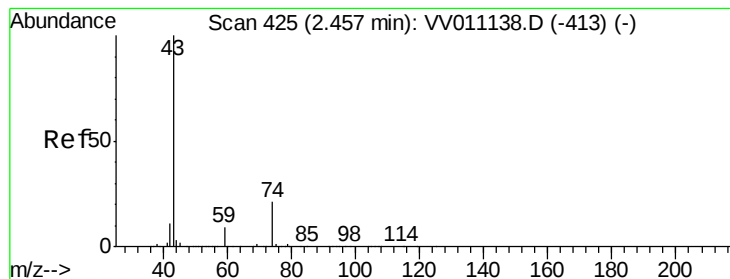
58 26.4 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#15

Methyl Acetate

Concen: 1193.535 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampled :

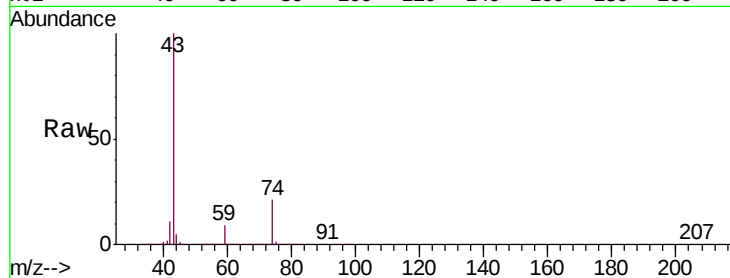
A51F5

Tgt Ion: 43 Resp: 239101

Ion Ratio Lower Upper

43 100

74 21.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VV011143.D (-322) (-)

Ion 74.00 (73.70 to 74.70): VV011143.D (-322) (-)

2.46

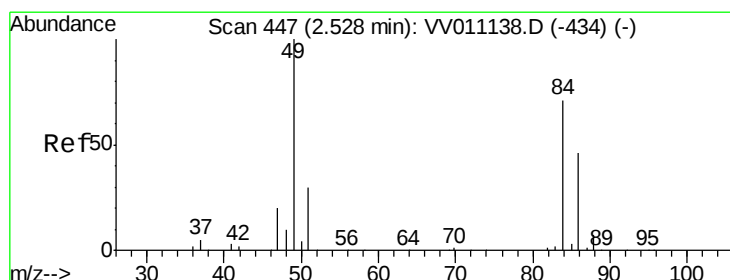
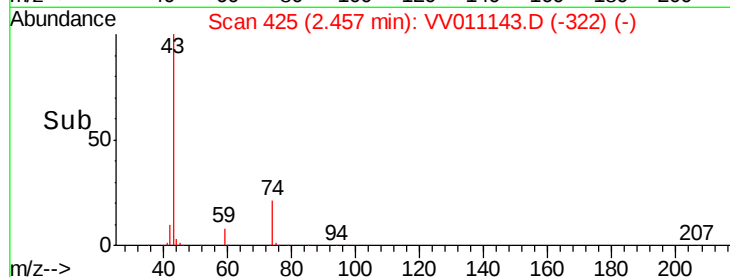
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 6.272 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

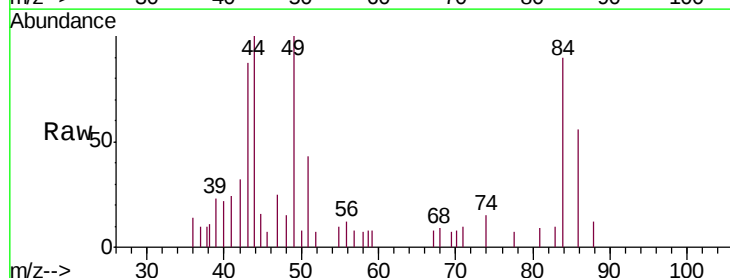
Tgt Ion: 84 Resp: 2212

Ion Ratio Lower Upper

84 100

49 110.9 96.1 178.5

86 62.0 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VV011143.D (-344) (-)

Ion 49.00 (48.70 to 49.70): VV011143.D (-344) (-)

Ion 86.00 (85.70 to 86.70): VV011143.D (-344) (-)

2.53

2000

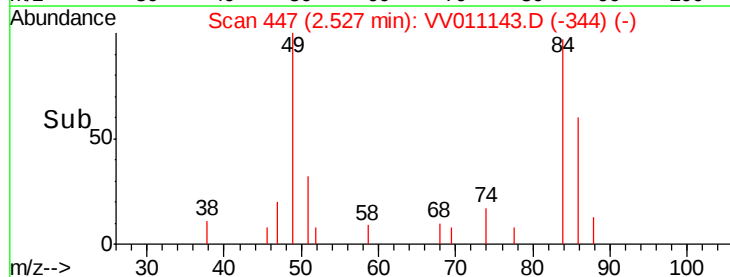
1500

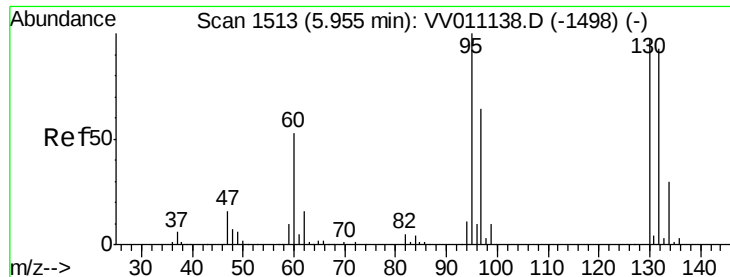
1000

500

0

Time-->





#35

Trichloroethene

Concen: 3.087 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampleId :

A51F5

Tgt Ion: 95 Resp: 1611

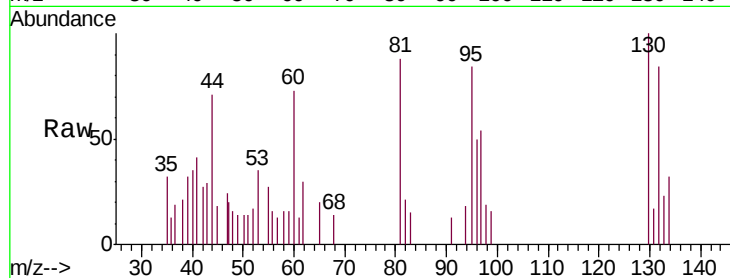
Ion Ratio Lower Upper

95 100

97 76.8 44.4 82.5

132 81.5 66.0 122.6

130 95.0 67.4 125.2



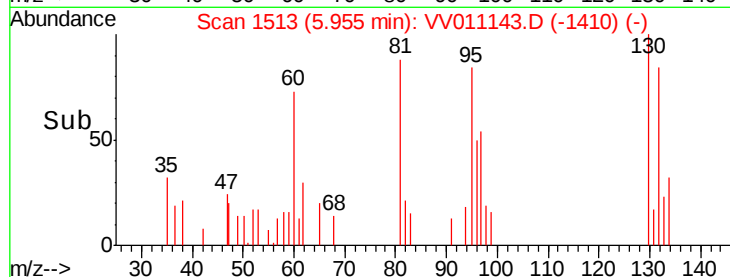
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->



Abundance

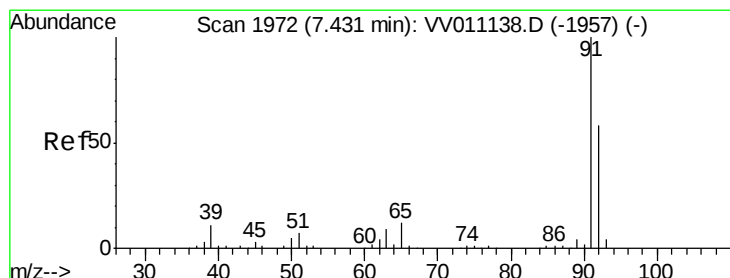
Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->



#44

Toluene

Concen: 2.607 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011143.D

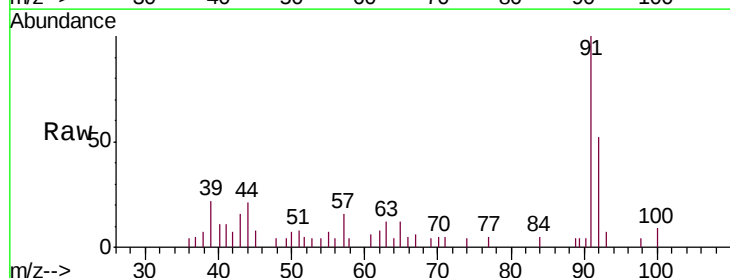
Acq: 30 May 2019 18:40

Tgt Ion: 91 Resp: 5663

Ion Ratio Lower Upper

91 100

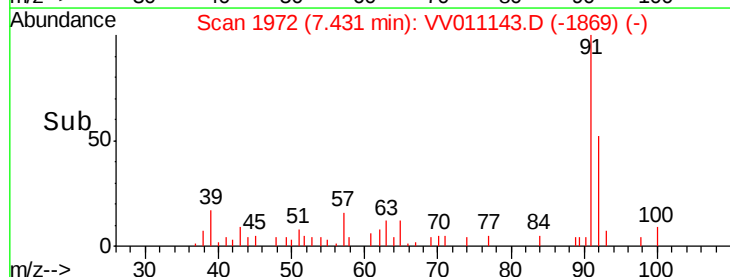
92 52.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

Time-->

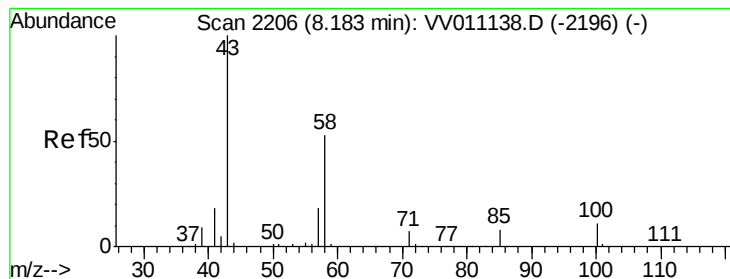


Abundance

Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

Time-->



#49

2-Hexanone

Concen: 8.877 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampleId :

A51F5

Tgt Ion: 43 Resp: 3040

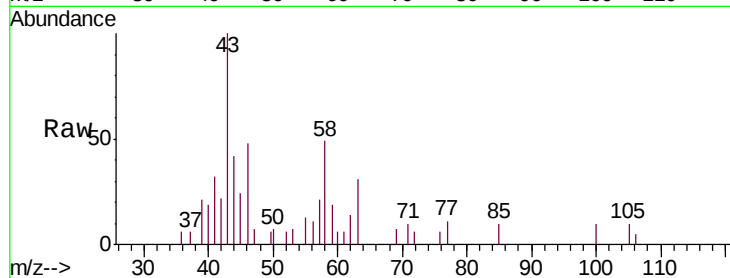
Ion Ratio Lower Upper

43 100

58 24.7 41.2 61.8#

57 5.6 14.3 21.5#

100 6.0 9.1 13.7#

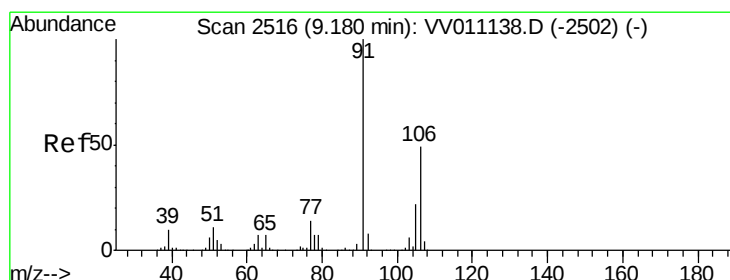
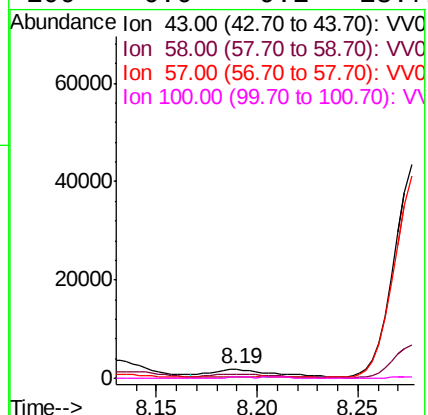
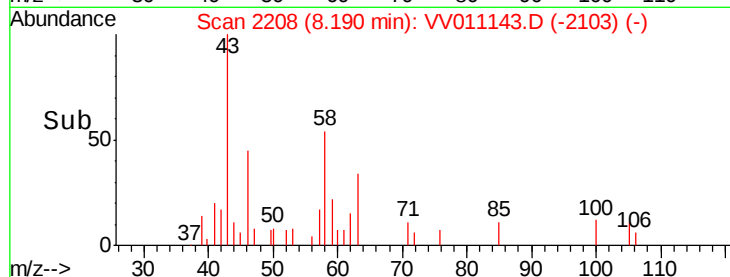


Abundance Ion 43.00 (42.70 to 43.70): VV011143.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV011143.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV011143.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV011143.D (-2196) (-)



#54

m,p-Xylene

Concen: 2.130 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011143.D

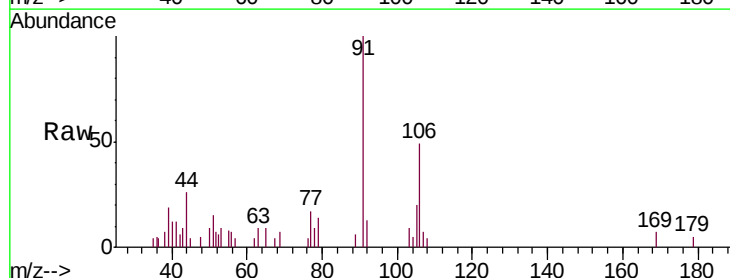
Acq: 30 May 2019 18:40

Tgt Ion: 106 Resp: 1975

Ion Ratio Lower Upper

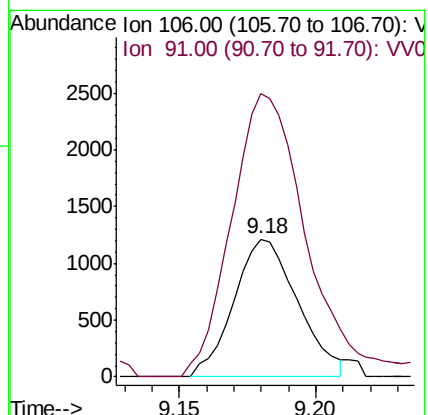
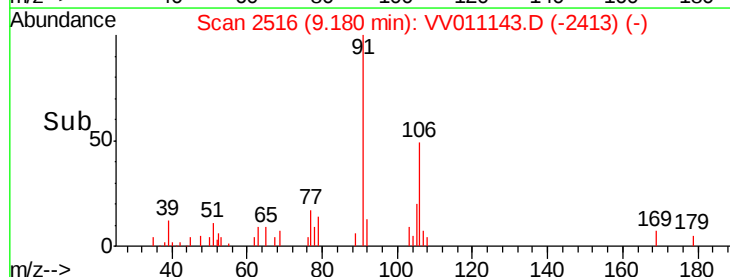
106 100

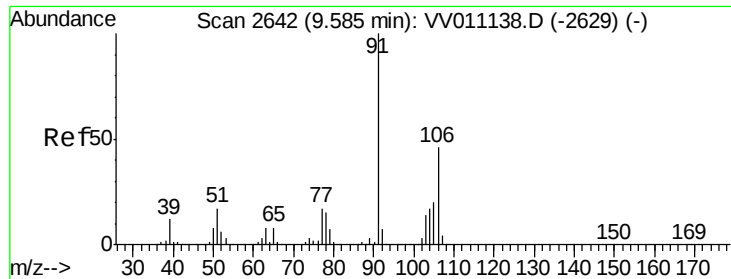
91 205.7 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VV011143.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV011143.D (-2502) (-)





#55

o-xylene

Concen: 1.495 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampled :

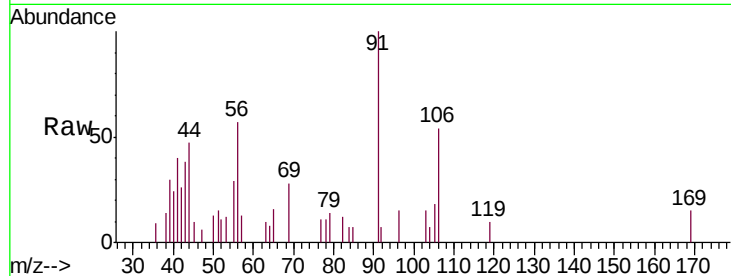
A51F5

Tgt Ion:106 Resp: 1363

Ion Ratio Lower Upper

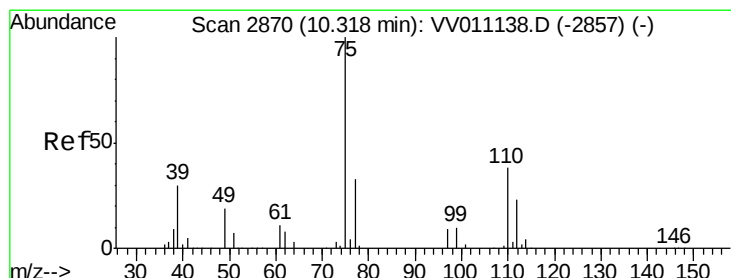
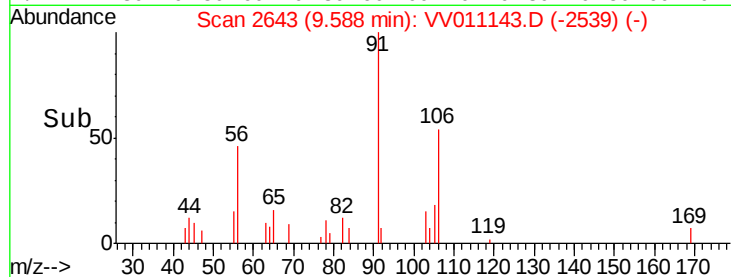
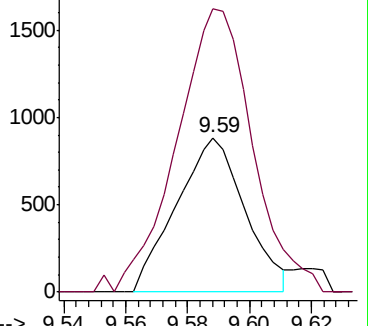
106 100

91 183.7 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): VV011138.D (-2629) (-)

Ion 91.00 (90.70 to 91.70): VV011138.D (-2629) (-)



#59

1,2,3-Trichloropropane

Concen: 1.090 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.91 min

Lab File: VV011143.D

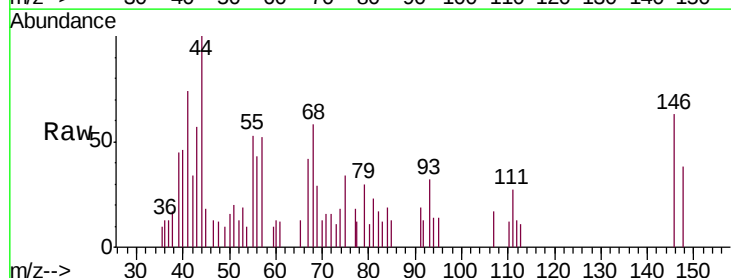
Acq: 30 May 2019 18:40

Tgt Ion: 75 Resp: 457

Ion Ratio Lower Upper

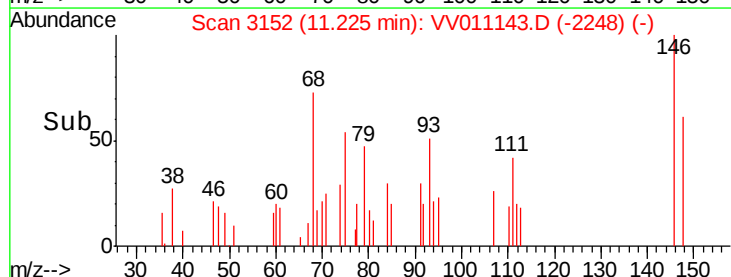
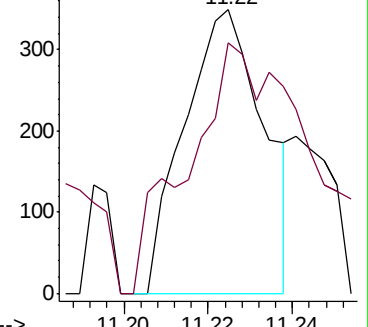
75 100

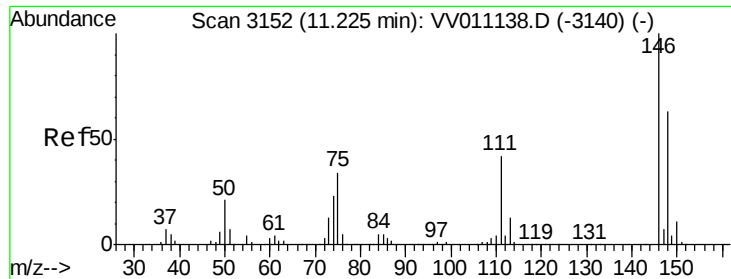
77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV011138.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011138.D (-2857) (-)





#63

1,3-Dichlorobenzene

Concen: 0.638 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

Instrument :

MSVOA_V

ClientSampled :

A51F5

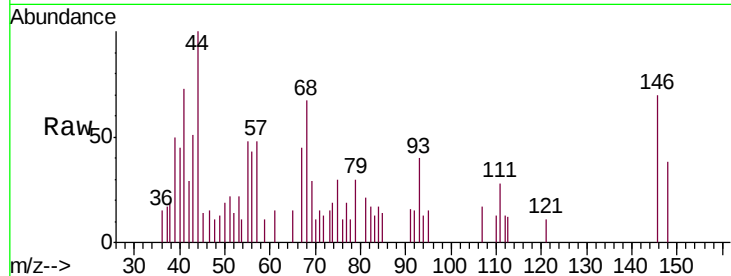
Tgt Ion:146 Resp: 815

Ion Ratio Lower Upper

146 100

111 40.3 29.9 55.5

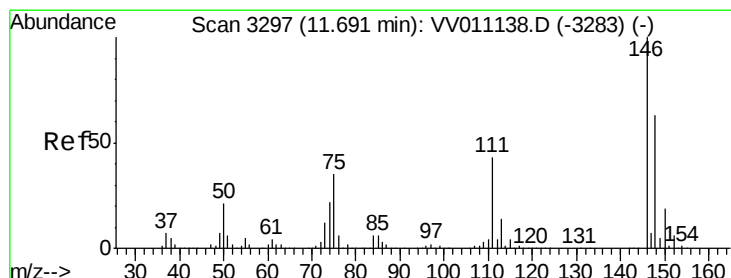
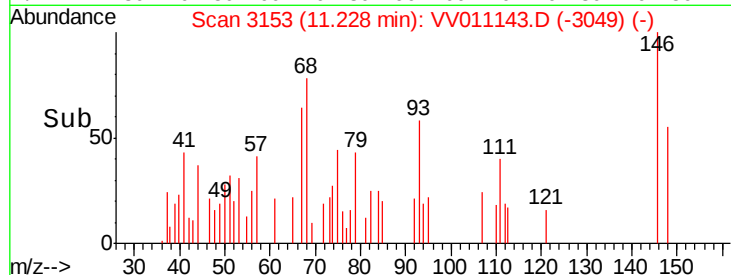
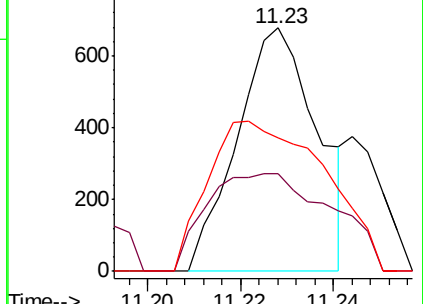
148 54.7 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.292 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV011143.D

Acq: 30 May 2019 18:40

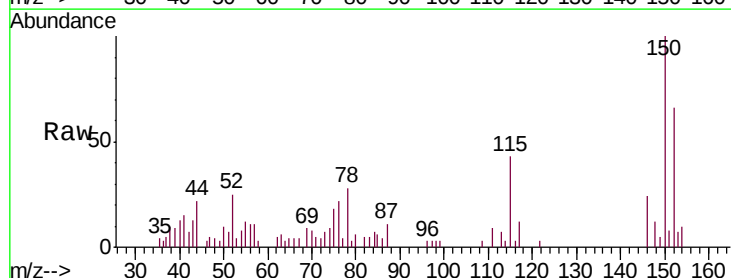
Tgt Ion:146 Resp: 1562

Ion Ratio Lower Upper

146 100

111 35.9 34.8 52.2

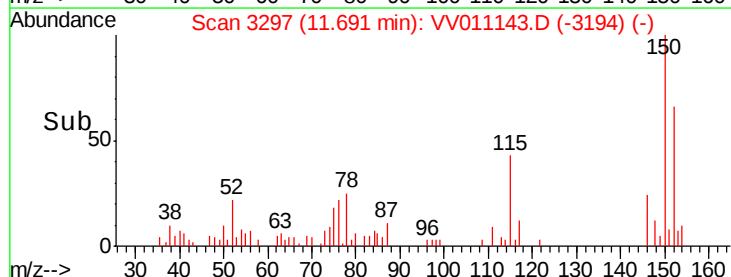
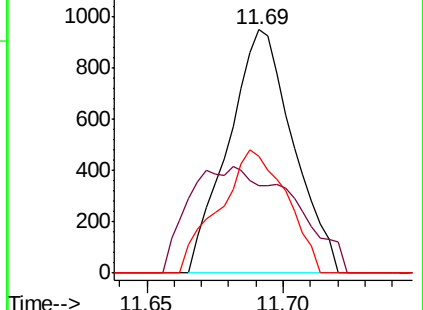
148 47.8 51.0 76.6#

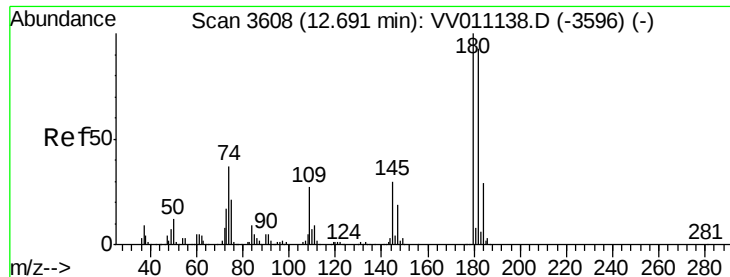


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

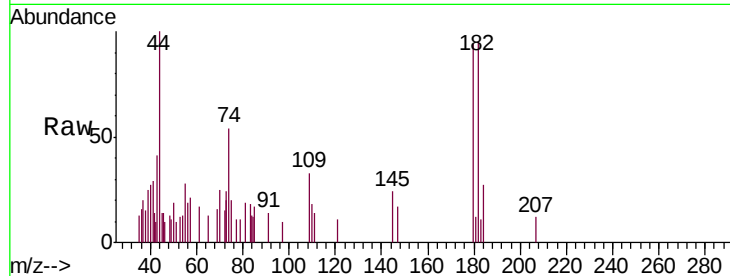




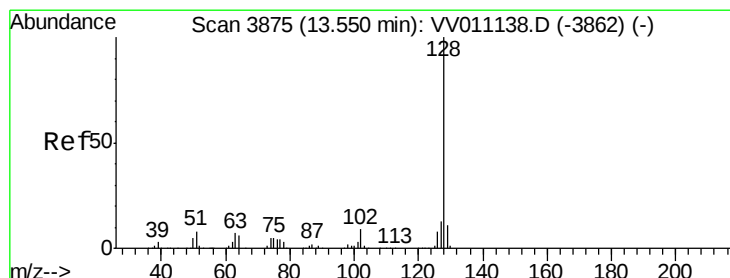
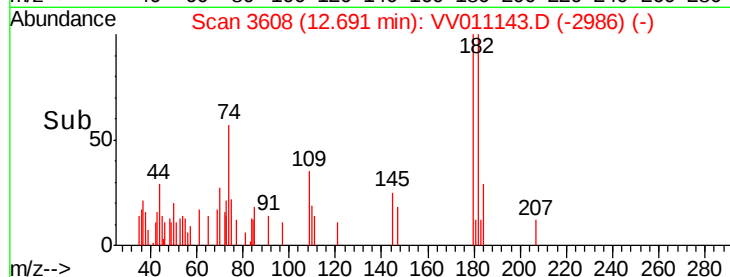
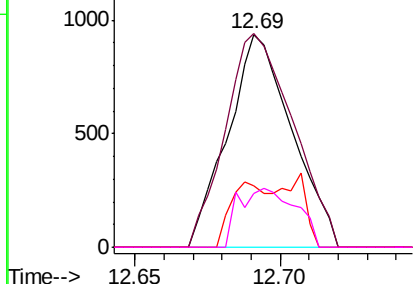
#67
 1,3,5-Trichlorobenzene
 Concen: 1.506 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011143.D
 Acq: 30 May 2019 18:40

Instrument :
 MSVOA_V
 ClientSampleId :
 A51F5

Tgt Ion:180 Resp: 1437
 Ion Ratio Lower Upper
 180 100
 182 105.9 75.3 112.9
 184 15.8 24.3 36.5#
 145 19.2 24.2 36.4#

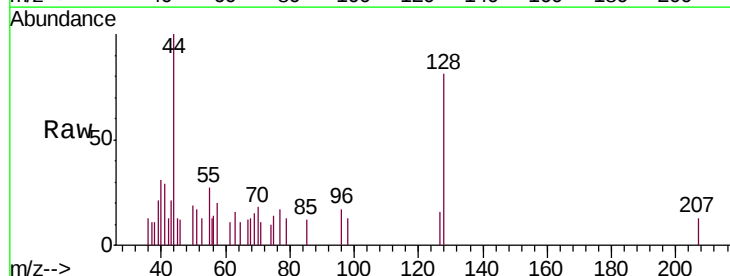


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 0.839 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV011143.D
 Acq: 30 May 2019 18:40

Tgt Ion:128 Resp: 1321
 Ion Ratio Lower Upper
 128 100
 129 6.7 8.6 13.0#
 127 11.8 10.6 16.0



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

