

Data File : VV009080.D
Acq On : 20 Dec 2018 13:16
Operator : SY/MD
Sample : J6471-05
Misc : 5.18 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9H14

Quant Time: Dec 21 00:28:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146864	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	101839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	29146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40555	26.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.76%
7) Chloroethane-d5	1.58	69	38128	33.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	135.84%
10) 1,1-Dichloroethene-d2	2.13	63	74540	19.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.48%
20) 2-Butanone-d5	3.95	46	6142	11.10	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	22.20%
24) Chloroform-d	4.40	84	98203	27.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.24%
26) 1,2-Dichloroethane-d4	5.08	65	57685	29.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.76%
29) Benzene-d6	5.10	84	180702	31.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	127.08%
33) 1,2-Dichloropropane-d6	6.12	67	56202	35.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	141.20%#
37) Toluene-d8	7.36	98	143212	27.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.84%
38) trans-1,3-Dichloropropene-	7.67	79	10899	15.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	62.32%
39) 2-Hexanone-d5	8.14	63	3523	12.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38450	28.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.16%
61) 1,2-Dichlorobenzene-d4	11.68	152	27209	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

					Qvalue
13) Acetone	2.20	43	3744	4.593 ug/L	95
16) Methylene chloride	2.53	84	7314	2.957 ug/L	98
21) 2-Butanone	4.00	43	10832	14.177 ug/L #	48
25) Chloroform	4.42	83	3245	0.912 ug/L	99
40) 1,2-Dichloropropane	6.12	63	6326	4.320 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	730	0.341 ug/L #	77
43) 4-Methyl-2-pentanone	7.28	43	1658	1.675 ug/L #	45
49) 2-Hexanone	8.19	43	8288	10.122 ug/L #	58
56) Styrene	9.61	104	932	0.237 ug/L	86
63) 1,3-Dichlorobenzene	11.23	146	865	0.461 ug/L	83
64) 1,4-Dichlorobenzene	11.32	146	1142	0.591 ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	894	0.516 ug/L #	88
67) 1,3,5-Trichlorobenzene	12.70	180	495	0.365 ug/L #	75
68) 1,2,4-trichlorobenzene	13.31	180	481	0.506 ug/L #	86
69) Naphthalene	13.56	128	1734	1.059 ug/L #	78
70) 1,2,3-Trichlorobenzene	13.80	180	587	0.669 ug/L #	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration

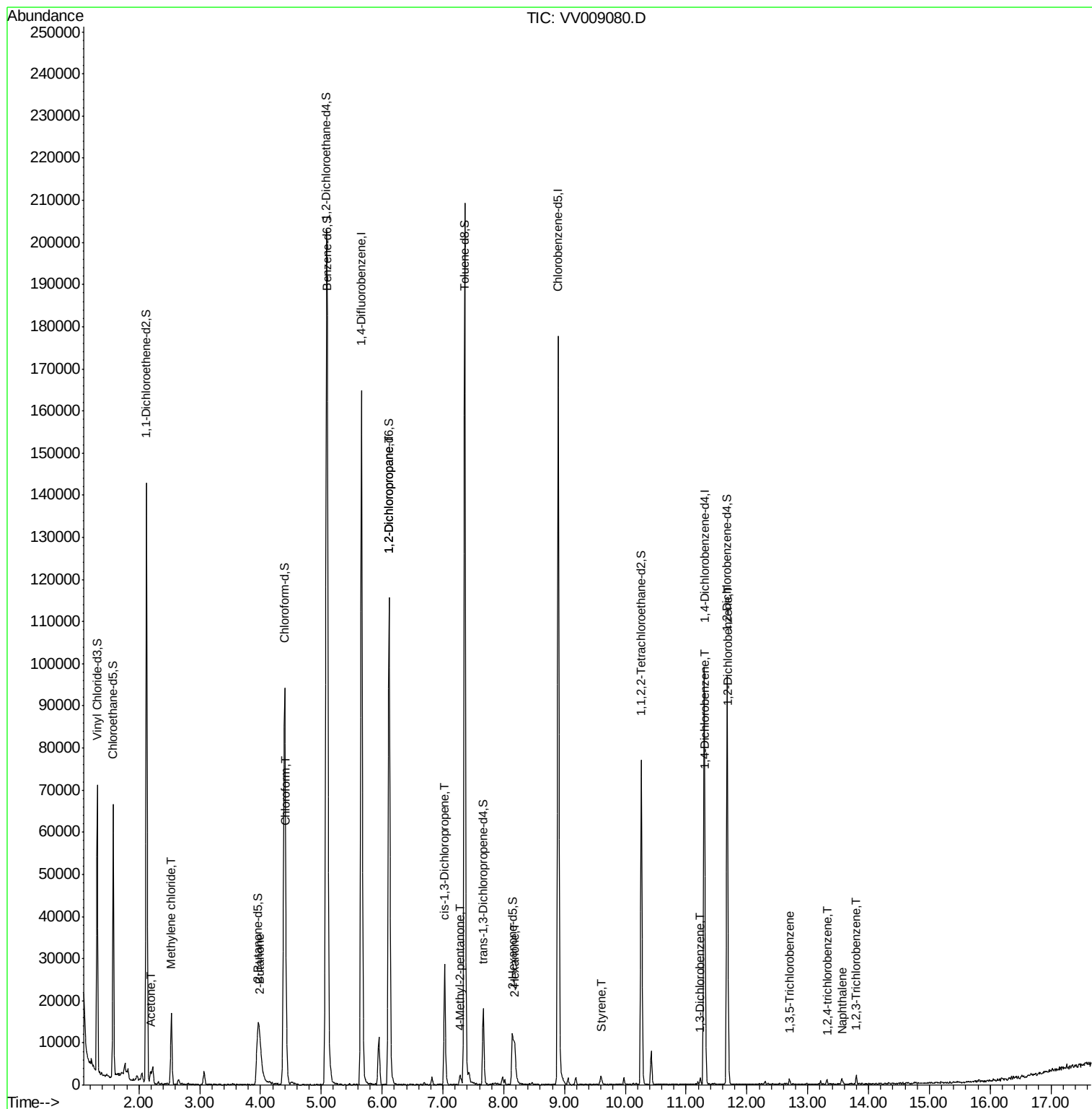
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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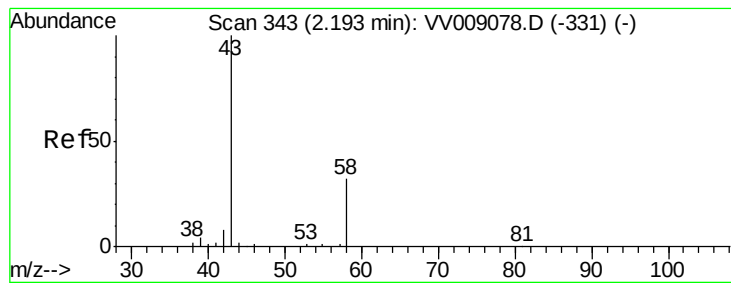
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.593 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

Instrument :

MSVOA_V

ClientSampleId :

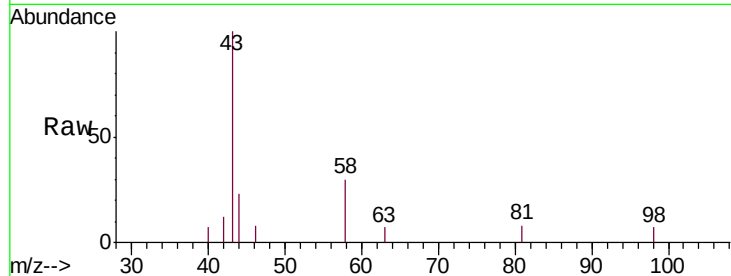
F9H14

Tgt Ion: 43 Resp: 3744

Ion Ratio Lower Upper

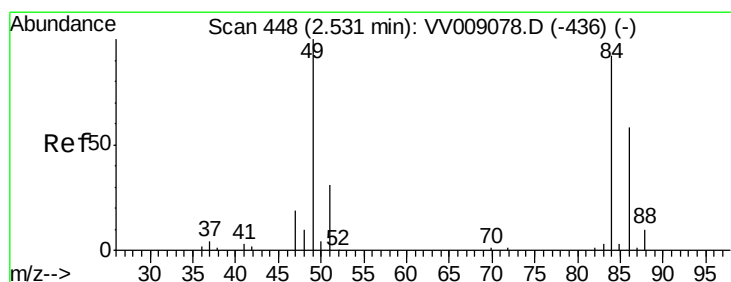
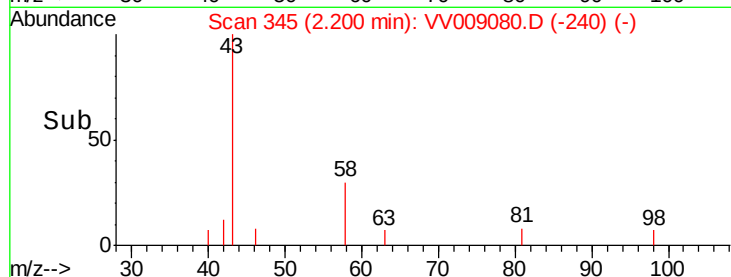
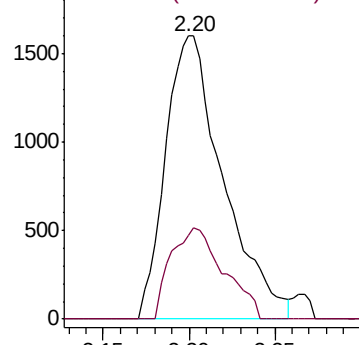
43 100

58 29.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009078.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009078.D (-331) (-)



#16

Methylene chloride

Concen: 2.957 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

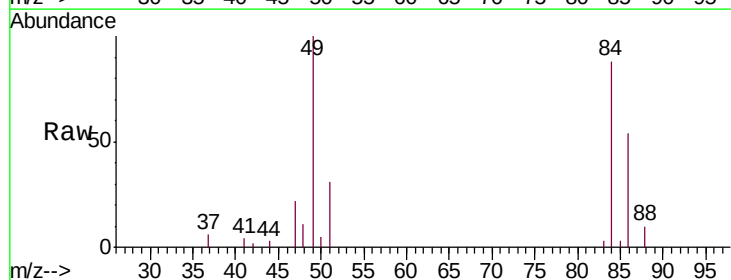
Tgt Ion: 84 Resp: 7314

Ion Ratio Lower Upper

84 100

49 114.1 80.5 149.5

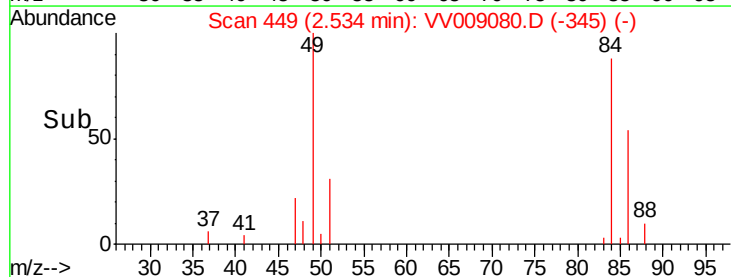
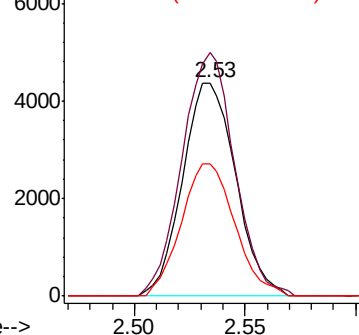
86 62.0 45.5 84.5

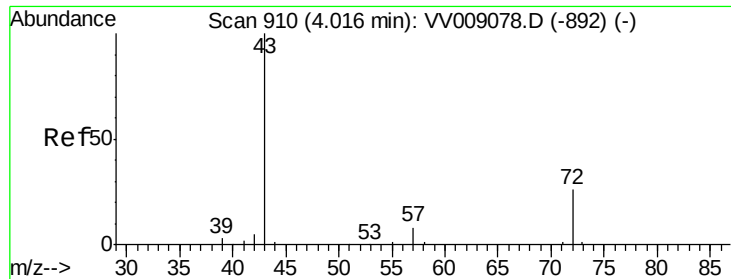


Abundance Ion 84.00 (83.70 to 84.70): VV009078.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009078.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009078.D (-436) (-)





#21

2-Butanone

Concen: 14.177 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.02 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

Instrument :

MSVOA_V

ClientSampled :

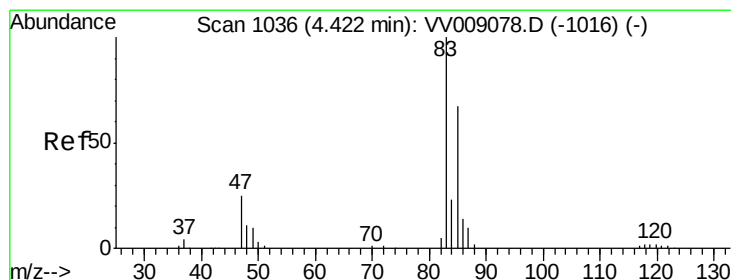
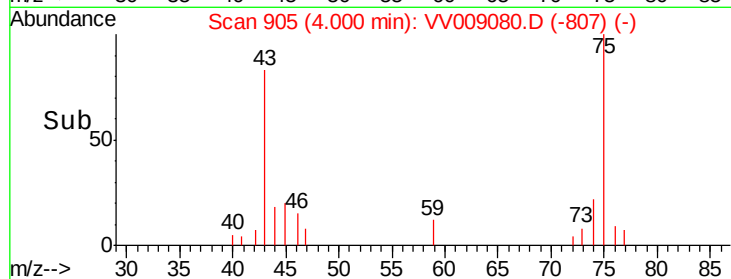
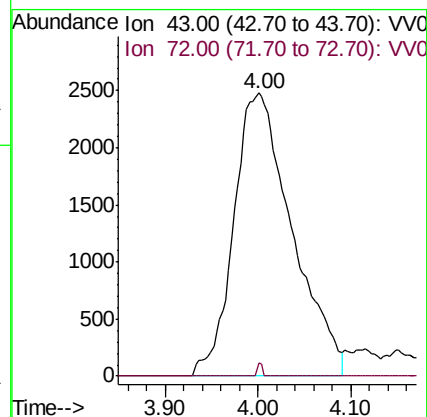
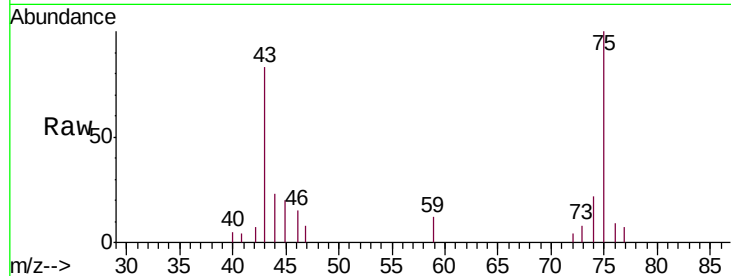
F9H14

Tgt Ion: 43 Resp: 10832

Ion Ratio Lower Upper

43 100

72 0.4 13.7 41.1#



#25

Chloroform

Concen: 0.912 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV009080.D

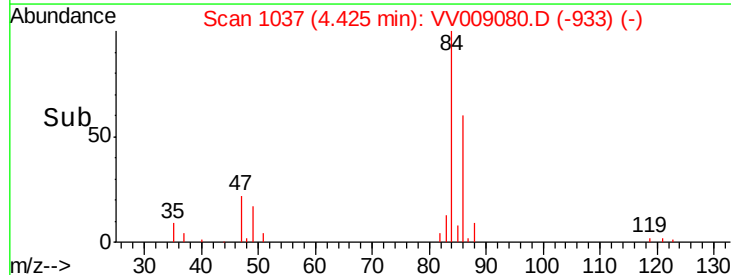
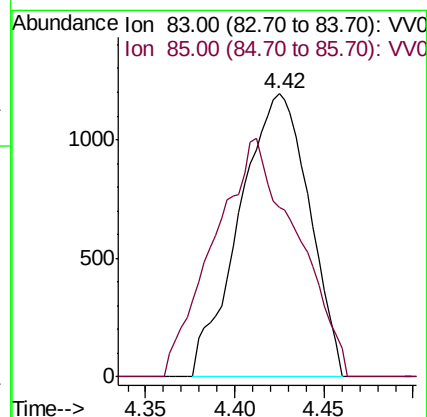
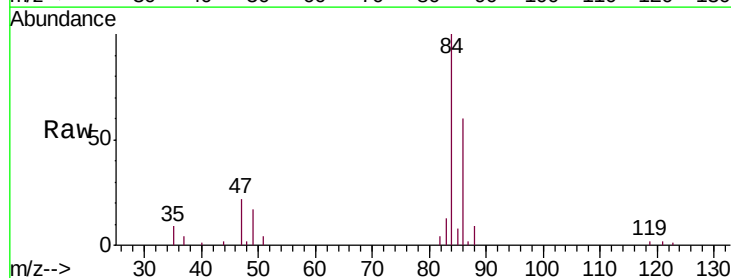
Acq: 20 Dec 2018 13:16

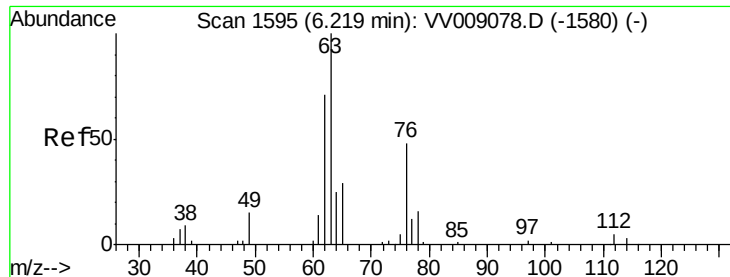
Tgt Ion: 83 Resp: 3245

Ion Ratio Lower Upper

83 100

85 64.2 45.6 84.8

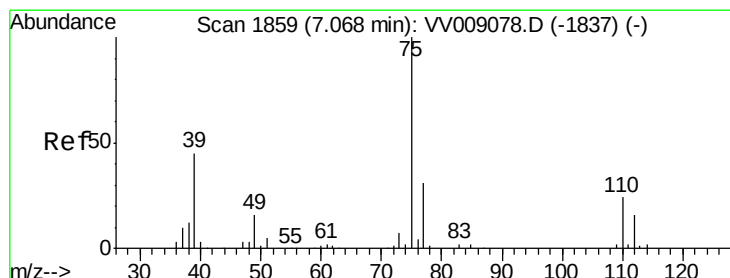
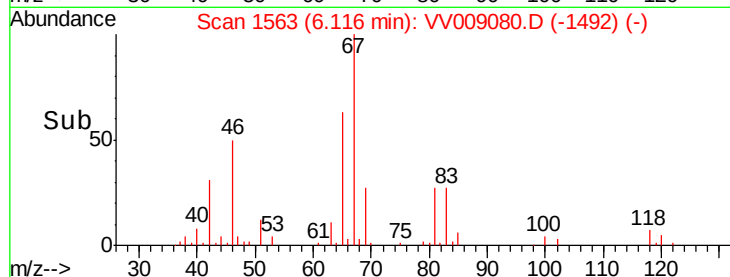
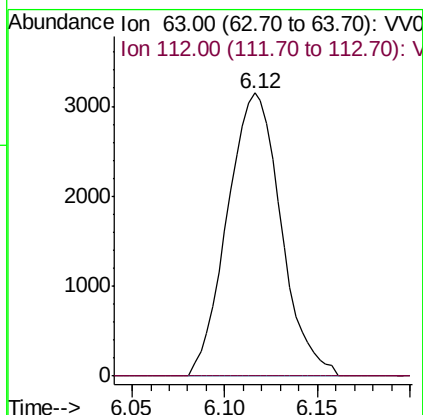
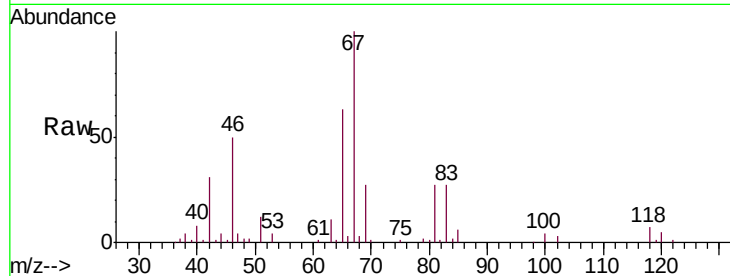




#40
 1,2-Dichloropropane
 Concen: 4.320 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009080.D
 Acq: 20 Dec 2018 13:16

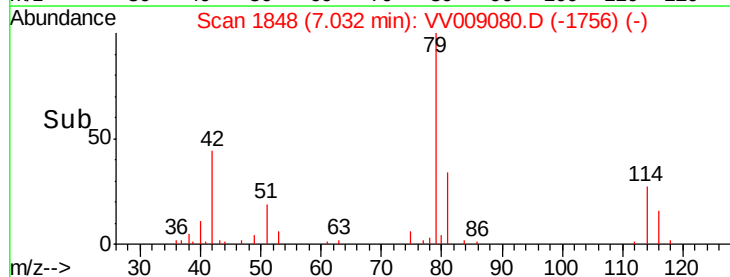
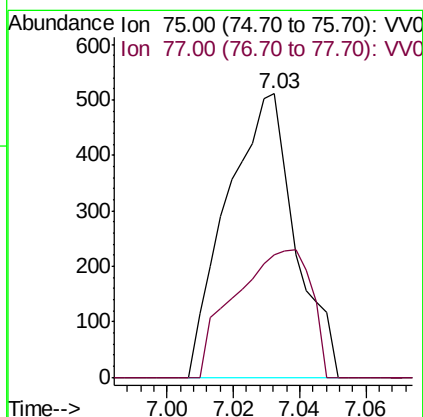
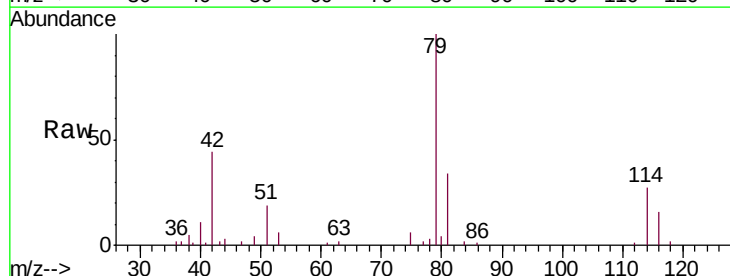
Instrument :
 MSVOA_V
 ClientSampleId :
 F9H14

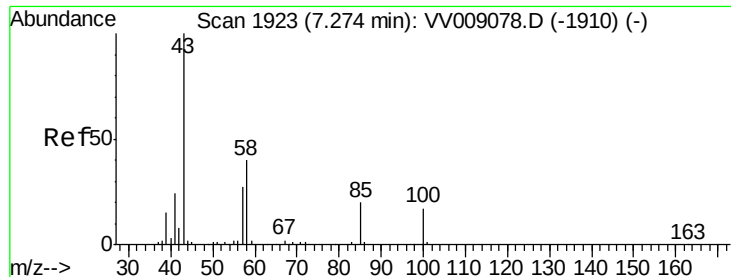
Tgt Ion: 63 Resp: 6326
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.341 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009080.D
 Acq: 20 Dec 2018 13:16

Tgt Ion: 75 Resp: 730
 Ion Ratio Lower Upper
 75 100
 77 43.2 21.3 39.6#

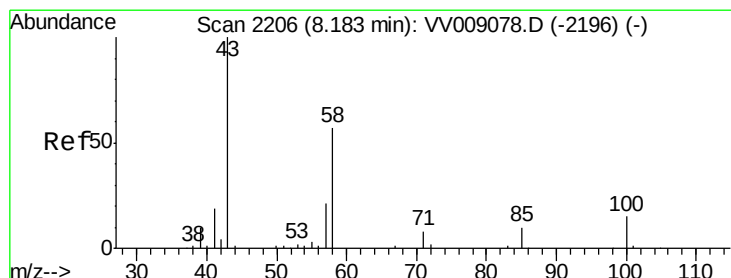
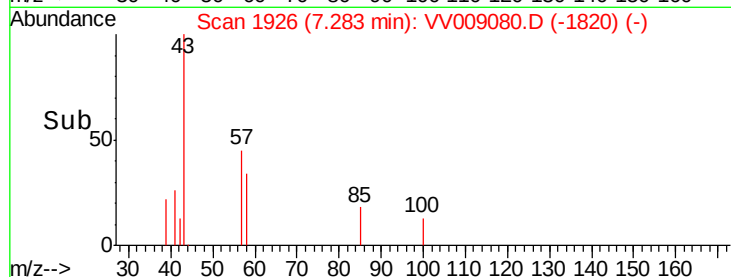
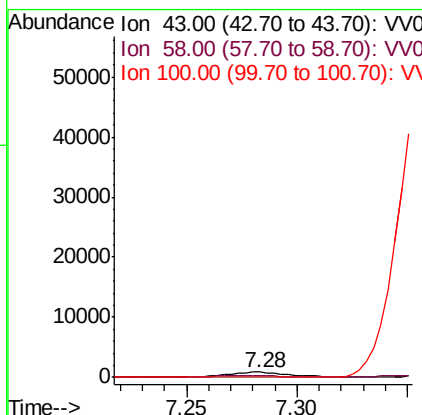
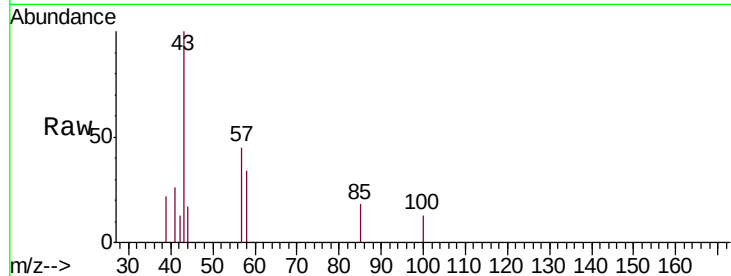




#43
 4-Methyl-2-pentanone
 Concen: 1.675 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV009080.D
 Acq: 20 Dec 2018 13:16

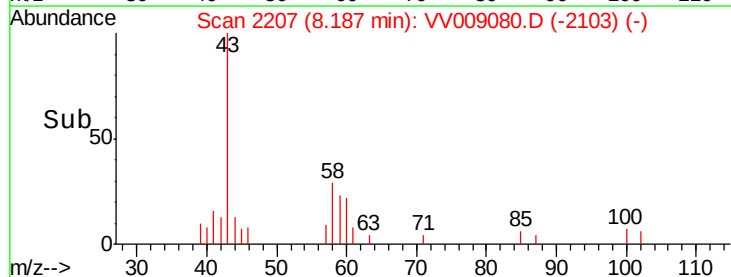
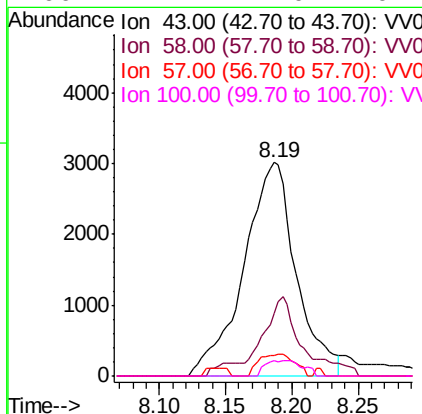
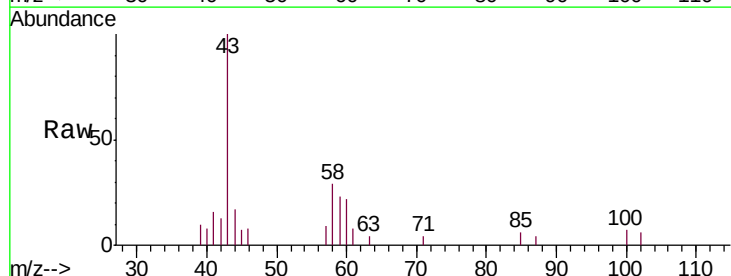
Instrument :
 MSVOA_V
 ClientSampled :
 F9H14

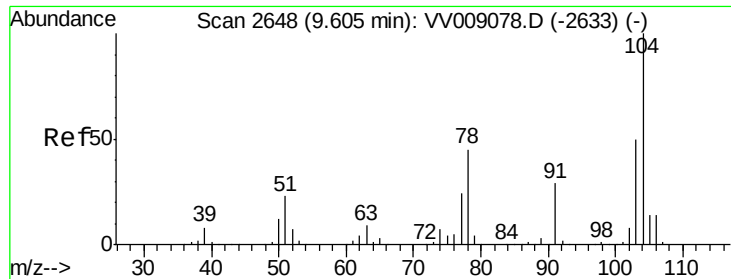
Tgt Ion: 43 Resp: 1658
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.2 48.4#
 100 3.9 13.8 20.8#



#49
 2-Hexanone
 Concen: 10.122 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV009080.D
 Acq: 20 Dec 2018 13:16

Tgt Ion: 43 Resp: 8288
 Ion Ratio Lower Upper
 43 100
 58 18.4 43.9 65.9#
 57 7.0 15.7 23.5#
 100 2.1 11.0 16.4#





#56

Styrene

Concen: 0.237 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.01 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

Instrument :

MSVOA_V

ClientSampled :

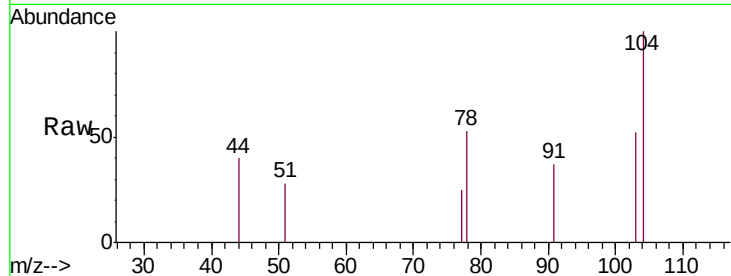
F9H14

Tgt Ion:104 Resp: 932

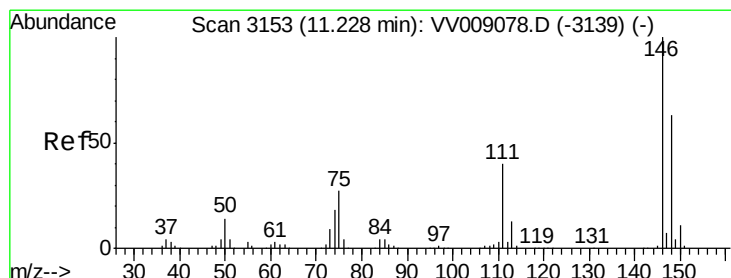
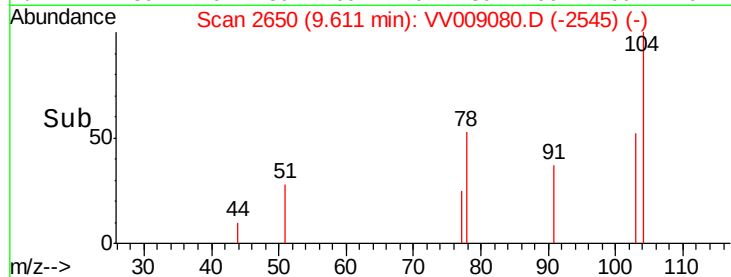
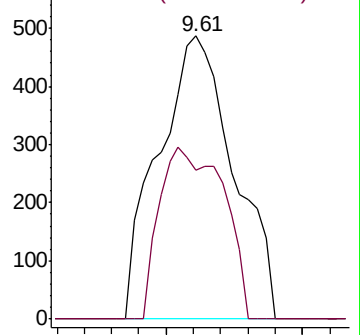
Ion Ratio Lower Upper

104 100

78 52.8 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V



#63

1,3-Dichlorobenzene

Concen: 0.461 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

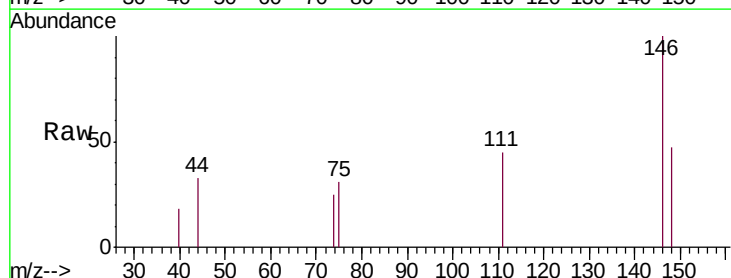
Tgt Ion:146 Resp: 865

Ion Ratio Lower Upper

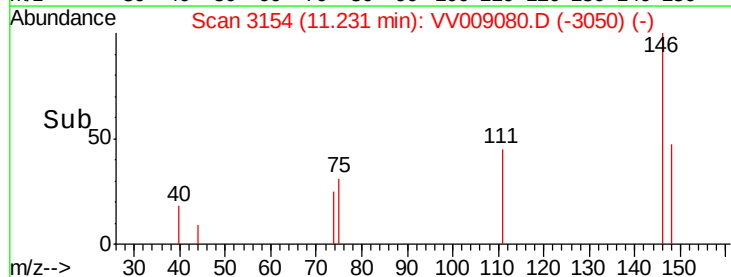
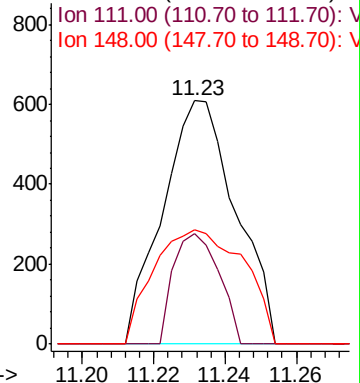
146 100

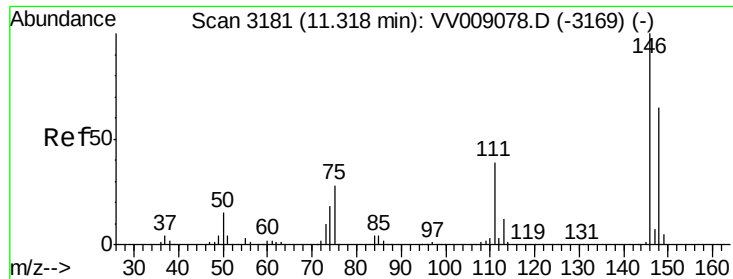
111 45.3 27.5 51.1

148 46.8 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V





#64

1,4-Dichlorobenzene

Concen: 0.591 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

Instrument :

MSVOA_V

ClientSampled :

F9H14

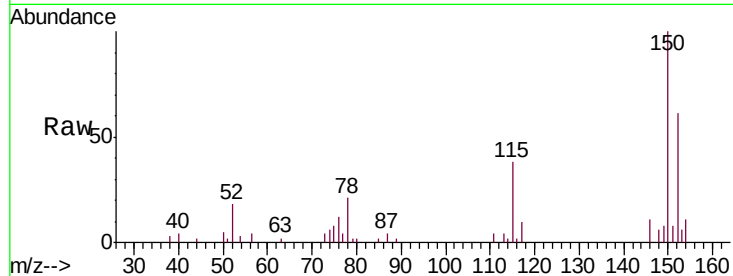
Tgt Ion:146 Resp: 1142

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

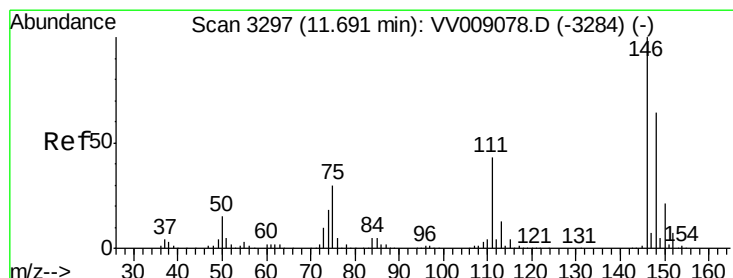
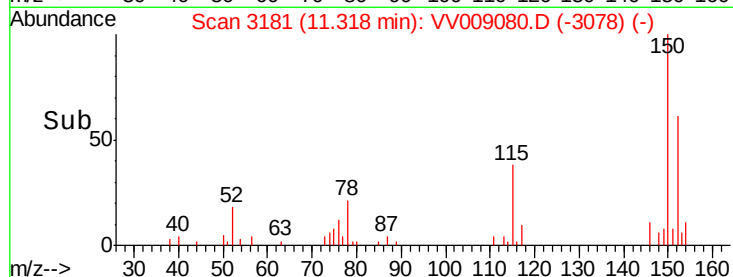
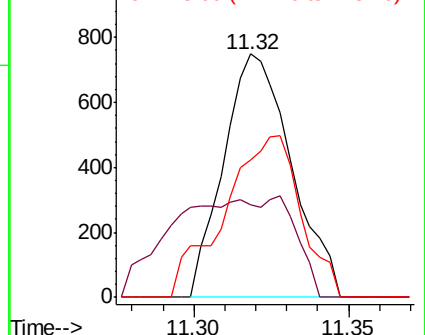
148 56.6 45.8 85.0



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: 0.516 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

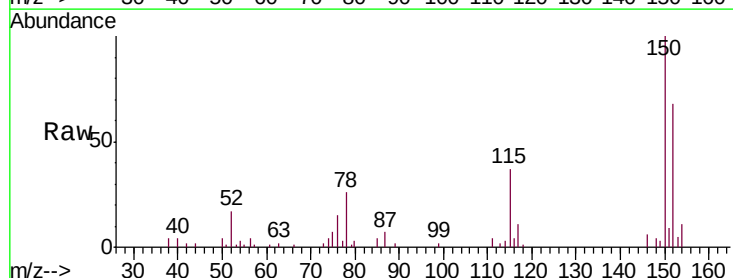
Tgt Ion:146 Resp: 894

Ion Ratio Lower Upper

146 100

111 59.3 34.2 51.4#

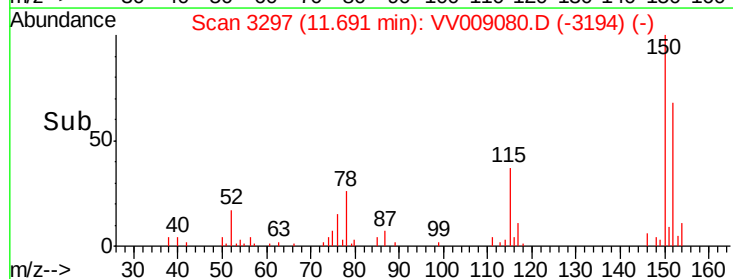
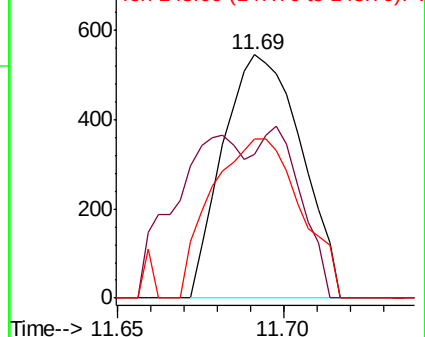
148 65.5 51.0 76.6

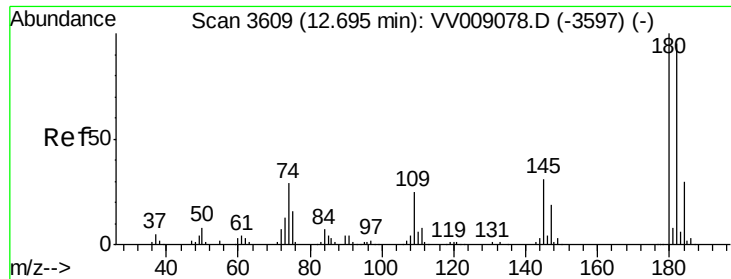


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

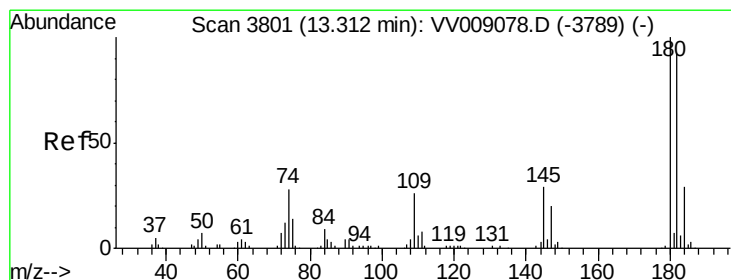
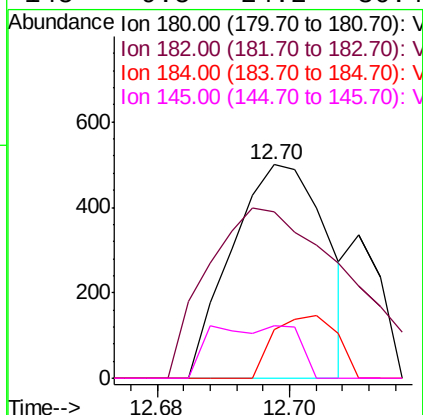
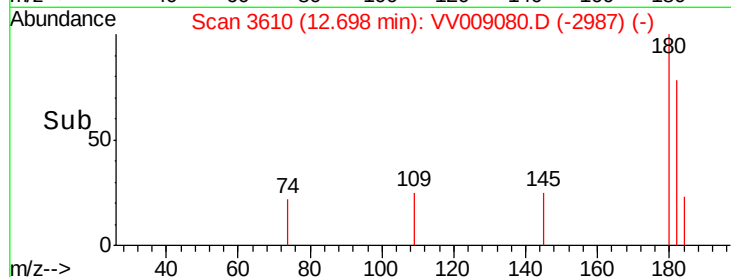
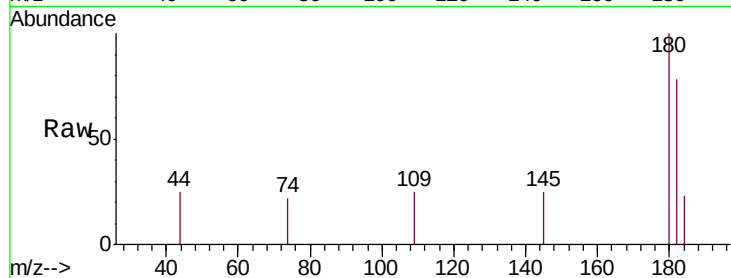




#67
 1,3,5-Trichlorobenzene
 Concen: 0.365 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV009080.D
 Acq: 20 Dec 2018 13:16

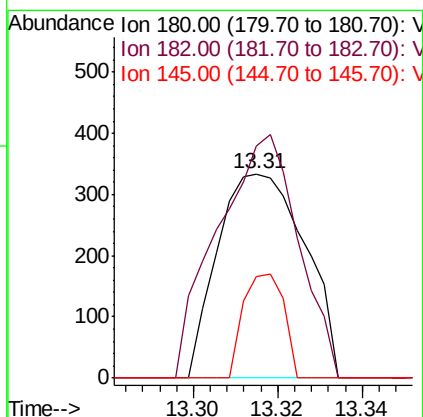
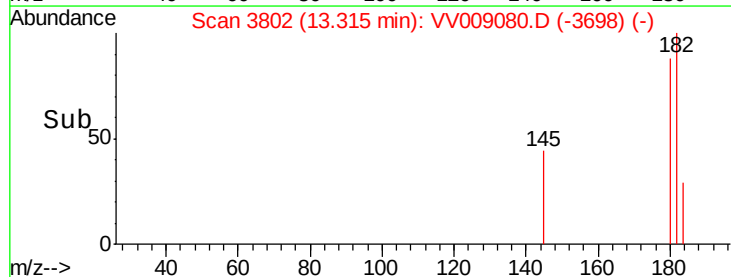
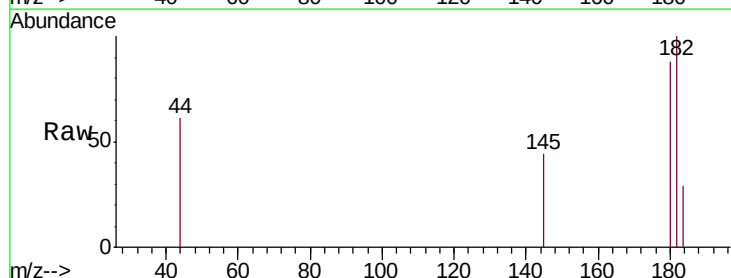
Instrument :
 MSVOA_V
 ClientSampleId :
 F9H14

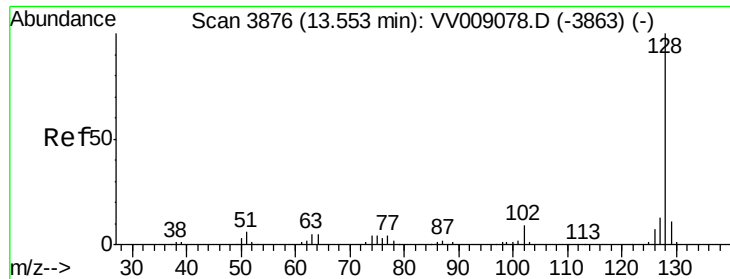
Tgt Ion:180 Resp: 495
 Ion Ratio Lower Upper
 180 100
 182 116.8 75.9 113.9#
 184 19.6 23.8 35.6#
 145 9.5 24.2 36.4#



#68
 1,2,4-trichlorobenzene
 Concen: 0.506 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009080.D
 Acq: 20 Dec 2018 13:16

Tgt Ion:180 Resp: 481
 Ion Ratio Lower Upper
 180 100
 182 110.6 77.4 116.0
 145 23.9 25.6 38.4#





#69

Naphthalene

Concen: 1.059 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

Instrument :

MSVOA_V

ClientSampled :

F9H14

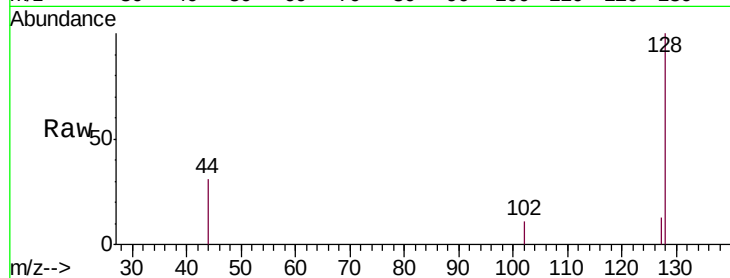
Tgt Ion:128 Resp: 1734

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

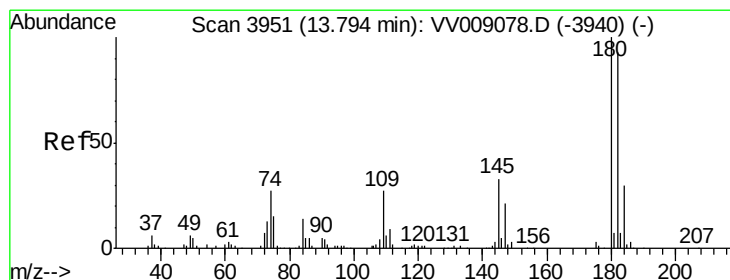
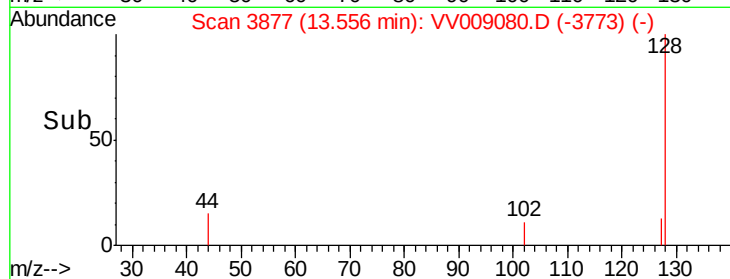
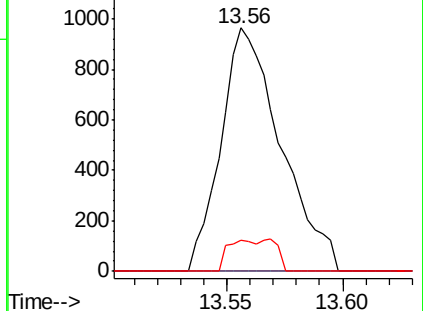
127 6.2 10.0 15.0#



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



#70

1,2,3-Trichlorobenzene

Concen: 0.669 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.01 min

Lab File: VV009080.D

Acq: 20 Dec 2018 13:16

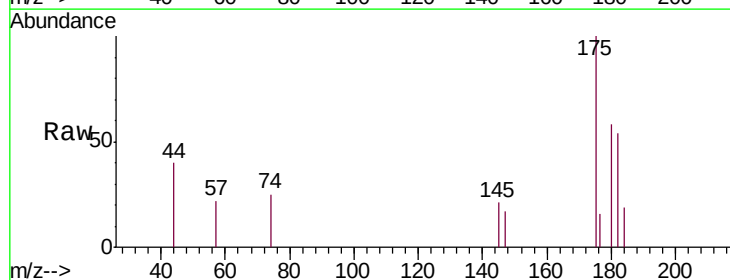
Tgt Ion:180 Resp: 587

Ion Ratio Lower Upper

180 100

182 83.5 76.1 114.1

145 12.3 26.7 40.1#



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

