

Data File : VV011822.D
Acq On : 03 Jul 2019 10:16
Operator : SY/MD
Sample : VV0703WBL01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK46

Quant Time: Jul 03 23:55:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 23:52:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162857	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153974	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64652	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57604	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.58	69	45435	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.13	63	84093	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	3.94	46	153985	56.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.78%
24) Chloroform-d	4.40	84	111619	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	61739	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.10	84	224173	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.12	67	69636	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.36	98	192748	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.66	79	21538	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.13	63	112775	55.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	44766	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	66603	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1048	0.098	ug/L #	32
16) Methylene chloride	2.53	84	1747	0.148	ug/L	88
25) Chloroform	4.43	83	3738	0.158	ug/L	97
35) Methylcyclohexane	6.12	83	17901	0.917	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	8234	0.701	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1819	0.116	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	1236	0.102	ug/L #	70
67) 1,3,5-Trichlorobenzene	12.69	180	629	0.041	ug/L #	81
69) Naphthalene	13.56	128	2347	0.118	ug/L #	85
70) 1,2,3-Trichlorobenzene	13.79	180	992	0.086	ug/L	84

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

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VBLK46

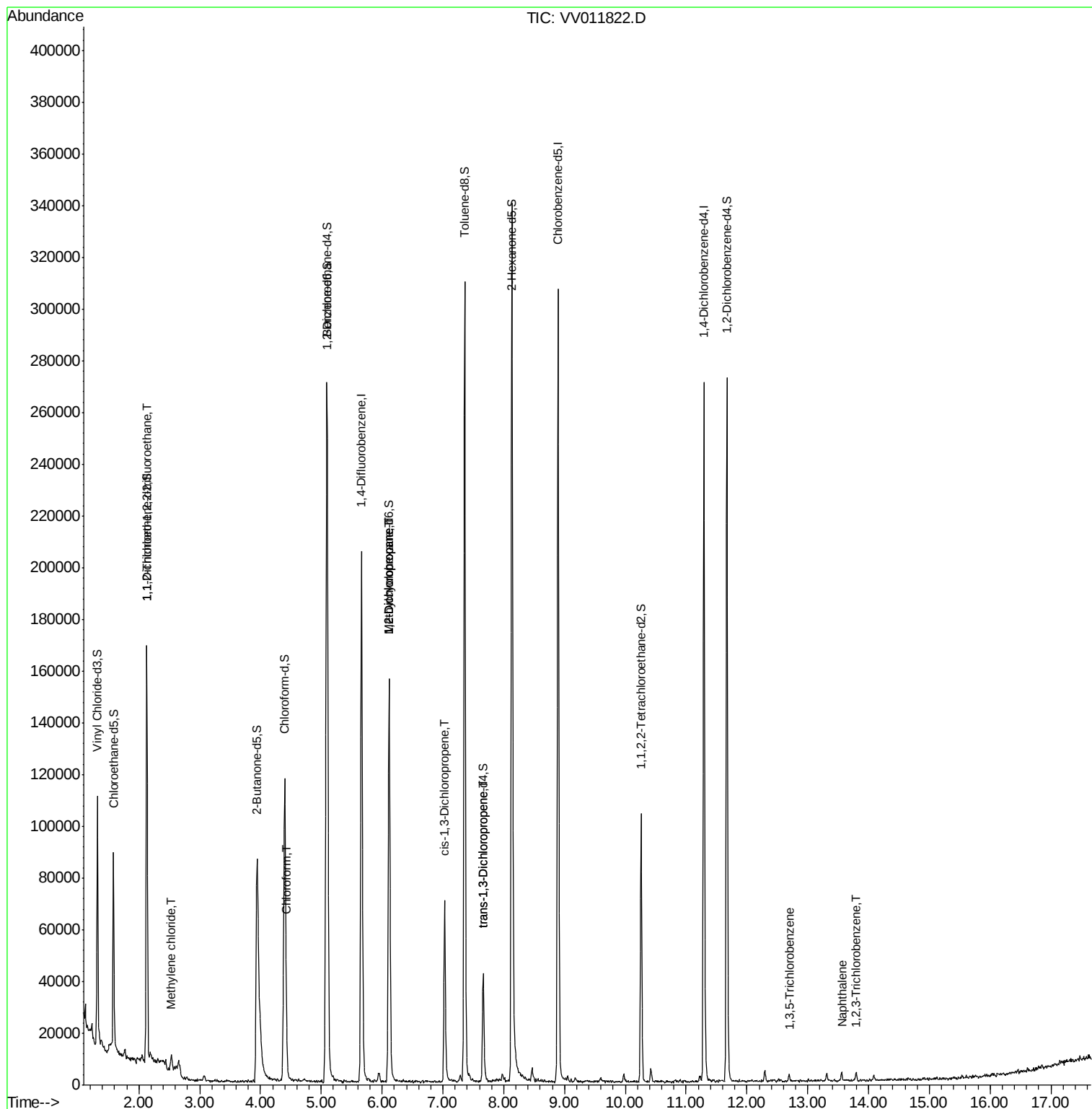
Quant Time: Jul 03 23:55:53 2019

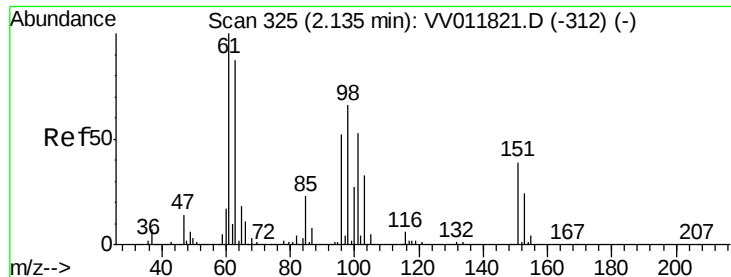
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 03 23:52:56 2019

Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.098 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

Instrument :

MSVOA_V

ClientSampleId :

VBLK46

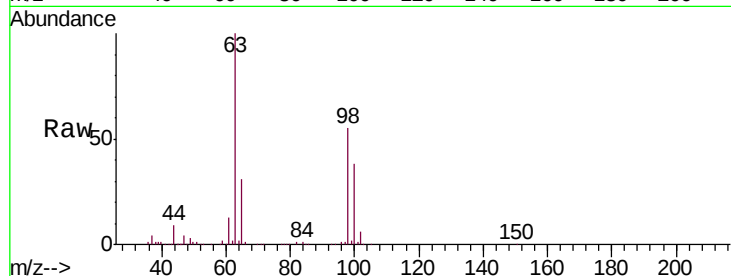
Tgt Ion: 101 Resp: 1048

Ion Ratio Lower Upper

101 100

85 20.3 34.8 52.2#

151 0.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.14

600

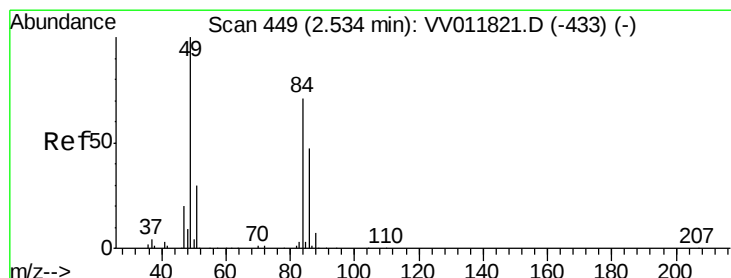
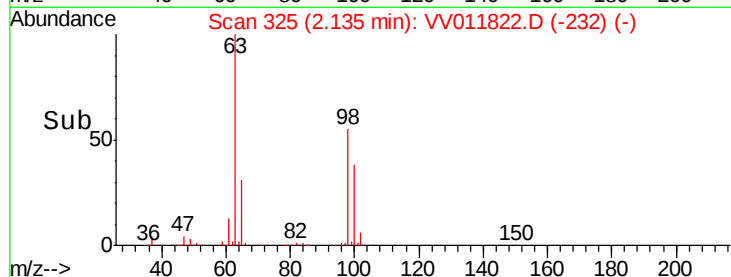
400

200

0

2.10 2.15

Time-->



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

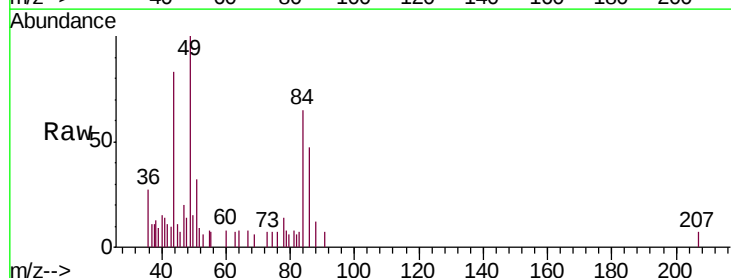
Tgt Ion: 84 Resp: 1747

Ion Ratio Lower Upper

84 100

86 72.7 44.5 82.7

49 153.4 97.2 180.6



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2000

1500

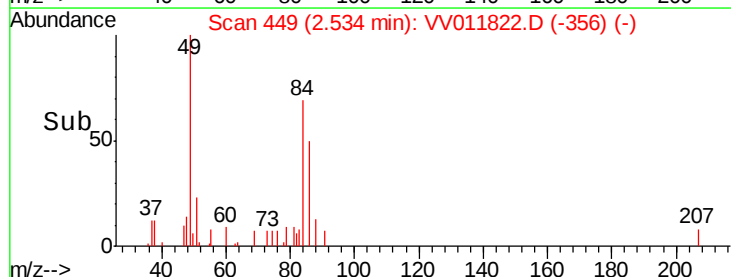
1000

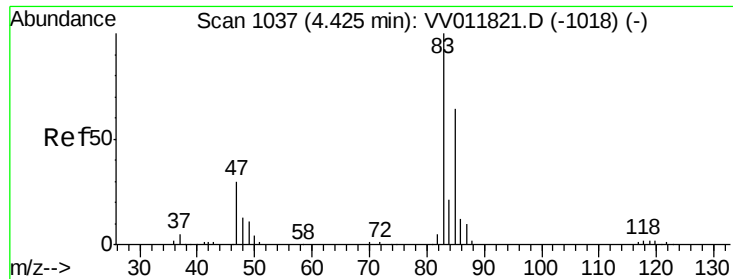
500

0

2.50 2.55

Time-->

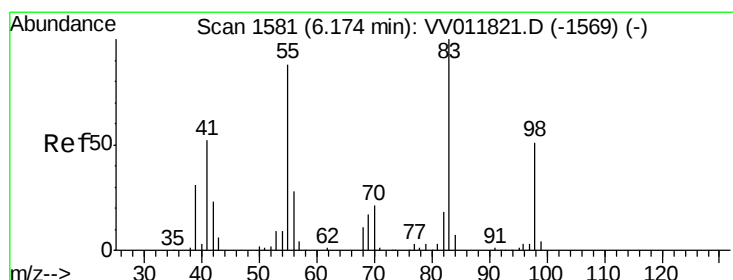
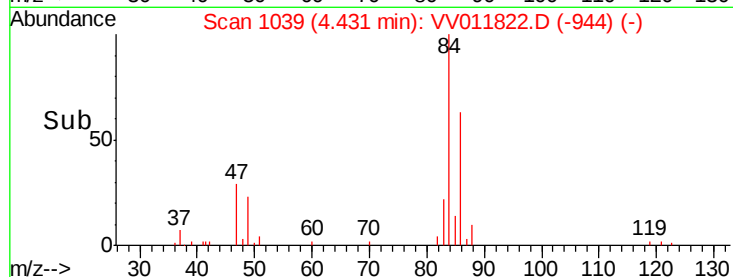
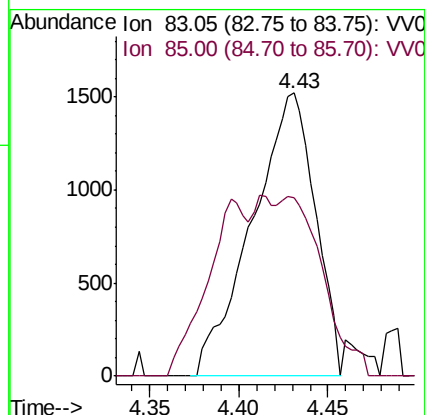
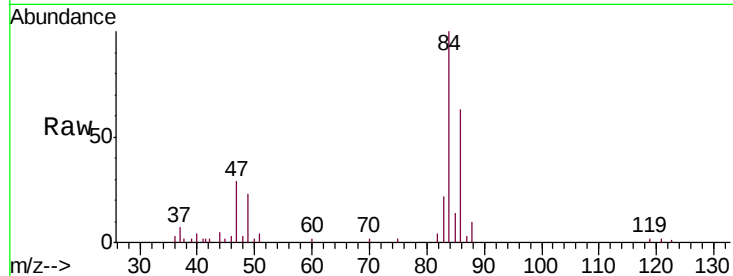




#25
Chloroform
Concen: 0.158 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV011822.D
Acq: 03 Jul 2019 10:16

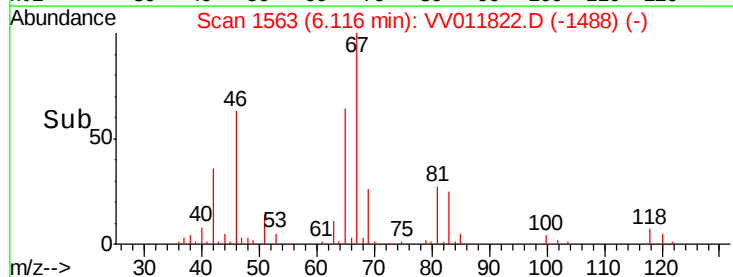
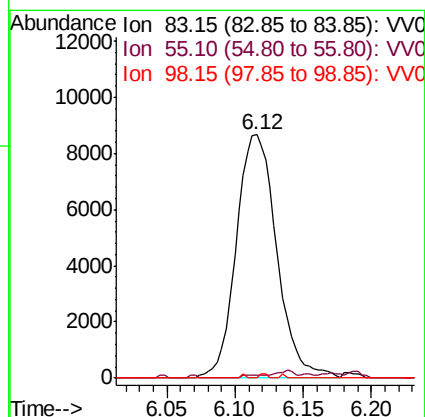
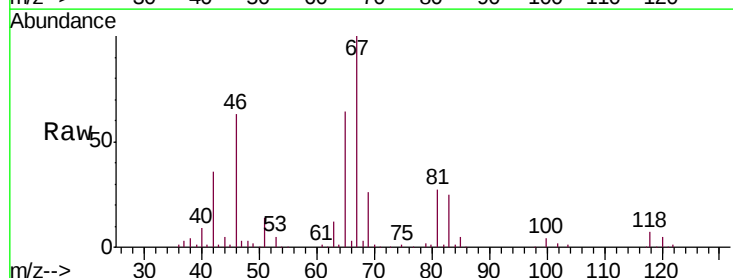
Instrument :
MSVOA_V
ClientSampleId :
VBLK46

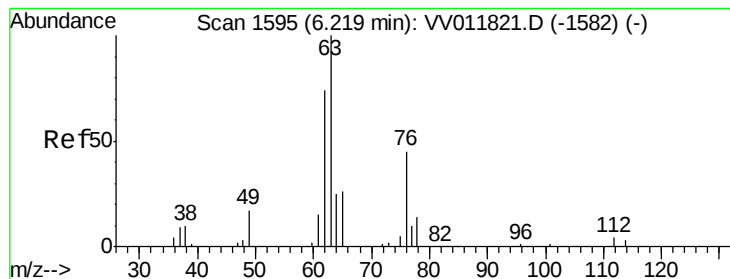
Tgt Ion: 83 Resp: 3738
Ion Ratio Lower Upper
83 100
85 63.2 45.9 85.3



#35
Methylcyclohexane
Concen: 0.917 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011822.D
Acq: 03 Jul 2019 10:16

Tgt Ion: 83 Resp: 17901
Ion Ratio Lower Upper
83 100
55 0.0 67.8 101.6#
98 0.3 39.8 59.8#





#37

1,2-Dichloropropane

Concen: 0.701 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

Instrument :

MSVOA_V

ClientSampleId :

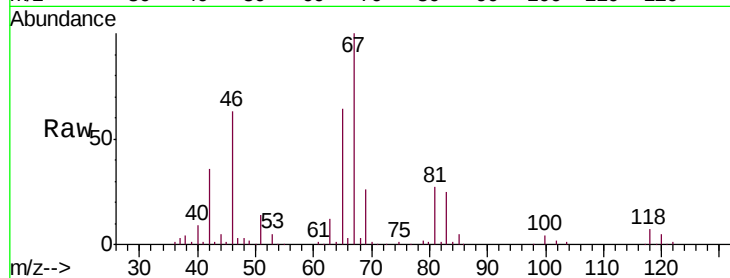
VBLK46

Tgt Ion: 63 Resp: 8234

Ion Ratio Lower Upper

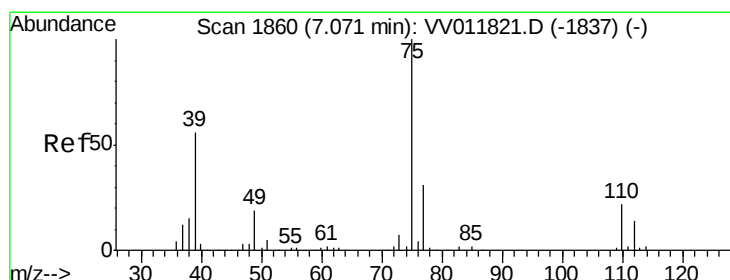
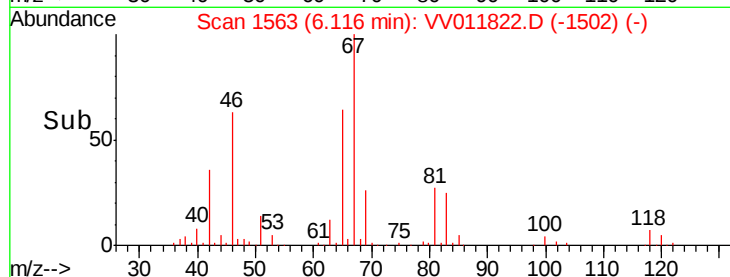
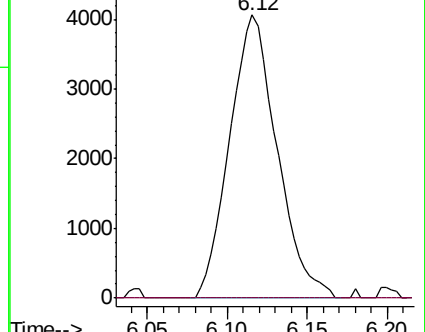
63 100

112 0.5 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VV011822.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV011822.D (-1502) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.116 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV011822.D

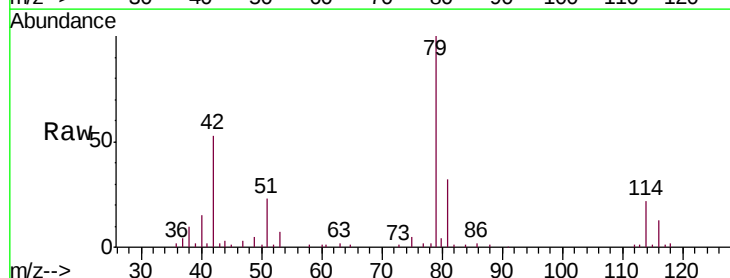
Acq: 03 Jul 2019 10:16

Tgt Ion: 75 Resp: 1819

Ion Ratio Lower Upper

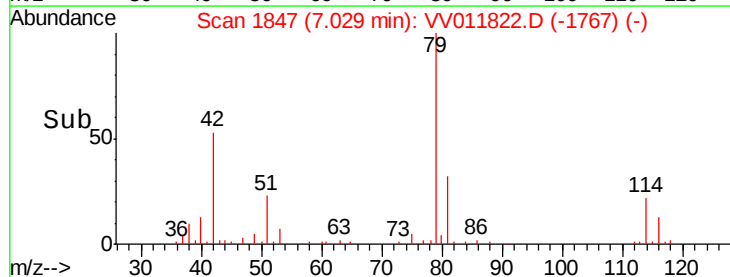
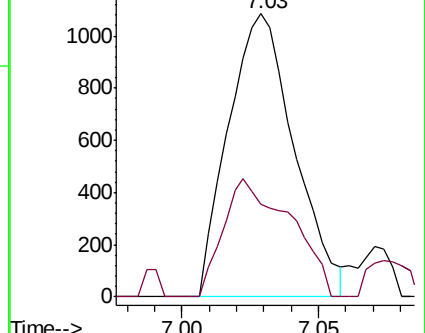
75 100

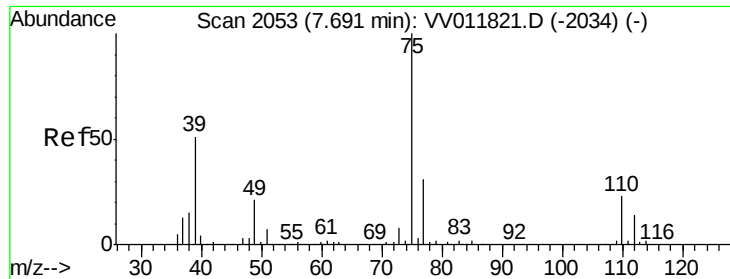
77 32.9 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV011822.D (-1767) (-)

Ion 77.05 (76.75 to 77.75): VV011822.D (-1767) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

Instrument :

MSVOA_V

ClientSampleId :

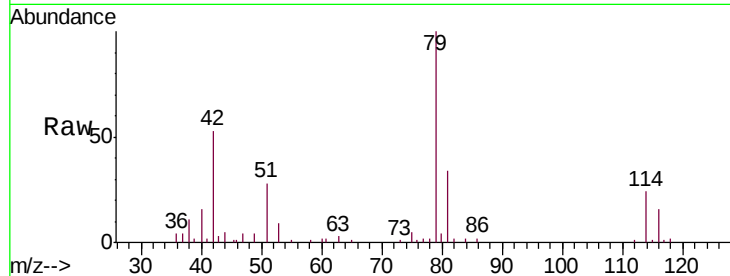
VBLK46

Tgt Ion: 75 Resp: 1236

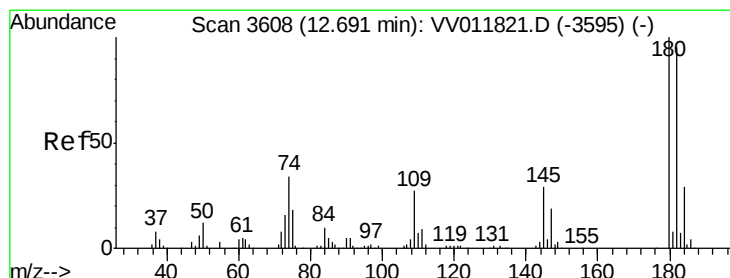
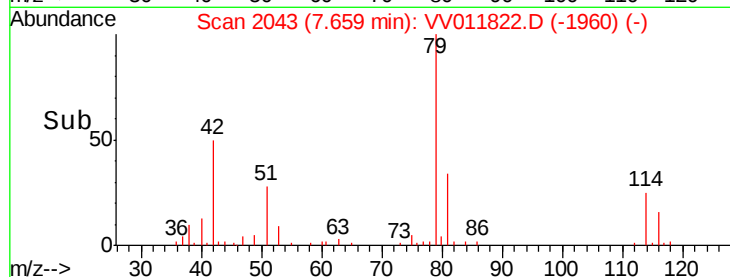
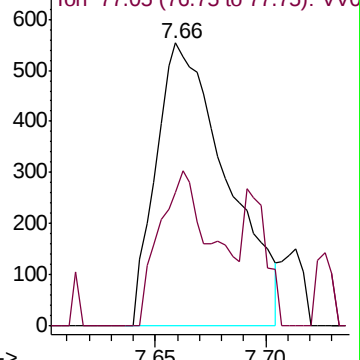
Ion Ratio Lower Upper

75 100

77 47.4 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0



#67

1,3,5-Trichlorobenzene

Concen: 0.041 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

Tgt Ion: 180 Resp: 629

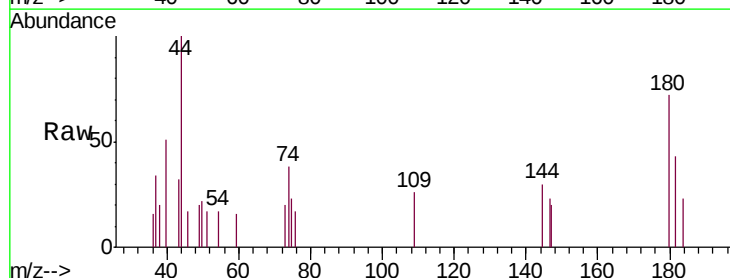
Ion Ratio Lower Upper

180 100

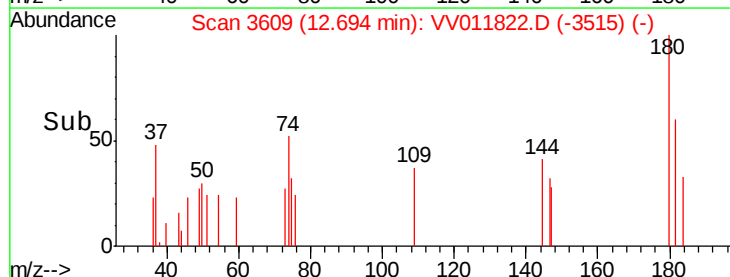
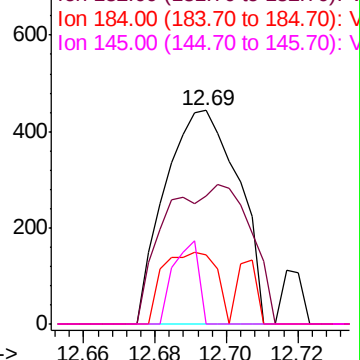
182 76.8 75.3 112.9

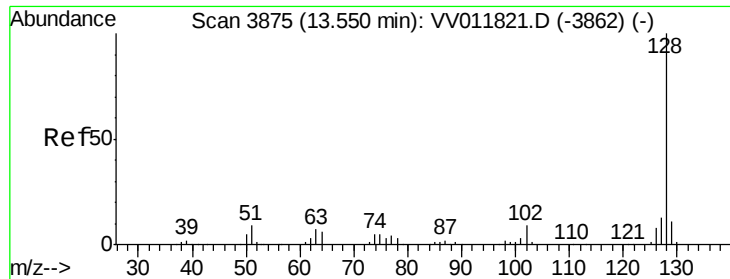
184 24.5 24.2 36.4

145 13.5 23.7 35.5#



Abundance Ion 180.00 (179.70 to 180.70): V





#69

Naphthalene

Concen: 0.118 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

Instrument :

MSVOA_V

ClientSampleId :

VBLK46

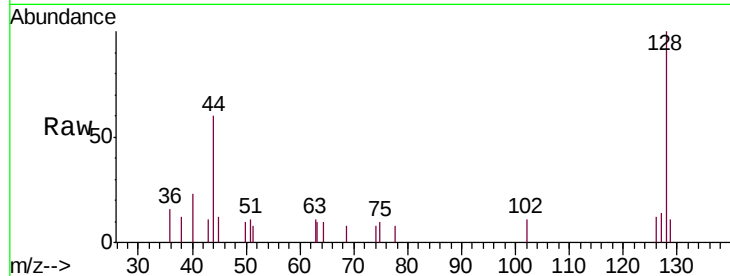
Tgt Ion:128 Resp: 2347

Ion Ratio Lower Upper

128 100

129 2.3 8.7 13.1#

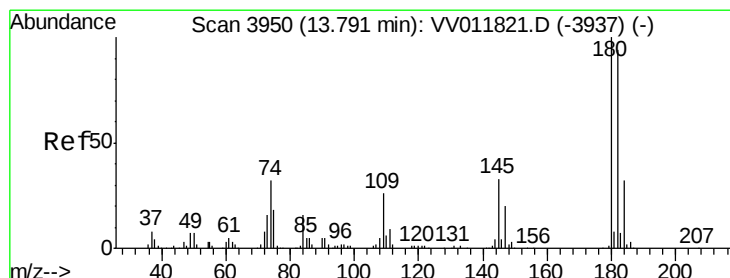
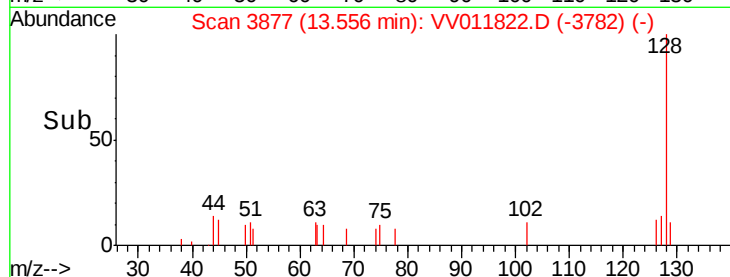
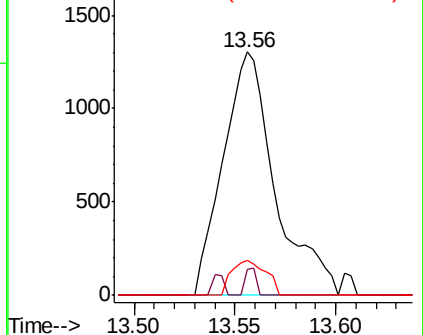
127 9.5 10.6 16.0#



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



#70

1,2,3-Trichlorobenzene

Concen: 0.086 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011822.D

Acq: 03 Jul 2019 10:16

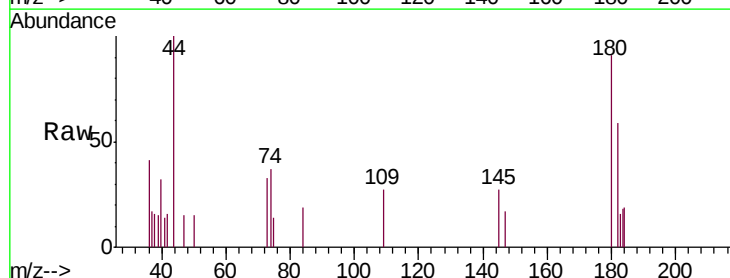
Tgt Ion:180 Resp: 992

Ion Ratio Lower Upper

180 100

182 75.4 74.7 112.1

145 27.2 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

