

Data File : VV013838.D
Acq On : 29 Nov 2019 10:27
Operator : SY/MD
Sample : VV1129MBL01
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK80

Quant Time: Nov 29 22:36:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 29 22:33:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	637880	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	615143	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	264991	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	206233	55.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.42%
7) Chloroethane-d5	1.57	69	182137	59.90	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.80%
11) 1,1-Dichloroethene-d2	2.12	63	286375	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
21) 2-Butanone-d5	3.91	46	282642	102.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.34%
24) Chloroform-d	4.39	84	400665	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
26) 1,2-Dichloroethane-d4	5.07	65	260041	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
32) Benzene-d6	5.09	84	832463	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
36) 1,2-Dichloropropane-d6	6.11	67	255061	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.86%
41) Toluene-d8	7.35	98	750215	49.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.66	79	118203	48.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.66%
47) 2-Hexanone-d5	8.13	63	197666	102.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.38%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	344635	51.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.08%
64) 1,2-Dichlorobenzene-d4	11.67	152	302183	57.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	10906	2.163 ug/L	95
6) Bromomethane	1.51	94	4538	2.007 ug/L	81
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3590	1.019 ug/L #	18
13) Acetone	2.18	43	6711	2.604 ug/L	96
25) Chloroform	4.42	83	13771	1.676 ug/L	84
27) 1,2-Dichloroethane	5.09	62	4828	0.767 ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	3895	0.709 ug/L #	93
69) Naphthalene	13.55	128	21664	1.475 ug/L #	92
70) 1,2,3-Trichlorobenzene	13.79	180	4588	0.786 ug/L	94

(#) = 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 :
VBLK80

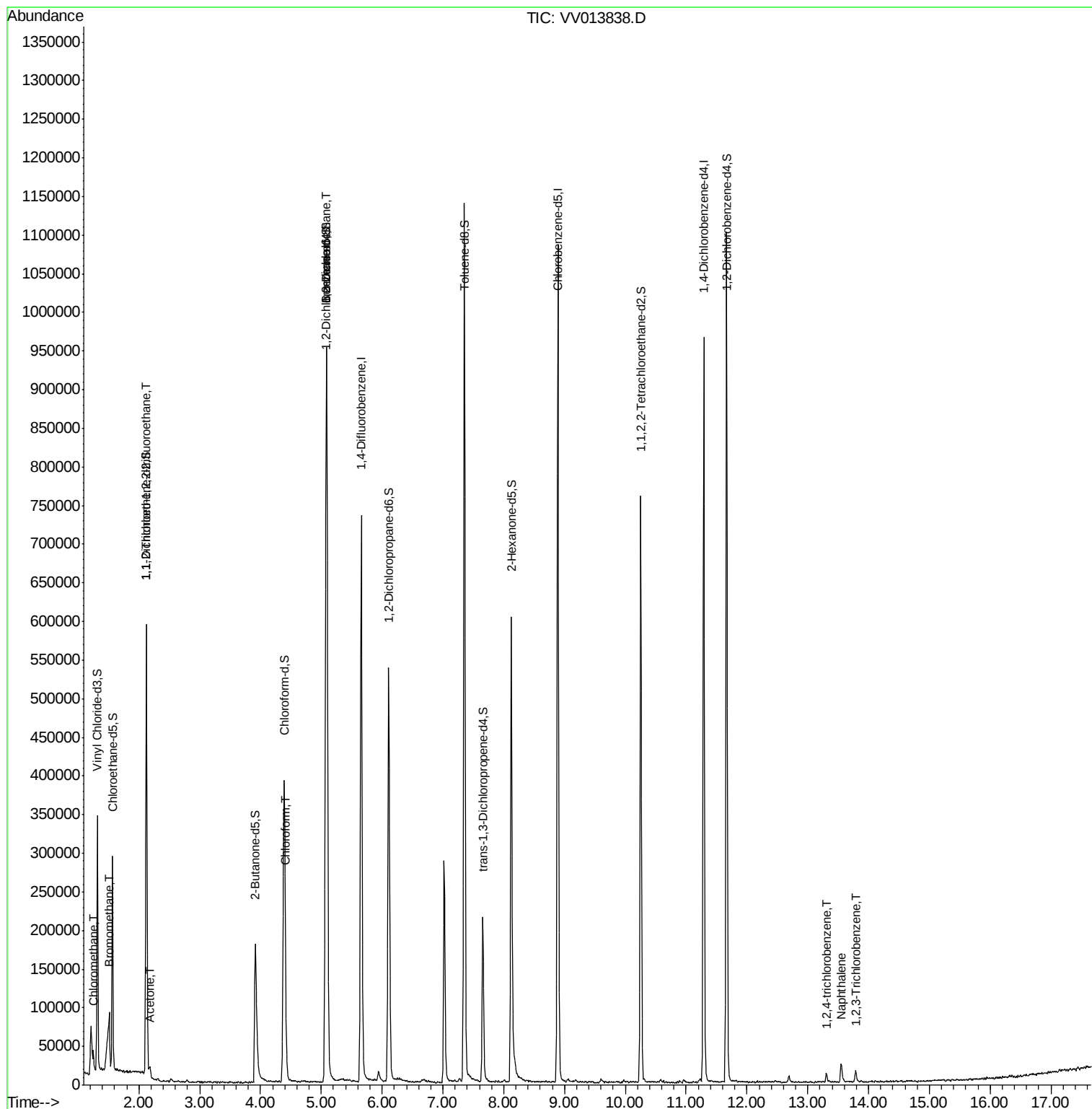
Quant Time: Nov 29 22:36:22 2019

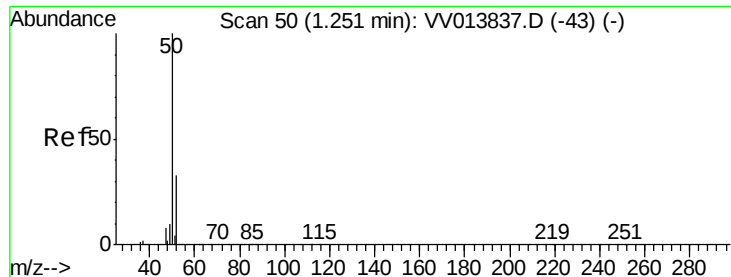
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Nov 29 22:33:56 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 2.163 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

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Acq: 29 Nov 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

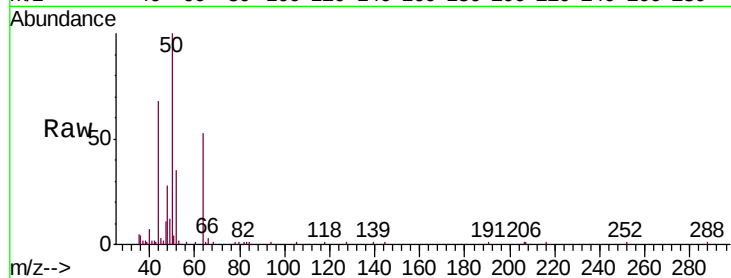
VBLK80

Tgt Ion: 50 Resp: 10906

Ion Ratio Lower Upper

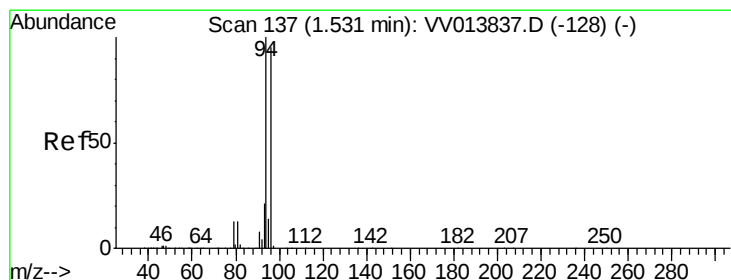
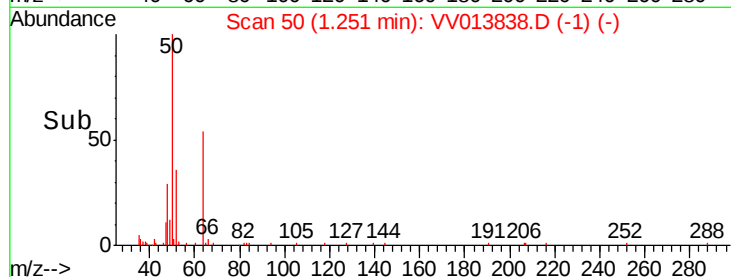
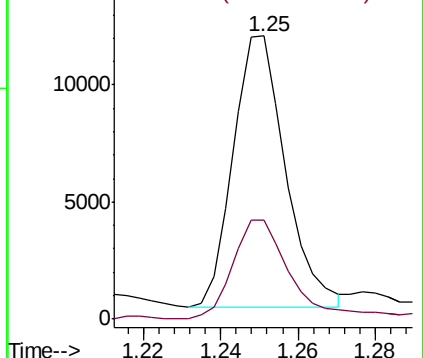
50 100

52 35.1 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 2.007 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

Lab File: VV013838.D

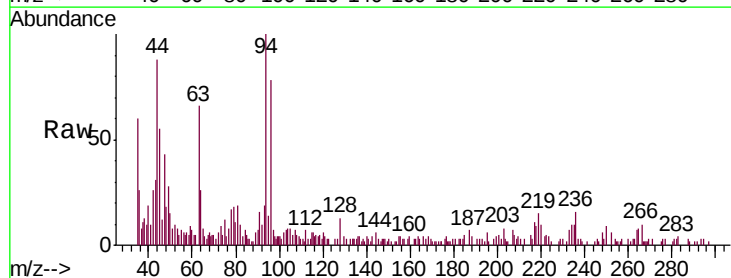
Acq: 29 Nov 2019 10:27

Tgt Ion: 94 Resp: 4538

Ion Ratio Lower Upper

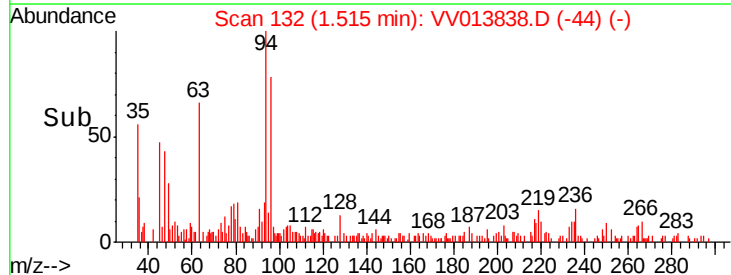
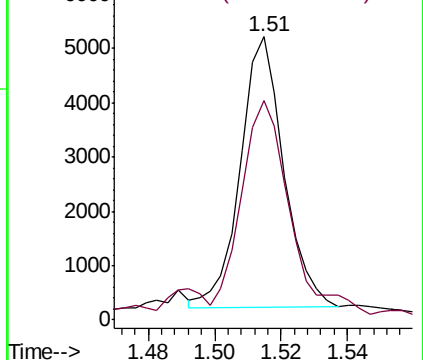
94 100

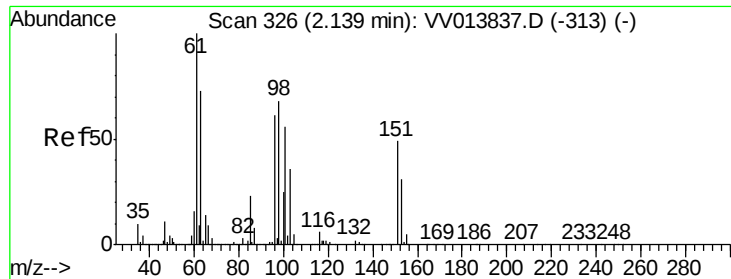
96 77.7 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#10

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

Concen: 1.019 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV013838.D

Acq: 29 Nov 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

VBLK80

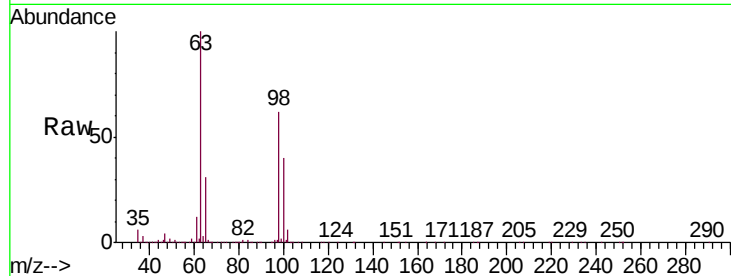
Tgt Ion:101 Resp: 3590

Ion Ratio Lower Upper

101 100

85 1.1 33.3 49.9#

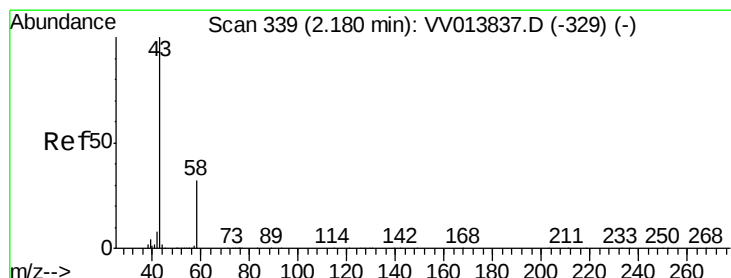
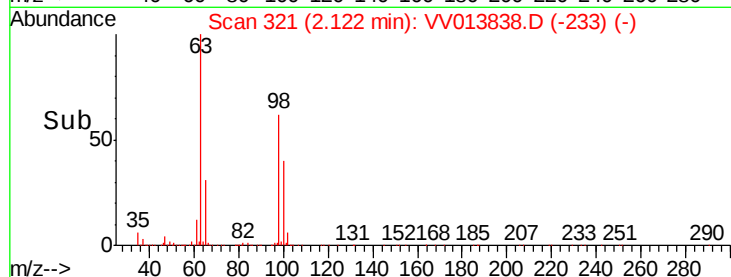
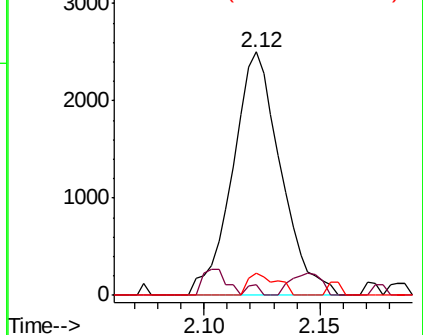
151 3.9 69.5 104.3#



Abundance Ion 101.00 (100.70 to 101.70): VV013838.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV013838.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV013838.D (-233) (-)



#13

Acetone

Concen: 2.604 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013838.D

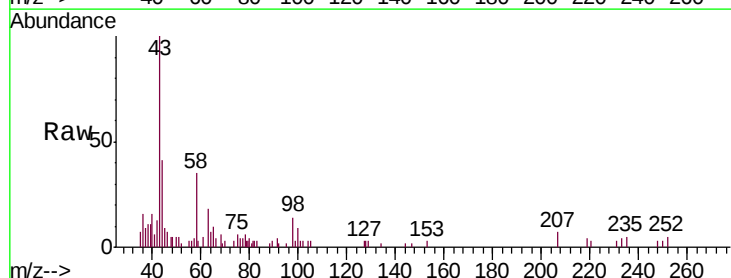
Acq: 29 Nov 2019 10:27

Tgt Ion: 43 Resp: 6711

Ion Ratio Lower Upper

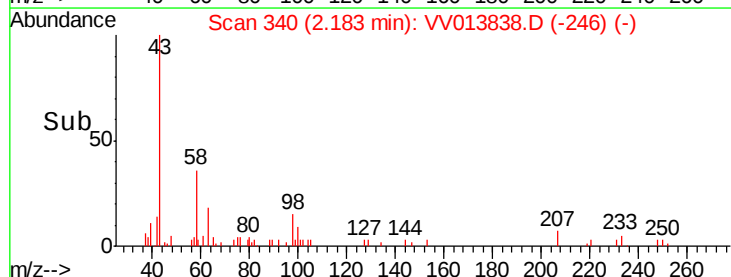
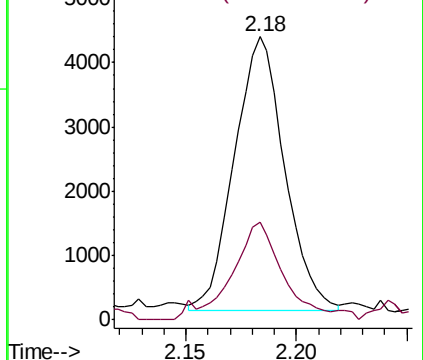
43 100

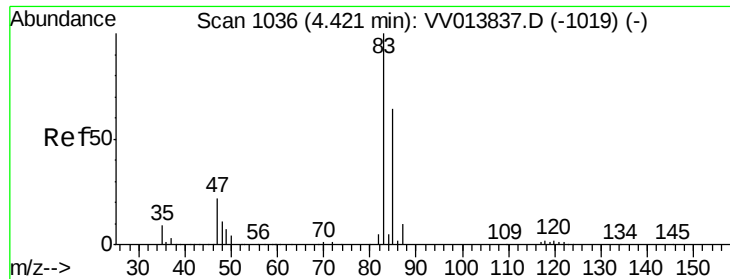
58 34.9 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV013838.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV013838.D (-246) (-)





#25

Chloroform

Concen: 1.676 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013838.D

Acq: 29 Nov 2019 10:27

Instrument :

MSVOA_V

ClientSampleId :

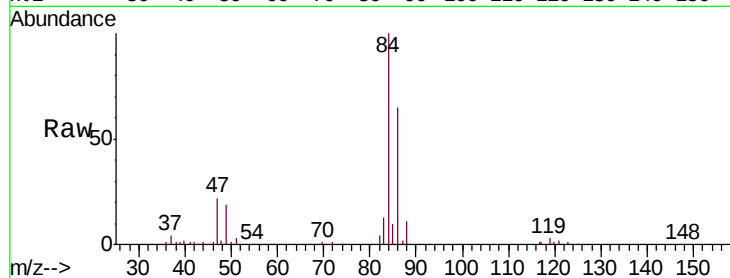
VBLK80

Tgt Ion: 83 Resp: 13771

Ion Ratio Lower Upper

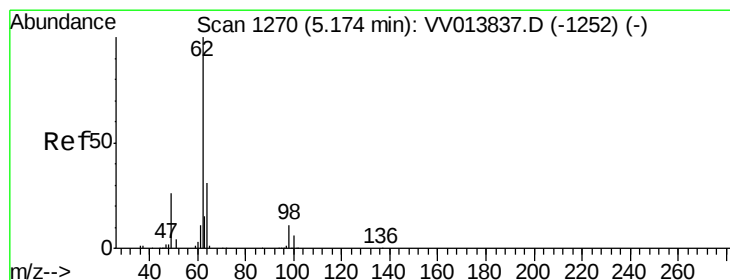
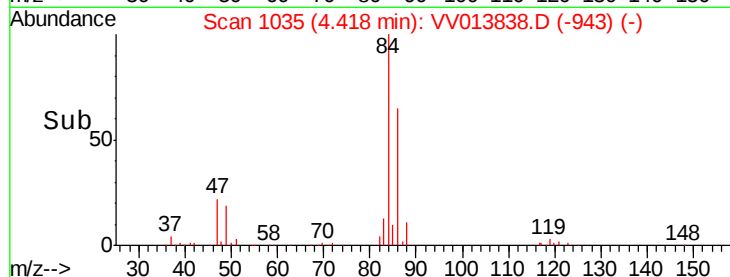
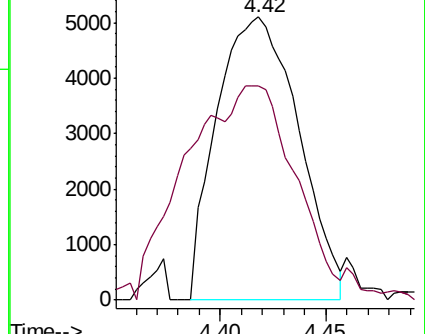
83 100

85 75.6 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 0.767 ug/L

RT: 5.09 min Scan# 1243

Delta R.T. -0.09 min

Lab File: VV013838.D

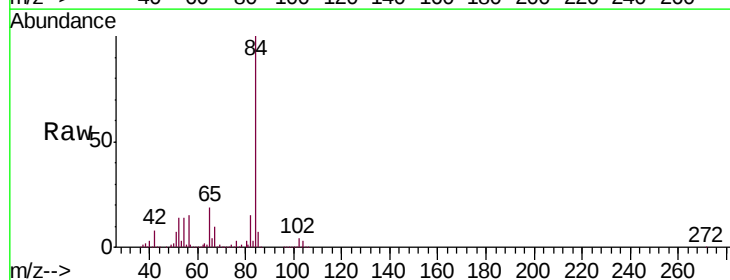
Acq: 29 Nov 2019 10:27

Tgt Ion: 62 Resp: 4828

Ion Ratio Lower Upper

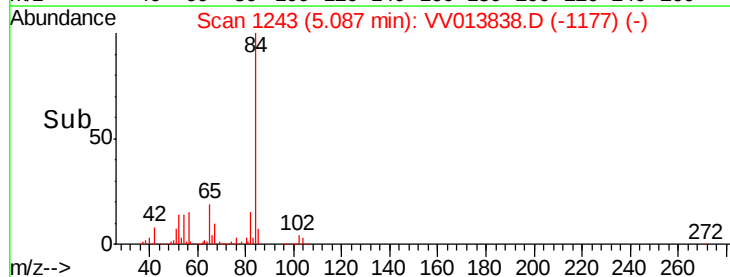
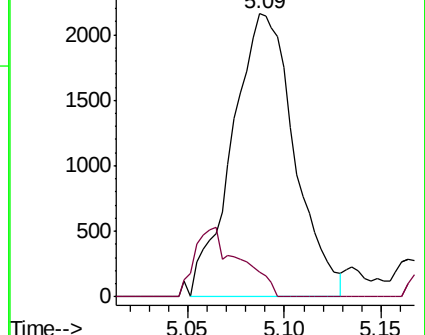
62 100

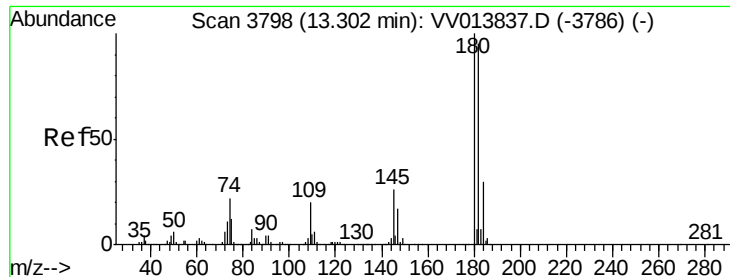
98 9.0 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

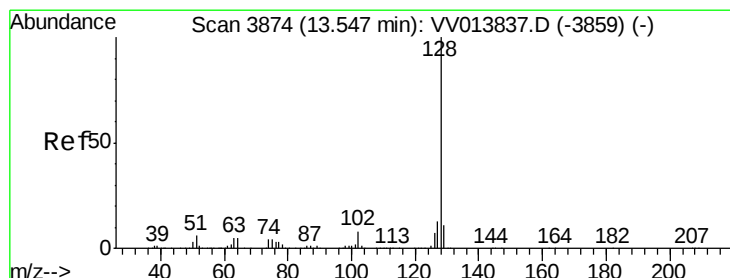
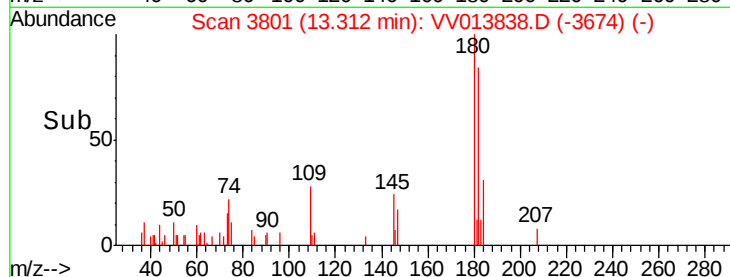
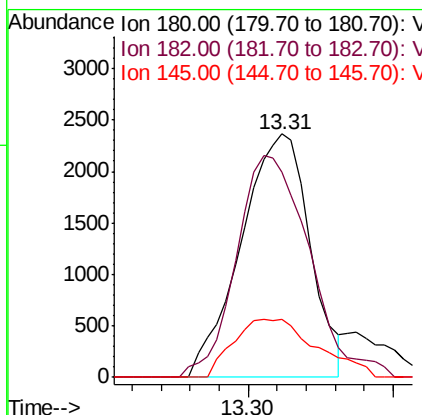
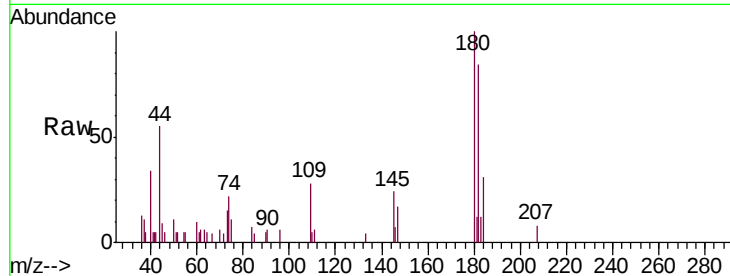




#68
 1,2,4-trichlorobenzene
 Concen: 0.709 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV013838.D
 Acq: 29 Nov 2019 10:27

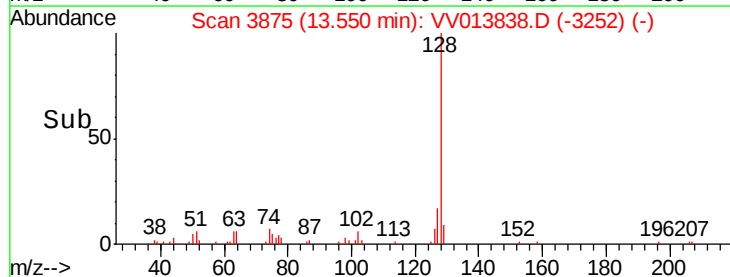
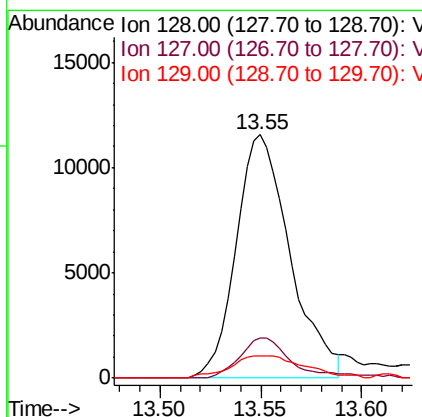
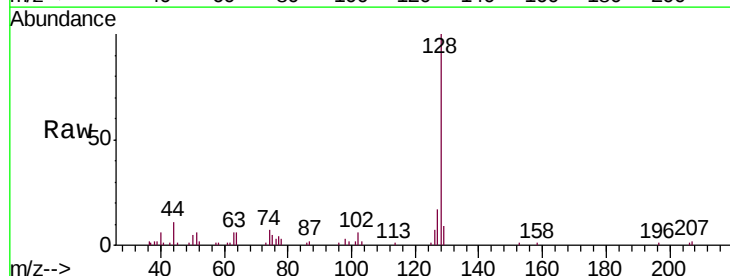
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK80

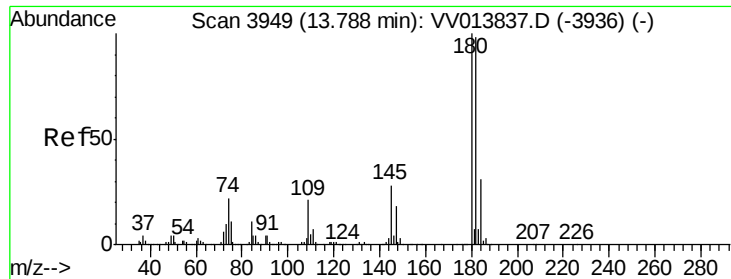
Tgt Ion:180 Resp: 3895
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.4 114.6
 145 14.6 22.4 33.6#



#69
 Naphthalene
 Concen: 1.475 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013838.D
 Acq: 29 Nov 2019 10:27

Tgt Ion:128 Resp: 21664
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.6 15.8
 129 5.5 8.6 13.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.786 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VV013838.D
 Acq: 29 Nov 2019 10:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK80

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.2	77.4	116.0
145	28.1	24.0	36.0

