

Data File : VV011919.D
Acq On : 17 Jul 2019 18:37
Operator : SY/MD
Sample : K3823-09
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52L2

Quant Time: Jul 18 02:22:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	164977	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	158099	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55779	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	39249	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	2.13	63	80394	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.95	46	158451	51.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	4.40	84	107986	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.08	65	59561	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.10	84	217862	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.12	67	67182	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	181312	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.67	79	21930	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.13	63	89570	42.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37661	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	68146	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	1645	0.100	ug/L	92
5) Vinyl chloride	1.32	62	147849	9.386	ug/L	99
8) Chloroethane	1.32	64	47416	5.293	ug/L #	45
12) 1,1-Dichloroethene	2.14	96	29568	3.363	ug/L	89
13) Acetone	2.19	43	8413	5.417	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	12359	1.000	ug/L	92
19) 1,1-Dichloroethane	3.23	63	27217	1.168	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	9366042	735.907	ug/L	96
25) Chloroform	4.43	83	3266	0.130	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	15428	0.794	ug/L	96
31) Carbon tetrachloride	4.65	117	1855	0.109	ug/L	99
34) Trichloroethene	5.96	95	143962	10.471	ug/L	99
35) Methylcyclohexane	6.12	83	16613	0.797	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8040	0.666	ug/L #	89
48) 2-Hexanone	8.18	43	10292	1.981	ug/L #	86
58) 1,1,2,2-Tetrachloroethane	10.26	83	484	0.062	ug/L #	1
65) 1,2-Dichlorobenzene	11.69	146	3006	0.141	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

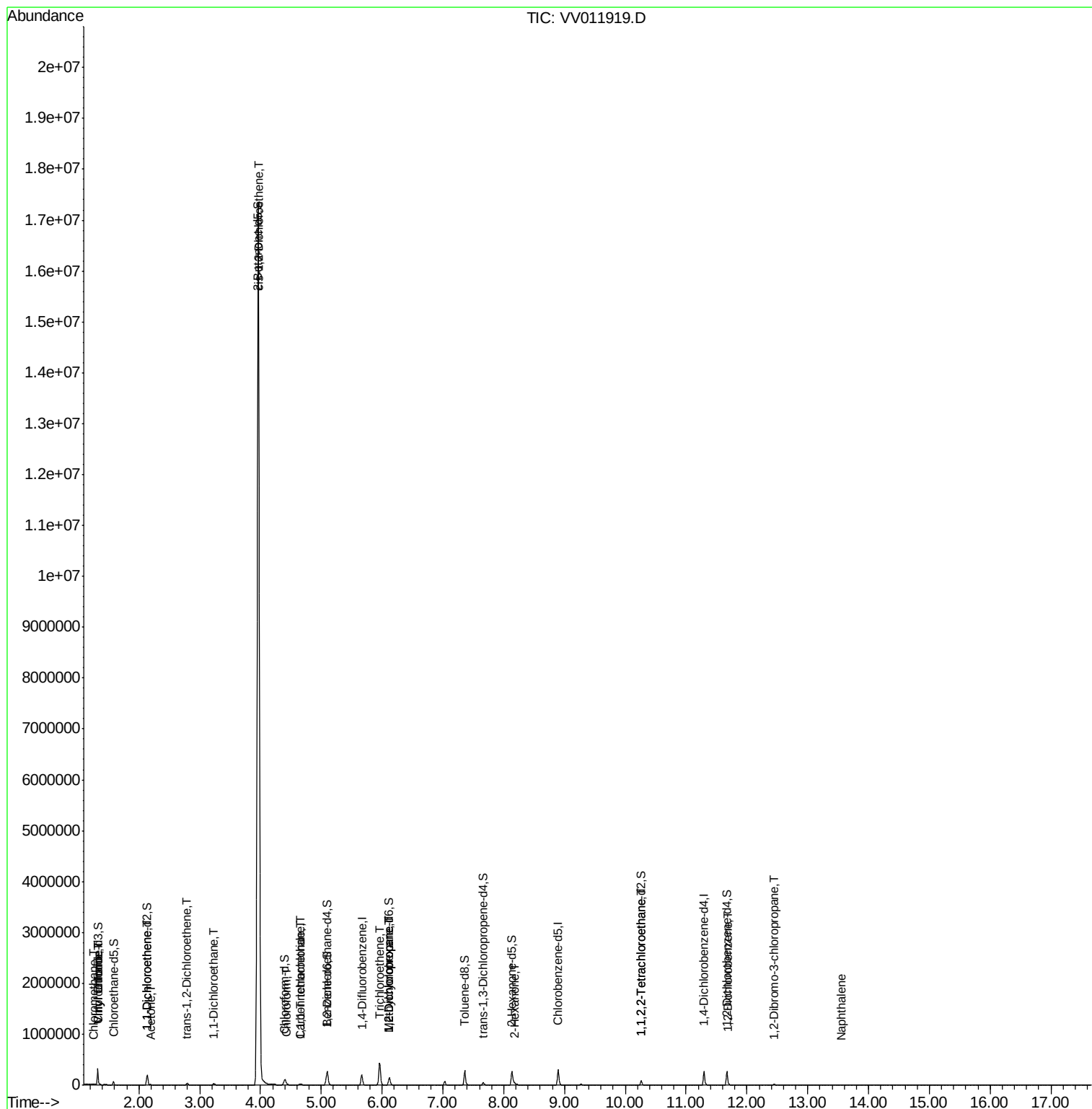
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.45	75	2113	1.748	ug/L #	3
69) Naphthalene	13.56	128	1970	0.091	ug/L #	86

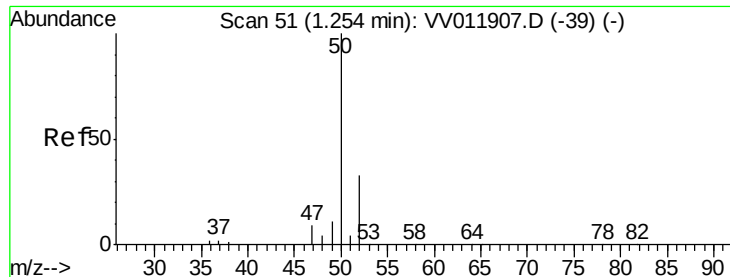
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.100 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

Instrument :

MSVOA_V

ClientSampleId :

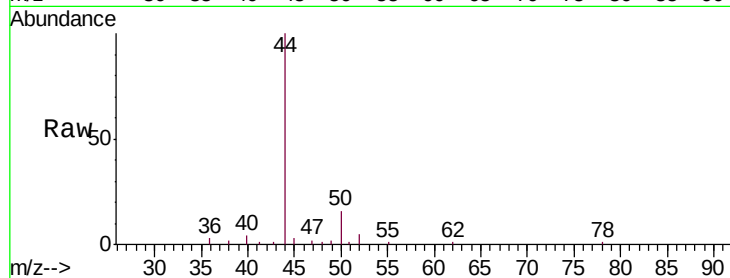
A52L2

Tgt Ion: 50 Resp: 1645

Ion Ratio Lower Upper

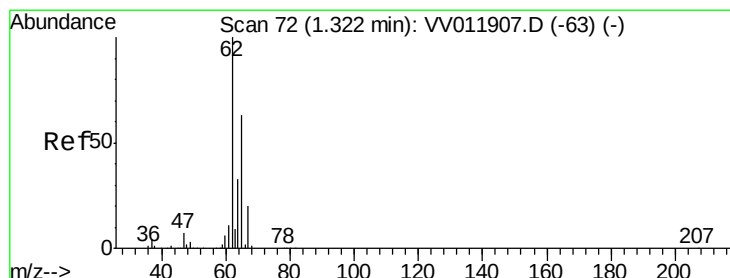
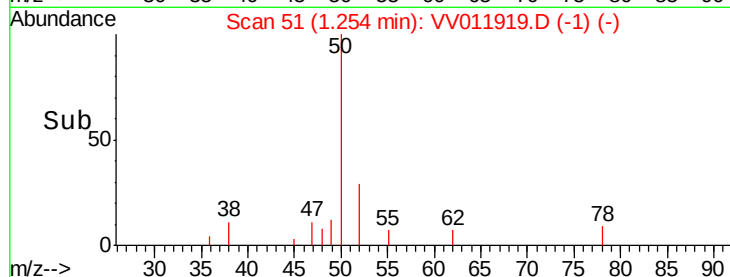
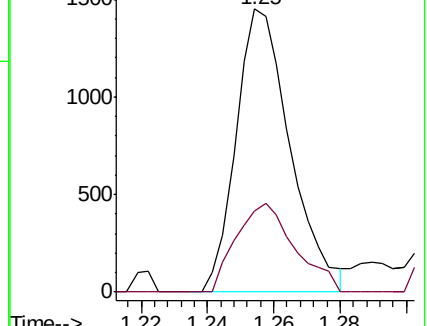
50 100

52 28.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV011919.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV011919.D (-1) (-)



#5

Vinyl chloride

Concen: 9.386 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011919.D

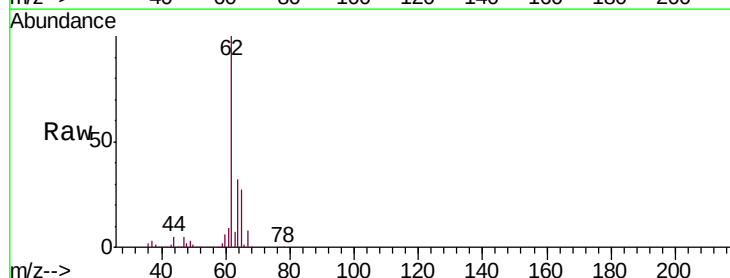
Acq: 17 Jul 2019 18:37

Tgt Ion: 62 Resp: 147849

Ion Ratio Lower Upper

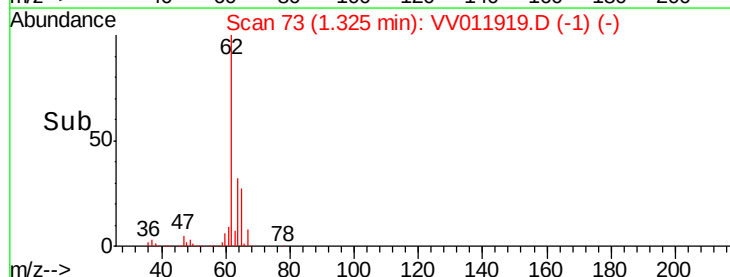
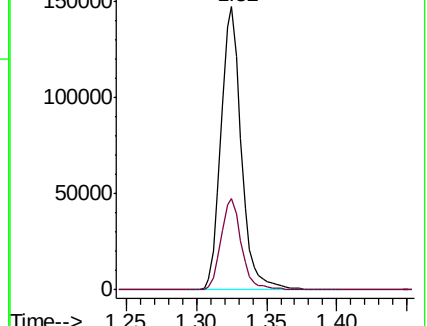
62 100

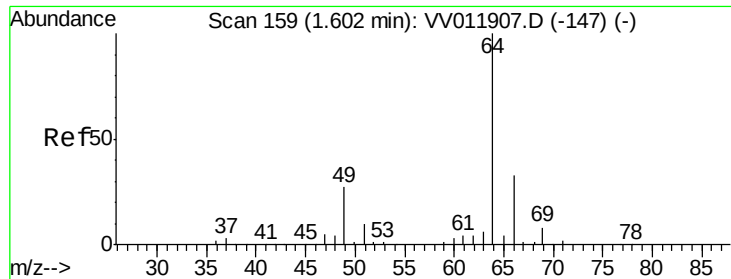
64 32.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV011919.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV011919.D (-1) (-)

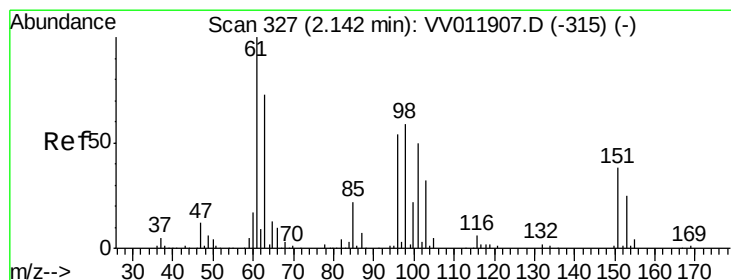
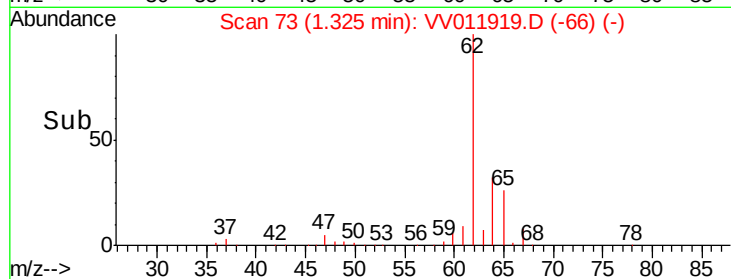
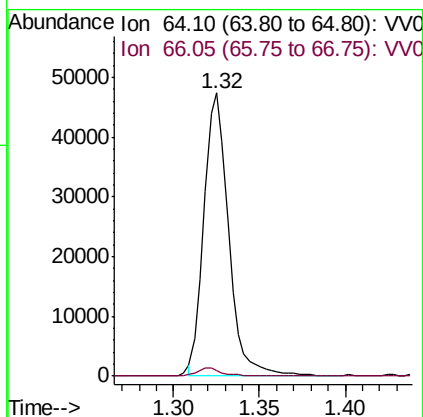
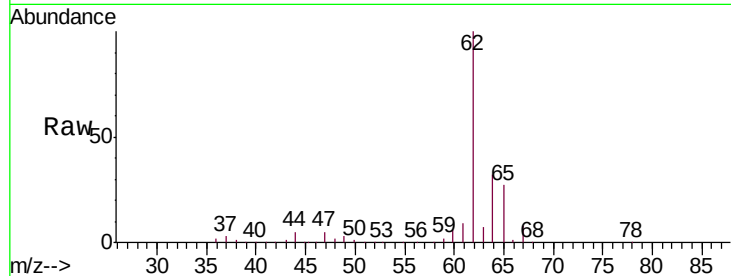




#8
Chloroethane
Concen: 5.293 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.28 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

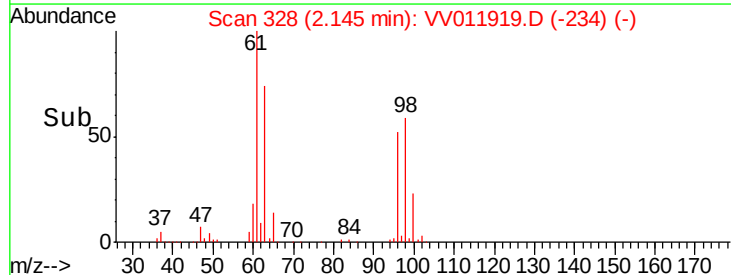
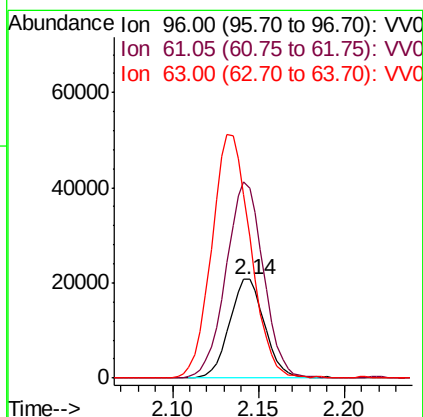
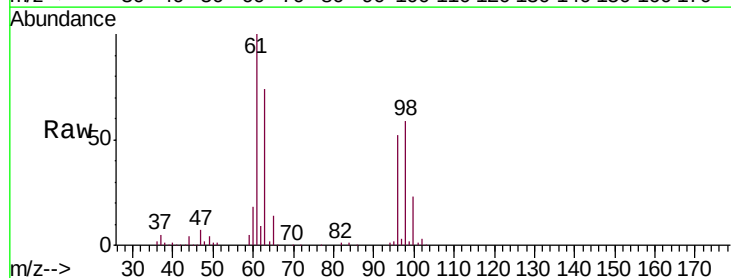
Instrument :
MSVOA_V
ClientSampled :
A52L2

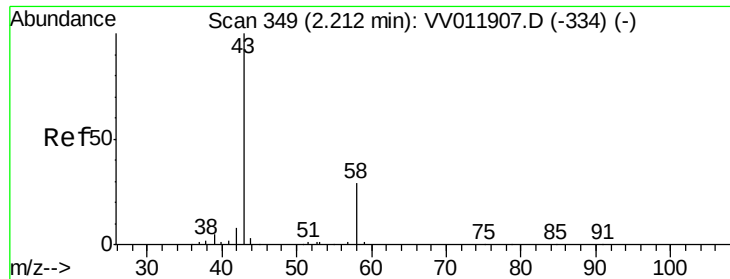
Tgt Ion: 64 Resp: 47416
Ion Ratio Lower Upper
64 100
66 2.2 23.2 43.2#



#12
1,1-Dichloroethene
Concen: 3.363 ug/L
RT: 2.14 min Scan# 328
Delta R.T. 0.00 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

Tgt Ion: 96 Resp: 29568
Ion Ratio Lower Upper
96 100
61 193.3 128.9 239.3
63 142.8 85.5 158.9





#13

Acetone

Concen: 5.417 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

Instrument :

MSVOA_V

ClientSampled :

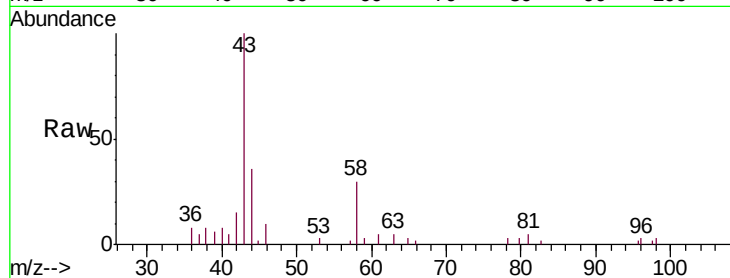
A52L2

Tgt Ion: 43 Resp: 8413

Ion Ratio Lower Upper

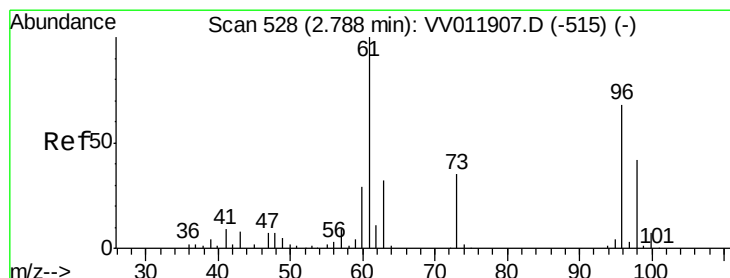
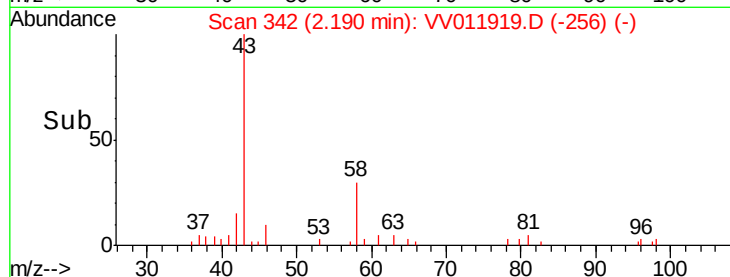
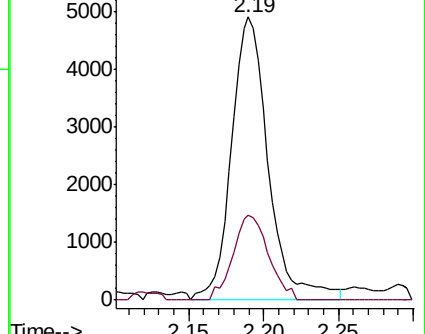
43 100

58 28.8 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#18

trans-1,2-Dichloroethene

Concen: 1.000 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

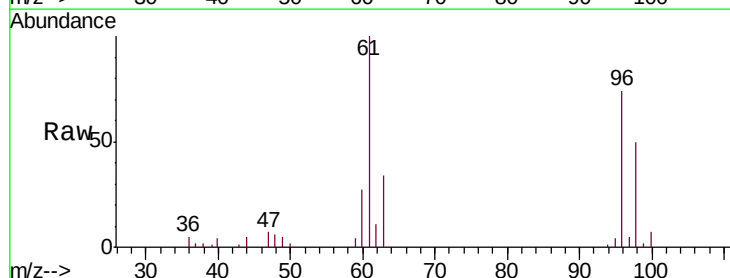
Tgt Ion: 96 Resp: 12359

Ion Ratio Lower Upper

96 100

61 135.4 102.2 189.8

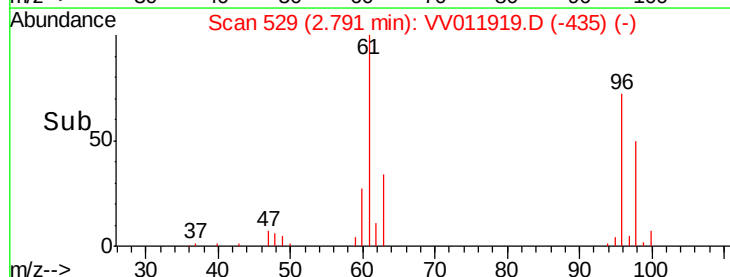
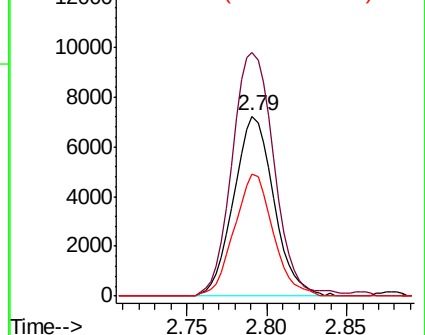
98 67.7 44.4 82.5

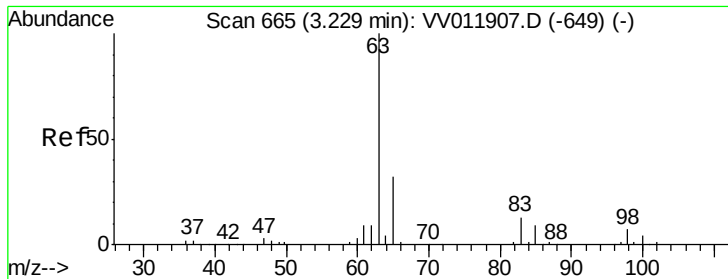


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

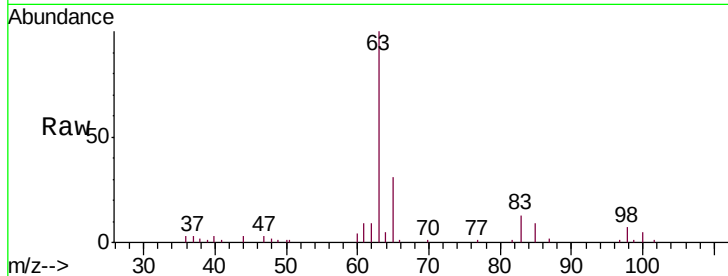




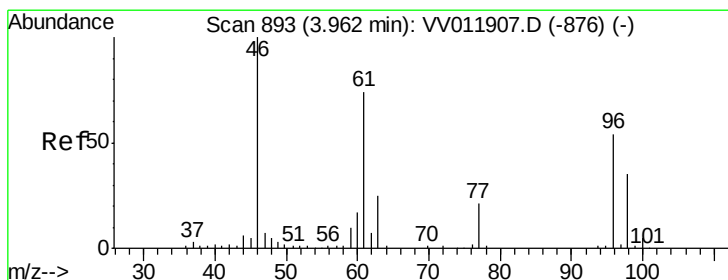
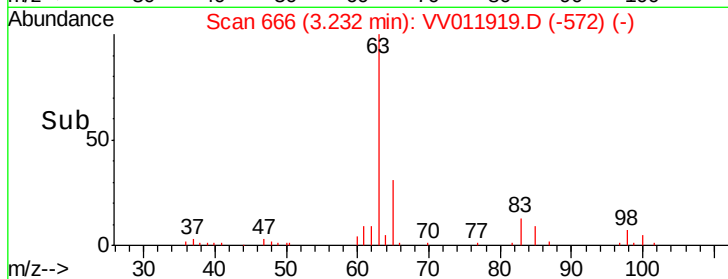
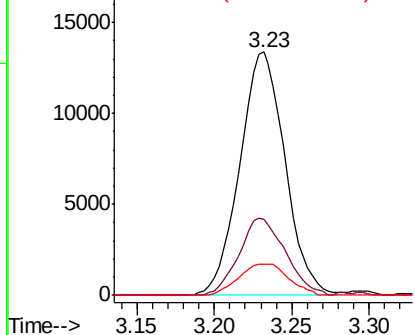
#19
 1,1-Dichloroethane
 Concen: 1.168 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV011919.D
 Acq: 17 Jul 2019 18:37

Instrument :
 MSVOA_V
 ClientSampled :
 A52L2

Tgt Ion: 63 Resp: 27217
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.7 42.3
 83 13.0 9.4 17.6

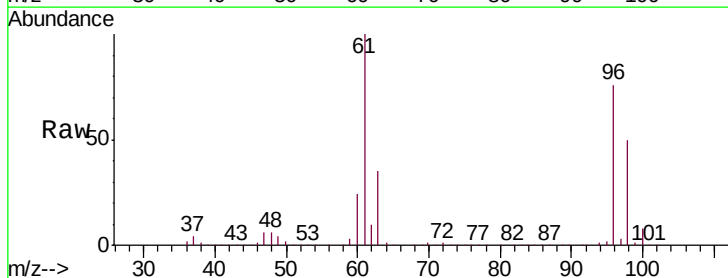


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

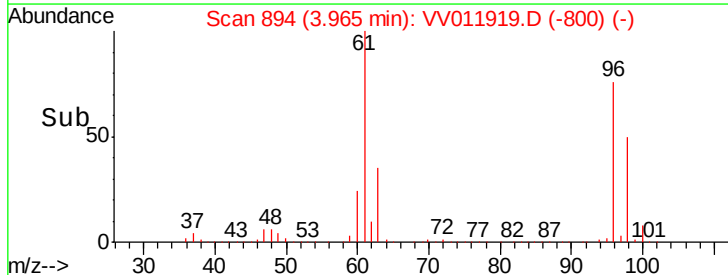
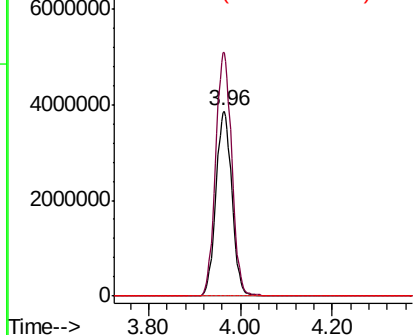


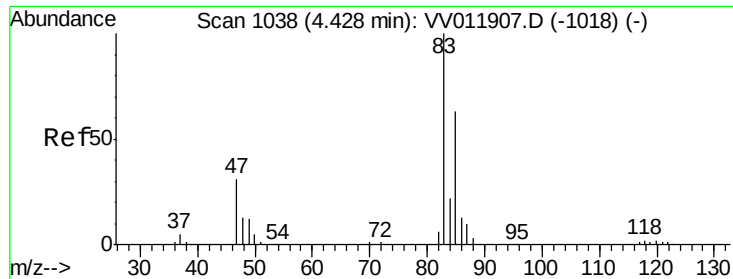
#22
 cis-1,2-Dichloroethene
 Concen: 735.907 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV011919.D
 Acq: 17 Jul 2019 18:37

Tgt Ion: 96 Resp: 9366042
 Ion Ratio Lower Upper
 96 100
 61 131.5 95.2 176.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

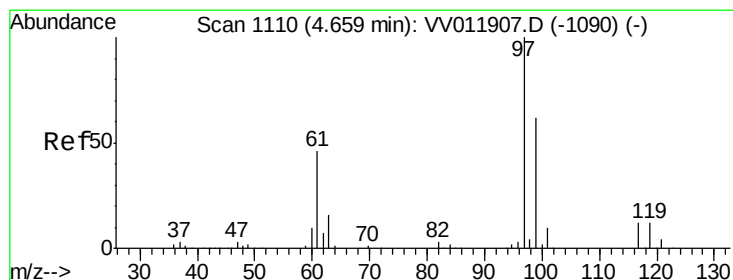
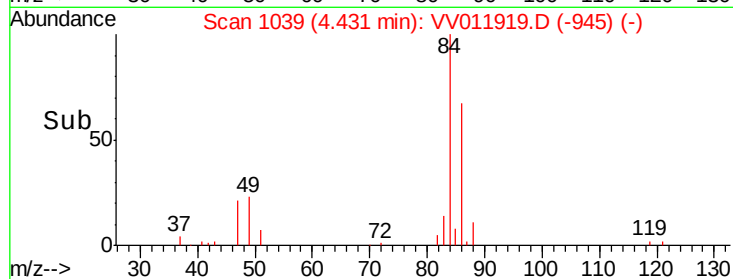
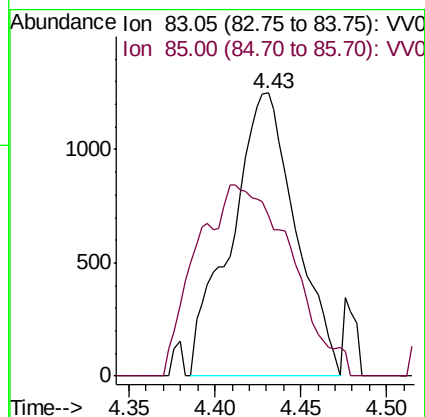
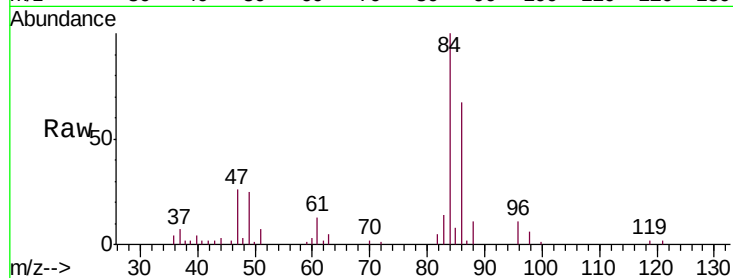




#25
Chloroform
Concen: 0.130 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

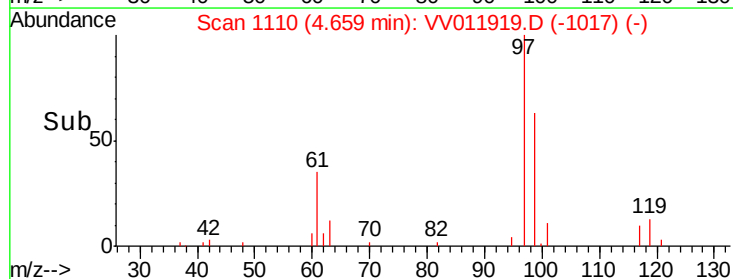
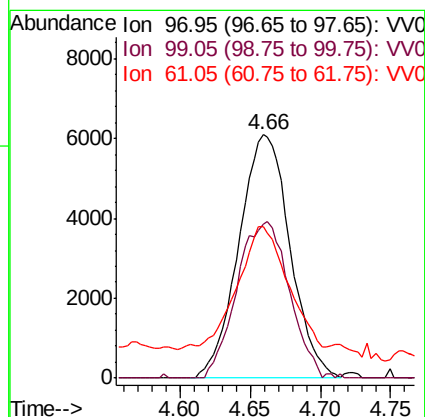
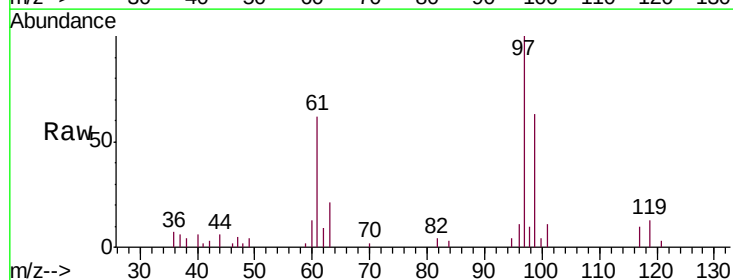
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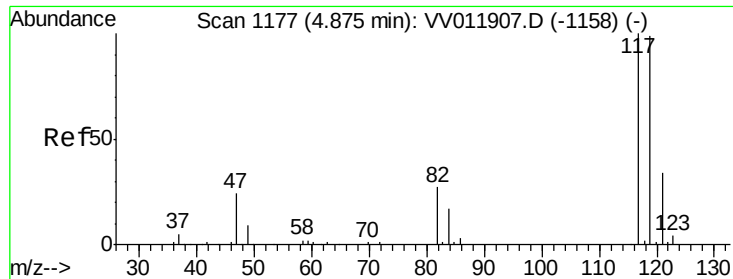
Tgt Ion: 83 Resp: 3266
Ion Ratio Lower Upper
83 100
85 56.8 42.5 78.9



#29
1,1,1-Trichloroethane
Concen: 0.794 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

Tgt Ion: 97 Resp: 15428
Ion Ratio Lower Upper
97 100
99 66.1 51.1 76.7
61 51.3 38.6 57.8





#31

Carbon tetrachloride

Concen: 0.109 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.22 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

Instrument :

MSVOA_V

ClientSampleId :

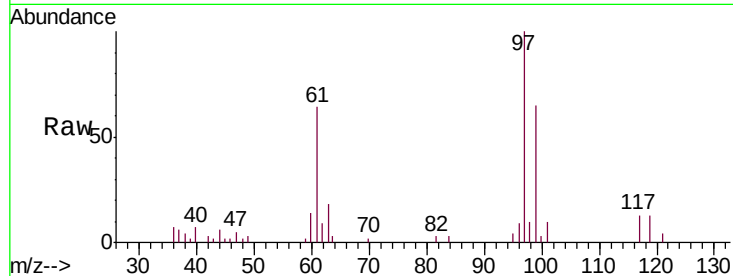
A52L2

Tgt Ion: 117 Resp: 1855

Ion Ratio Lower Upper

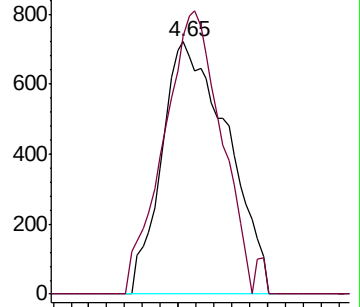
117 100

119 97.7 77.4 116.2

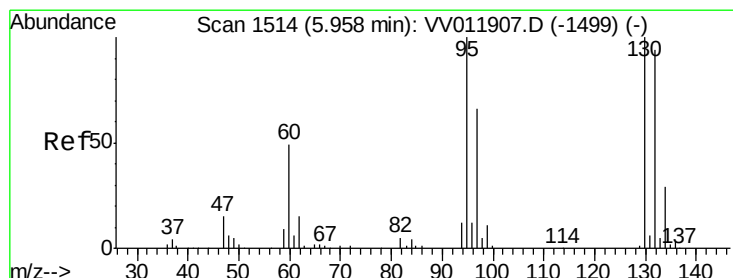
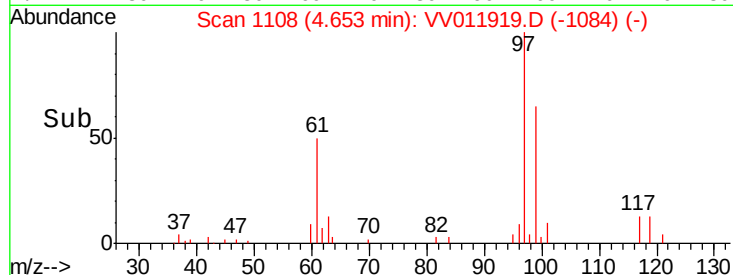


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#34

Trichloroethene

Concen: 10.471 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

Tgt Ion: 95 Resp: 143962

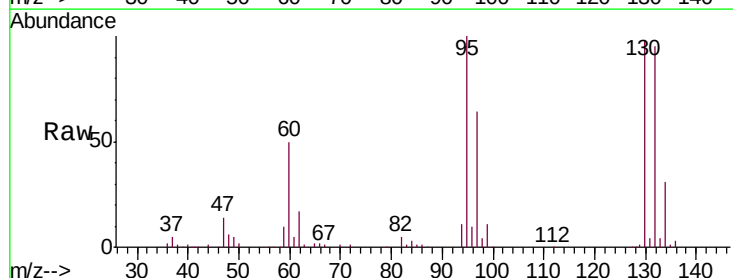
Ion Ratio Lower Upper

95 100

97 63.8 44.0 81.6

132 95.5 67.0 124.4

130 98.3 69.1 128.3

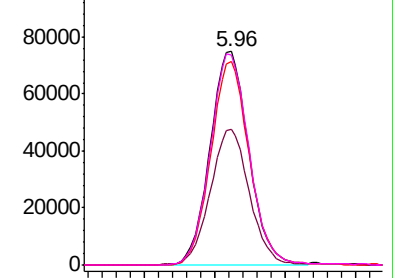


Abundance Ion 95.00 (94.70 to 95.70): VV0

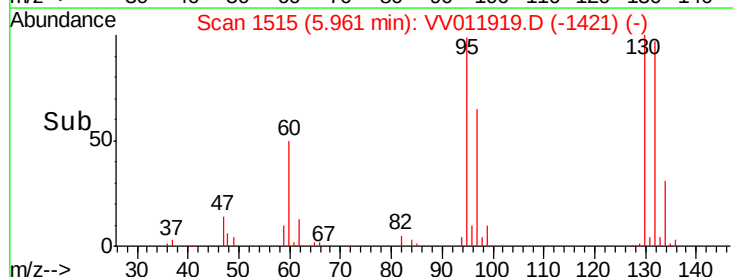
Ion 96.95 (96.65 to 97.65): VV0

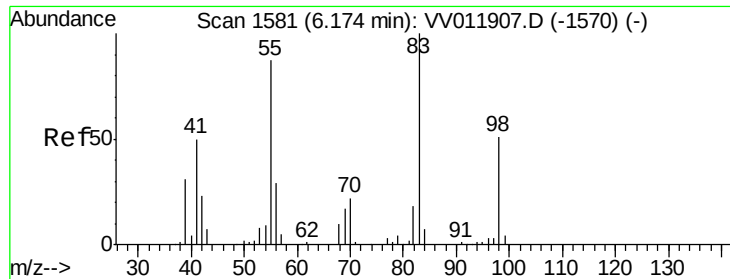
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->

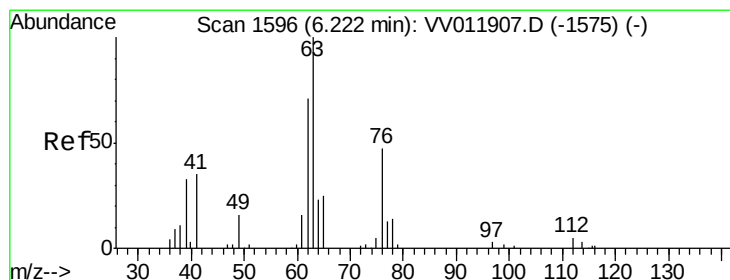
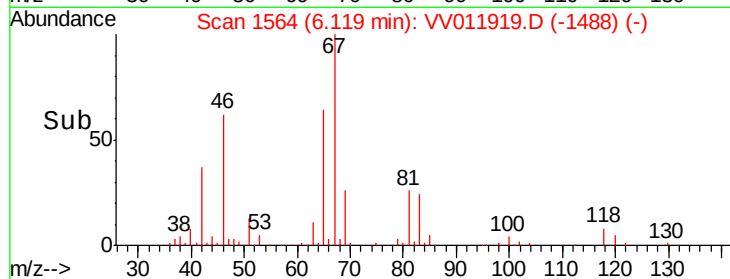
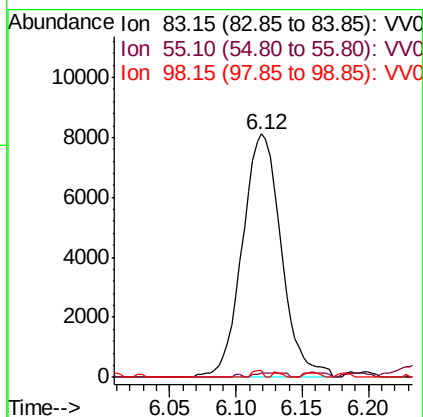
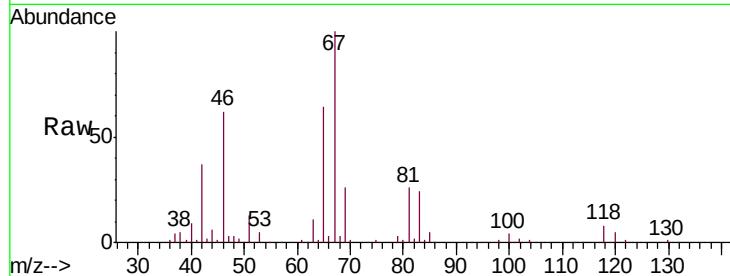




#35
Methylcyclohexane
Concen: 0.797 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

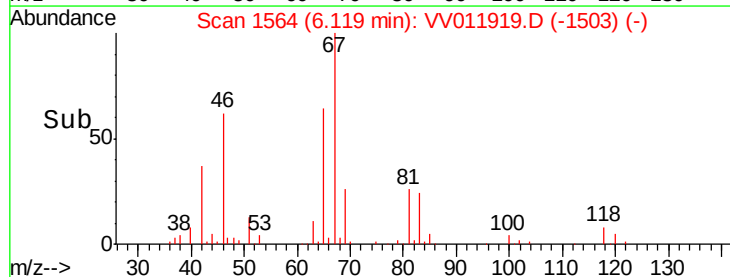
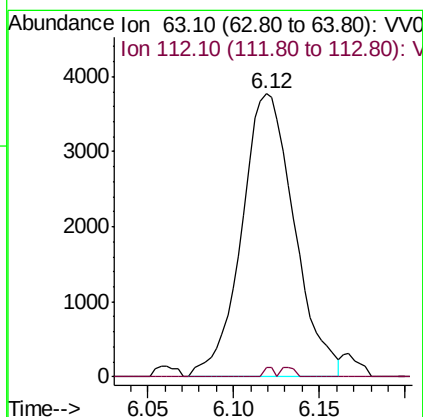
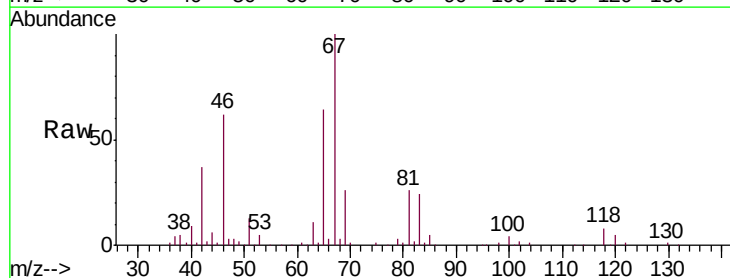
Instrument :
MSVOA_V
ClientSampled :
A52L2

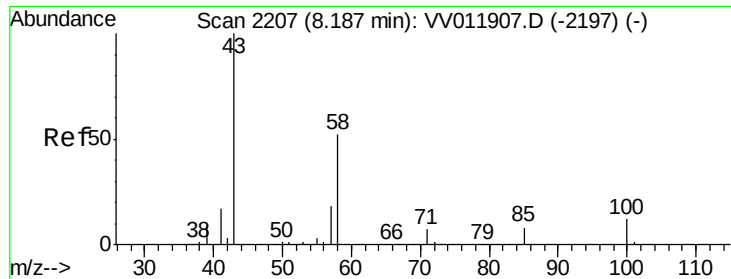
Tgt Ion: 83 Resp: 16613
Ion Ratio Lower Upper
83 100
55 1.3 66.7 100.1#
98 0.0 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.666 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

Tgt Ion: 63 Resp: 8040
Ion Ratio Lower Upper
63 100
112 0.6 3.4 5.2#

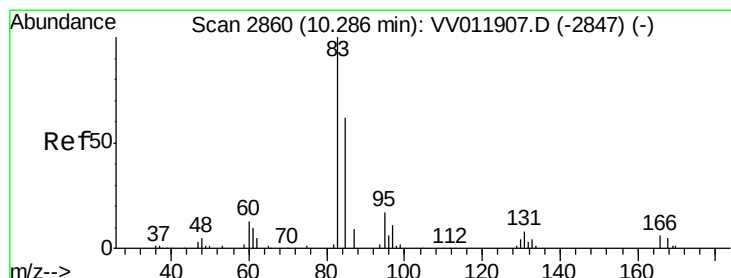
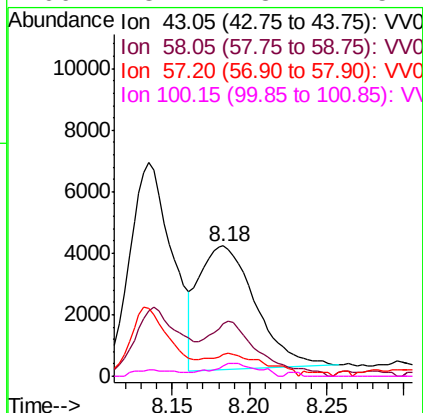
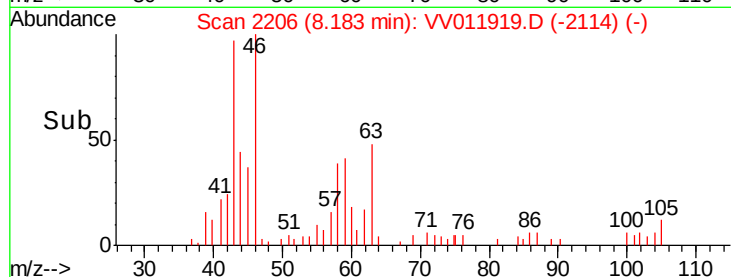
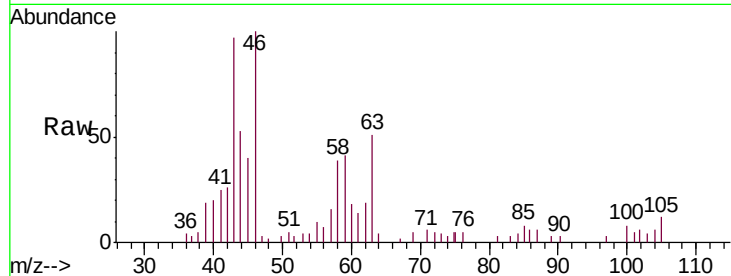




#48
2-Hexanone
Concen: 1.981 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

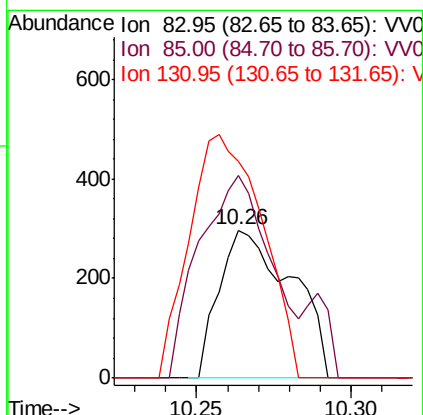
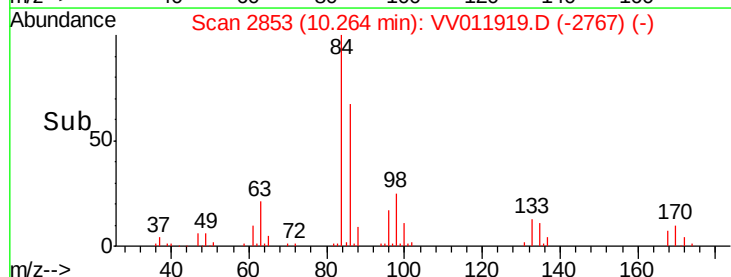
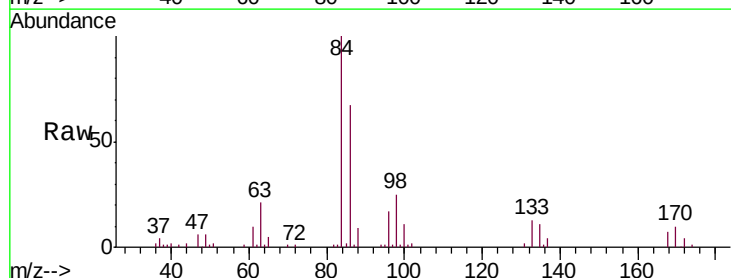
Instrument :
MSVOA_V
ClientSampled :
A52L2

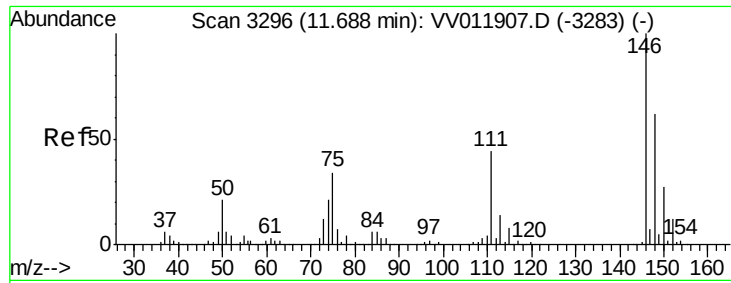
Tgt Ion: 43 Resp: 10292
Ion Ratio Lower Upper
43 100
58 39.0 41.1 61.7#
57 14.8 14.3 21.5
100 8.1 8.7 13.1#



#58
1,1,2,2-Tetrachloroethane
Concen: 0.062 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.02 min
Lab File: VV011919.D
Acq: 17 Jul 2019 18:37

Tgt Ion: 83 Resp: 484
Ion Ratio Lower Upper
83 100
85 137.4 44.9 83.3#
131 146.8 8.2 12.2#





#65

1,2-Dichlorobenzene

Concen: 0.141 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

Instrument :

MSVOA_V

ClientSampled :

A52L2

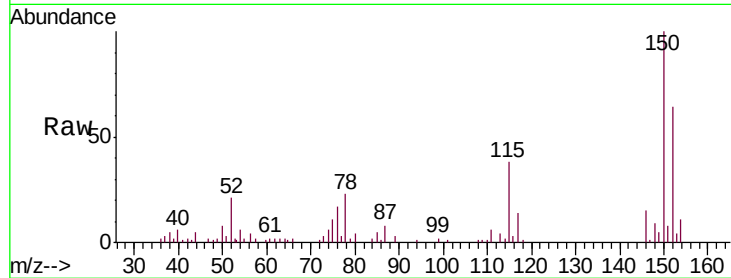
Tgt Ion:146 Resp: 3006

Ion Ratio Lower Upper

146 100

111 40.6 34.0 51.0

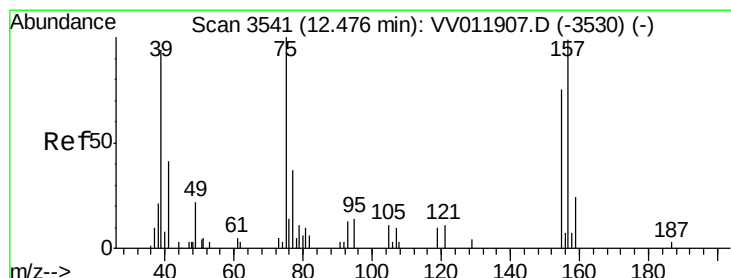
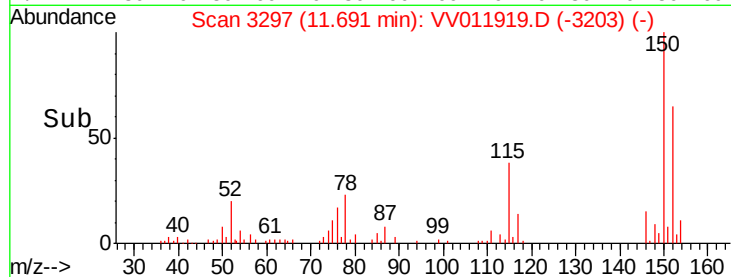
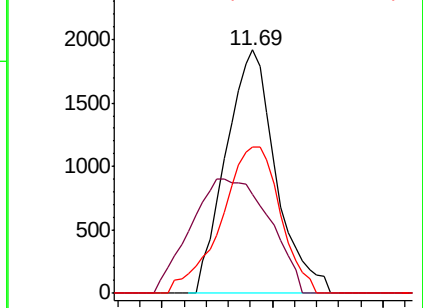
148 60.2 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.748 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.03 min

Lab File: VV011919.D

Acq: 17 Jul 2019 18:37

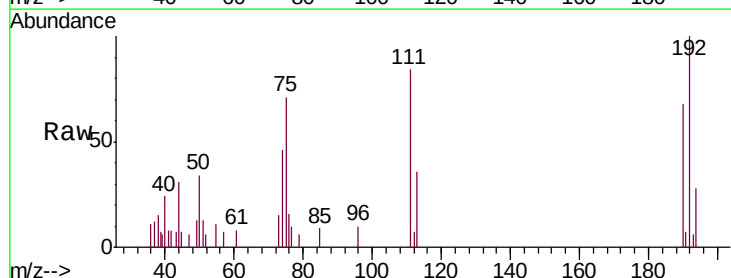
Tgt Ion: 75 Resp: 2113

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

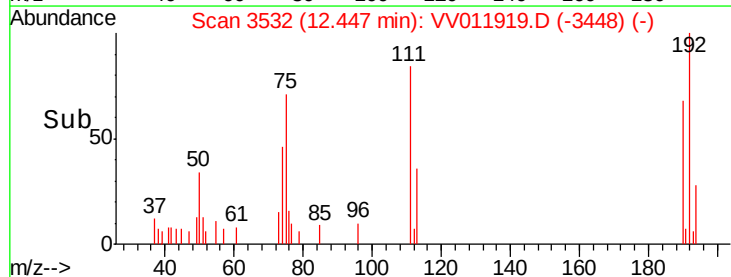
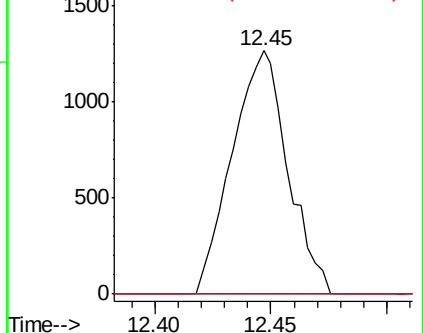
157 0.0 85.5 128.3#

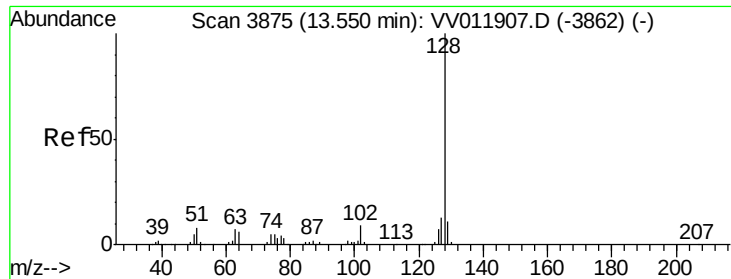


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 0.091 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV011919.D

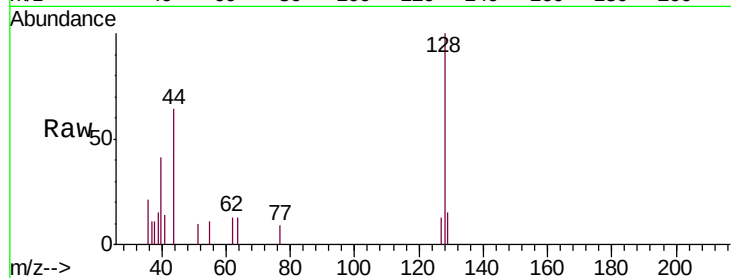
Acq: 17 Jul 2019 18:37

Instrument :

MSVOA_V

ClientSampleId :

A52L2



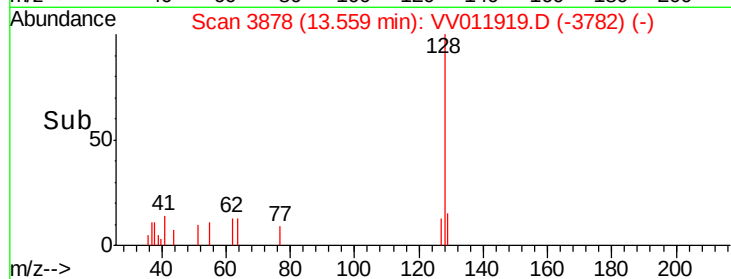
Tgt Ion:128 Resp: 1970

Ion Ratio Lower Upper

128 100

129 5.5 8.6 13.0#

127 8.1 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

1500 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

