

Data File : VV008076.D
Acq On : 04 Oct 2018 21:57
Operator : SY/MD
Sample : J5246-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J78

Quant Time: Oct 05 05:58:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	80631	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	79899	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17369	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.59	69	17044	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.15	63	157804	16.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	323.40%#
20) 2-Butanone-d5	3.96	46	73932	56.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.72%
24) Chloroform-d	4.41	84	49908	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.09	65	26619	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.10	84	90019	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.12	67	30925	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	82100	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.67	79	9814	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.14	63	50238	48.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22672	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	36390	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.33	62	728	0.113	ug/L #	49
8) Chloroethane	1.32	64	512	0.132	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1001	0.168	ug/L #	22
12) 1,1-Dichloroethene	2.15	96	255212	47.885	ug/L #	75
13) Acetone	2.22	43	2439	2.575	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	929	0.158	ug/L	89
19) 1,1-Dichloroethane	3.23	63	42441	4.234	ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	193342	32.501	ug/L	98
25) Chloroform	4.43	83	7382	0.681	ug/L	92
29) 1,1,1-Trichloroethane	4.66	97	17131	1.783	ug/L	99
31) Carbon tetrachloride	4.88	117	6899	0.815	ug/L	94
34) Trichloroethene	5.96	95	301767	46.063	ug/L	96
35) Methylcyclohexane	6.12	83	7728	0.787	ug/L #	18
37) 1,2-Dichloropropane	6.13	63	3494	0.598	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	714	0.091	ug/L #	47
45) 1,1,2-Trichloroethane	7.89	97	1555	0.369	ug/L	95
47) Tetrachloroethene	8.02	164	235003	38.712	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100418\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

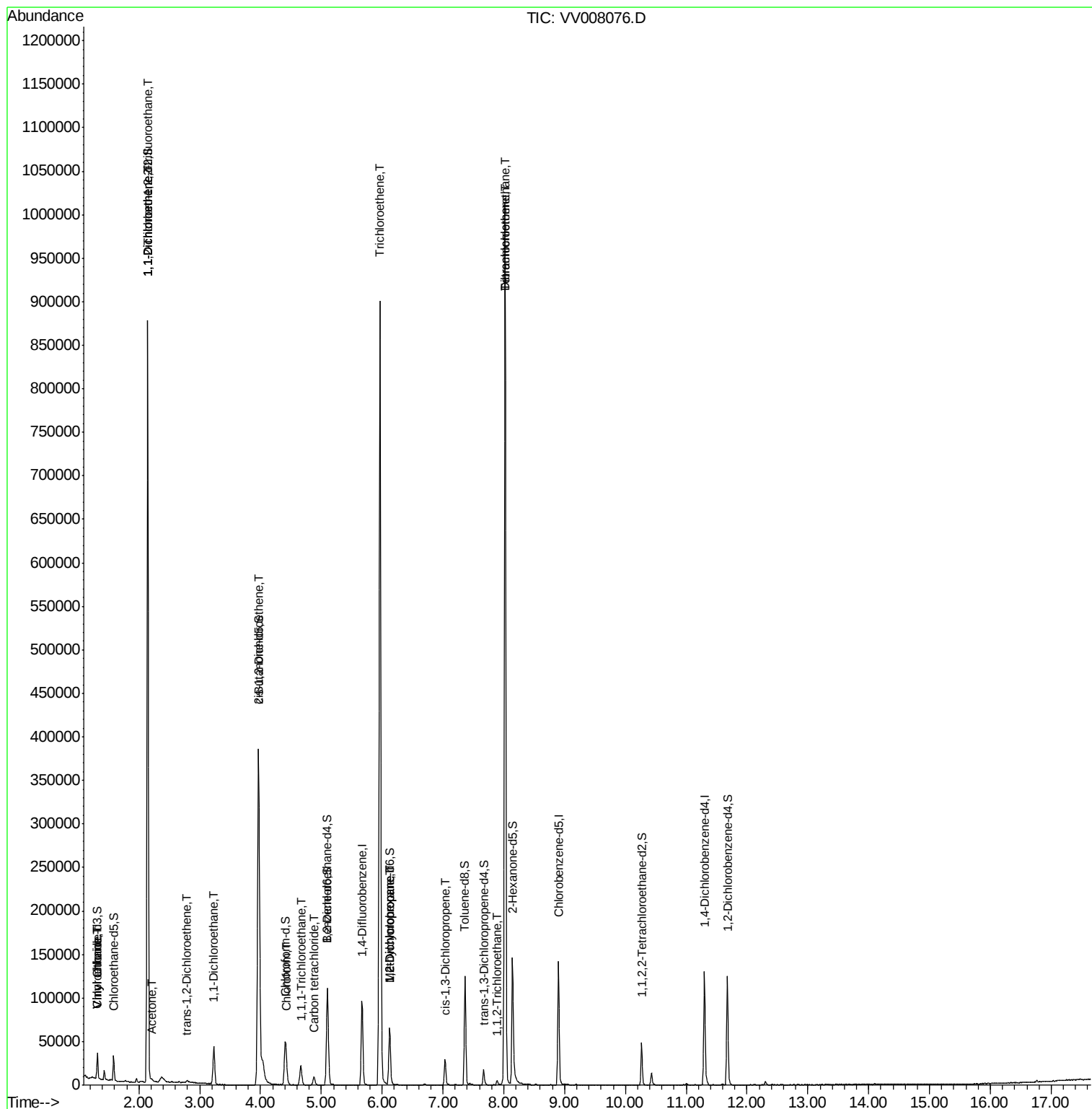
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	199012	41.331	ug/L #	12
-----	-----	-----	-----	-----	-----	-----

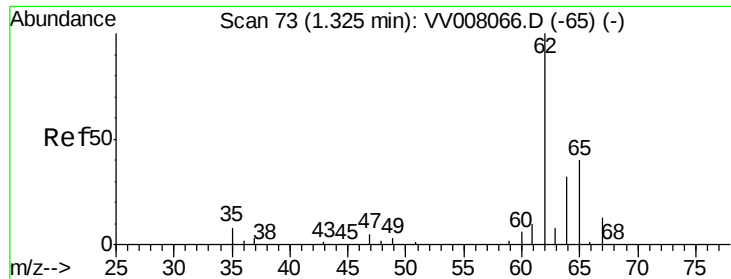
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.113 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_V

ClientSampleId :

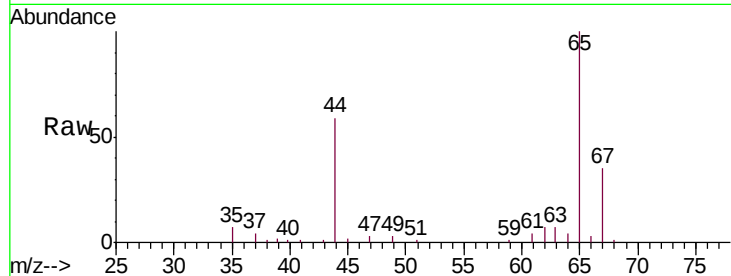
C0J78

Tgt Ion: 62 Resp: 728

Ion Ratio Lower Upper

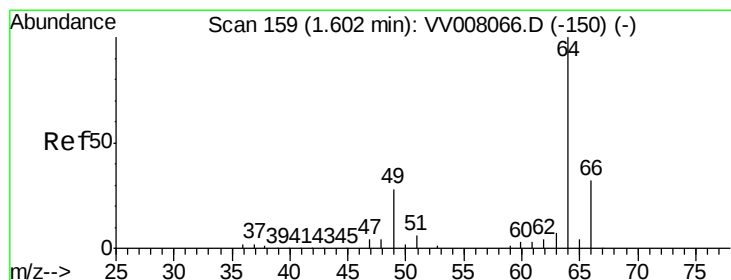
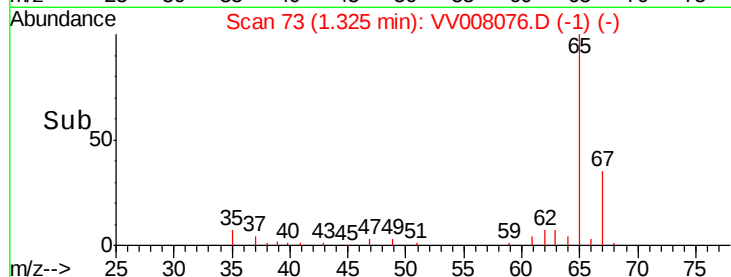
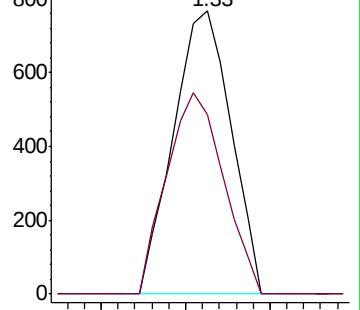
62 100

64 63.5 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008076.D

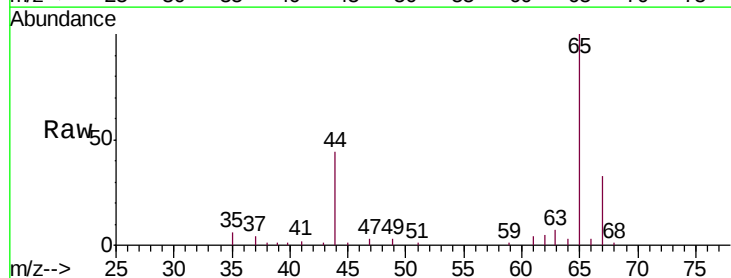
Acq: 04 Oct 2018 21:57

Tgt Ion: 64 Resp: 512

Ion Ratio Lower Upper

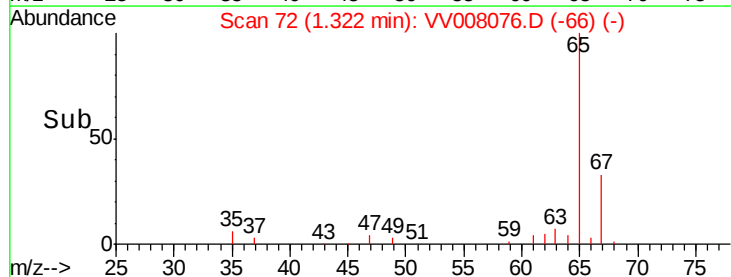
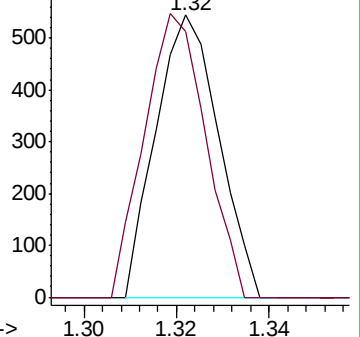
64 100

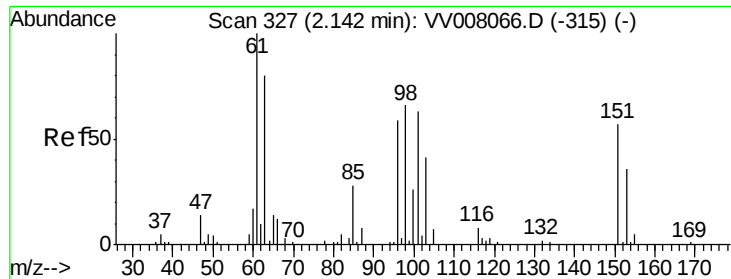
66 94.5 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.168 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_V

ClientSampleId :

C0J78

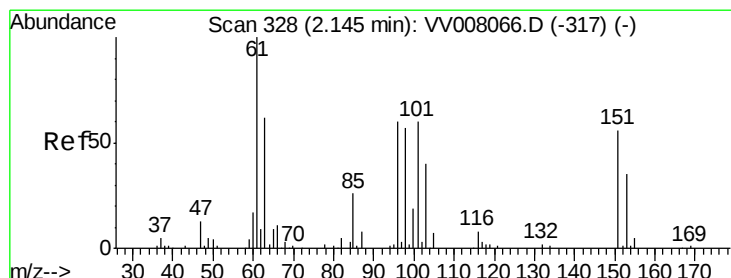
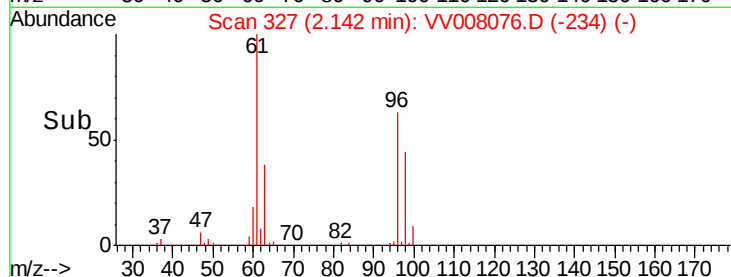
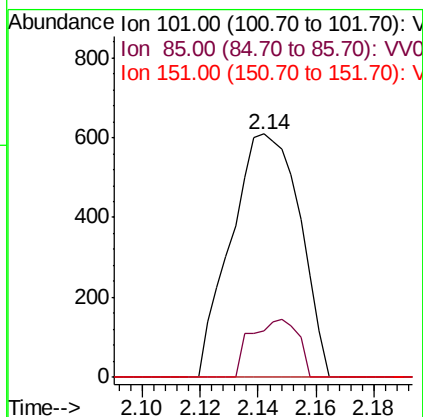
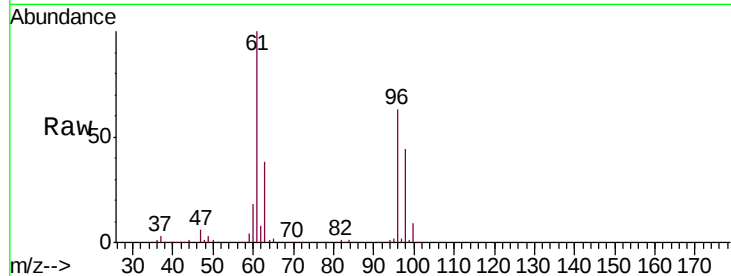
Tgt Ion:101 Resp: 1001

Ion Ratio Lower Upper

101 100

85 16.5 34.7 52.1#

151 0.0 72.2 108.2#



#12

1,1-Dichloroethene

Concen: 47.885 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

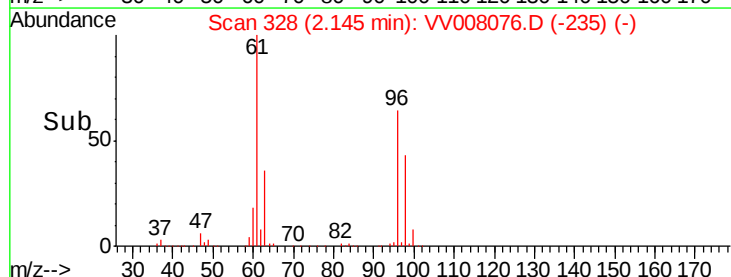
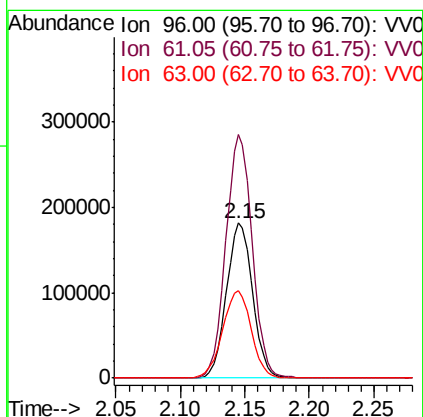
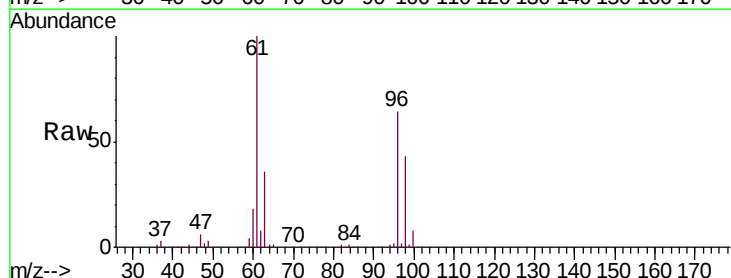
Tgt Ion: 96 Resp: 255212

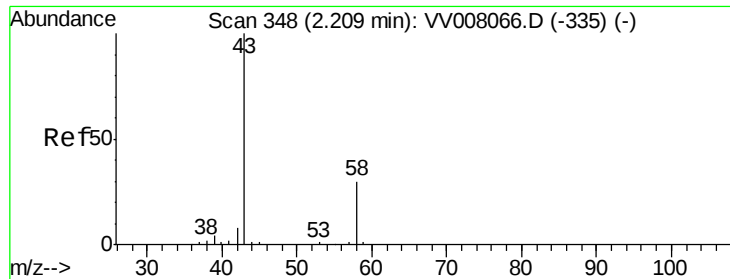
Ion Ratio Lower Upper

96 100

61 157.3 114.1 211.9

63 56.4 81.5 151.3#





#13

Acetone

Concen: 2.575 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_V

ClientSampleId :

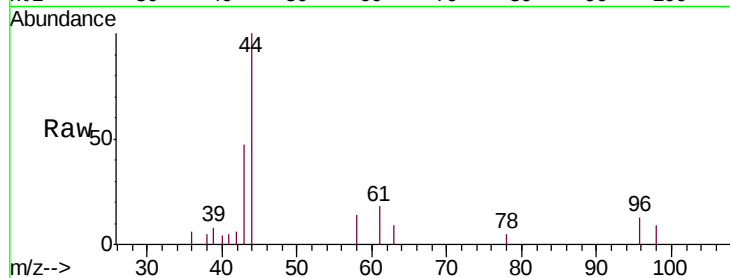
C0J78

Tgt Ion: 43 Resp: 2439

Ion Ratio Lower Upper

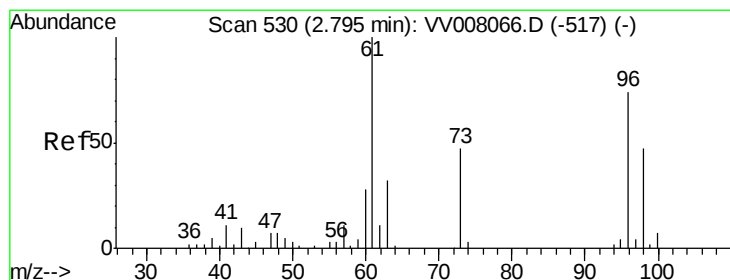
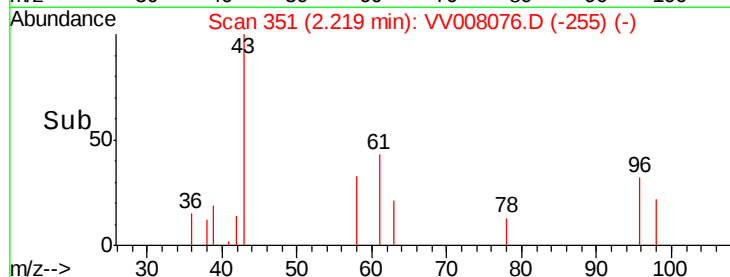
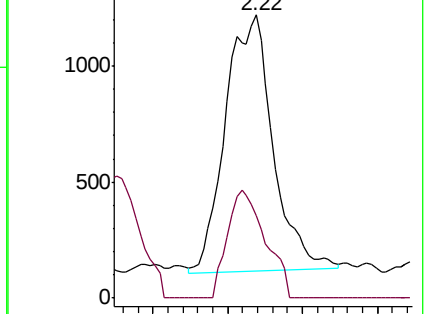
43 100

58 33.6 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV008066.D (-335) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.158 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

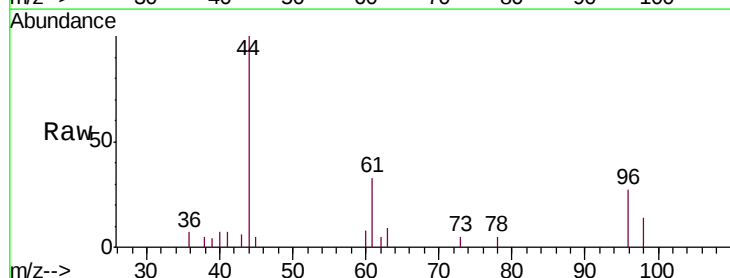
Tgt Ion: 96 Resp: 929

Ion Ratio Lower Upper

96 100

61 122.4 94.2 175.0

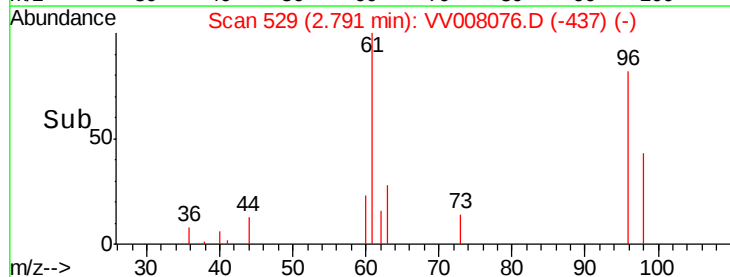
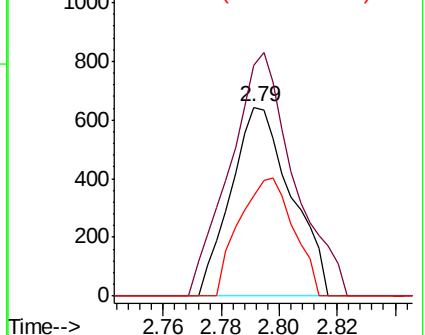
98 53.2 44.9 83.5

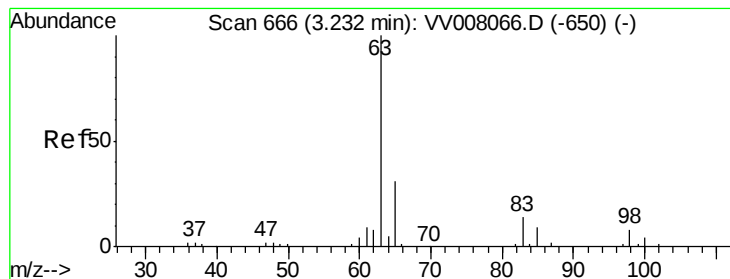


Abundance Ion 96.00 (95.70 to 96.70): VV008066.D (-517) (-)

Ion 61.05 (60.75 to 61.75): VV008066.D (-517) (-)

Ion 97.95 (97.65 to 98.65): VV008066.D (-517) (-)





#19

1,1-Dichloroethane

Concen: 4.234 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_V

ClientSampleId :

C0J78

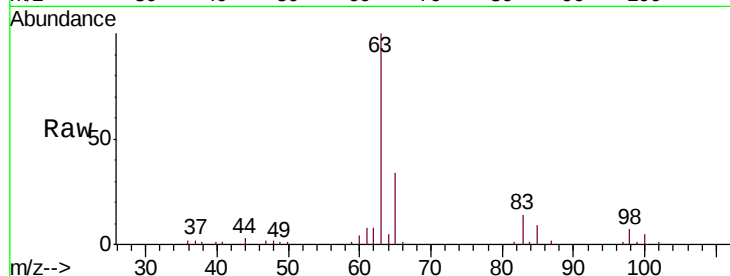
Tgt Ion: 63 Resp: 42441

Ion Ratio Lower Upper

63 100

65 34.1 22.3 41.5

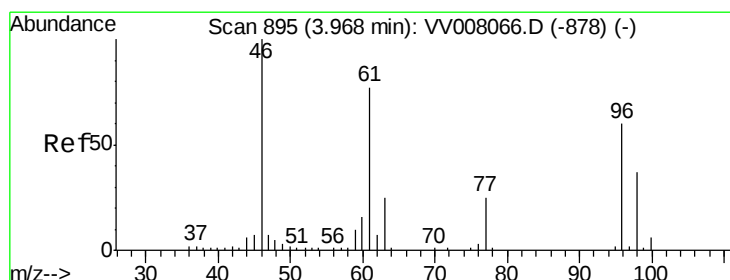
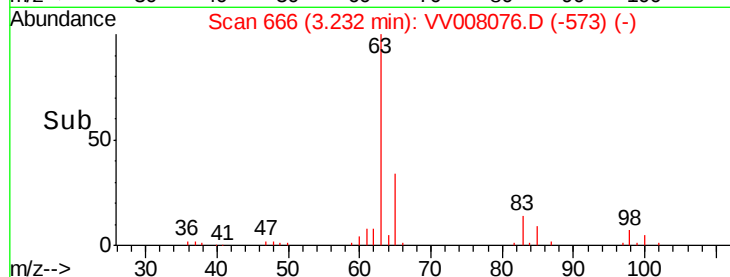
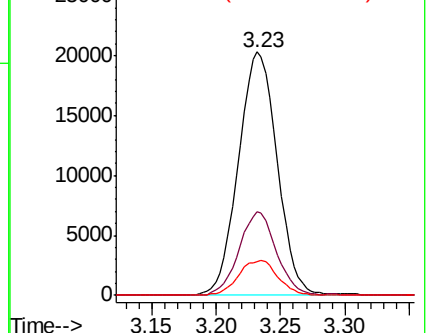
83 13.7 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV008076.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV008076.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008076.D (-650) (-)



#22

cis-1,2-Dichloroethene

Concen: 32.501 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

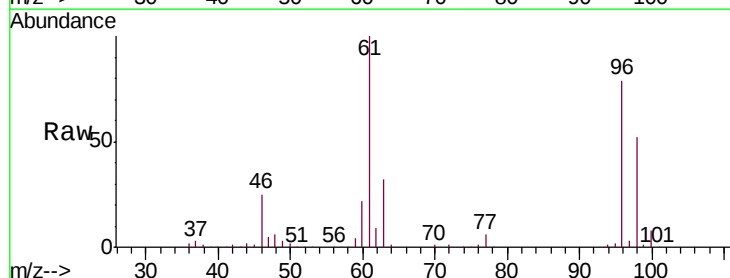
Tgt Ion: 96 Resp: 193342

Ion Ratio Lower Upper

96 100

61 126.1 89.5 166.1

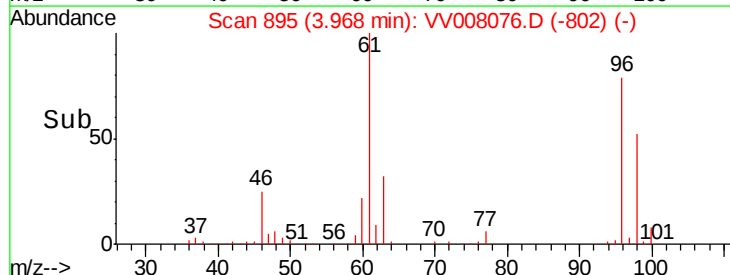
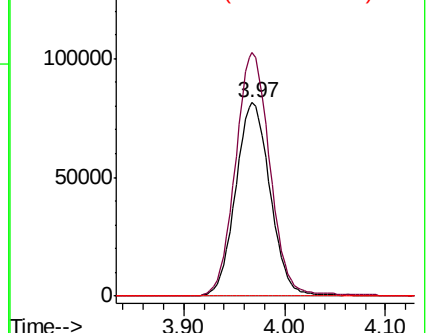
68 0.0 0.0 0.0

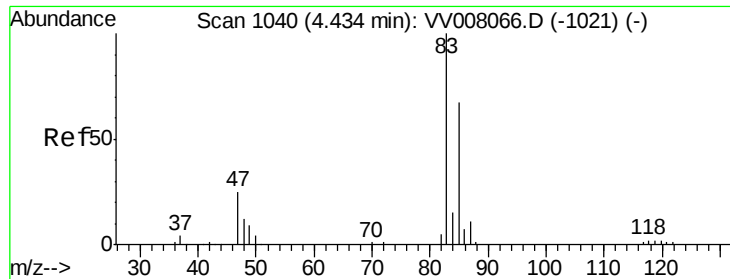


Abundance Ion 96.00 (95.70 to 96.70): VV008076.D (-802) (-)

Ion 61.05 (60.75 to 61.75): VV008076.D (-802) (-)

Ion 68.15 (67.85 to 68.85): VV008076.D (-802) (-)

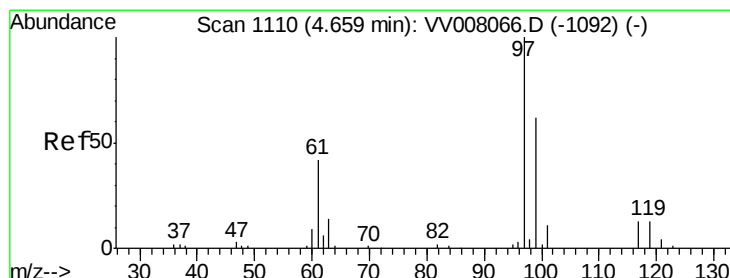
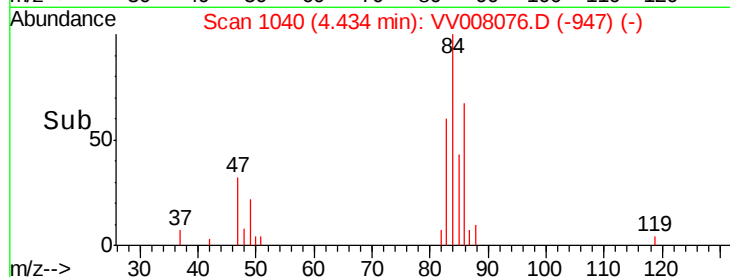
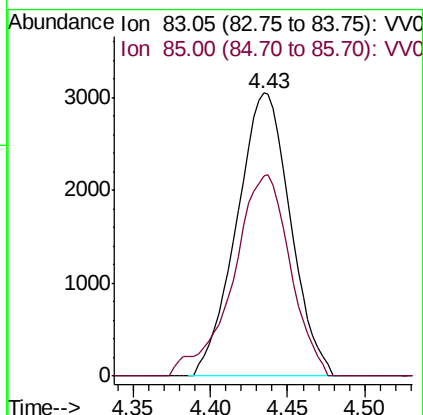
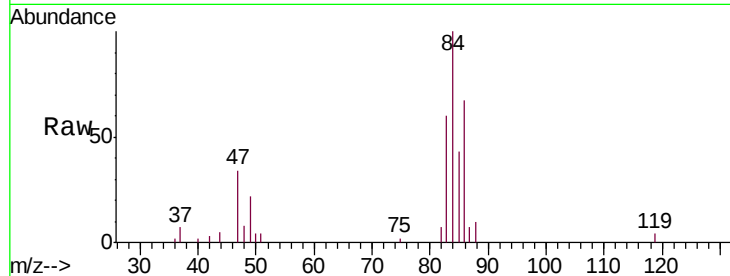




#25
Chloroform
Concen: 0.681 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008076.D
Acq: 04 Oct 2018 21:57

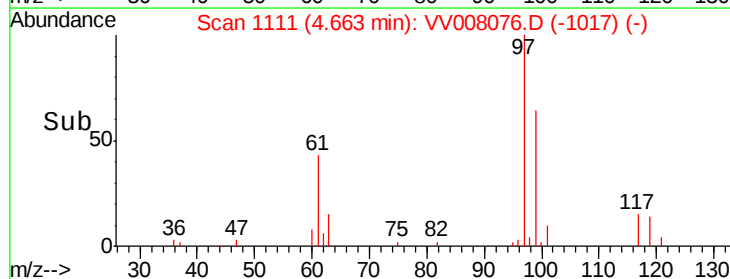
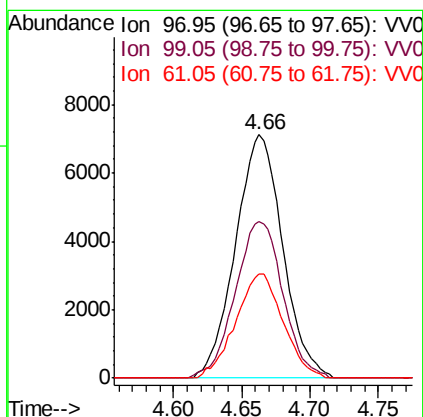
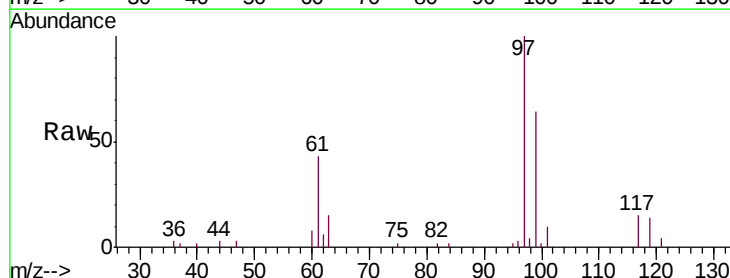
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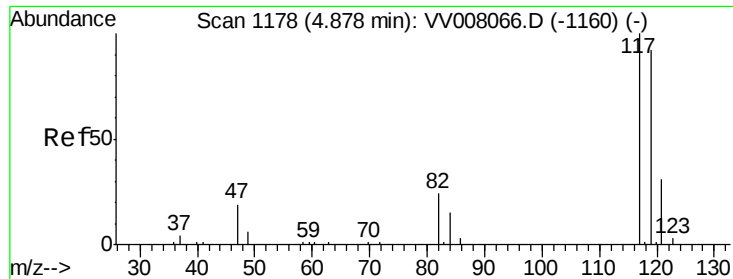
Tgt Ion: 83 Resp: 7382
Ion Ratio Lower Upper
83 100
85 70.6 44.8 83.2



#29
1,1,1-Trichloroethane
Concen: 1.783 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008076.D
Acq: 04 Oct 2018 21:57

Tgt Ion: 97 Resp: 17131
Ion Ratio Lower Upper
97 100
99 64.8 51.2 76.8
61 43.0 34.6 52.0





#31

Carbon tetrachloride

Concen: 0.815 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_V

ClientSampleId :

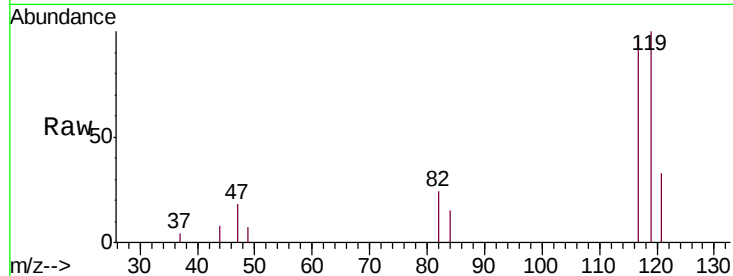
C0J78

Tgt Ion:117 Resp: 6899

Ion Ratio Lower Upper

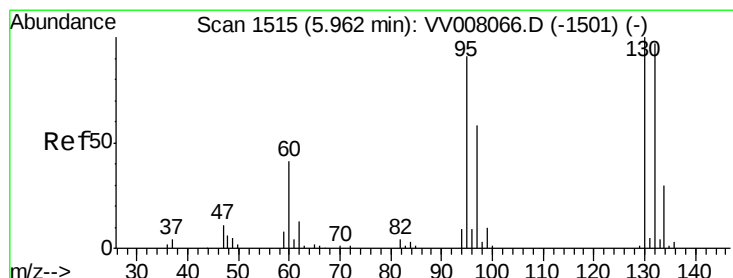
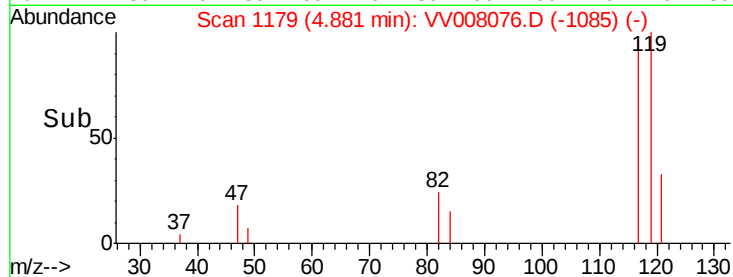
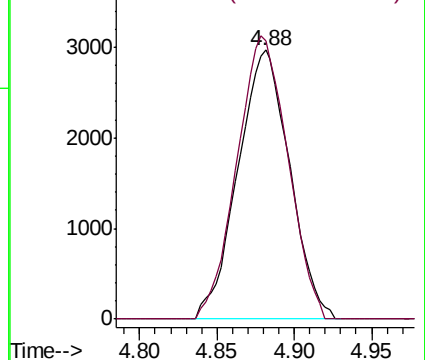
117 100

119 103.6 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 46.063 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Tgt Ion: 95 Resp: 301767

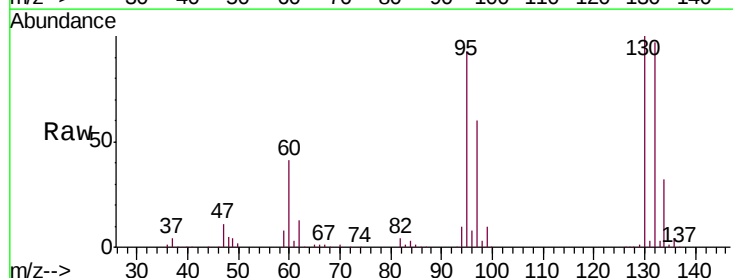
Ion Ratio Lower Upper

95 100

97 64.4 43.6 81.0

132 104.6 69.9 129.9

130 107.8 71.7 133.3

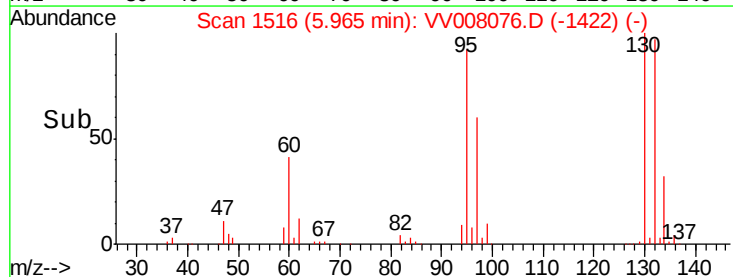
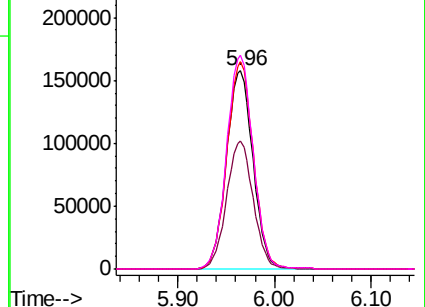


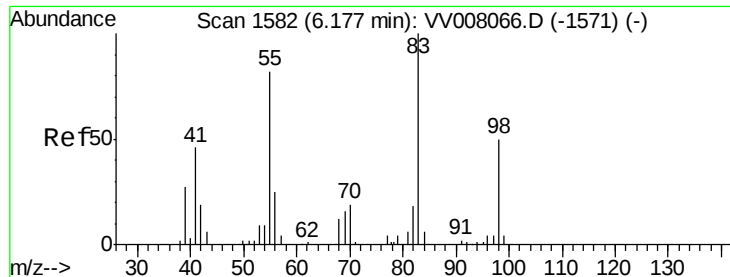
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

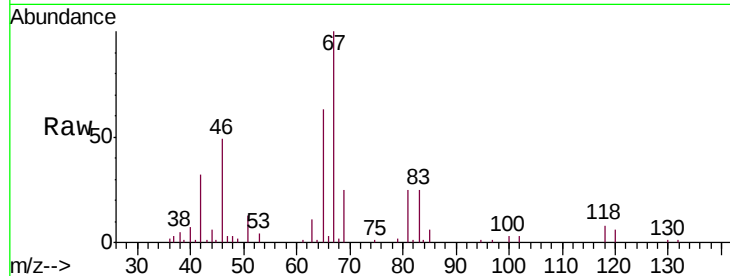




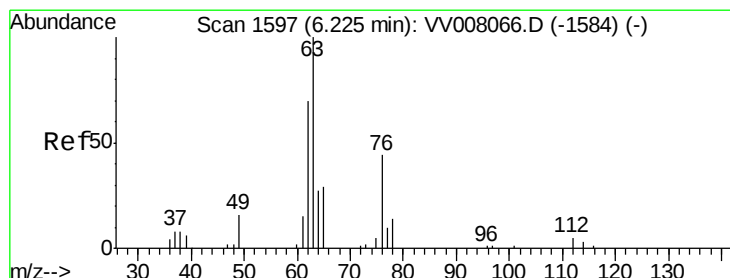
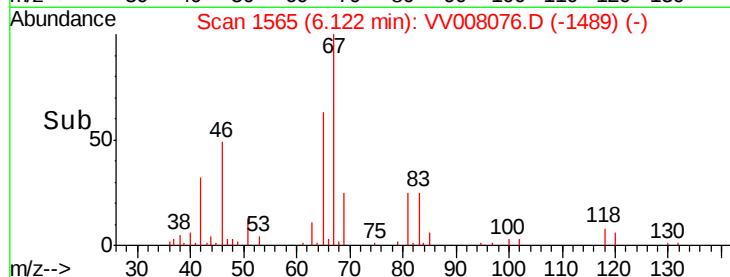
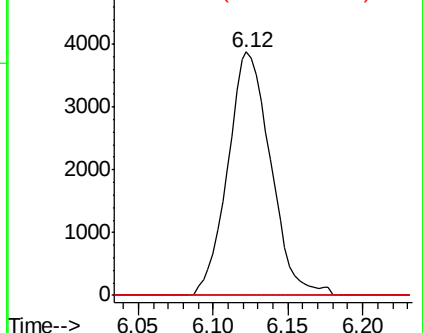
#35
Methylcyclohexane
Concen: 0.787 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008076.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_V
ClientSampled :
C0J78

Tgt Ion: 83 Resp: 7728
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 0.0 38.0 57.0#

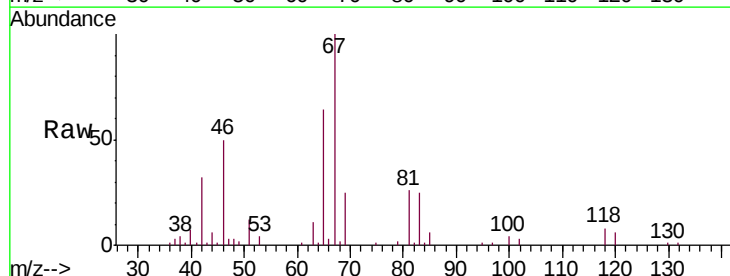


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

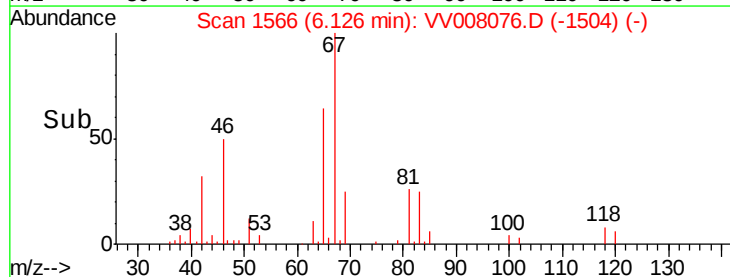
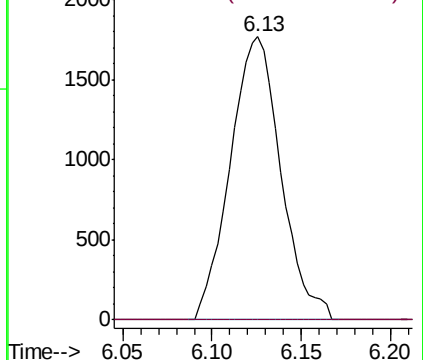


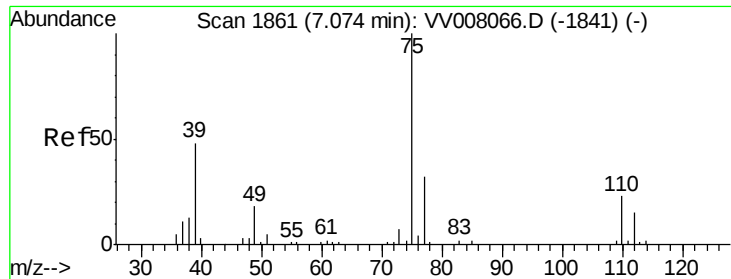
#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV008076.D
Acq: 04 Oct 2018 21:57

Tgt Ion: 63 Resp: 3494
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Instrument :

MSVOA_V

ClientSampleId :

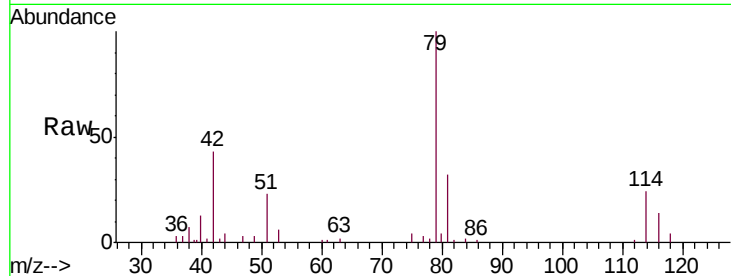
C0J78

Tgt Ion: 75 Resp: 714

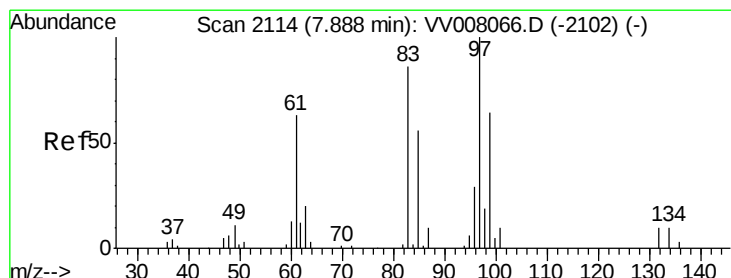
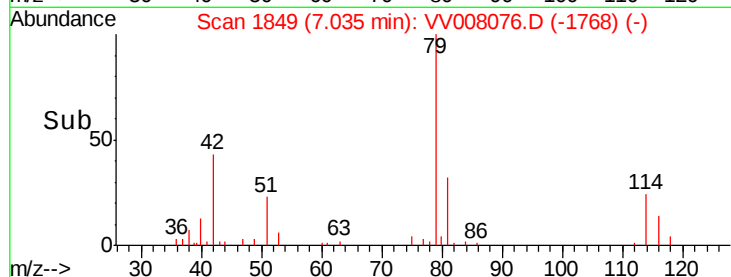
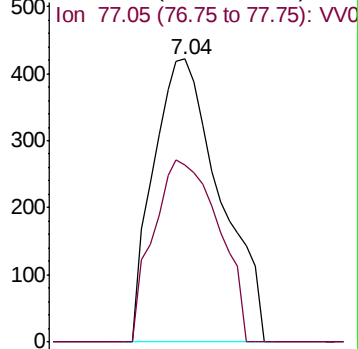
Ion Ratio Lower Upper

75 100

77 62.3 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV008066.D (-1841) (-)



#45

1,1,2-Trichloroethane

Concen: 0.369 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008076.D

Acq: 04 Oct 2018 21:57

Tgt Ion: 97 Resp: 1555

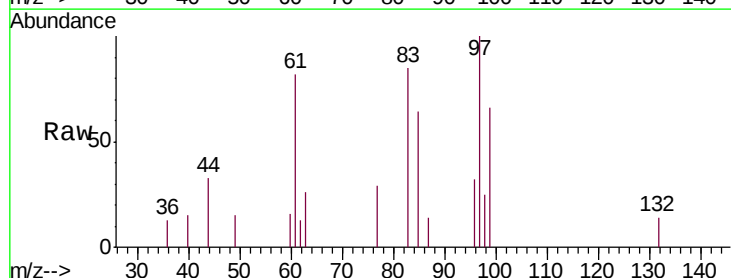
Ion Ratio Lower Upper

97 100

99 65.6 43.5 80.9

83 84.6 59.7 110.9

85 64.3 39.5 73.3

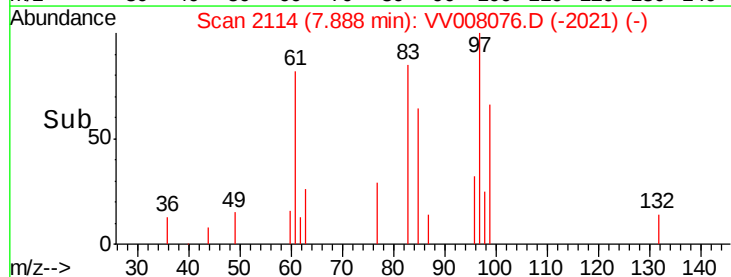
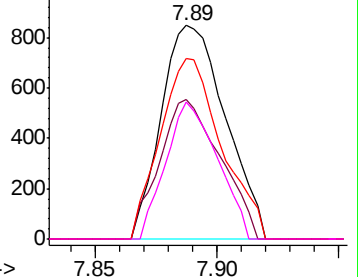


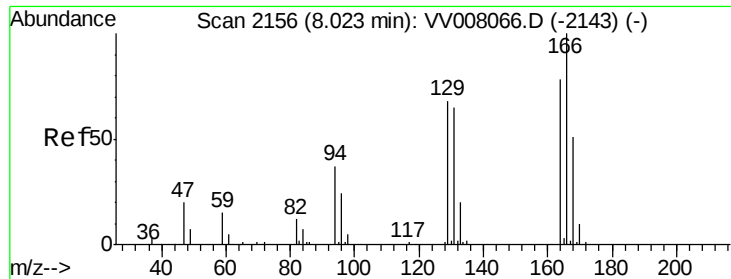
Abundance Ion 96.95 (96.65 to 97.65): VV008066.D (-2102) (-)

Ion 99.05 (98.75 to 99.75): VV008066.D (-2102) (-)

Ion 82.95 (82.65 to 83.65): VV008066.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV008066.D (-2102) (-)

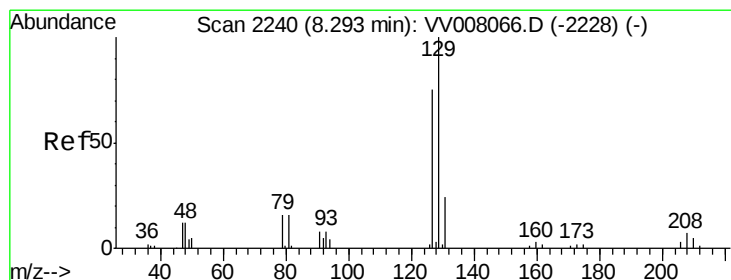
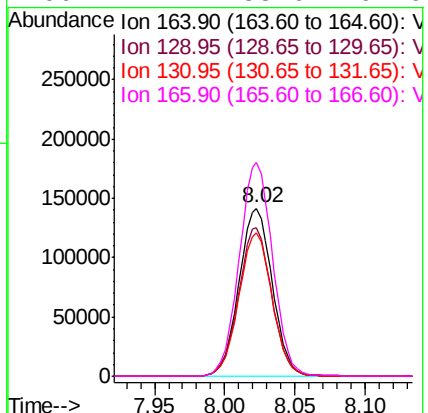
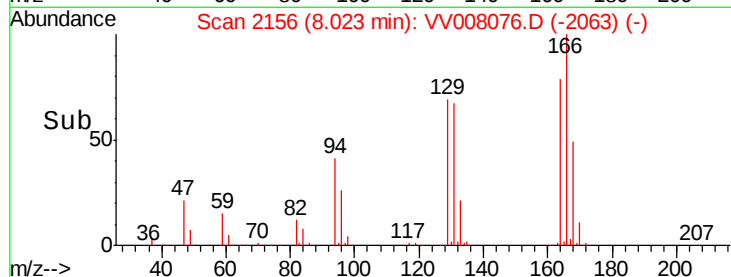
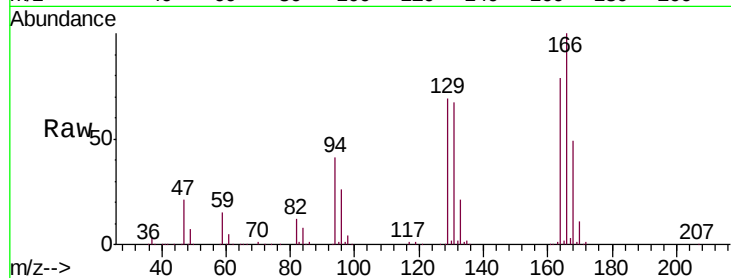




#47
Tetrachloroethene
Concen: 38.712 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008076.D
Acq: 04 Oct 2018 21:57

Instrument :
MSVOA_V
ClientSampleId :
C0J78

Tgt Ion	Ratio	Lower	Upper
164	100		
129	88.2	59.2	110.0
131	85.3	57.1	106.1
166	127.1	88.6	164.6



#49
Dibromochloromethane
Concen: 41.331 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008076.D
Acq: 04 Oct 2018 21:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.1	98.5#

