

Data File : VV008072.D
Acq On : 04 Oct 2018 20:07
Operator : SY/MD
Sample : J5247-02
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J90

Quant Time: Oct 05 05:57:27 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	79847	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	75292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	37550	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16669	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.59	69	16402	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.14	63	28631	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	3.96	46	71388	55.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.90%
24) Chloroform-d	4.41	84	46483	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.09	65	25393	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	86647	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.12	67	29035	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.36	98	77816	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.67	79	9362	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.14	63	45149	46.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.24%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22137	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	34994	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.33	62	2294	0.360	ug/L	92
8) Chloroethane	1.32	64	929	0.241	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	4479	0.758	ug/L	97
12) 1,1-Dichloroethene	2.15	96	1989	0.377	ug/L #	1
13) Acetone	2.21	43	2533	2.700	ug/L	95
15) Methyl Acetate	2.39	43	6669	2.780	ug/L #	51
17) Methyl tert-butyl Ether	2.82	73	17541	1.345	ug/L	99
18) trans-1,2-Dichloroethene	2.80	96	2044	0.351	ug/L	95
19) 1,1-Dichloroethane	3.23	63	1628	0.164	ug/L #	85
21) 2-Butanone	4.04	43	2846	1.904	ug/L #	55
22) cis-1,2-Dichloroethene	3.97	96	91547	15.540	ug/L	97
34) Trichloroethene	5.96	95	61899	10.027	ug/L	96
35) Methylcyclohexane	6.13	83	6929	0.749	ug/L #	22
37) 1,2-Dichloropropane	6.12	63	3193	0.580	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	776	0.105	ug/L #	79
42) Toluene	7.43	91	1844	0.079	ug/L	99
47) Tetrachloroethene	8.02	164	11674	2.041	ug/L	96

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

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QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

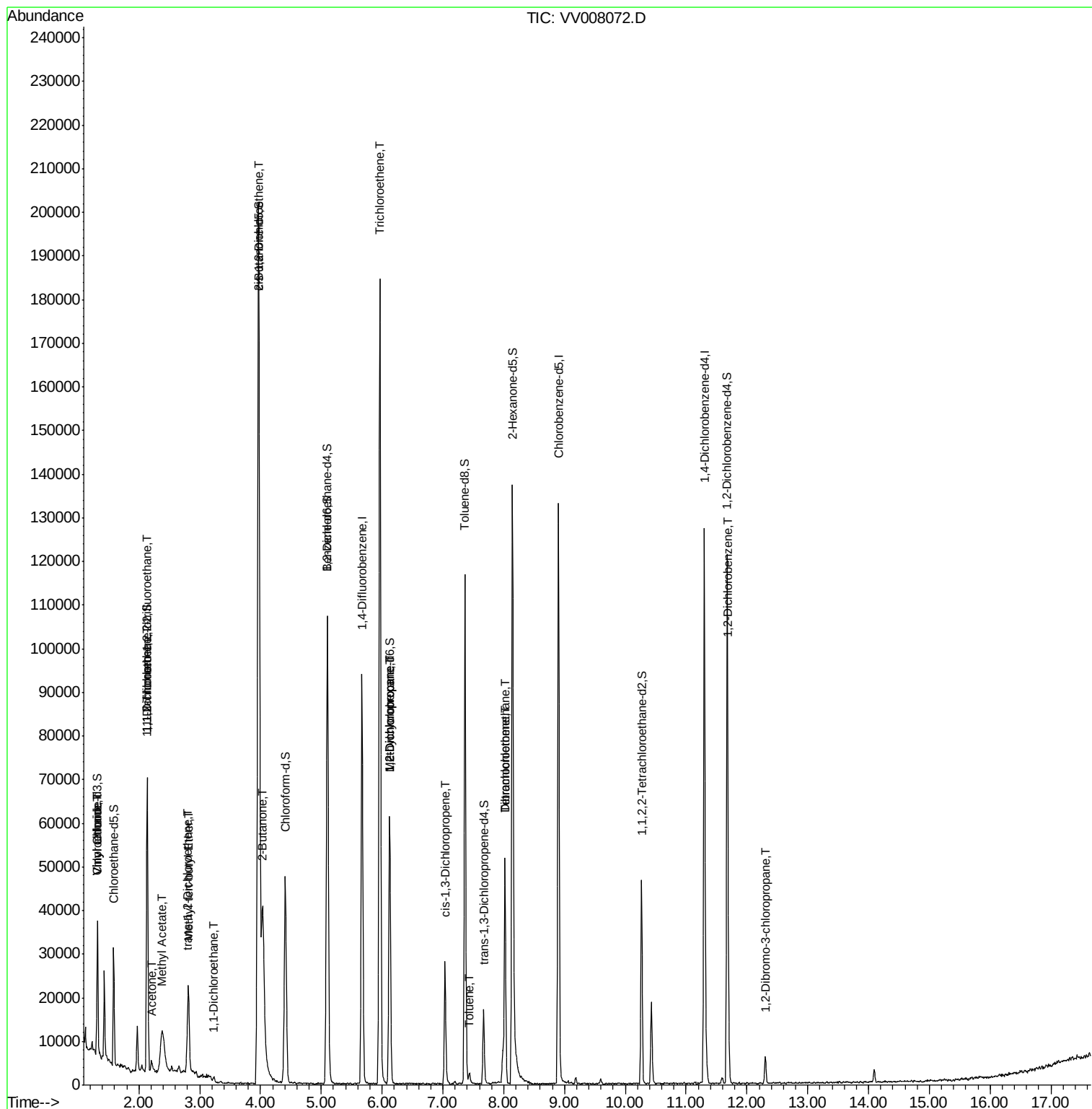
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	10510	2.316	ug/L #	12
65) 1,2-Dichlorobenzene	11.69	146	3072	0.263	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.31	75	109	0.183	ug/L #	1

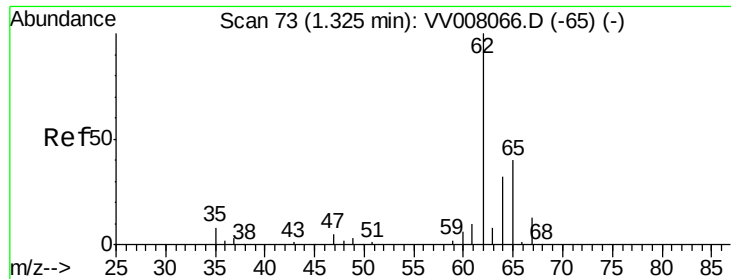
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.360 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008072.D

Acq: 04 Oct 2018 20:07

Instrument :

MSVOA_V

ClientSampled :

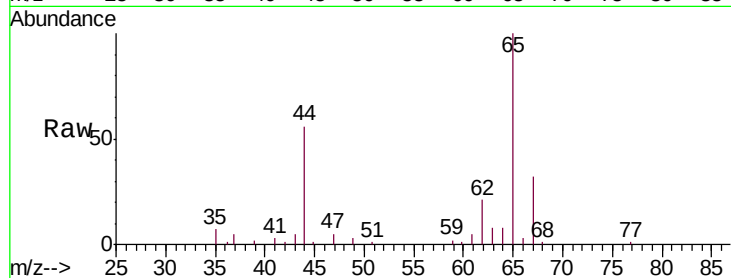
C0J90

Tgt Ion: 62 Resp: 2294

Ion Ratio Lower Upper

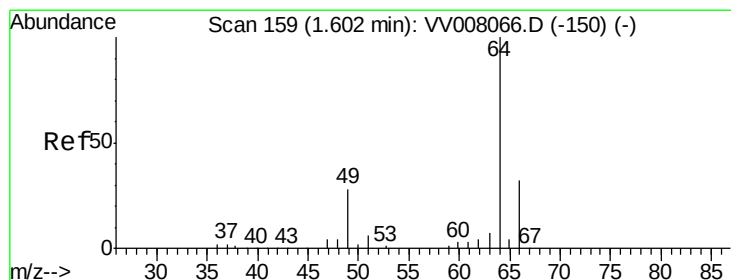
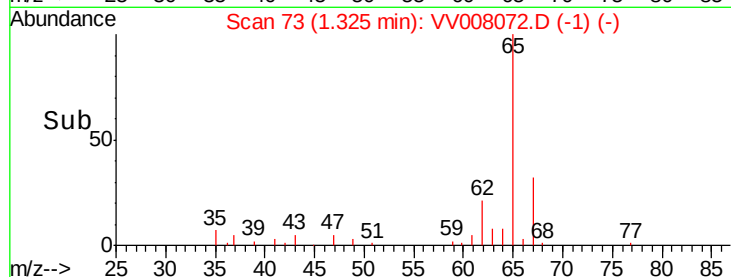
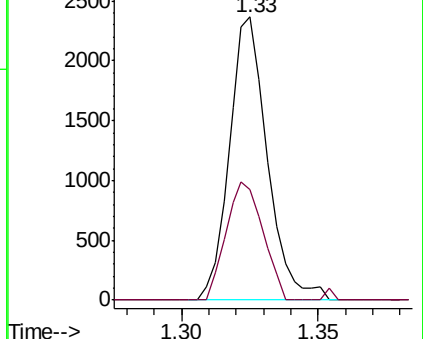
62 100

64 39.2 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: 0.241 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008072.D

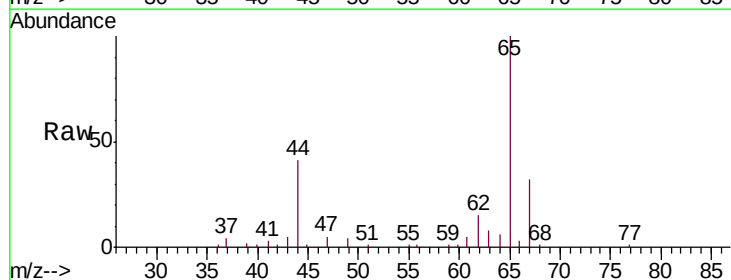
Acq: 04 Oct 2018 20:07

Tgt Ion: 64 Resp: 929

Ion Ratio Lower Upper

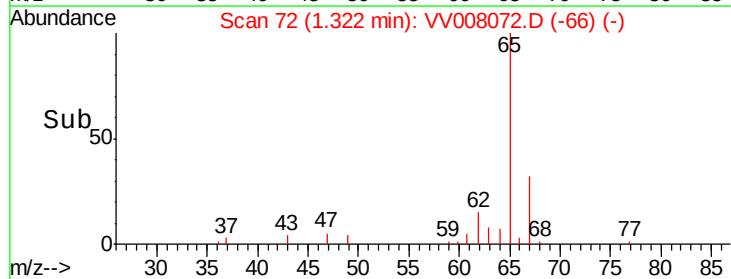
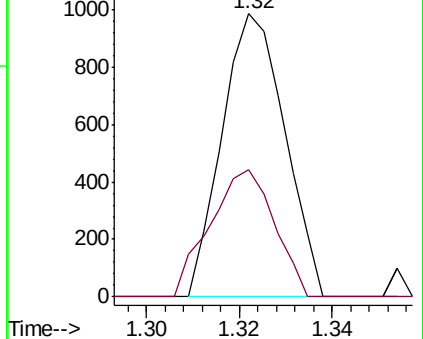
64 100

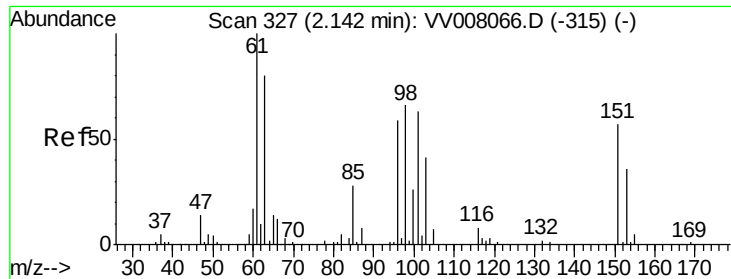
66 44.9 23.1 42.9#



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: 0.758 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008072.D

Acq: 04 Oct 2018 20:07

Instrument :

MSVOA_V

ClientSampled :

C0J90

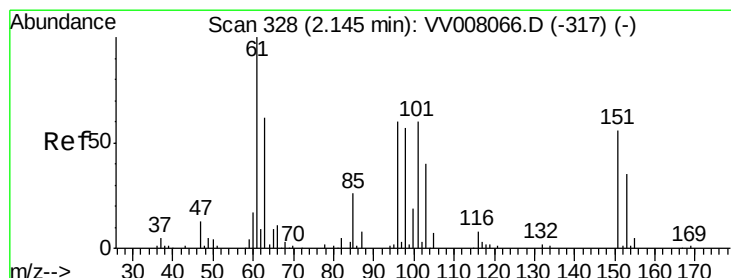
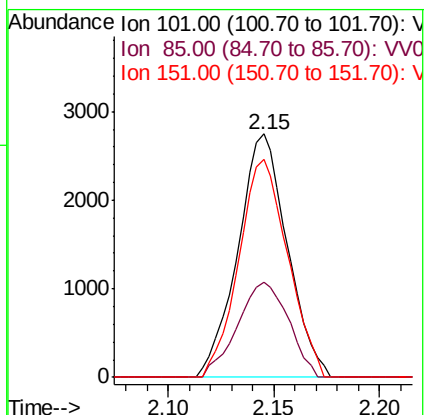
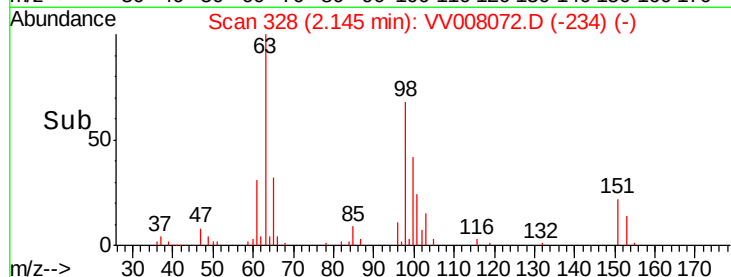
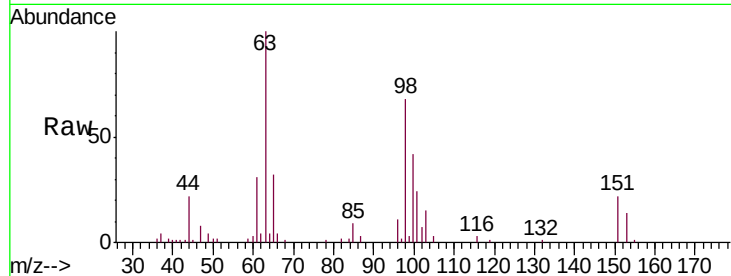
Tgt Ion: 101 Resp: 4479

Ion Ratio Lower Upper

101 100

85 40.1 34.7 52.1

151 88.6 72.2 108.2



#12

1,1-Dichloroethene

Concen: 0.377 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV008072.D

Acq: 04 Oct 2018 20:07

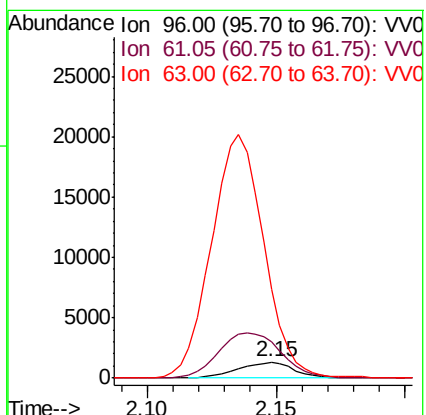
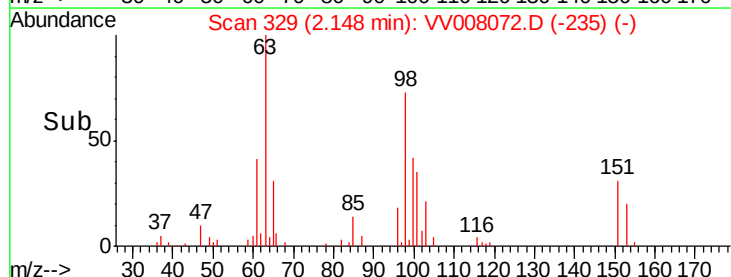
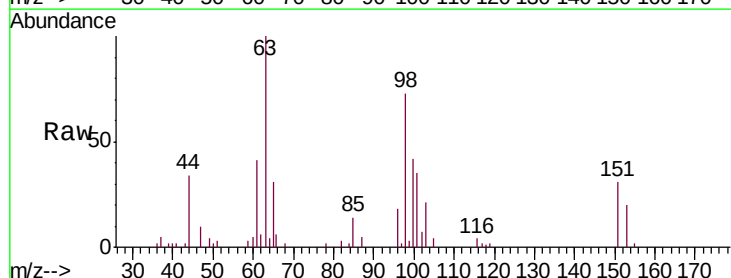
Tgt Ion: 96 Resp: 1989

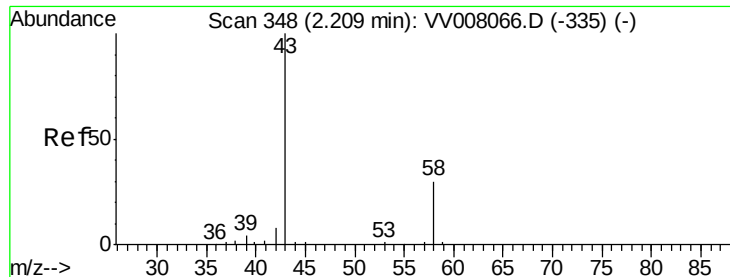
Ion Ratio Lower Upper

96 100

61 230.1 114.1 211.9#

63 561.6 81.5 151.3#





#13

Acetone

Concen: 2.700 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV008072.D

Acq: 04 Oct 2018 20:07

Instrument :

MSVOA_V

ClientSampleId :

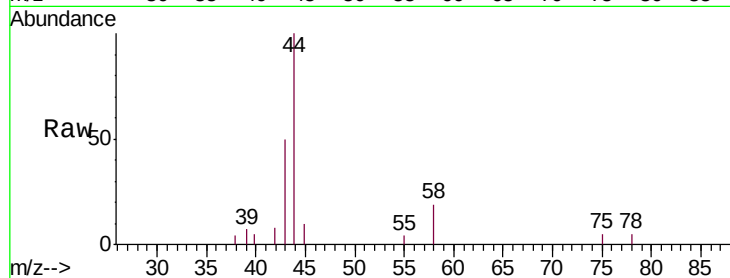
C0J90

Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

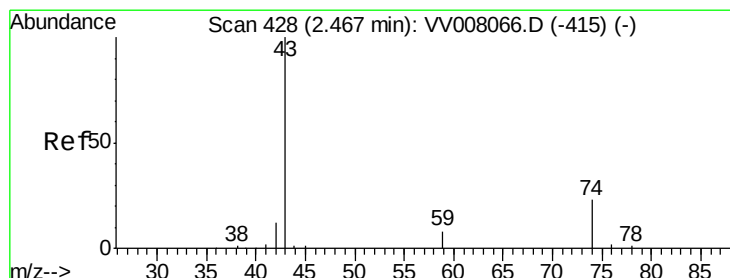
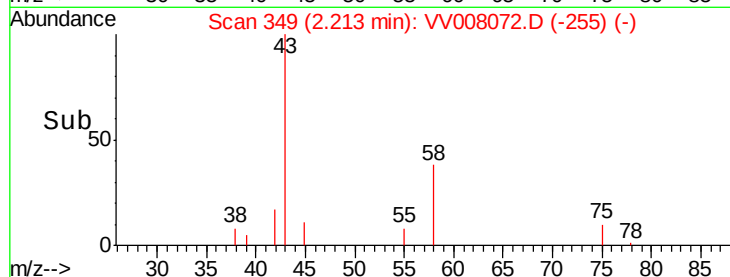
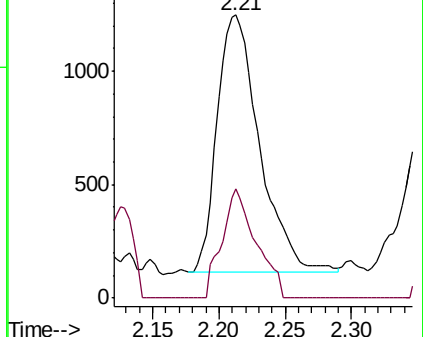
43 100

58 33.9 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) (-)



#15

Methyl Acetate

Concen: 2.780 ug/L

RT: 2.39 min Scan# 404

Delta R.T. -0.08 min

Lab File: VV008072.D

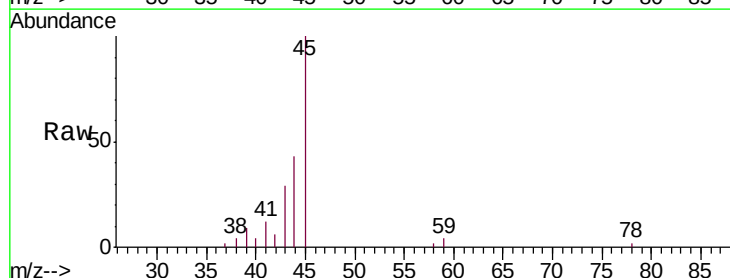
Acq: 04 Oct 2018 20:07

Tgt Ion: 43 Resp: 6669

Ion Ratio Lower Upper

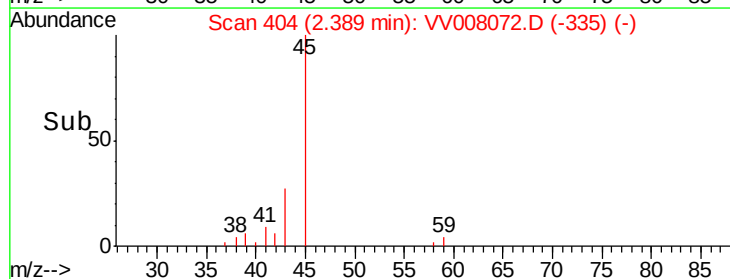
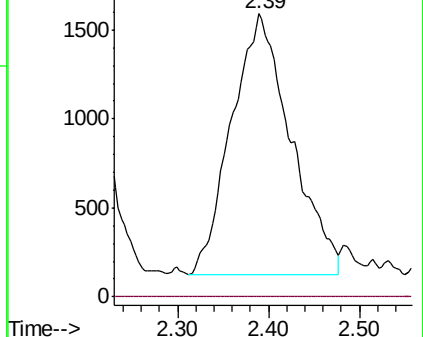
43 100

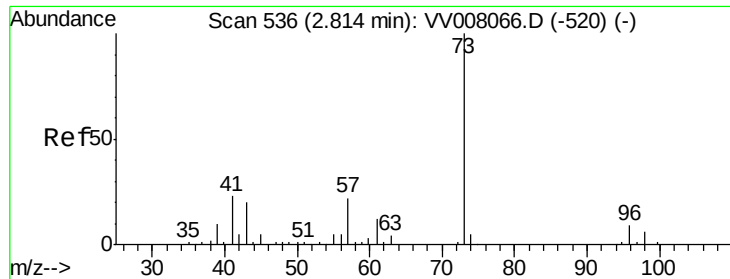
74 0.0 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VV008066.D (-415) (-)

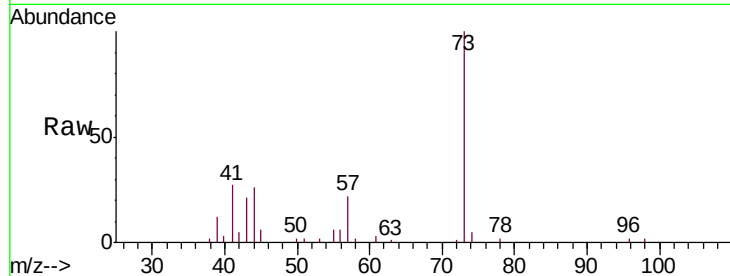




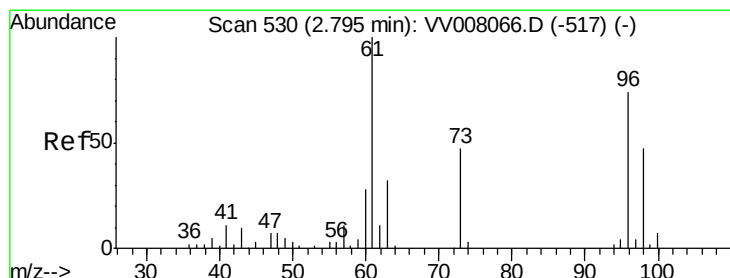
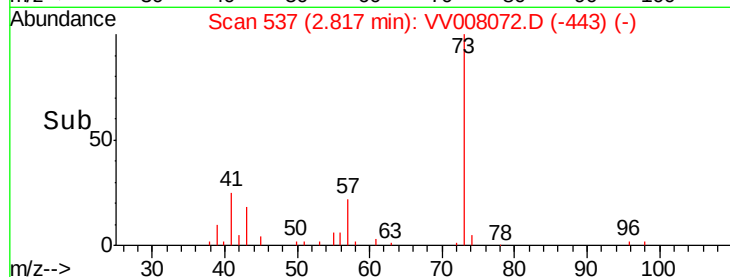
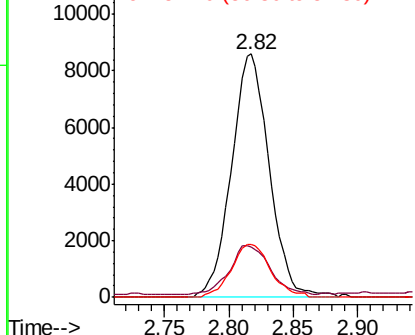
#17
Methyl tert-butyl Ether
Concen: 1.345 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Instrument :
MSVOA_V
ClientSampleId :
C0J90

Tgt Ion: 73 Resp: 17541
Ion Ratio Lower Upper
73 100
43 20.9 16.8 25.2
57 22.6 17.6 26.4

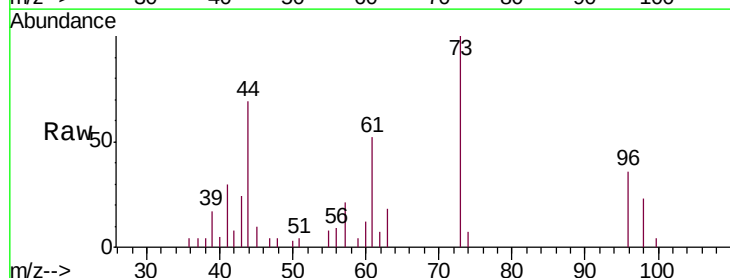


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

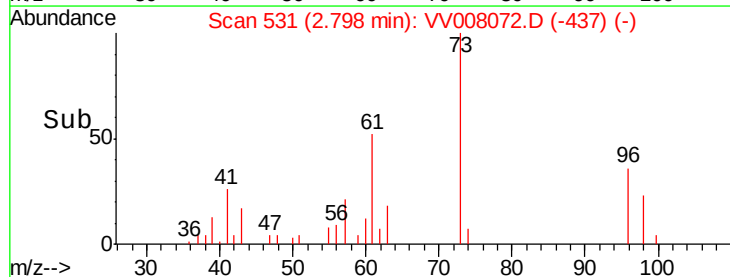
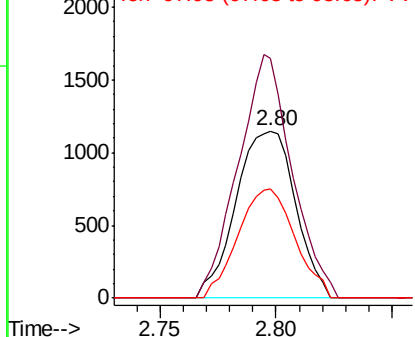


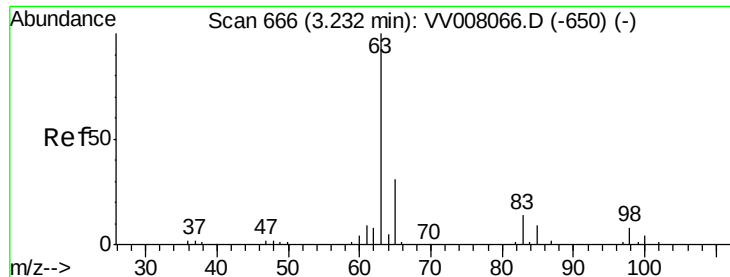
#18
trans-1,2-Dichloroethene
Concen: 0.351 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Tgt Ion: 96 Resp: 2044
Ion Ratio Lower Upper
96 100
61 143.0 94.2 175.0
98 64.9 44.9 83.5



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

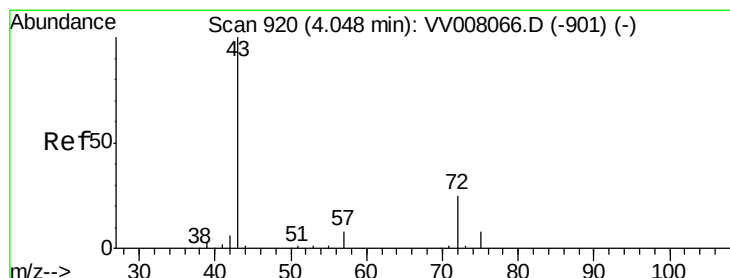
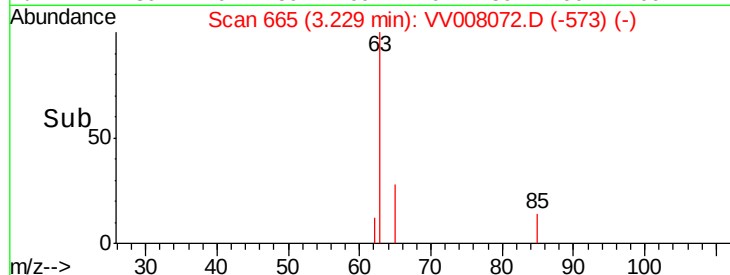
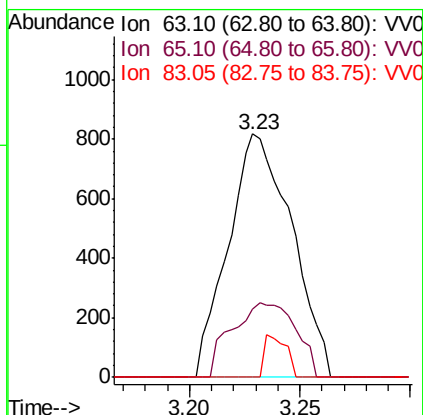
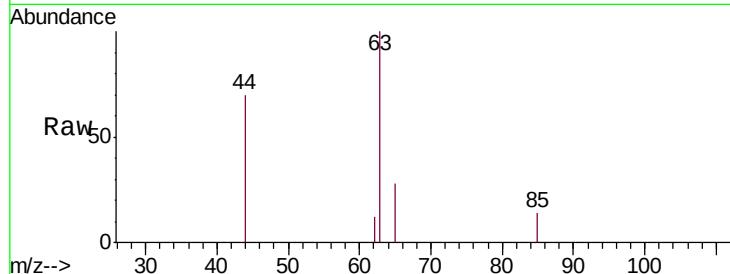




#19
 1,1-Dichloroethane
 Concen: 0.164 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008072.D
 Acq: 04 Oct 2018 20:07

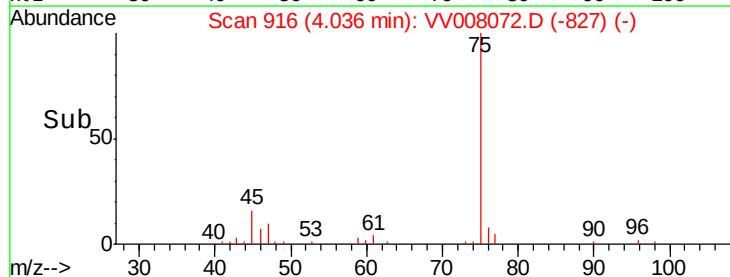
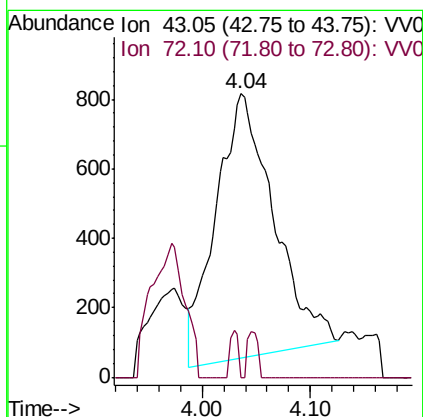
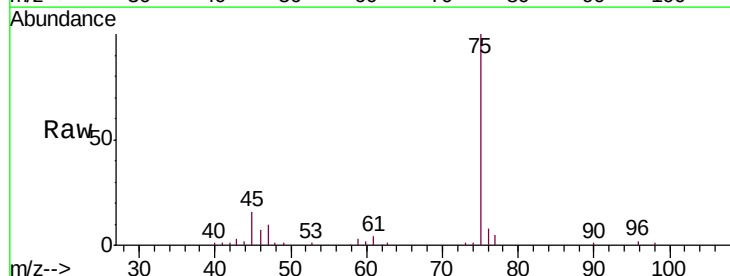
Instrument :
 MSVOA_V
 ClientSampled :
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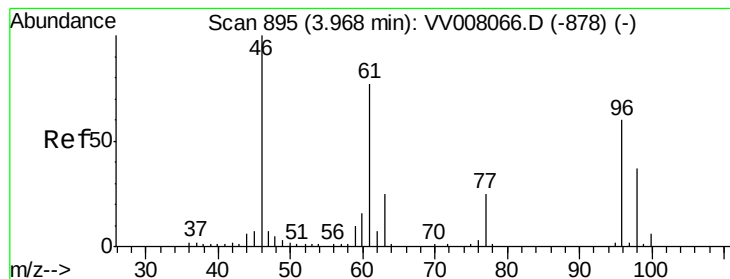
Tgt Ion: 63 Resp: 1628
 Ion Ratio Lower Upper
 63 100
 65 28.2 22.3 41.5
 83 0.0 9.8 18.2#



#21
 2-Butanone
 Concen: 1.904 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV008072.D
 Acq: 04 Oct 2018 20:07

Tgt Ion: 43 Resp: 2846
 Ion Ratio Lower Upper
 43 100
 72 2.5 12.5 37.5#



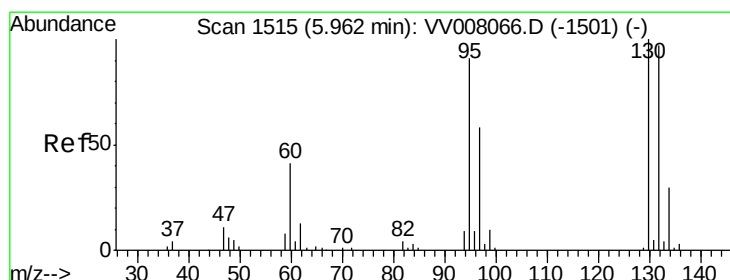
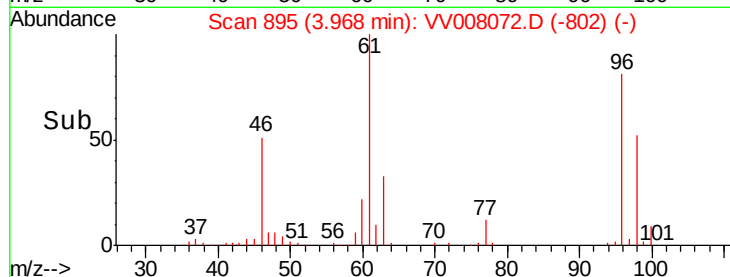
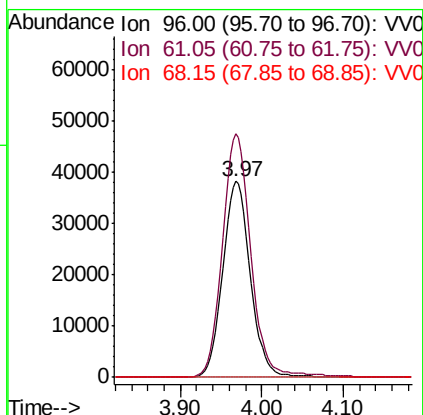
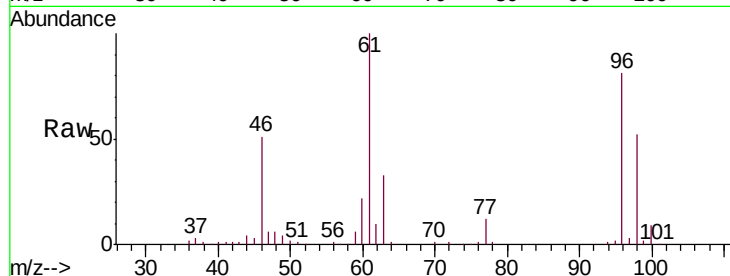


#22

cis-1,2-Dichloroethene
Concen: 15.540 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Instrument :
MSVOA_V
ClientSampleId :
C0J90

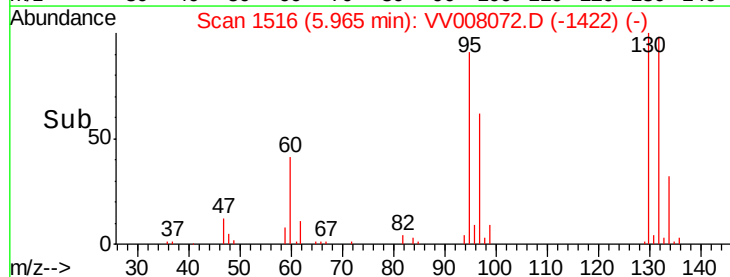
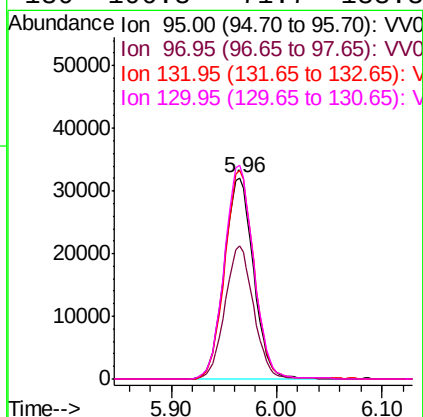
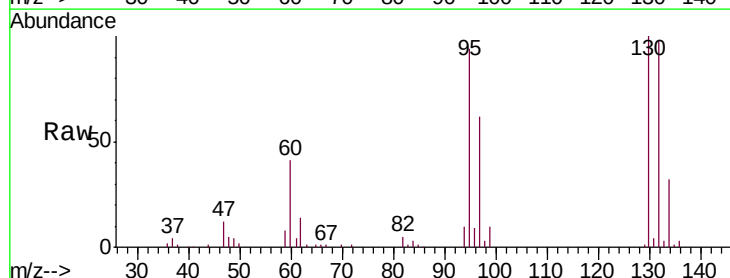
Tgt Ion: 96 Resp: 91547
Ion Ratio Lower Upper
96 100
61 124.1 89.5 166.1
68 0.0 0.0 0.0

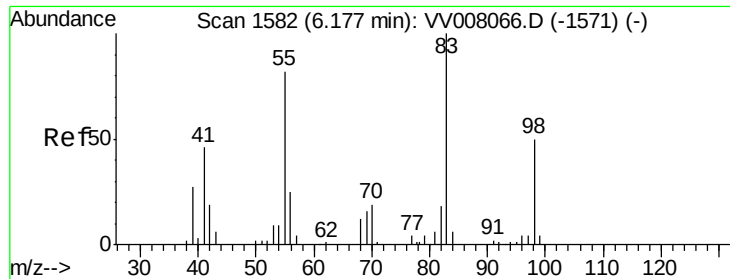


#34

Trichloroethene
Concen: 10.027 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Tgt Ion: 95 Resp: 61899
Ion Ratio Lower Upper
95 100
97 66.2 43.6 81.0
132 103.7 69.9 129.9
130 106.3 71.7 133.3

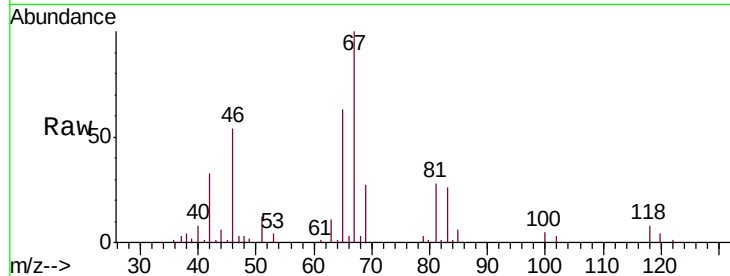




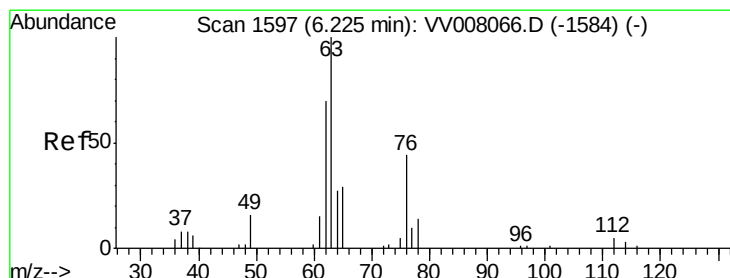
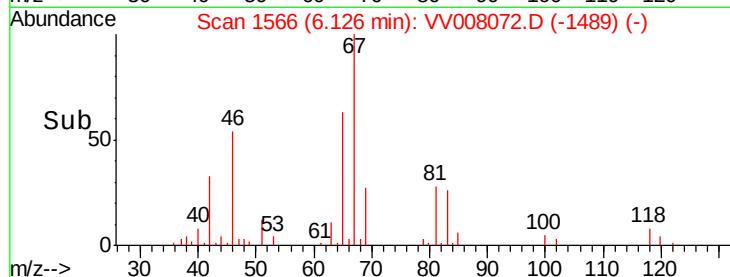
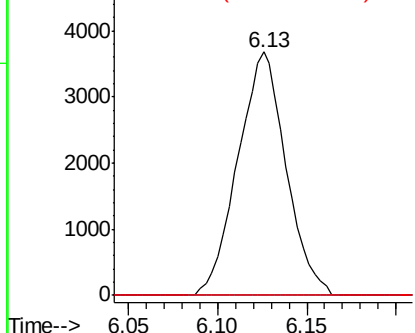
#35
Methylcyclohexane
Concen: 0.749 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Instrument :
MSVOA_V
ClientSampleId :
C0J90

Tgt Ion: 83 Resp: 6929
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 8.3 38.0 57.0#

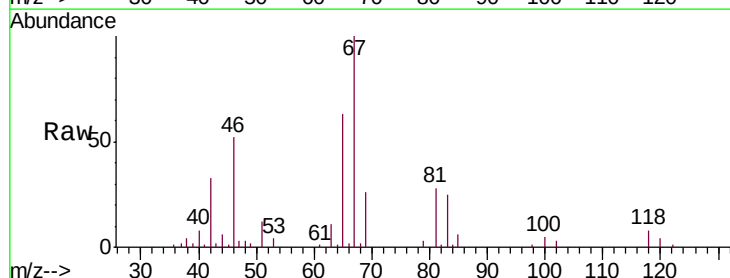


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

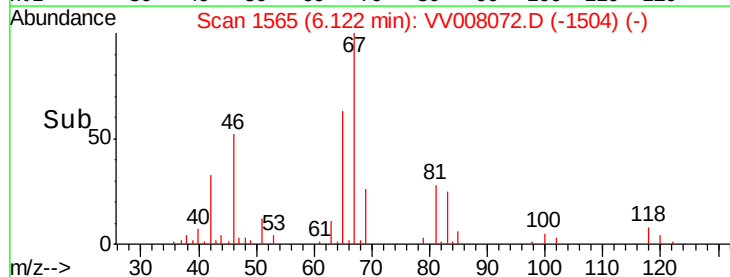
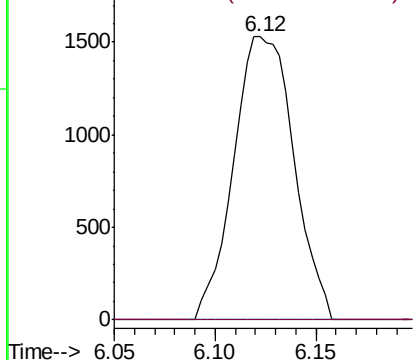


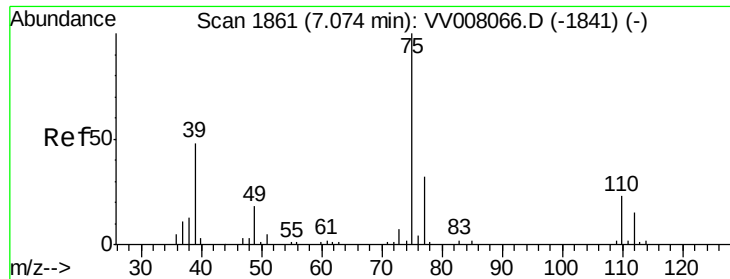
#37
1,2-Dichloropropane
Concen: 0.580 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Tgt Ion: 63 Resp: 3193
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

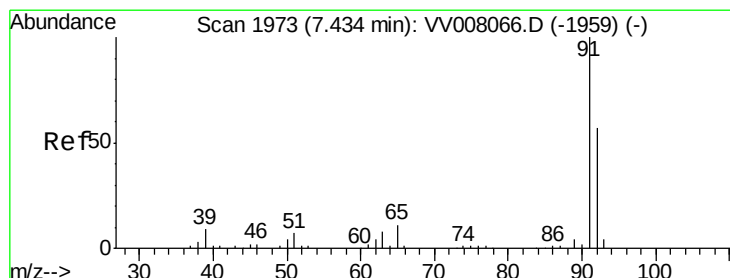
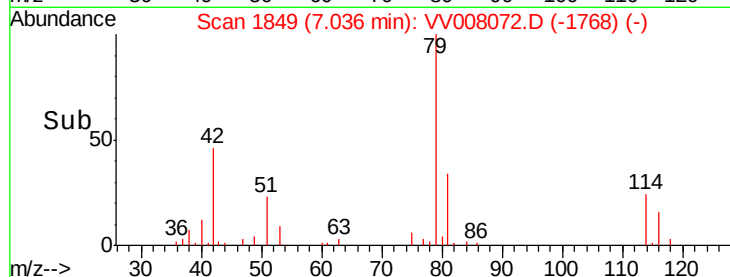
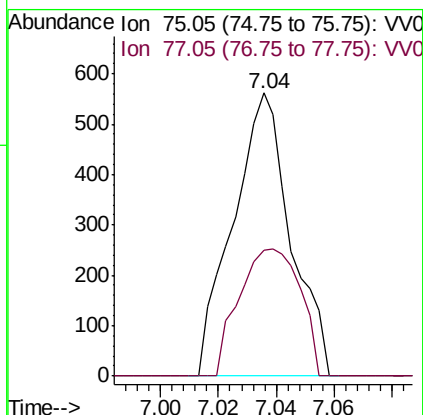
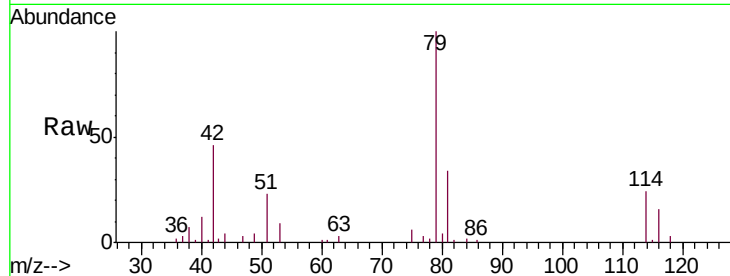




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV008072.D
 Acq: 04 Oct 2018 20:07

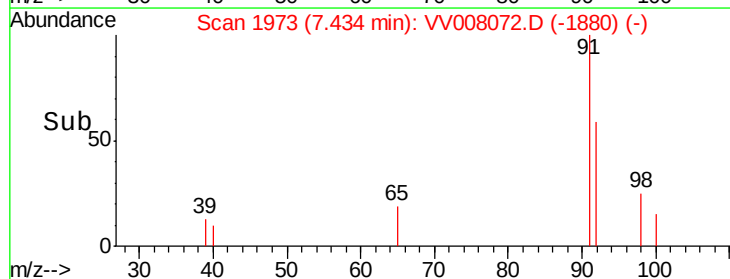
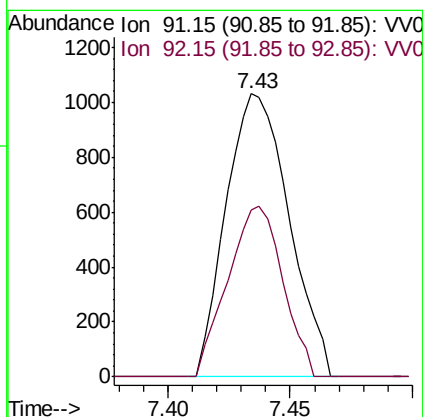
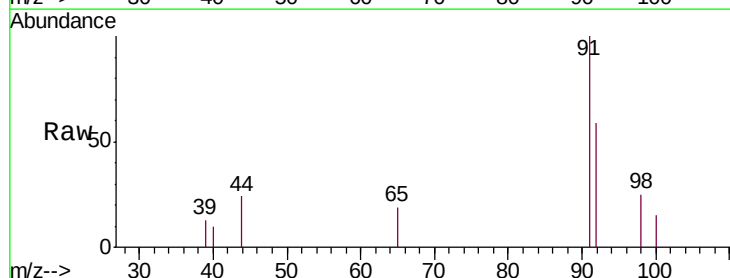
Instrument :
 MSVOA_V
 ClientSampleId :
 C0J90

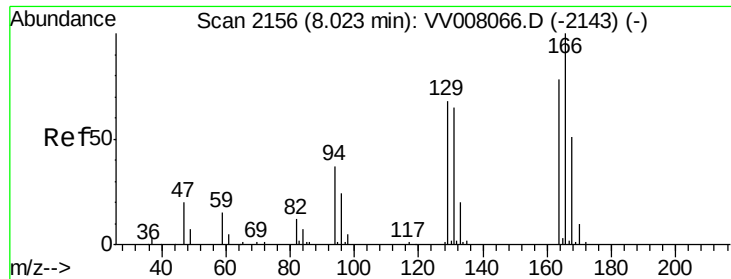
Tgt Ion: 75 Resp: 776
 Ion Ratio Lower Upper
 75 100
 77 44.7 22.9 42.5#



#42
 Toluene
 Concen: 0.079 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV008072.D
 Acq: 04 Oct 2018 20:07

Tgt Ion: 91 Resp: 1844
 Ion Ratio Lower Upper
 91 100
 92 59.1 40.8 75.8

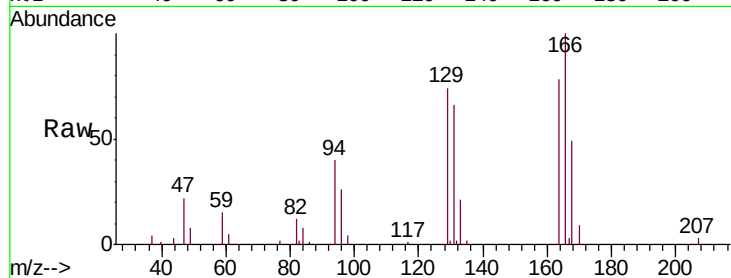




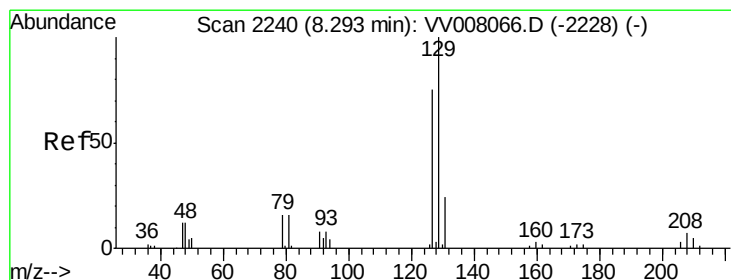
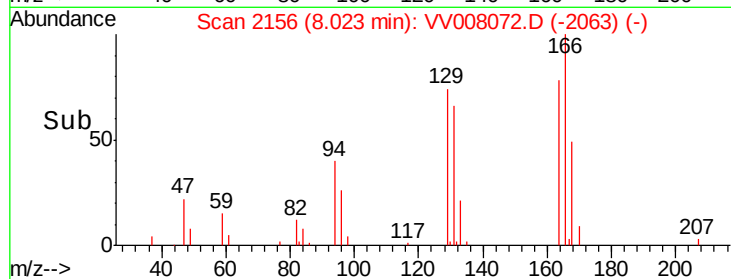
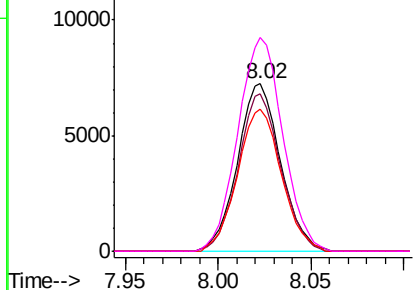
#47
Tetrachloroethene
Concen: 2.041 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Instrument :
MSVOA_V
ClientSampleId :
C0J90

Tgt Ion:164 Resp: 11674
Ion Ratio Lower Upper
164 100
129 94.3 59.2 110.0
131 84.8 57.1 106.1
166 127.6 88.6 164.6

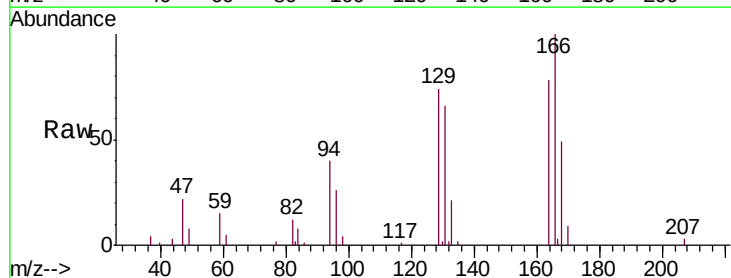


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

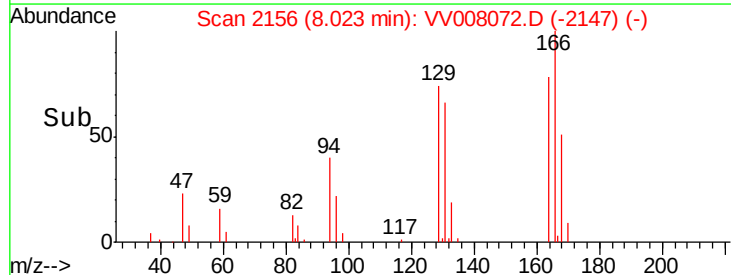
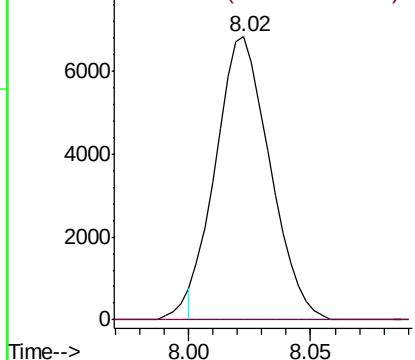


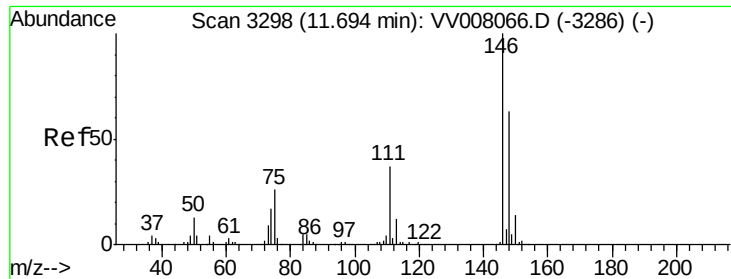
#49
Dibromochloromethane
Concen: 2.316 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008072.D
Acq: 04 Oct 2018 20:07

Tgt Ion:129 Resp: 10510
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

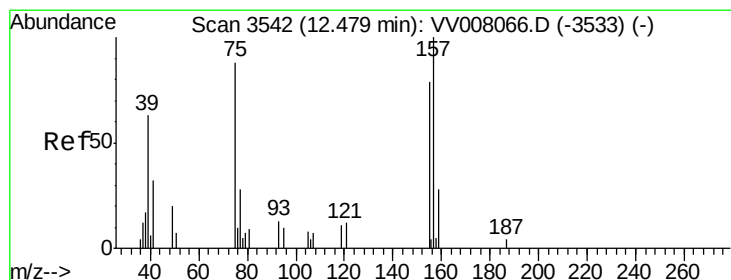
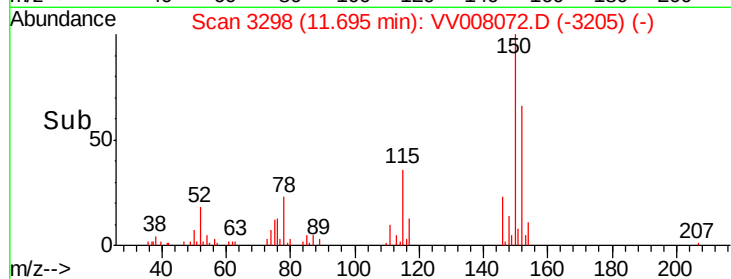
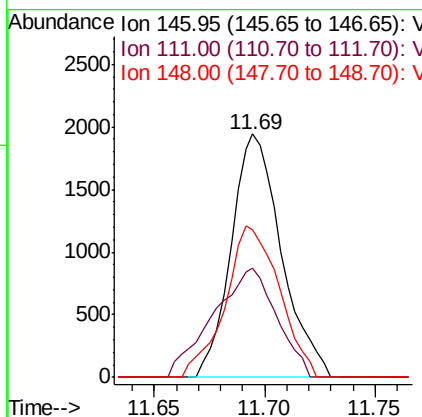
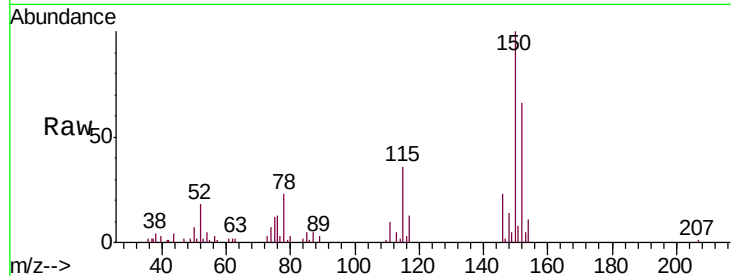




#65
 1,2-Dichlorobenzene
 Concen: 0.263 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008072.D
 Acq: 04 Oct 2018 20:07

Instrument :
 MSVOA_V
 ClientSampled :
 C0J90

Tgt Ion:146 Resp: 3072
 Ion Ratio Lower Upper
 146 100
 111 44.8 31.2 46.8
 148 60.6 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.183 ug/L
 RT: 12.31 min Scan# 3488
 Delta R.T. -0.17 min
 Lab File: VV008072.D
 Acq: 04 Oct 2018 20:07

Tgt Ion: 75 Resp: 109
 Ion Ratio Lower Upper
 75 100
 155 0.0 83.4 125.2#
 157 0.0 93.9 140.9#

