

Data File : VV008691.D
Acq On : 21 Nov 2018 11:07
Operator : SY/MD
Sample : J6026-17
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0FM9

Quant Time: Nov 22 00:39:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 22 00:36:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	164184	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	149588	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63942	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42367	5.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.20%
7) Chloroethane-d5	1.59	69	31916	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.13	63	57379	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.96	46	117440	45.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.00%
24) Chloroform-d	4.40	84	95248	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.09	65	50121	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	194423	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.12	67	62102	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	168649	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.67	79	17253	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.14	63	84698	38.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39764	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	58904	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

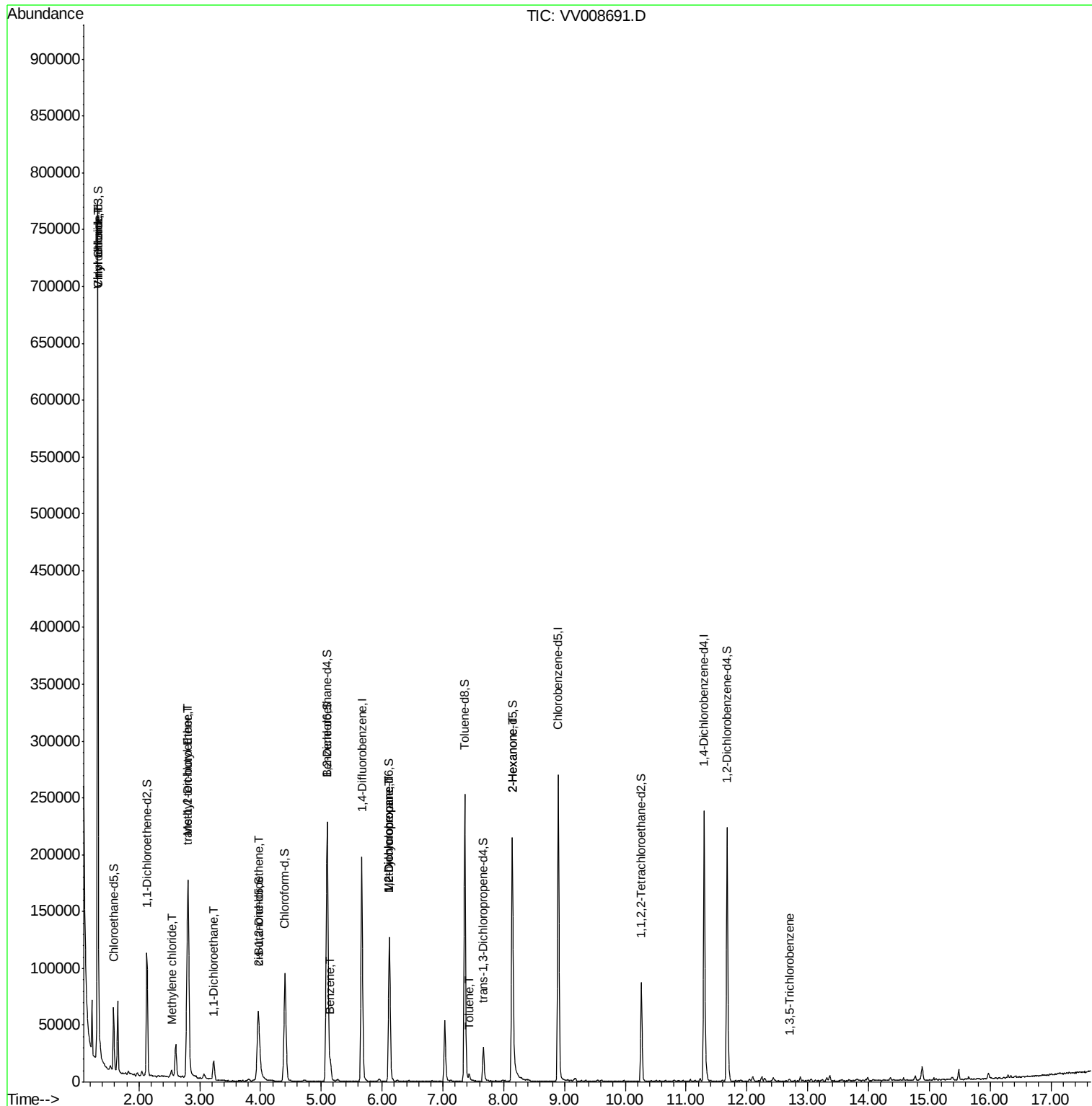
					Qvalue
5) Vinyl chloride	1.33	62	391875	37.740 ug/L	98
8) Chloroethane	1.33	64	119028	19.565 ug/L #	43
16) Methylene chloride	2.53	84	1739	0.188 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	151263	7.467 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	25280	3.059 ug/L	98
19) 1,1-Dichloroethane	3.23	63	16545	0.791 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	1136	0.091 ug/L	88
33) Benzene	5.15	78	14209	0.300 ug/L	100
35) Methylcyclohexane	6.12	83	14084	0.664 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6441	0.517 ug/L #	89
42) Toluene	7.44	91	3863	0.078 ug/L	97
48) 2-Hexanone	8.14	43	10680	2.169 ug/L #	70
67) 1,3,5-Trichlorobenzene	12.70	180	785	0.052 ug/L #	74

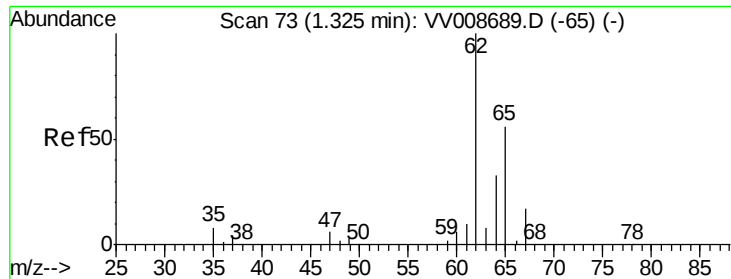
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 37.740 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

Instrument :

MSVOA_V

ClientSampleId :

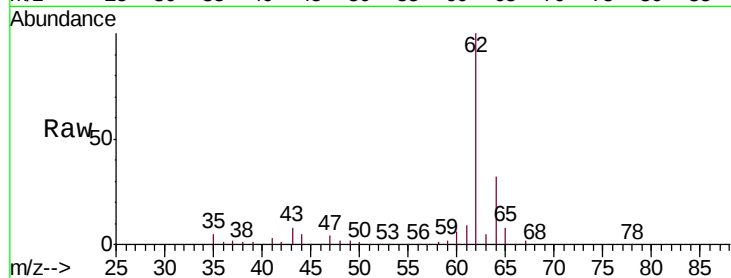
H0FM9

Tgt Ion: 62 Resp: 391875

Ion Ratio Lower Upper

62 100

64 32.1 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

400000

300000

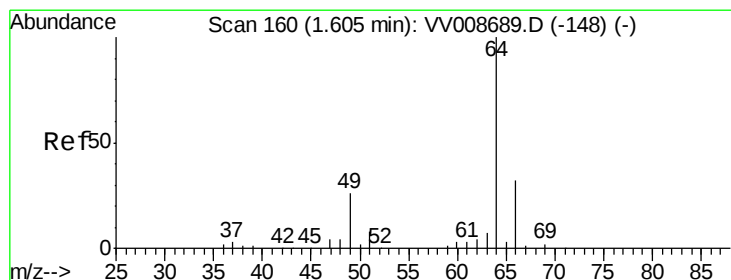
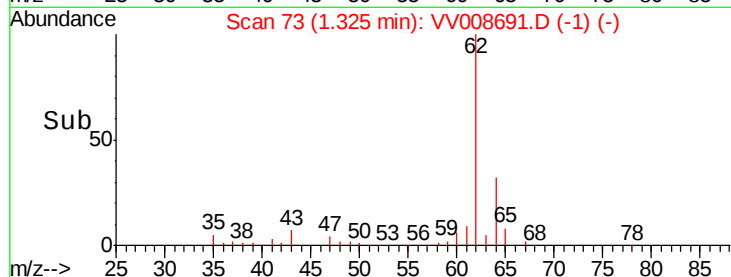
200000

100000

0

1.30 1.40

Time-->



#8

Chloroethane

Concen: 19.565 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV008691.D

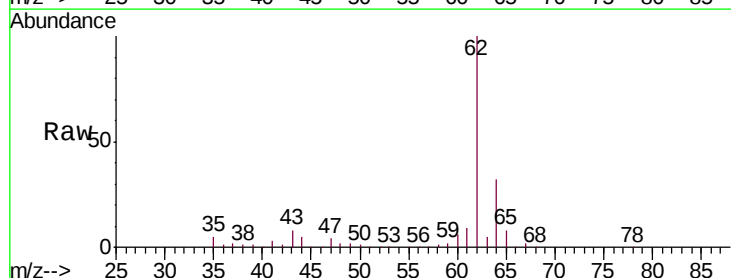
Acq: 21 Nov 2018 11:07

Tgt Ion: 64 Resp: 119028

Ion Ratio Lower Upper

64 100

66 0.6 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.33

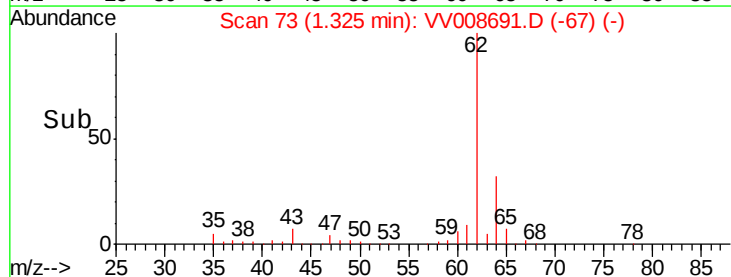
100000

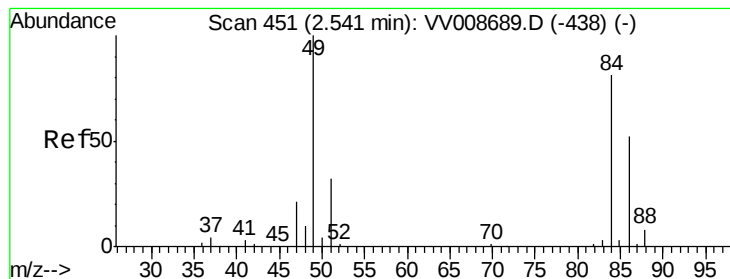
50000

0

1.30 1.35 1.40

Time-->





#16

Methylene chloride

Concen: 0.188 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.01 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

Instrument :

MSVOA_V

ClientSampleId :

H0FM9

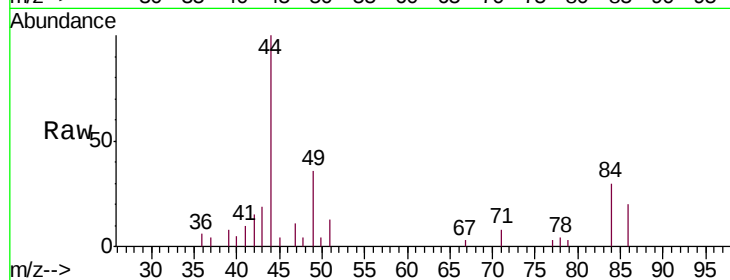
Tgt Ion: 84 Resp: 1739

Ion Ratio Lower Upper

84 100

86 66.5 44.8 83.2

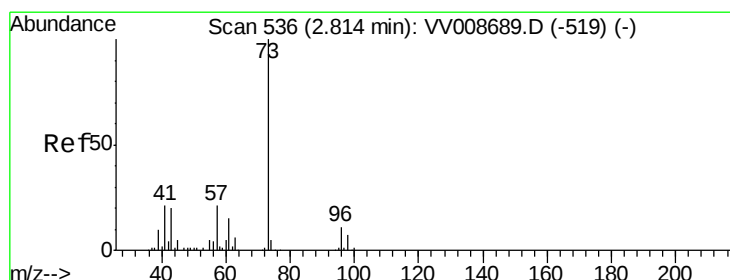
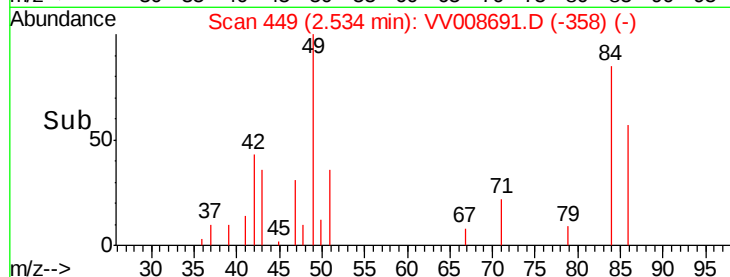
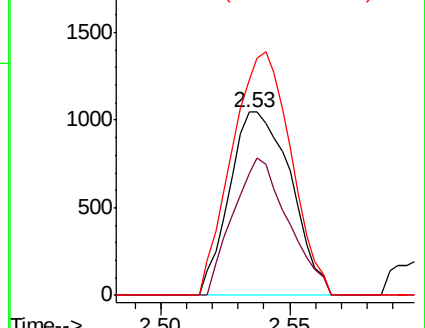
49 117.6 88.1 163.7



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



#17

Methyl tert-butyl Ether

Concen: 7.467 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

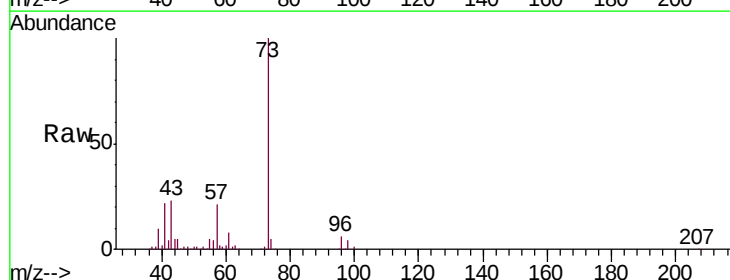
Tgt Ion: 73 Resp: 151263

Ion Ratio Lower Upper

73 100

43 22.1 18.1 27.1

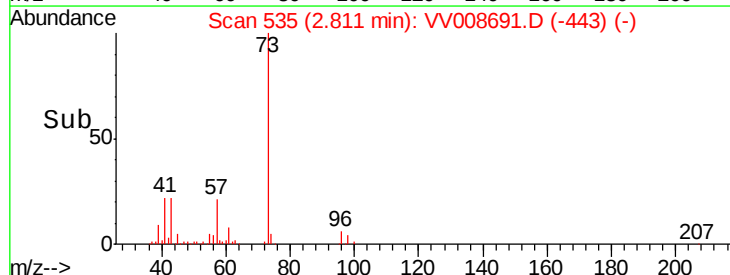
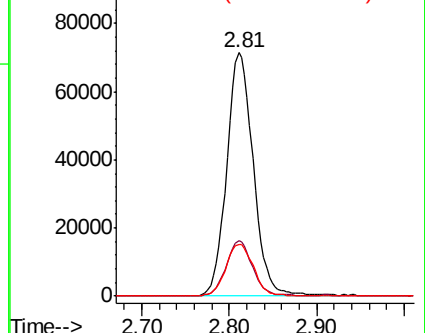
57 22.1 17.9 26.9

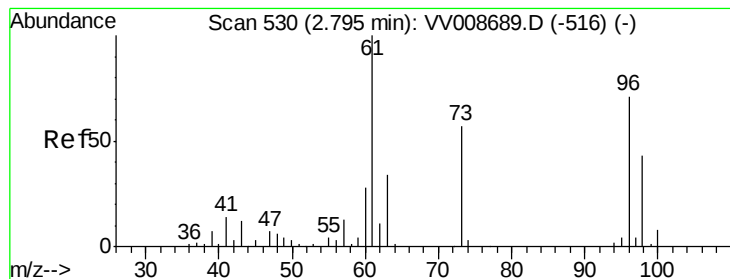


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 3.059 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

Instrument :

MSVOA_V

ClientSampled :

H0FM9

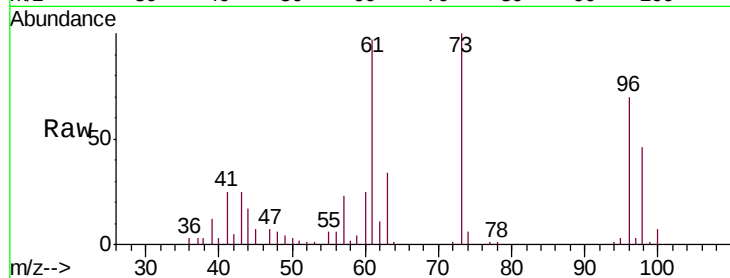
Tgt Ion: 96 Resp: 25280

Ion Ratio Lower Upper

96 100

61 138.2 97.1 180.3

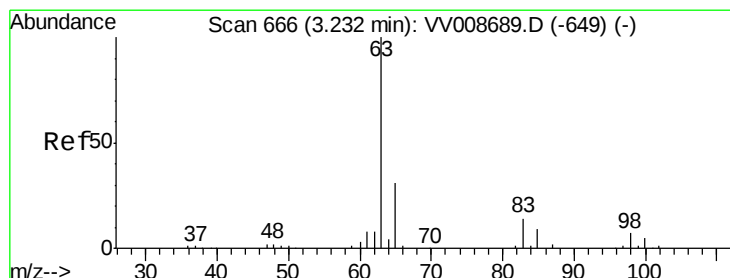
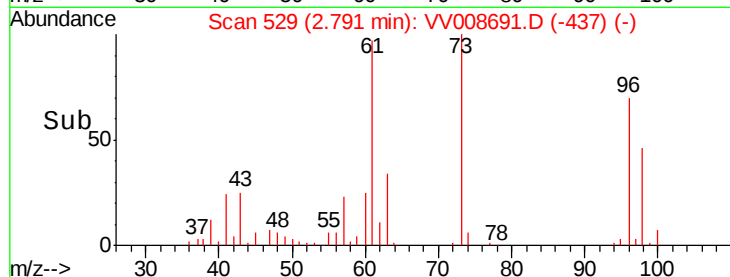
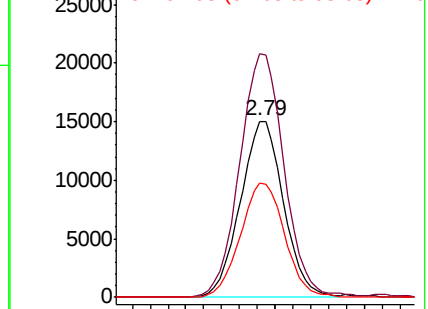
98 65.2 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV008689.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV008689.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV008689.D (-516) (-)



#19

1,1-Dichloroethane

Concen: 0.791 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

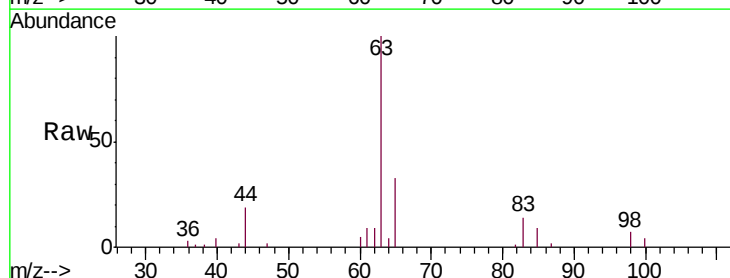
Tgt Ion: 63 Resp: 16545

Ion Ratio Lower Upper

63 100

65 32.9 23.2 43.0

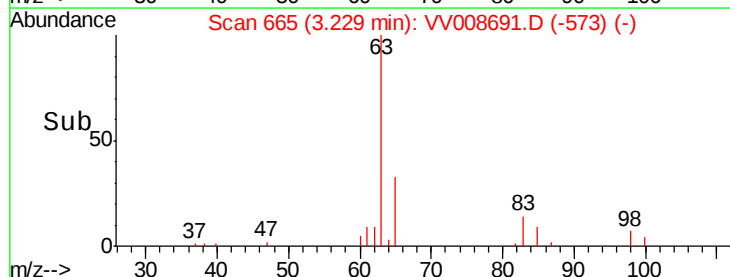
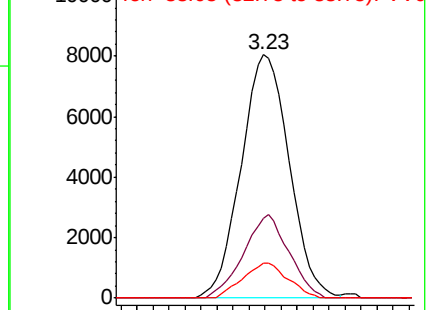
83 14.1 9.5 17.7

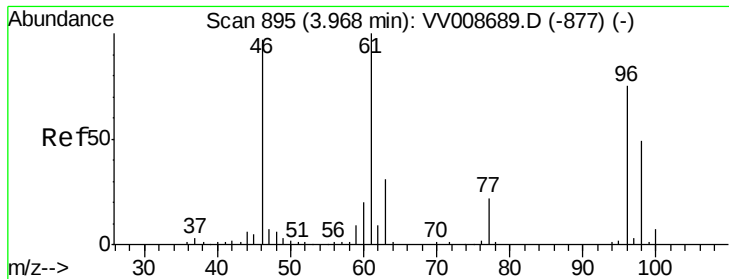


Abundance Ion 63.10 (62.80 to 63.80): VV008689.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV008689.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV008689.D (-649) (-)



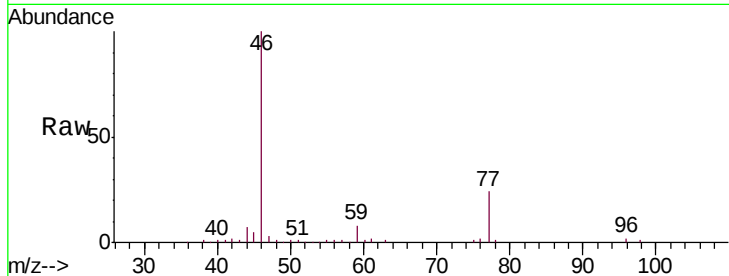


#22

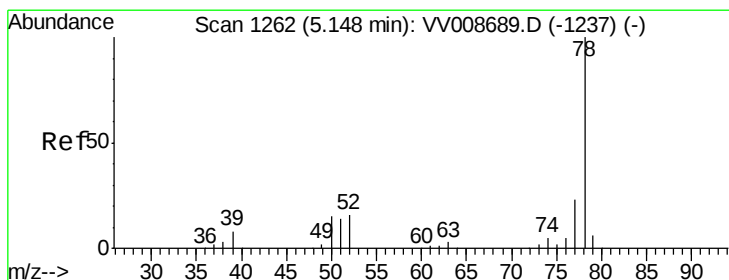
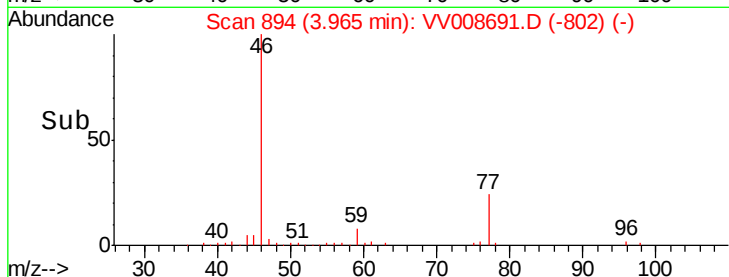
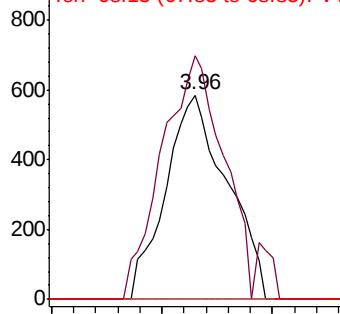
cis-1,2-Dichloroethene
 Concen: 0.091 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008691.D
 Acq: 21 Nov 2018 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM9

Tgt Ion: 96 Resp: 1136
 Ion Ratio Lower Upper
 96 100
 61 119.3 93.2 173.2
 68 0.0 0.0 0.0



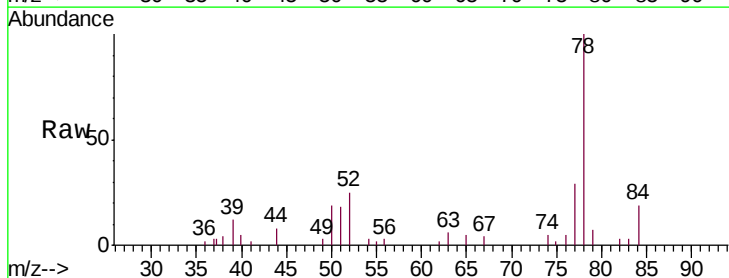
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



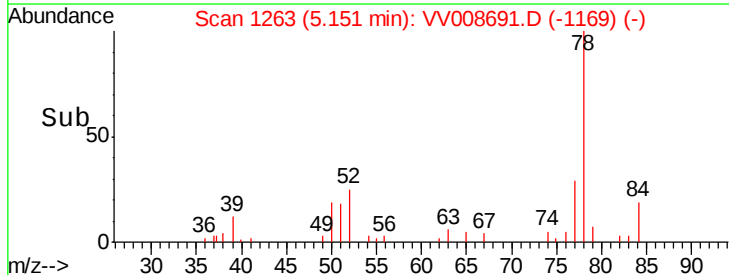
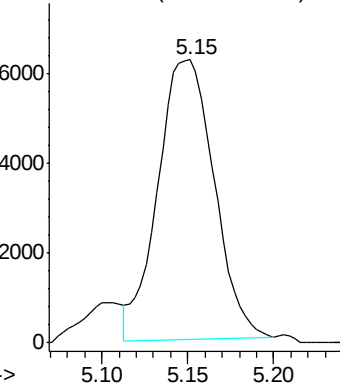
#33

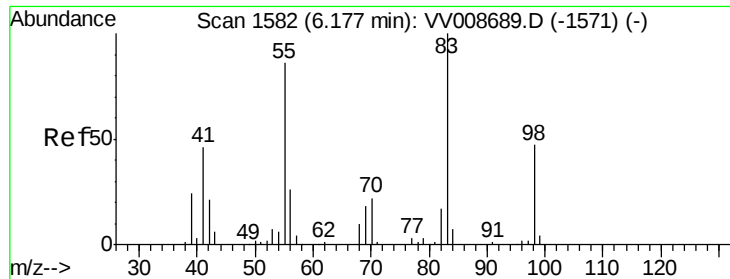
Benzene
 Concen: 0.300 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV008691.D
 Acq: 21 Nov 2018 11:07

Tgt Ion: 78 Resp: 14209



Abundance Ion 78.10 (77.80 to 78.80): VV0

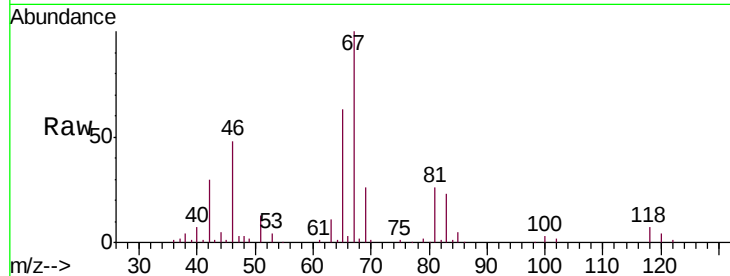




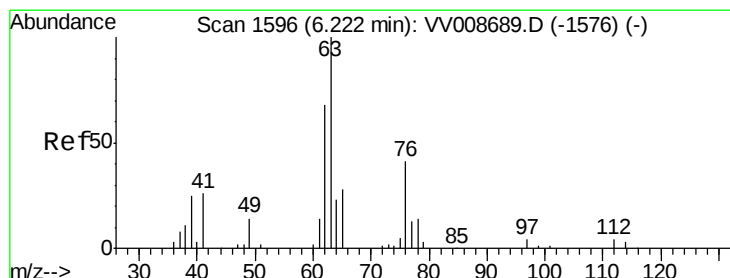
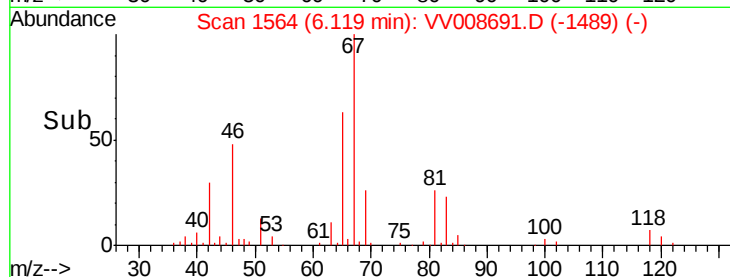
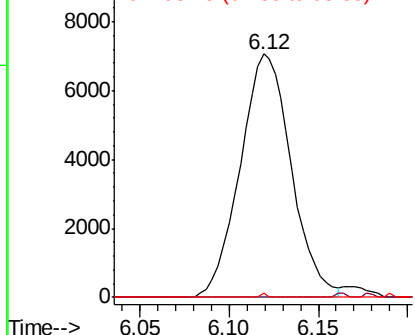
#35
Methylcyclohexane
Concen: 0.664 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV008691.D
Acq: 21 Nov 2018 11:07

Instrument :
MSVOA_V
ClientSampleId :
H0FM9

Tgt Ion: 83 Resp: 14084
Ion Ratio Lower Upper
83 100
55 0.3 65.6 98.4#
98 0.2 36.4 54.6#

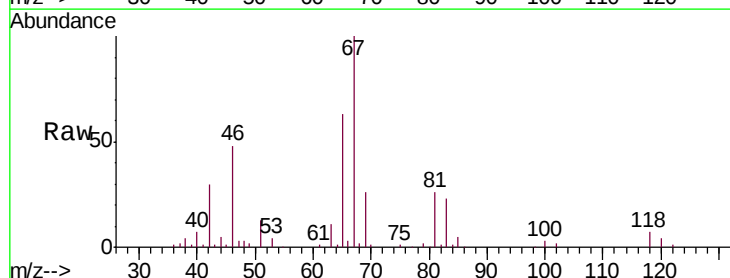


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

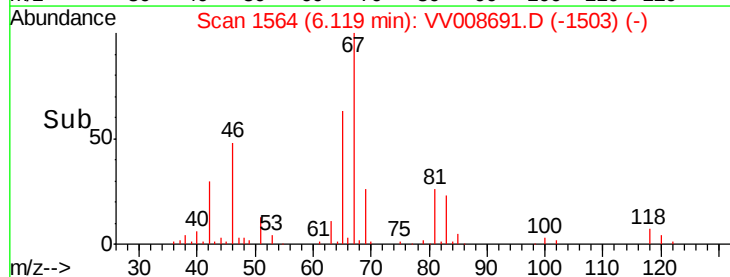
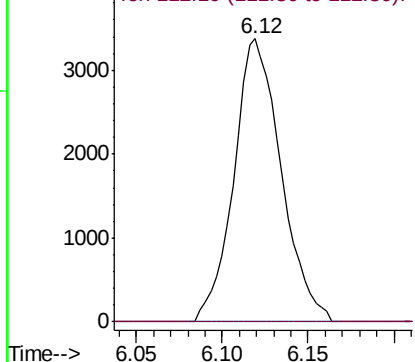


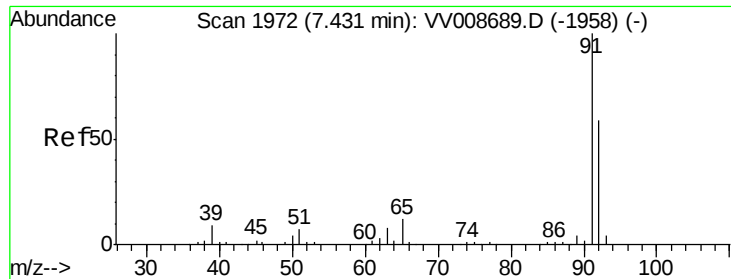
#37
1,2-Dichloropropane
Concen: 0.517 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV008691.D
Acq: 21 Nov 2018 11:07

Tgt Ion: 63 Resp: 6441
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#



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





#42

Toluene

Concen: 0.078 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

Instrument :

MSVOA_V

ClientSampleID :

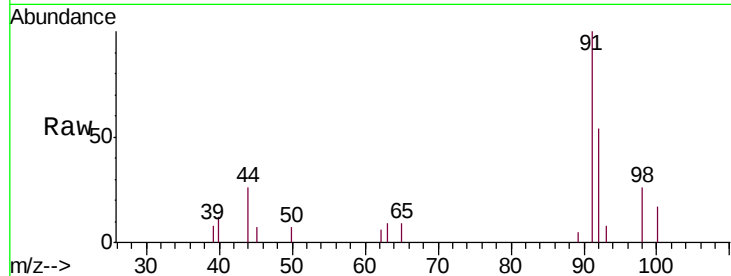
H0FM9

Tgt Ion: 91 Resp: 3863

Ion Ratio Lower Upper

91 100

92 53.5 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008689.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008689.D (-1958) (-)

7.44

2500

2000

1500

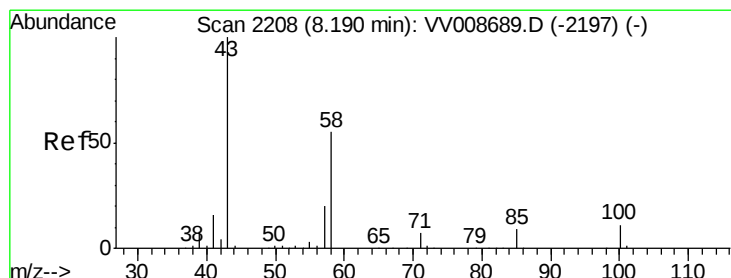
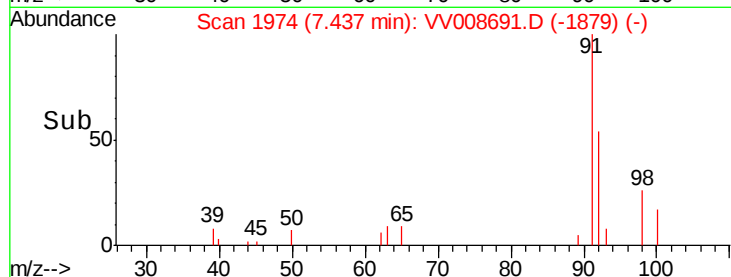
1000

500

0

7.40 7.45

Time-->



#48

2-Hexanone

Concen: 2.169 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV008691.D

Acq: 21 Nov 2018 11:07

Tgt Ion: 43 Resp: 10680

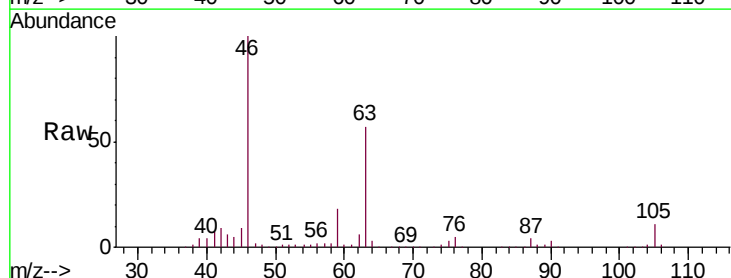
Ion Ratio Lower Upper

43 100

58 27.4 41.8 62.8#

57 26.1 15.4 23.0#

100 0.0 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV008689.D (-2197) (-)

Ion 58.05 (57.75 to 58.75): VV008689.D (-2197) (-)

Ion 57.20 (56.90 to 57.90): VV008689.D (-2197) (-)

Ion 100.15 (99.85 to 100.85): VV008689.D (-2197) (-)

8.14

6000

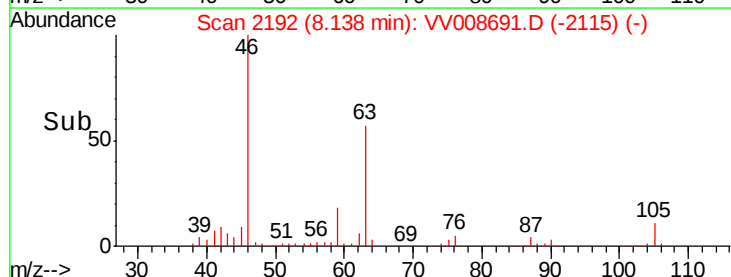
4000

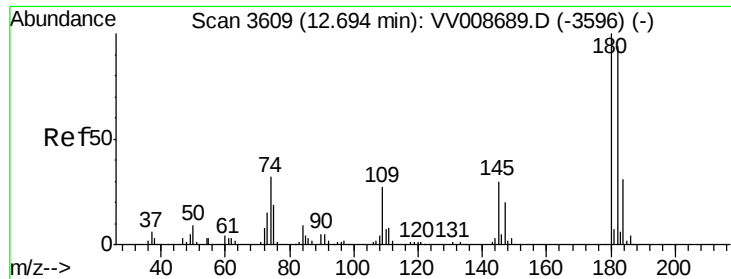
2000

0

8.10 8.15 8.20

Time-->





#67
 1,3,5-Trichlorobenzene
 Concen: 0.052 ug/L
 RT: 12.70 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VV008691.D
 Acq: 21 Nov 2018 11:07

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FM9

Tgt Ion	Ratio	Lower	Upper
180	100		
182	68.2	75.9	113.9#
184	18.9	23.9	35.9#
145	18.0	26.8	40.2#

