

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111818\
 Data File : VV008632.D
 Acq On : 17 Nov 2018 16:28
 Operator : SY/MD
 Sample : J5990-08MSD
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETO69MSD

Quant Time: Nov 19 03:02:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 19 02:55:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	131126	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50313	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25171	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.59	69	21539	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.14	63	55799	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.95	46	96834	46.46	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.92%
24) Chloroform-d	4.41	84	67163	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.09	65	37378	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	139234	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.12	67	45105	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	123508	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.67	79	14327	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.14	63	71996	41.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	30180	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	42286	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

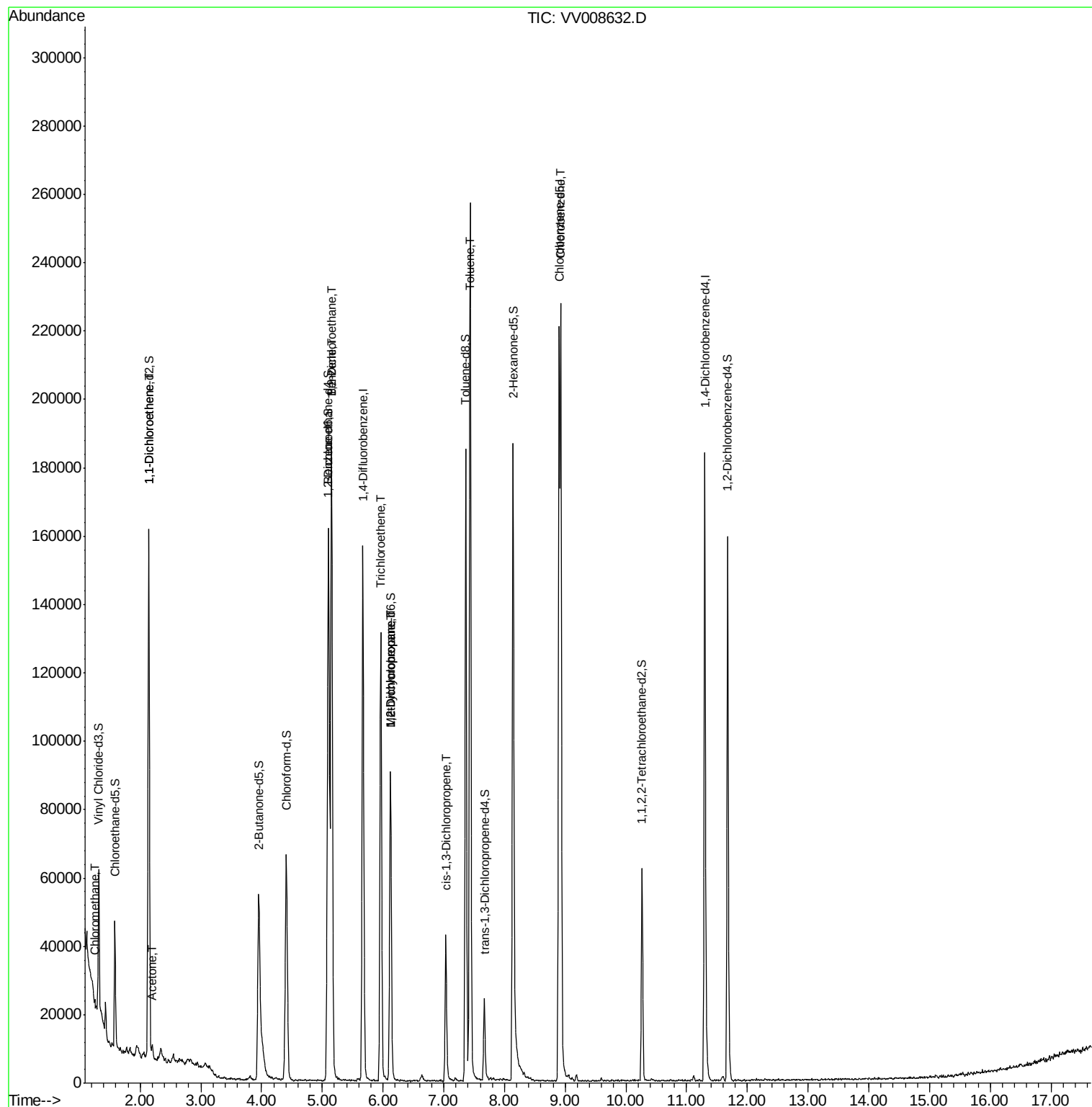
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1085	0.120	ug/L	90
12) 1,1-Dichloroethene	2.15	96	32585	5.360	ug/L	96
13) Acetone	2.20	43	4142	3.811	ug/L	100
27) 1,2-Dichloroethane	5.15	62	1706	0.162	ug/L #	75
33) Benzene	5.15	78	182148	4.865	ug/L	100
34) Trichloroethene	5.96	95	48024	4.853	ug/L	93
35) Methylcyclohexane	6.12	83	10402	0.621	ug/L #	17
37) 1,2-Dichloropropane	6.13	63	4604	0.468	ug/L #	89
39) cis-1,3-Dichloropropene	7.04	75	1158	0.088	ug/L #	68
42) Toluene	7.43	91	188843	4.840	ug/L	95
51) Chlorobenzene	8.93	112	115426	4.796	ug/L	99

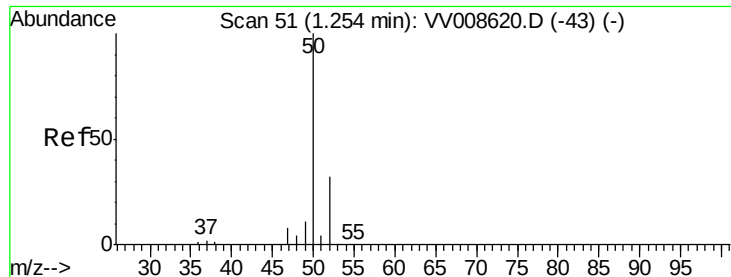
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.120 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

Instrument :

MSVOA_V

ClientSampleId :

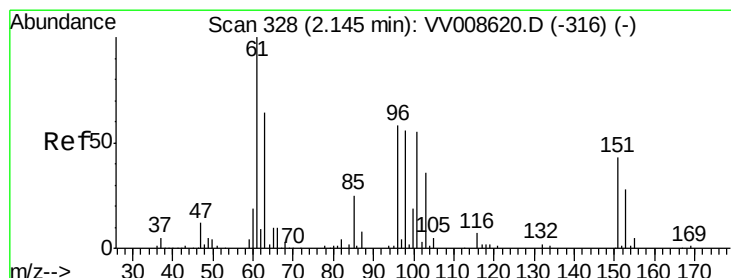
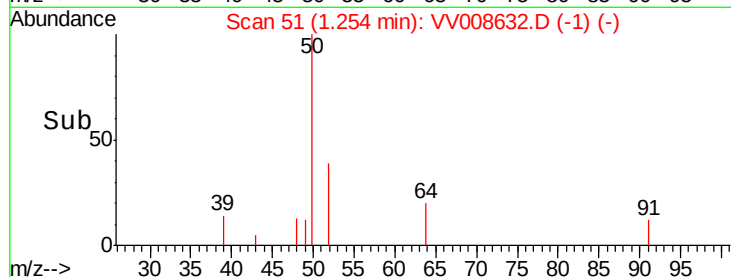
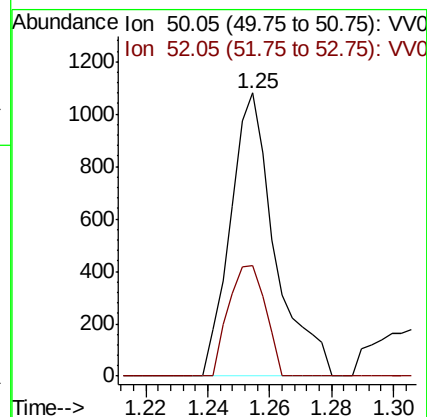
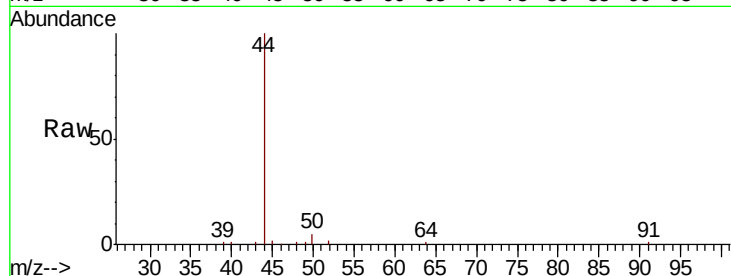
ETO69MSD

Tot Ion: 50 Resp: 1085

Ion Ratio Lower Upper

50 100

52 39.0 23.3 43.3



#12

1,1-Dichloroethene

Concen: 5.360 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

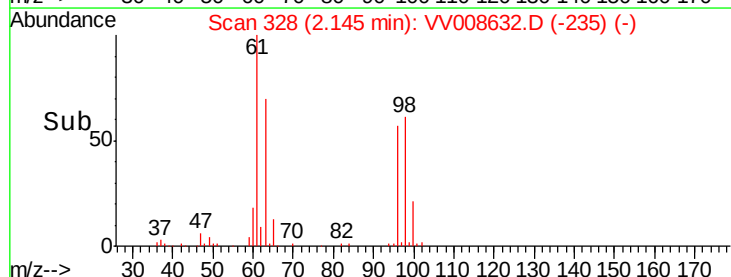
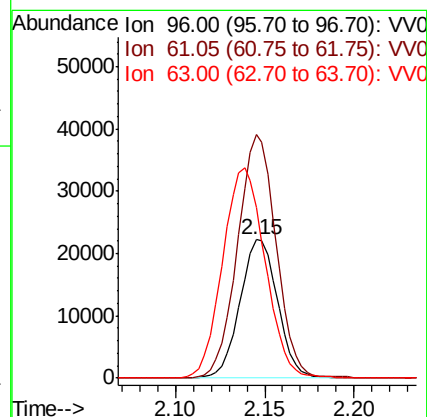
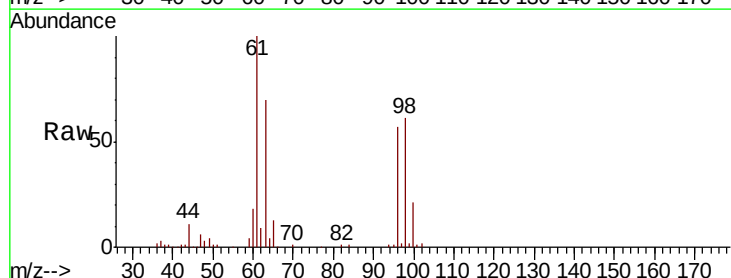
Tgt Ion: 96 Resp: 32585

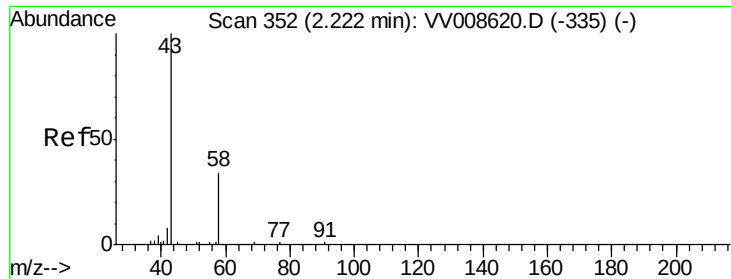
Ion Ratio Lower Upper

96 100

61 176.1 120.3 223.5

63 123.2 82.5 153.3





#13

Acetone

Concen: 3.811 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

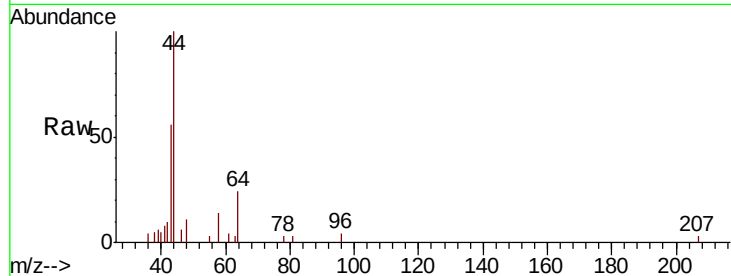
Instrument :
MSVOA_V
ClientSampleId :
ETO69MSD

Tot Ion: 43 Resp: 4142

Ion Ratio Lower Upper

43 100

58 28.3 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008632.D (-259) (-)

Ion 58.05 (57.75 to 58.75): VV008632.D (-259) (-)

2.20

2500

2000

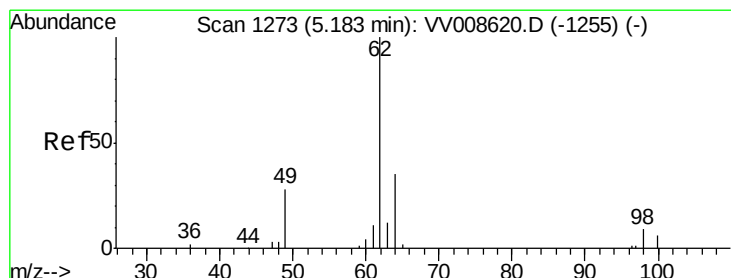
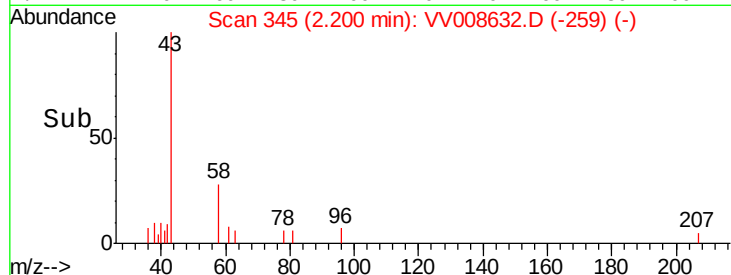
1500

1000

500

0

Time--> 2.10 2.15 2.20 2.25 2.30



#27

1,2-Dichloroethane

Concen: 0.162 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VV008632.D

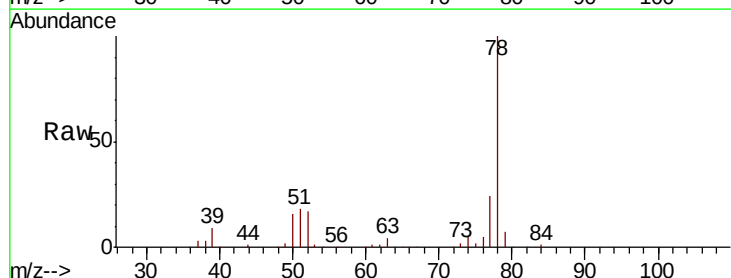
Acq: 17 Nov 2018 16:28

Tgt Ion: 62 Resp: 1706

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VV008632.D (-1180) (-)

Ion 98.05 (97.75 to 98.75): VV008632.D (-1180) (-)

5.15

800

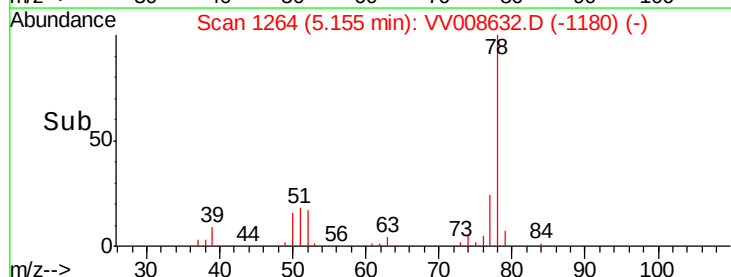
600

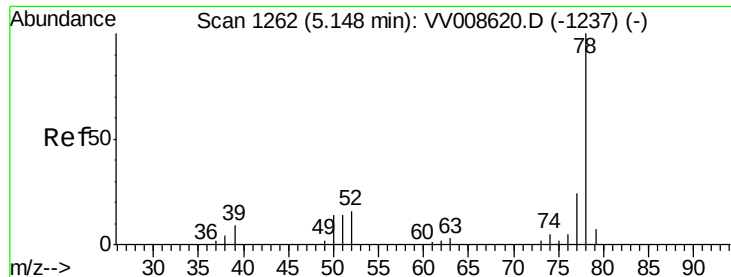
400

200

0

Time--> 5.10 5.15 5.20





#33

Benzene

Concen: 4.865 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

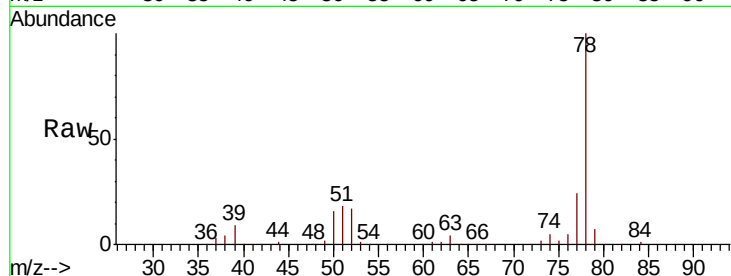
Instrument :

MSVOA_V

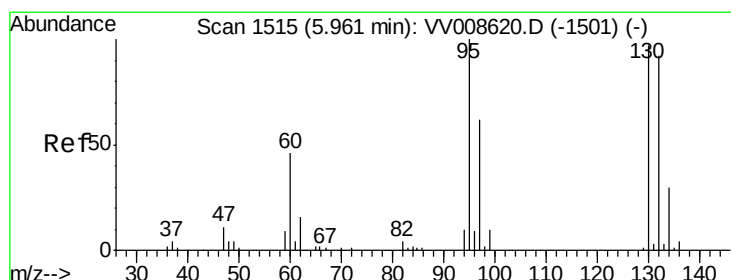
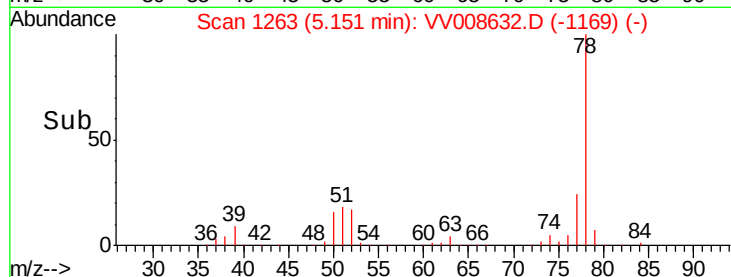
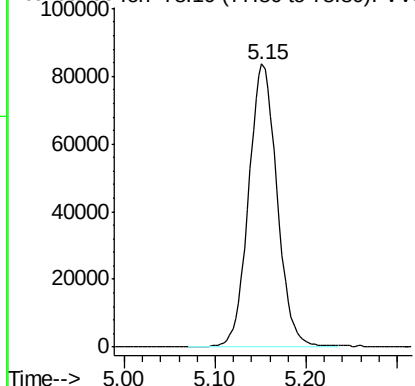
ClientSampleId :

ETO69MSD

Tgt Ion: 78 Resp: 182148



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.853 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

Tgt Ion: 95 Resp: 48024

Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.1	83.7
132	83.8	66.3	123.1
130	91.2	68.0	126.4

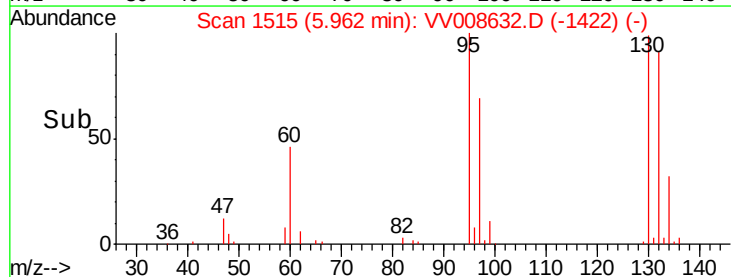
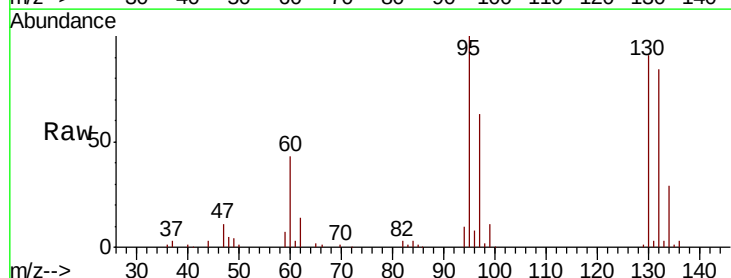
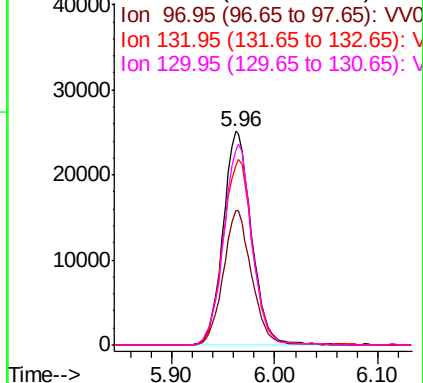
Ion 95.00 (94.70 to 95.70): VV0

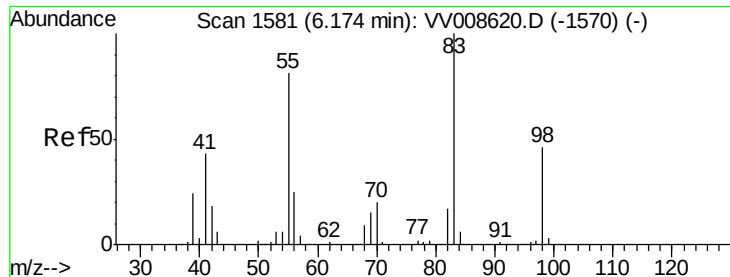
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

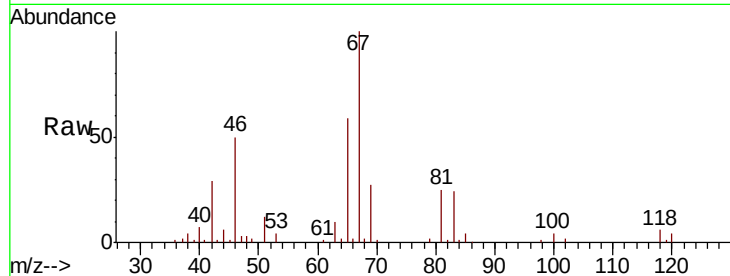




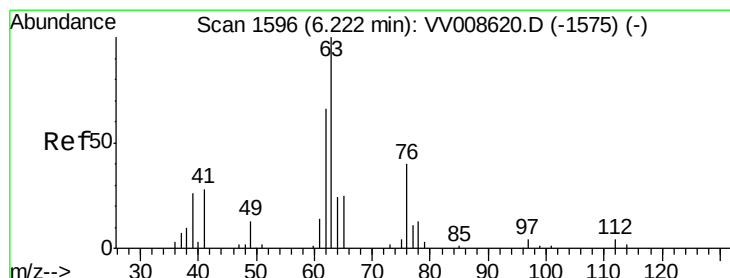
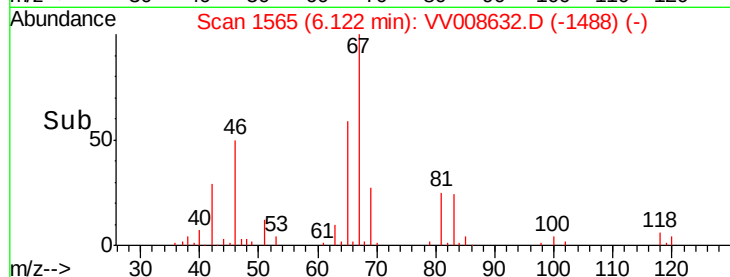
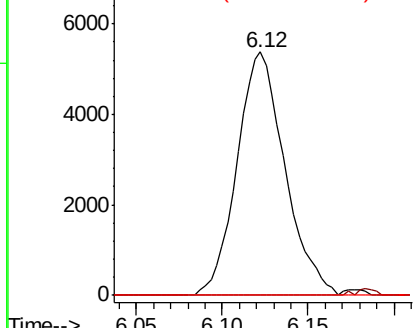
#35
Methylvlcyclohexane
Concen: 0.621 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008632.D
Acq: 17 Nov 2018 16:28

Instrument :
MSVOA_V
ClientSampleId :
ETO69MSD

Tot Ion: 83 Resp: 10402
Ion Ratio Lower Upper
83 100
55 1.1 65.6 98.4#
98 0.0 36.4 54.6#

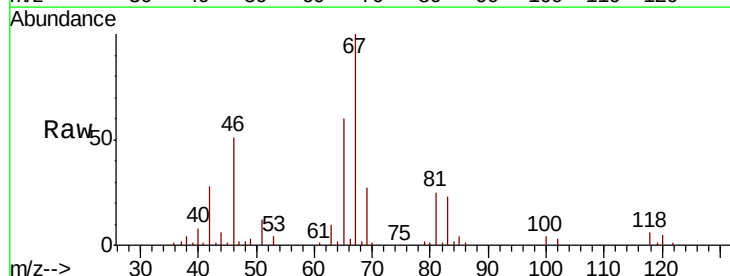


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

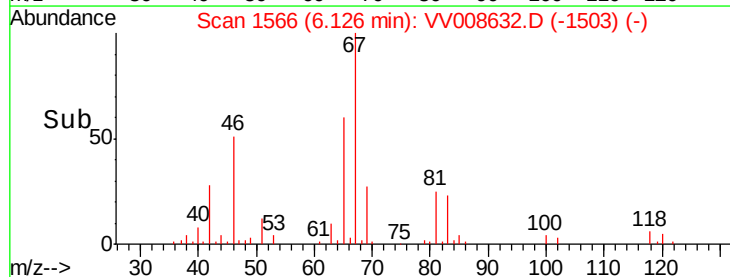
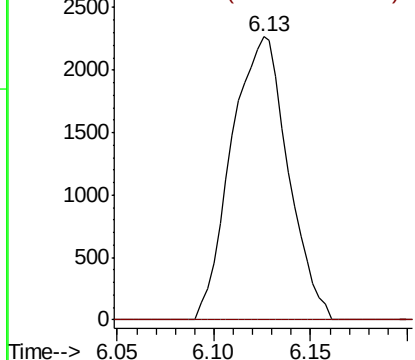


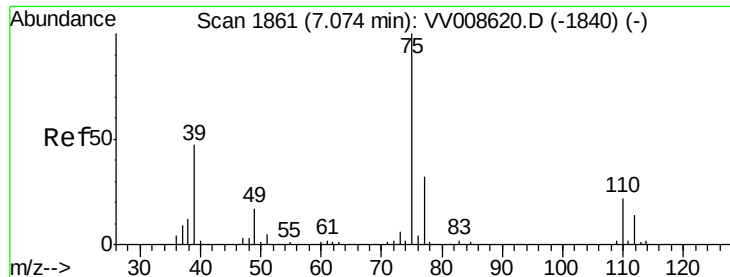
#37
1,2-Dichloropropane
Concen: 0.468 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV008632.D
Acq: 17 Nov 2018 16:28

Tgt Ion: 63 Resp: 4604
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





#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

Instrument :

MSVOA_V

ClientSampleId :

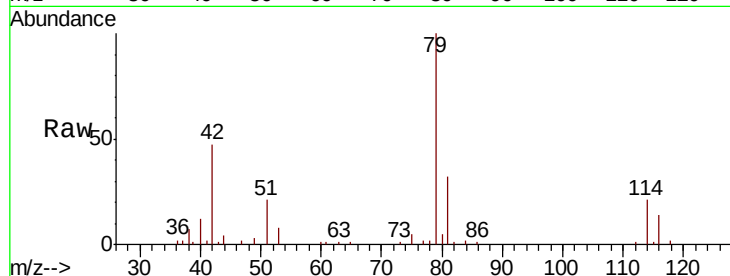
ETO69MSD

Tot Ion: 75 Resp: 1158

Ion Ratio Lower Upper

75 100

77 50.9 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.04

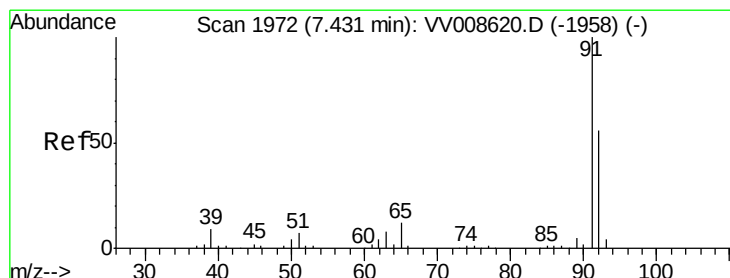
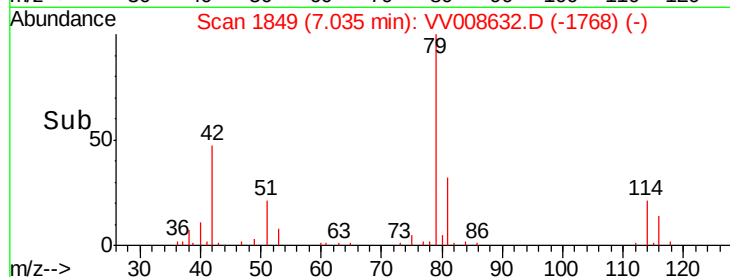
600

400

200

0

Time-->



#42

Toluene

Concen: 4.840 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008632.D

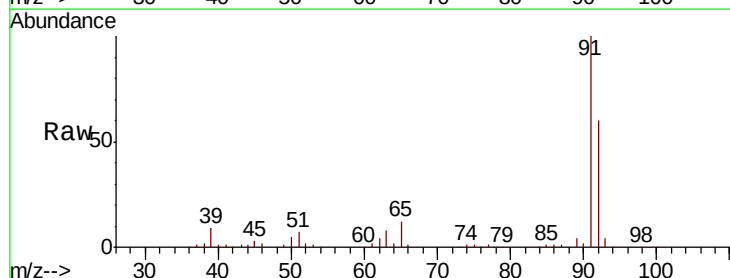
Acq: 17 Nov 2018 16:28

Tgt Ion: 91 Resp: 188843

Ion Ratio Lower Upper

91 100

92 59.6 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

120000

100000

80000

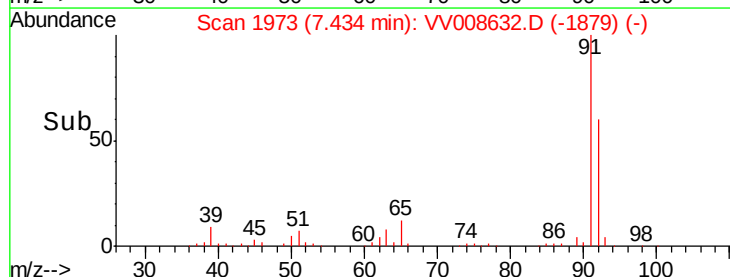
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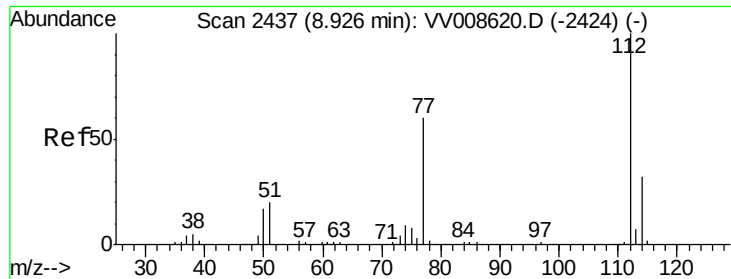
40000

20000

0

Time-->





#51

Chlorobenzene

Concen: 4.796 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008632.D

Acq: 17 Nov 2018 16:28

Instrument :

MSVOA_V

ClientSampleId :

ETO69MSD

Tot Ion:112 Resp: 115426

Ion Ratio Lower Upper

112 100

114 31.3 21.9 40.7

77 61.4 47.9 71.9

