

Data File : VV007662.D
Acq On : 20 Sep 2018 18:39
Operator : SY/MD
Sample : J4989-02MS
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETOR5MS

Quant Time: Sep 21 01:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 01:37:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	108658	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	97524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53936	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18605	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	20702	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.14	63	51444	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	3.96	46	53224	46.72	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	4.41	84	45625	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.09	65	24252	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	87721	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.12	67	26551	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.36	98	88228	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.67	79	9830	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.14	63	38459	43.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21988	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	40495	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

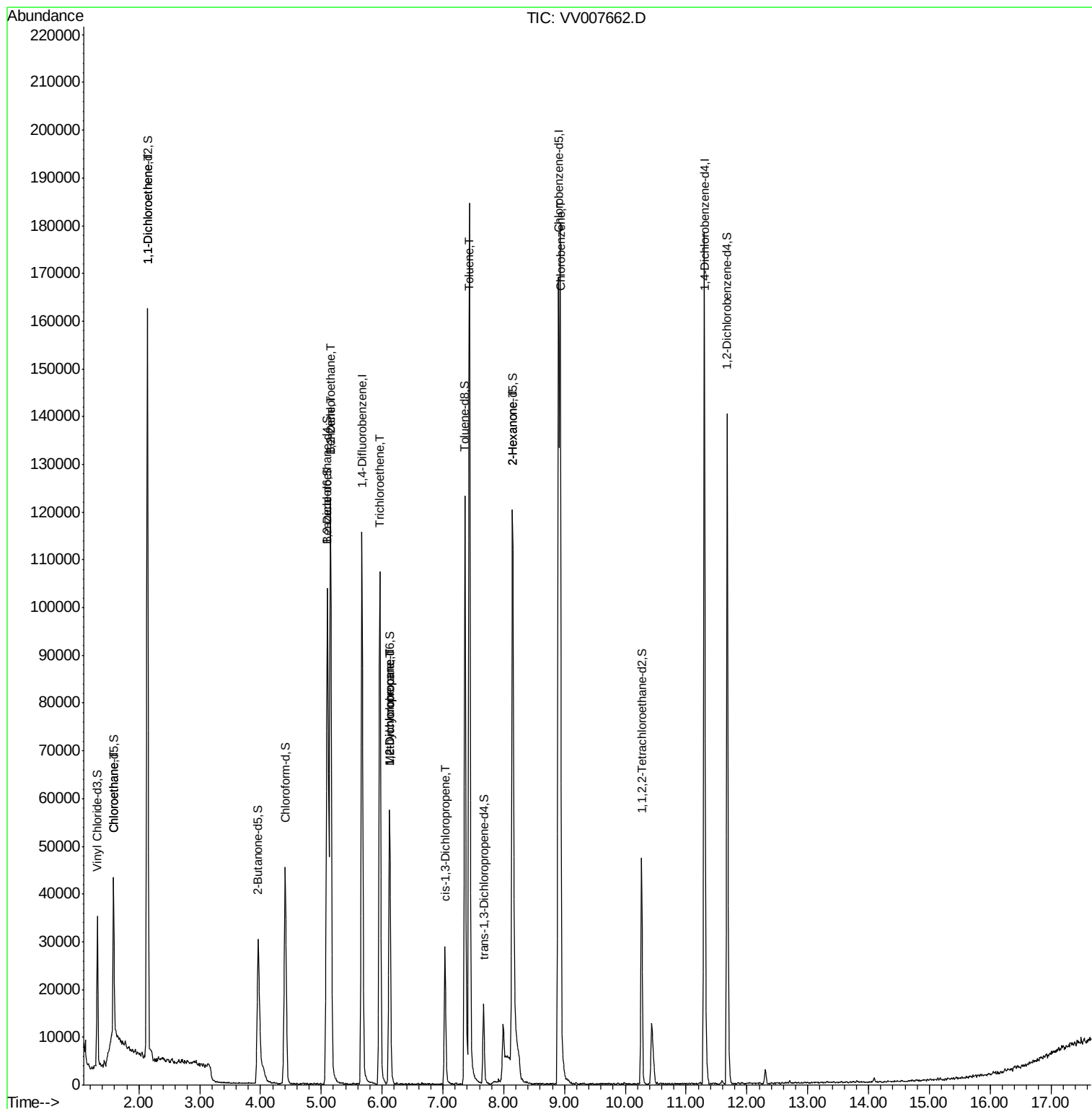
					Qvalue
8) Chloroethane	1.59	64	25977	5.054 ug/L #	49
12) 1,1-Dichloroethene	2.14	96	35809	4.523 ug/L	95
27) 1,2-Dichloroethane	5.15	62	1074	0.141 ug/L #	74
33) Benzene	5.15	78	124911	4.823 ug/L	100
34) Trichloroethene	5.96	95	35531	4.663 ug/L	98
35) Methylcyclohexane	6.12	83	7073	0.601 ug/L #	21
37) 1,2-Dichloropropane	6.12	63	3277	0.524 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	867	0.096 ug/L #	71
42) Toluene	7.43	91	141428	4.795 ug/L	99
48) 2-Hexanone	8.14	43	6967	2.907 ug/L #	84
51) Chlorobenzene	8.93	112	97177	4.750 ug/L	99

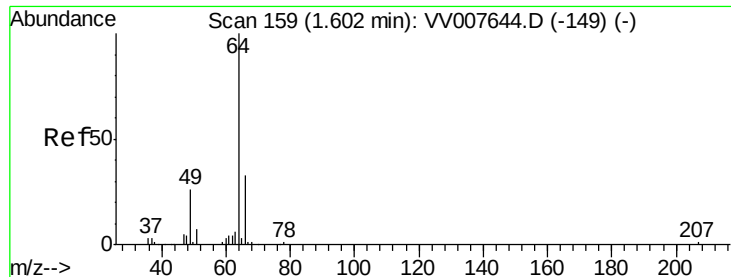
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV007662.D
Acq On : 20 Sep 2018 18:39
Operator : SY/MD
Sample : J4989-02MS
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETOR5MS

Quant Time: Sep 21 01:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 01:37:43 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 5.054 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV007662.D

Acq: 20 Sep 2018 18:39

Instrument :

MSVOA_V

ClientSampleId :

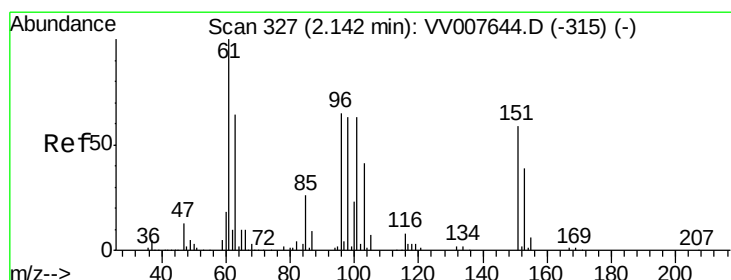
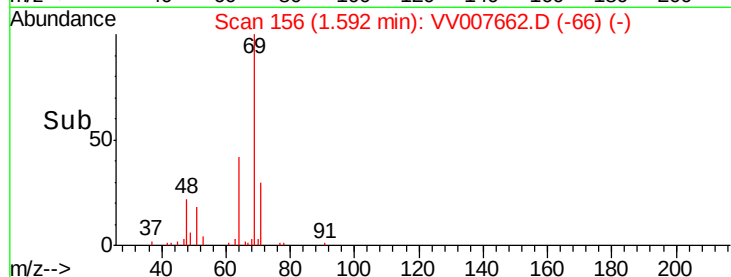
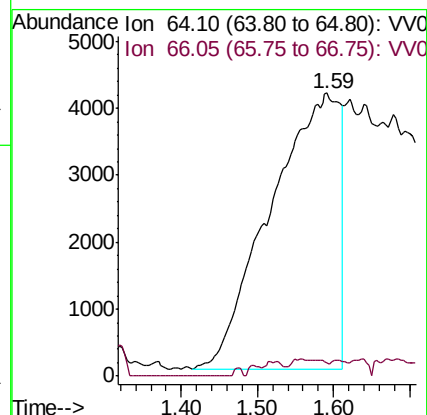
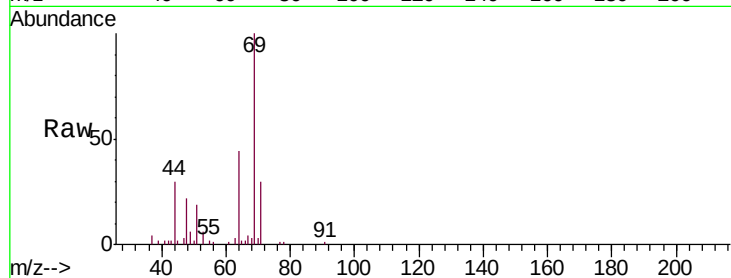
ET0R5MS

Tgt Ion: 64 Resp: 25977

Ion Ratio Lower Upper

64 100

66 4.5 23.4 43.4#



#12

1,1-Dichloroethene

Concen: 4.523 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007662.D

Acq: 20 Sep 2018 18:39

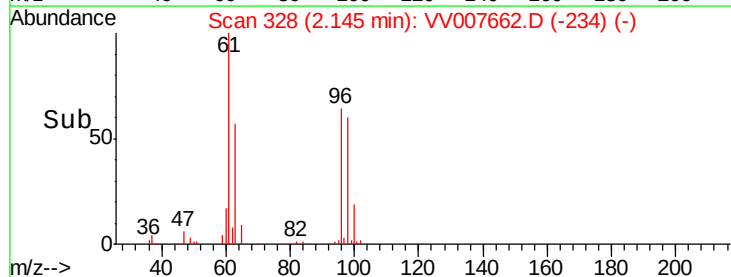
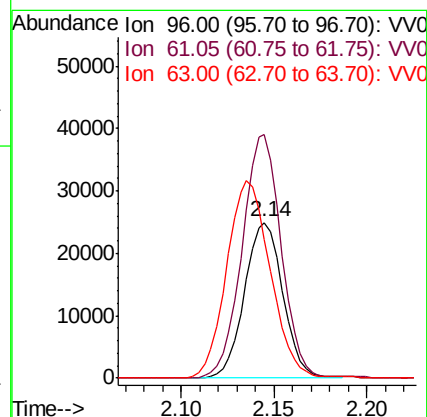
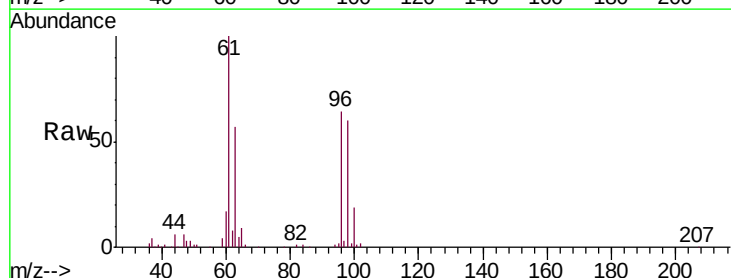
Tgt Ion: 96 Resp: 35809

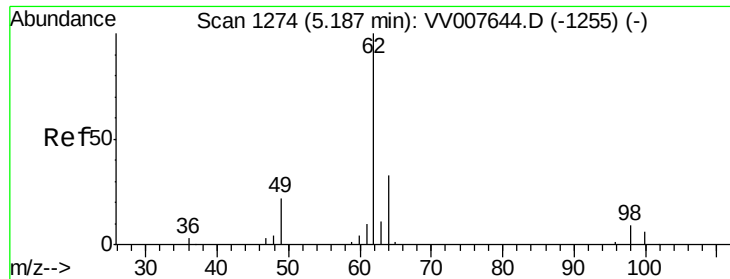
Ion Ratio Lower Upper

96 100

61 156.2 104.3 193.7

63 89.0 65.2 121.2





#27

1,2-Dichloroethane

Concen: 0.141 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.03 min

Lab File: VV007662.D

Acq: 20 Sep 2018 18:39

Instrument :

MSVOA_V

ClientSampleId :

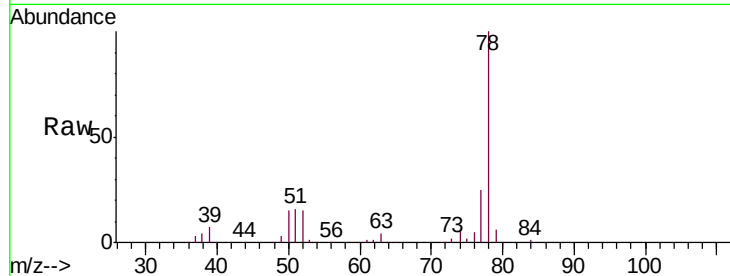
ET0R5MS

Tgt Ion: 62 Resp: 1074

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VV007644.D (-1255) (-)

Ion 98.05 (97.75 to 98.75): VV007644.D (-1255) (-)

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

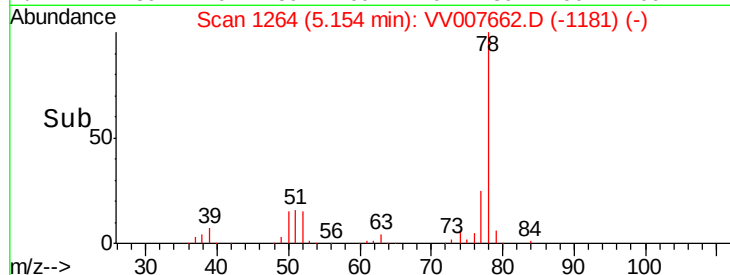
5.15

5.15

5.15

5.15

5.15



Abundance Ion 62.00 (61.70 to 62.70): VV007644.D (-1255) (-)

Ion 98.05 (97.75 to 98.75): VV007644.D (-1255) (-)

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

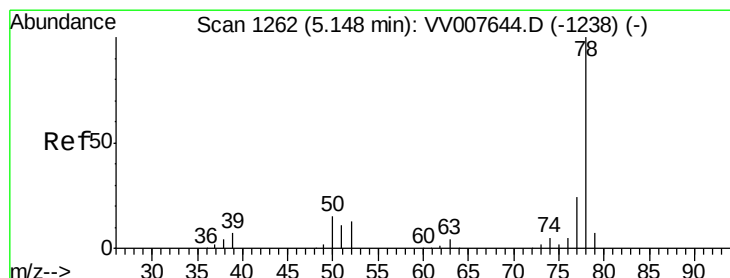
5.15

5.15

5.15

5.15

5.15



#33

Benzene

Concen: 4.823 ug/L

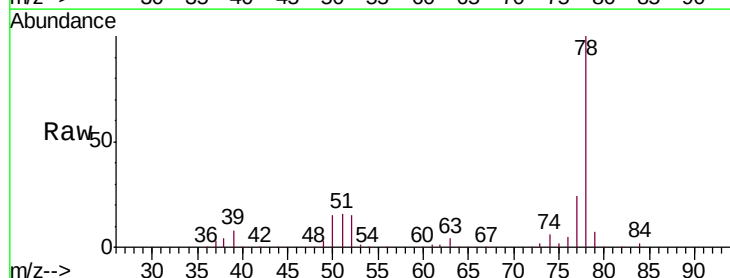
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV007662.D

Acq: 20 Sep 2018 18:39

Tgt Ion: 78 Resp: 124911



Abundance Ion 78.10 (77.80 to 78.80): VV007644.D (-1238) (-)

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

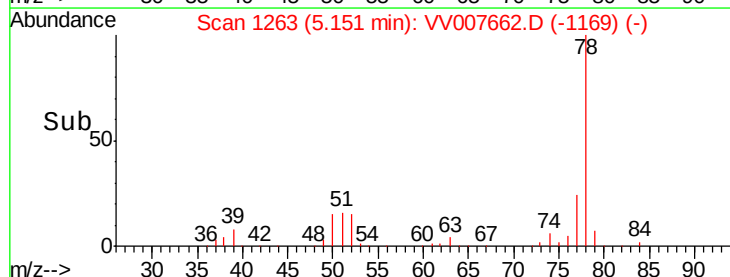
5.15

5.15

5.15

5.15

5.15



Abundance Ion 78.10 (77.80 to 78.80): VV007644.D (-1238) (-)

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

5.15

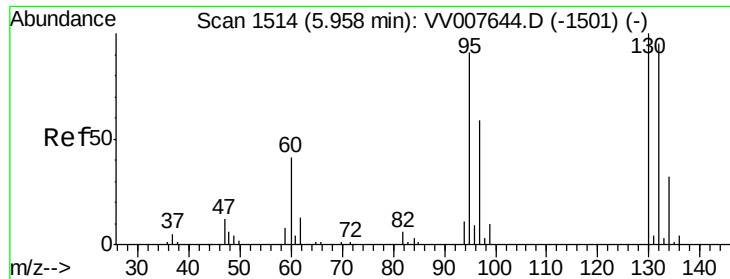
5.15

5.15

5.15

5.15

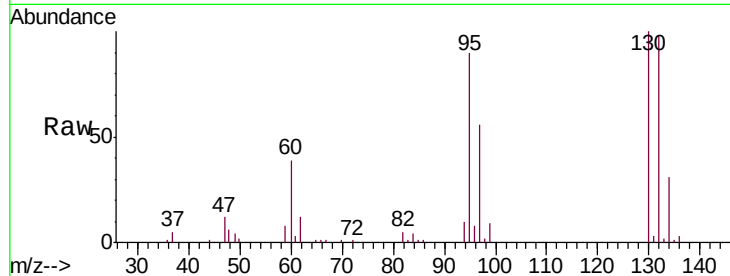
5.15



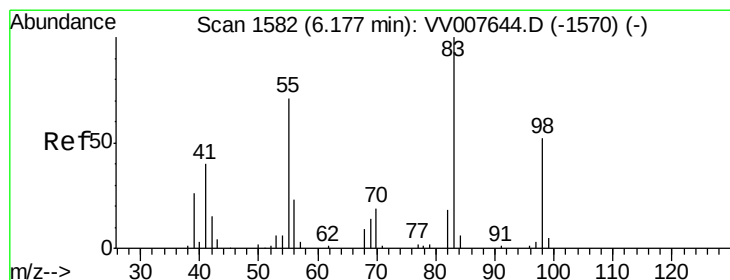
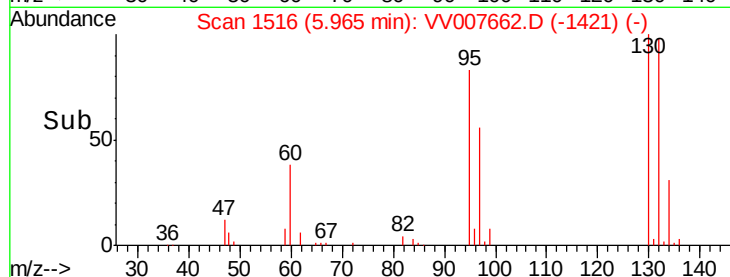
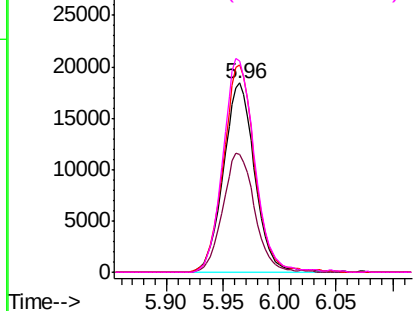
#34
 Trichloroethene
 Concen: 4.663 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV007662.D
 Acq: 20 Sep 2018 18:39

Instrument :
 MSVOA_V
 ClientSampleId :
 ETOR5MS

Tgt Ion: 95 Resp: 35531
 Ion Ratio Lower Upper
 95 100
 97 62.3 45.1 83.9
 132 109.7 78.2 145.2
 130 111.5 78.8 146.3

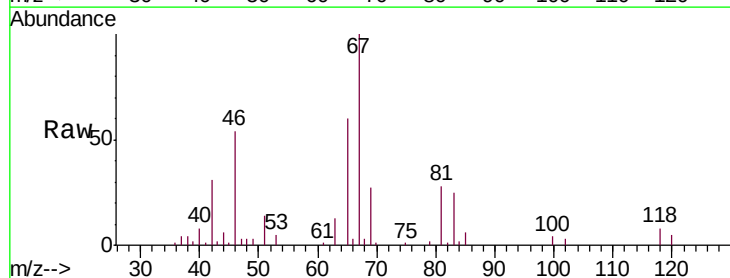


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

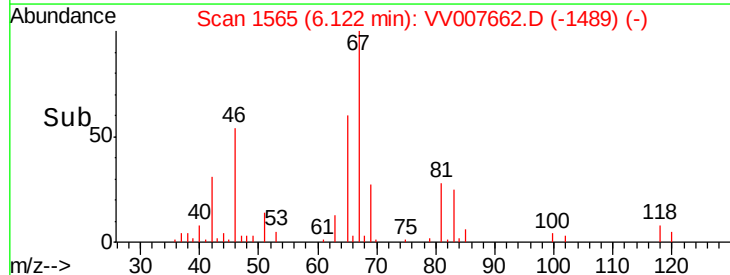
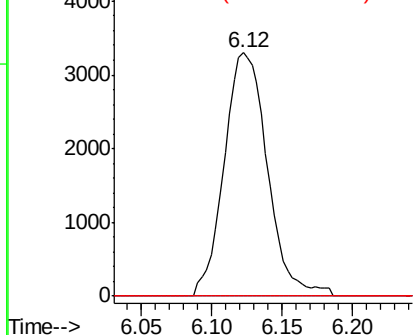


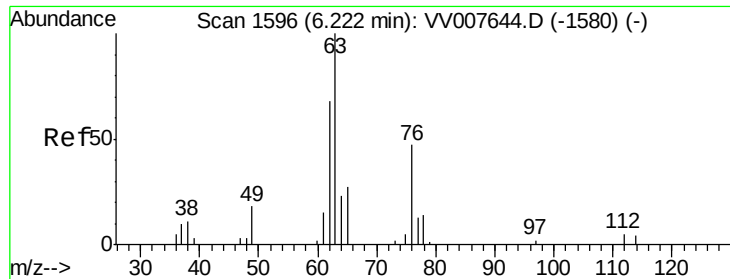
#35
 Methylcyclohexane
 Concen: 0.601 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV007662.D
 Acq: 20 Sep 2018 18:39

Tgt Ion: 83 Resp: 7073
 Ion Ratio Lower Upper
 83 100
 55 0.0 54.8 82.2#
 98 0.5 40.7 61.1#



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

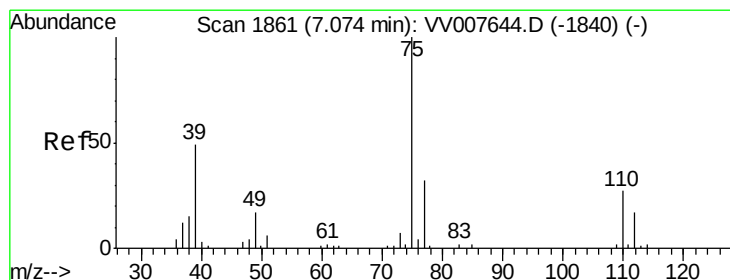
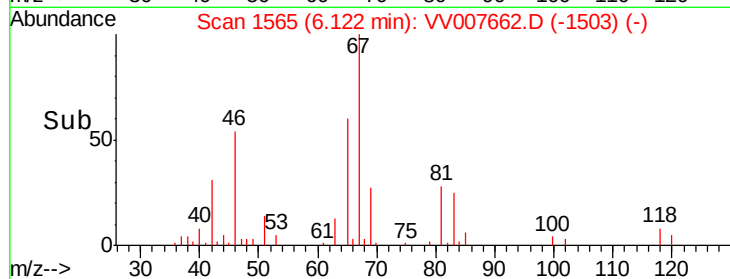
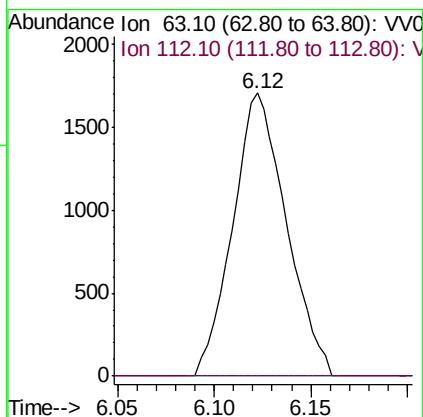
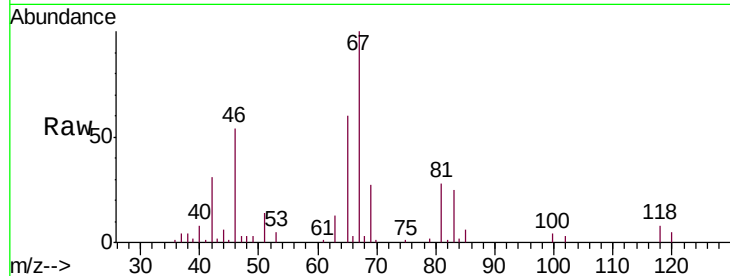




#37
 1,2-Dichloropropane
 Concen: 0.524 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV007662.D
 Acq: 20 Sep 2018 18:39

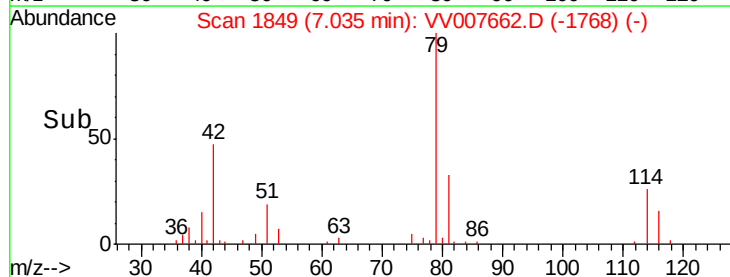
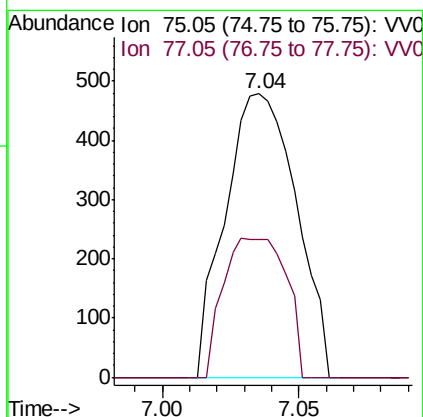
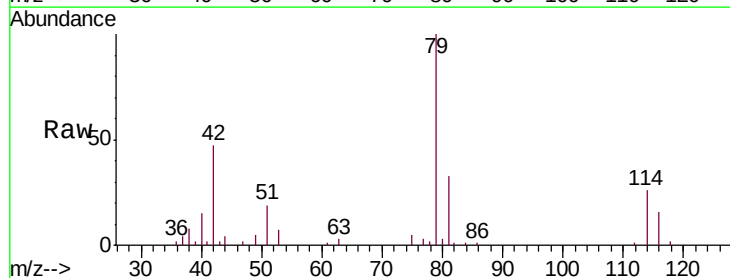
Instrument :
 MSVOA_V
 ClientSampleId :
 ET0R5MS

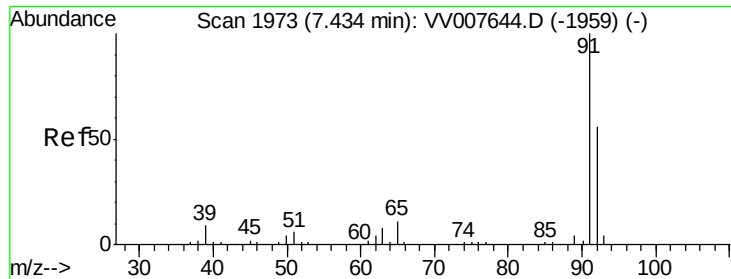
Tgt Ion: 63 Resp: 3277
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007662.D
 Acq: 20 Sep 2018 18:39

Tgt Ion: 75 Resp: 867
 Ion Ratio Lower Upper
 75 100
 77 48.7 22.7 42.3#





#42

Toluene

Concen: 4.795 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007662.D

Acq: 20 Sep 2018 18:39

Instrument :

MSVOA_V

ClientSampleId :

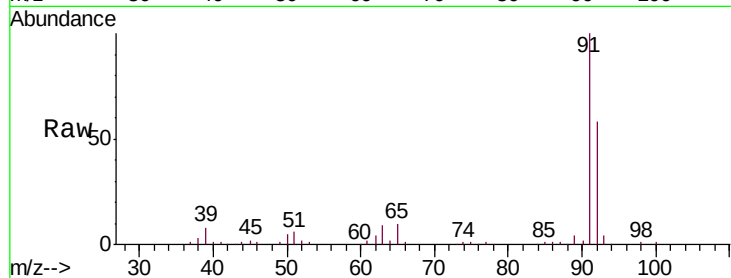
ET0R5MS

Tgt Ion: 91 Resp: 141428

Ion Ratio Lower Upper

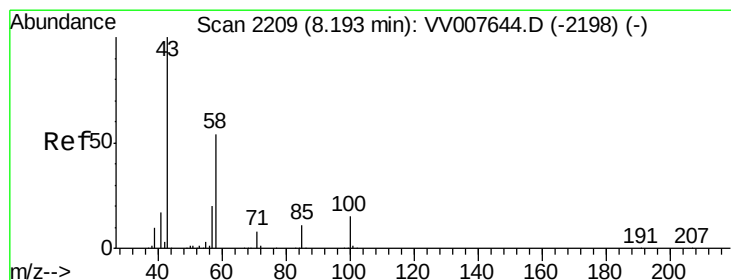
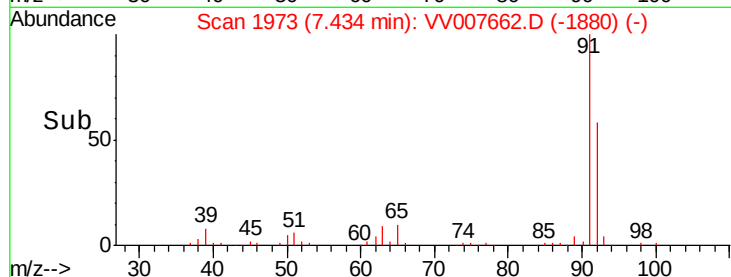
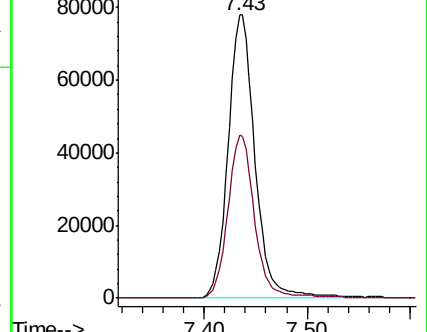
91 100

92 57.5 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VV007644.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007644.D (-1959) (-)



#48

2-Hexanone

Concen: 2.907 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. -0.05 min

Lab File: VV007662.D

Acq: 20 Sep 2018 18:39

Tgt Ion: 43 Resp: 6967

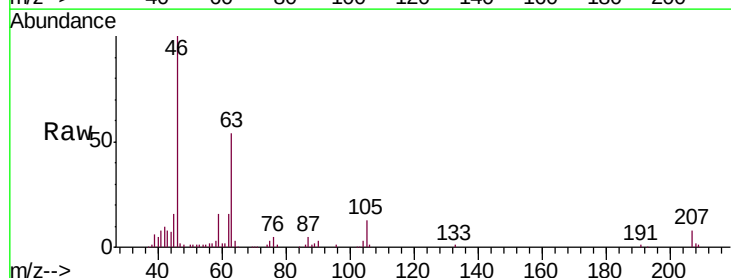
Ion Ratio Lower Upper

43 100

58 46.0 45.3 67.9

57 25.0 16.6 24.8#

100 0.0 11.4 17.0#

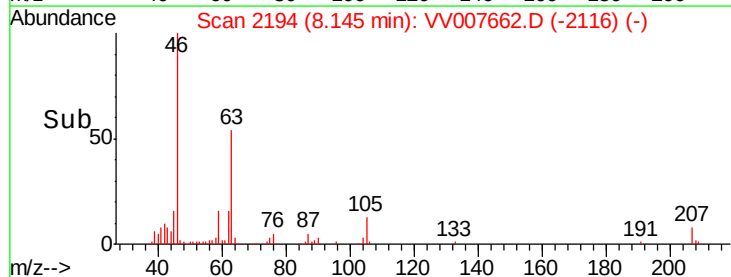
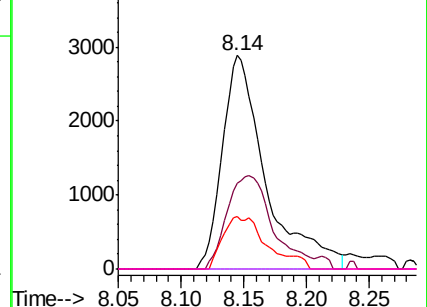


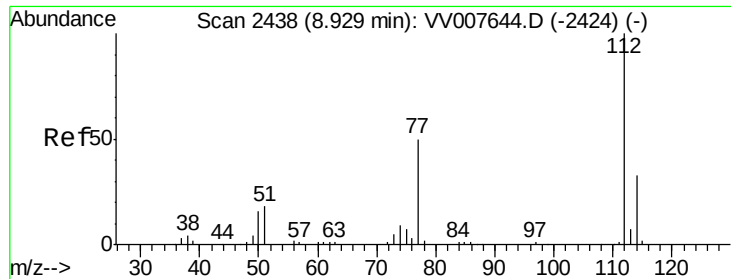
Abundance Ion 43.05 (42.75 to 43.75): VV007644.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV007644.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV007644.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV007644.D (-2198) (-)





#51
 Chlorobenzene
 Concen: 4.750 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007662.D
 Acq: 20 Sep 2018 18:39

Instrument :
 MSVOA_V
 ClientSampleId :
 ET0R5MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	21.5	39.9
77	51.0	40.8	61.2

