

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111818\
 Data File : VV008628.D
 Acq On : 17 Nov 2018 14:47
 Operator : SY/MD
 Sample : J5990-04
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETO77

Quant Time: Nov 19 03:01:29 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	159552	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65079	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30917	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.59	69	27667	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.13	63	47934	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.98	46	118779	46.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.68%
24) Chloroform-d	4.41	84	88561	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.09	65	47641	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	177634	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	58497	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	162136	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.67	79	19671	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.14	63	97686	47.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40948	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	58029	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.22	85	1546	0.118	ug/L	91
3) Chloromethane	1.25	50	2128	0.194	ug/L	88
8) Chloroethane	1.60	64	16982	2.872	ug/L	97
13) Acetone	2.22	43	4713	3.564	ug/L	71
30) Cyclohexane	4.72	56	5097	0.254	ug/L	90
33) Benzene	5.15	78	131062	2.896	ug/L	100
35) Methylcyclohexane	6.17	83	2347	0.116	ug/L #	73
37) 1,2-Dichloropropane	6.12	63	5866	0.493	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1209	0.076	ug/L #	59
48) 2-Hexanone	8.14	43	12024	2.559	ug/L #	72
51) Chlorobenzene	8.93	112	106421	3.658	ug/L	98
56) Isopropylbenzene	9.98	105	31055	0.619	ug/L	98
62) 1,3-Dichlorobenzene	11.32	146	33861	1.597	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	33861	1.621	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	4952	0.245	ug/L #	93
69) Naphthalene	13.56	128	5835	0.290	ug/L	99

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QLast Update : Mon Nov 19 02:55:31 2018
Response via : Initial Calibration

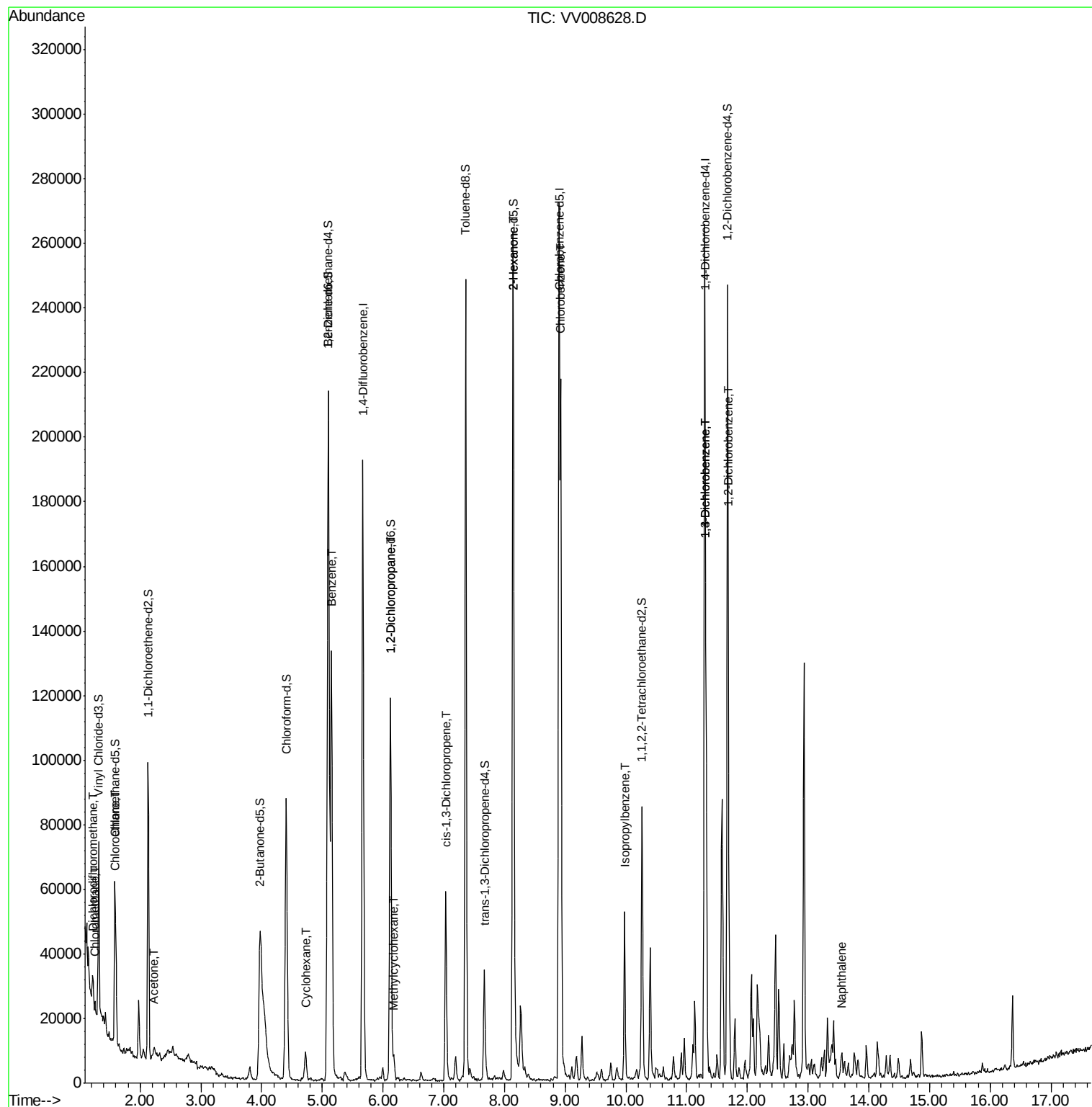
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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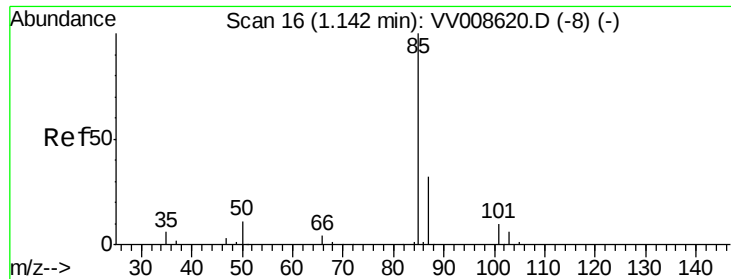
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.118 ug/L

RT: 1.22 min Scan# 40

Delta R.T. 0.08 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

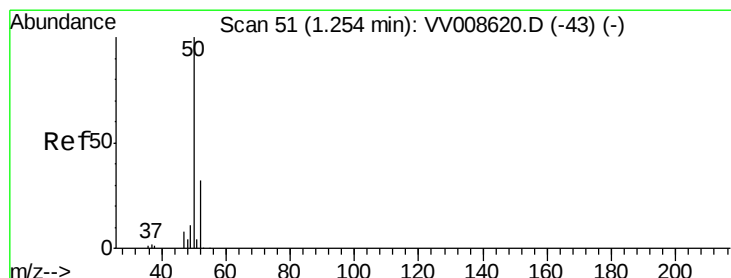
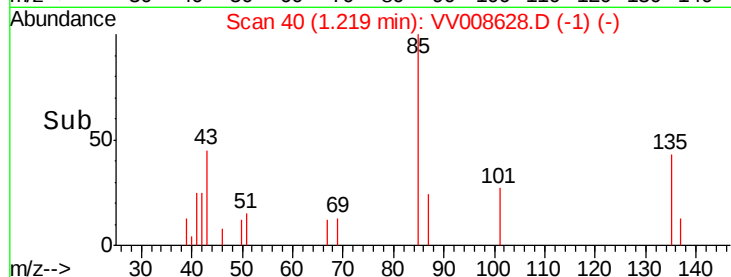
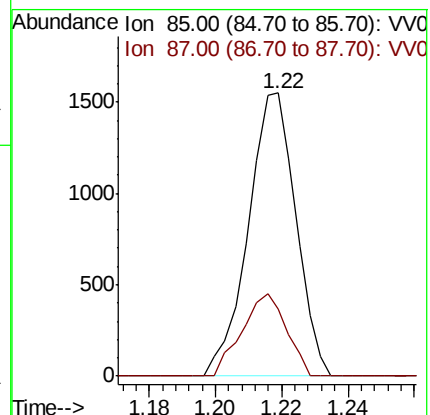
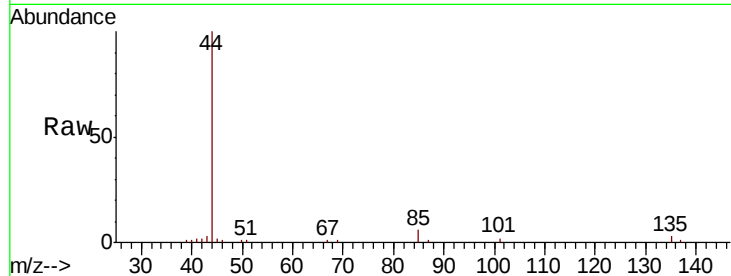
Instrument :
MSVOA_V
ClientSampleId :
ETO77

Tot Ion: 85 Resp: 1546

Ion Ratio Lower Upper

85 100

87 27.0 25.7 38.5



#3

Chloromethane

Concen: 0.194 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008628.D

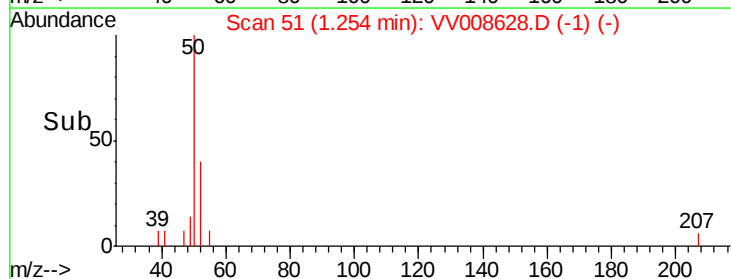
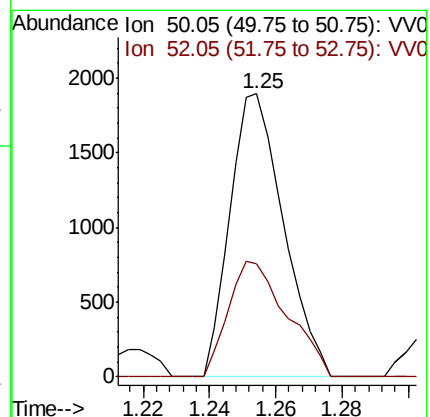
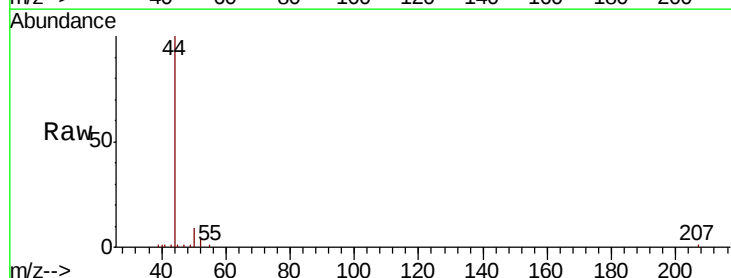
Acq: 17 Nov 2018 14:47

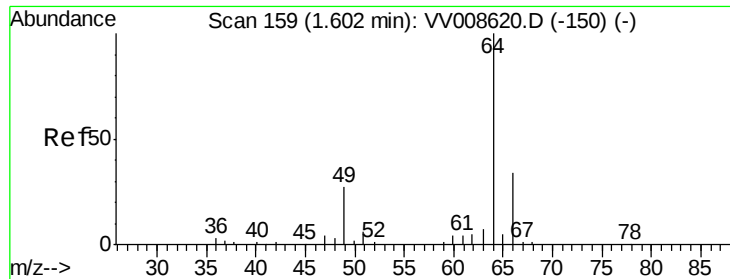
Tgt Ion: 50 Resp: 2128

Ion Ratio Lower Upper

50 100

52 39.9 23.3 43.3

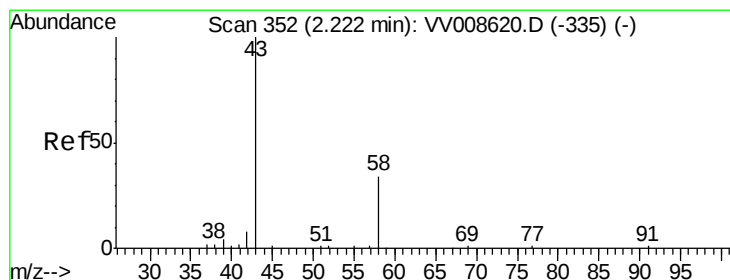
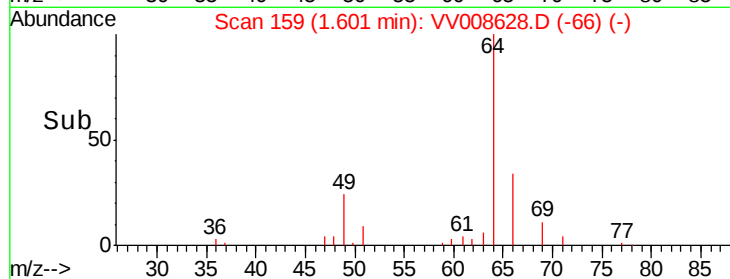
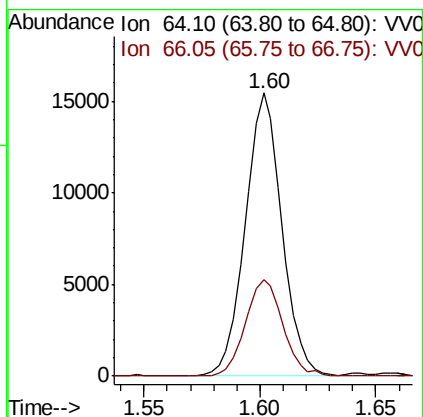
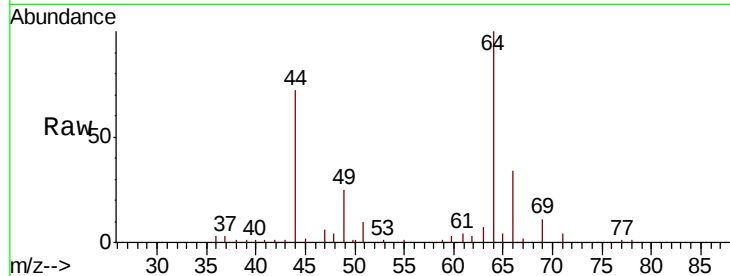




#8
Chloroethane
Concen: 2.872 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008628.D
Acq: 17 Nov 2018 14:47

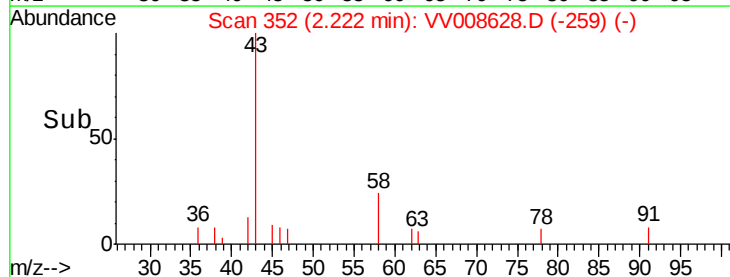
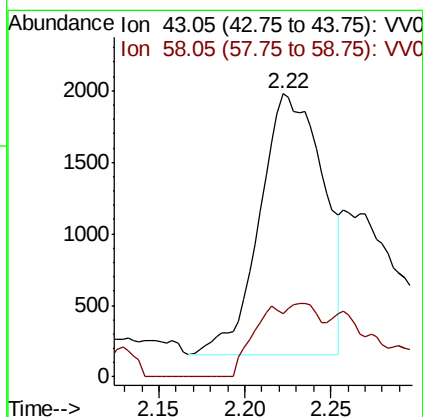
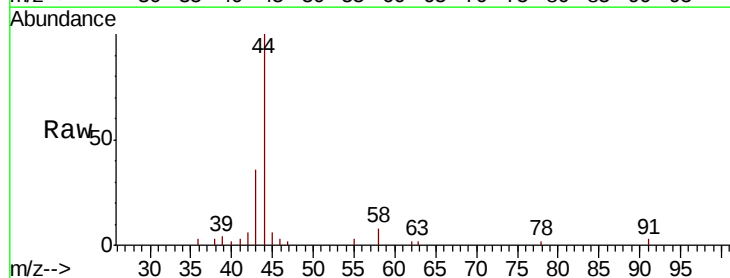
Instrument :
MSVOA_V
ClientSampleId :
ETO77

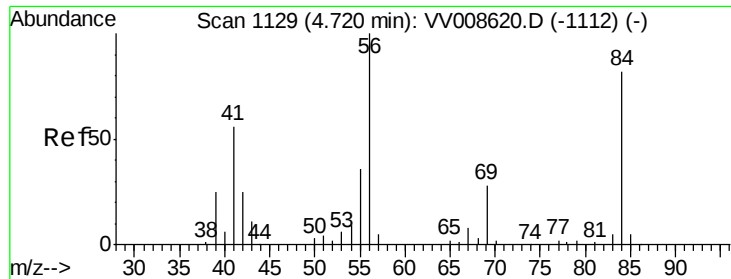
Tot Ion: 64 Resp: 16982
Ion Ratio Lower Upper
64 100
66 34.2 22.7 42.3



#13
Acetone
Concen: 3.564 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.00 min
Lab File: VV008628.D
Acq: 17 Nov 2018 14:47

Tgt Ion: 43 Resp: 4713
Ion Ratio Lower Upper
43 100
58 13.0 0.0 56.4

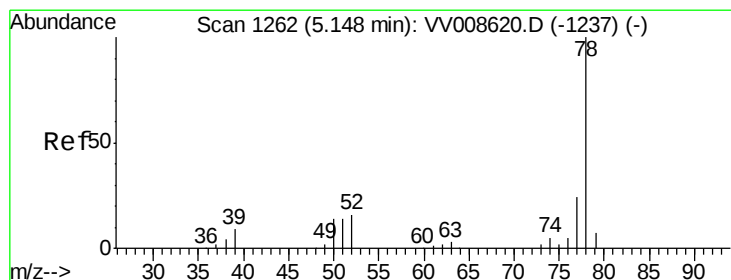
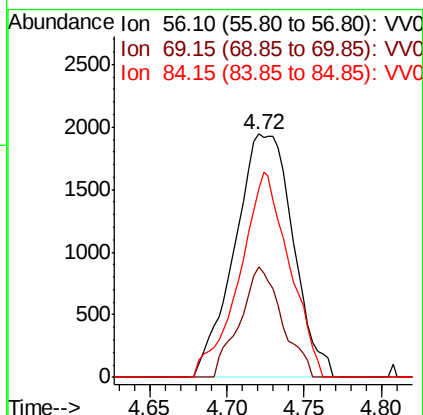
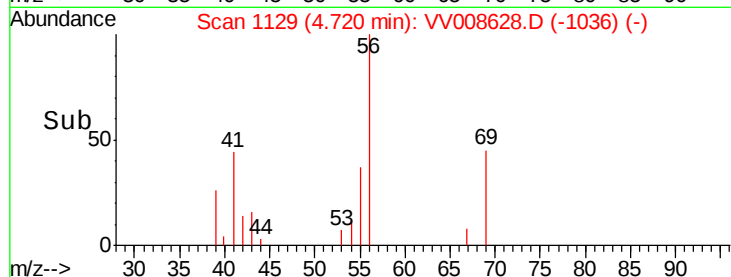
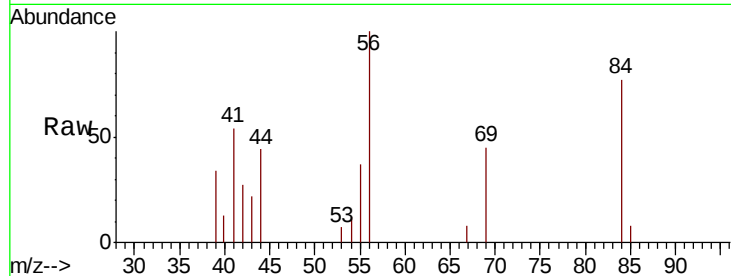




#30
Cyclohexane
Concen: 0.254 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV008628.D
Acq: 17 Nov 2018 14:47

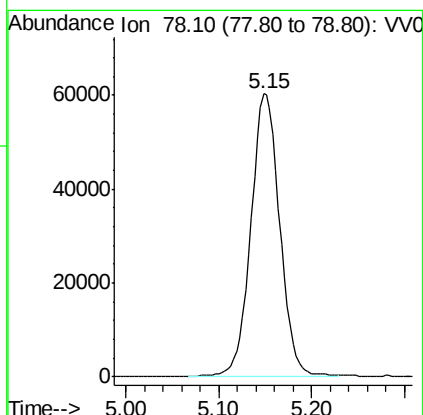
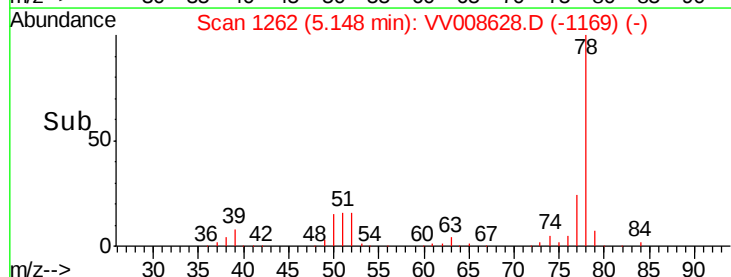
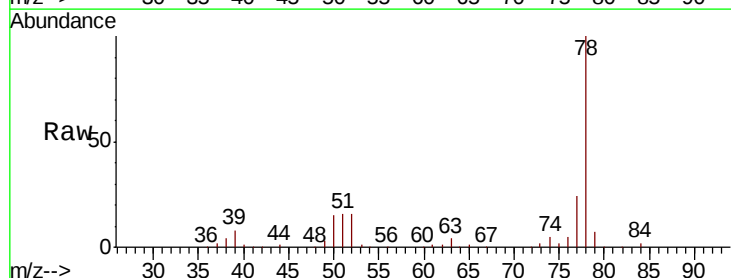
Instrument :
MSVOA_V
ClientSampleId :
ETO77

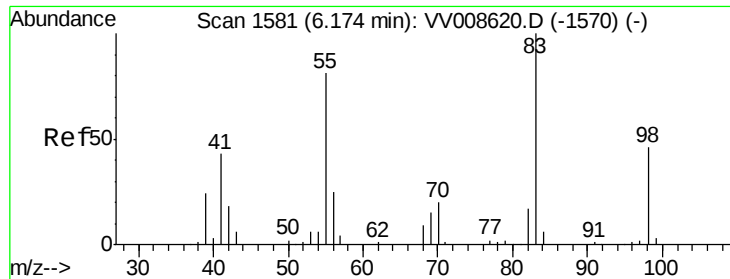
Tot Ion: 56 Resp: 5097
Ion Ratio Lower Upper
56 100
69 32.9 24.2 36.4
84 71.9 65.7 98.5



#33
Benzene
Concen: 2.896 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV008628.D
Acq: 17 Nov 2018 14:47

Tgt Ion: 78 Resp: 131062

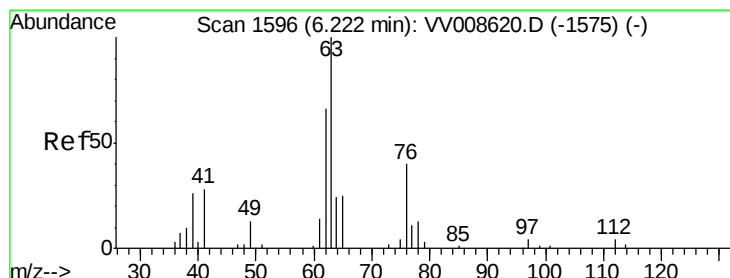
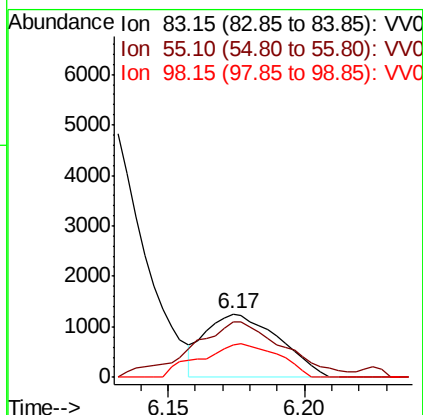
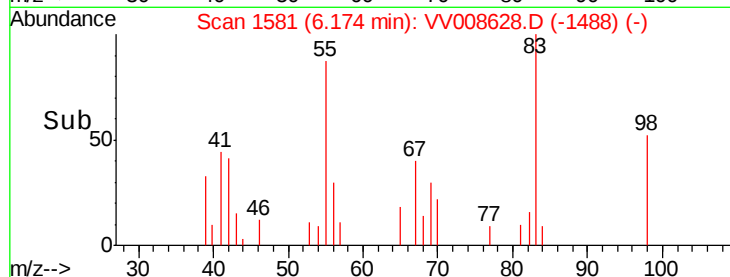
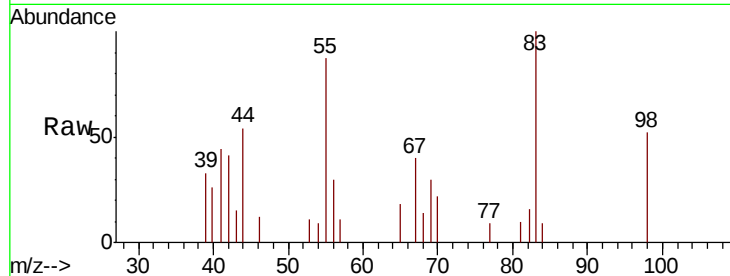




#35
Methvlcvclohexane
Concen: 0.116 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV008628.D
Acq: 17 Nov 2018 14:47

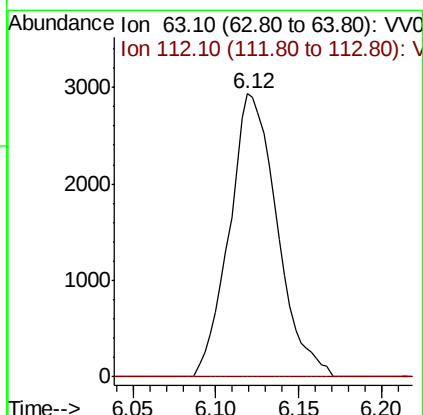
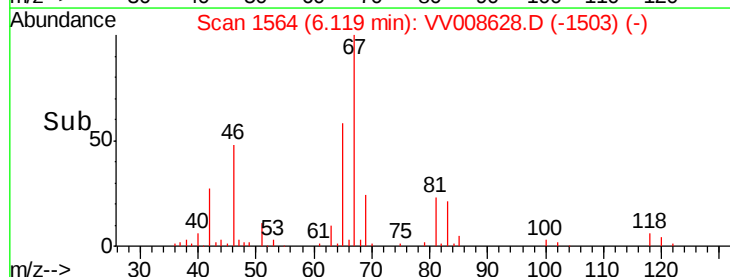
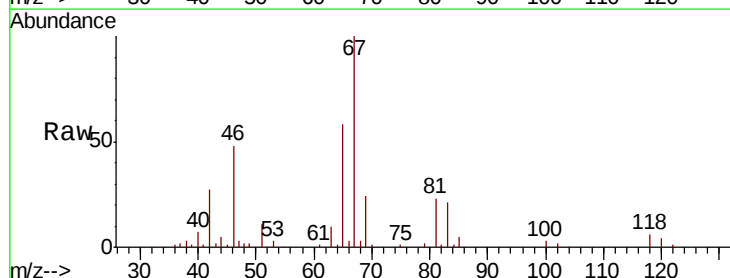
Instrument :
MSVOA_V
ClientSampleId :
ETO77

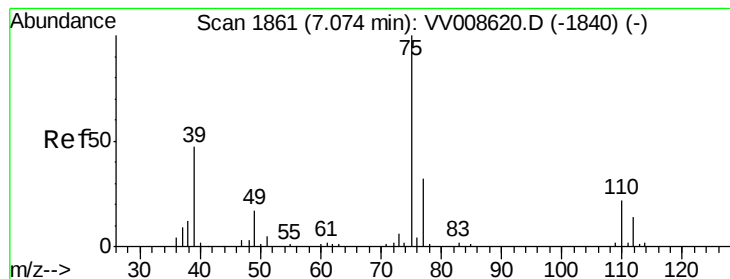
Tot Ion: 83 Resp: 2347
Ion Ratio Lower Upper
83 100
55 111.5 65.6 98.4#
98 56.2 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV008628.D
Acq: 17 Nov 2018 14:47

Tgt Ion: 63 Resp: 5866
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#





#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

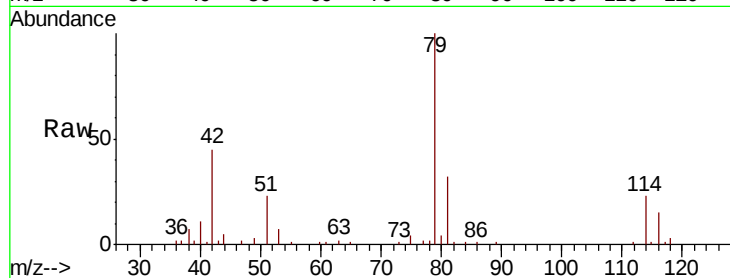
ETO77

Tot Ion: 75 Resp: 1209

Ion Ratio Lower Upper

75 100

77 56.2 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.03

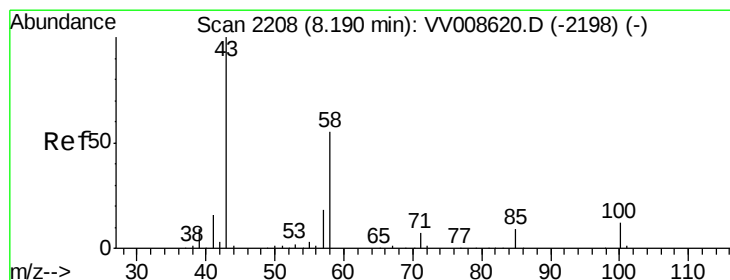
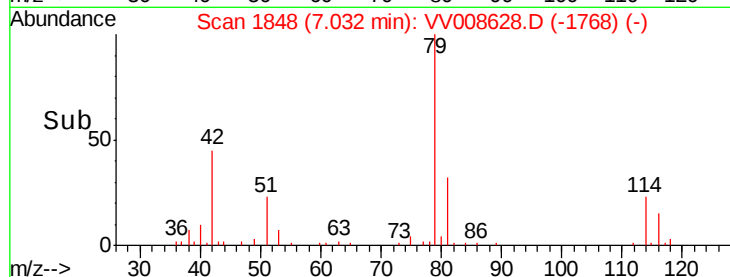
600

400

200

0

Time-->



#48

2-Hexanone

Concen: 2.559 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

Tgt Ion: 43 Resp: 12024

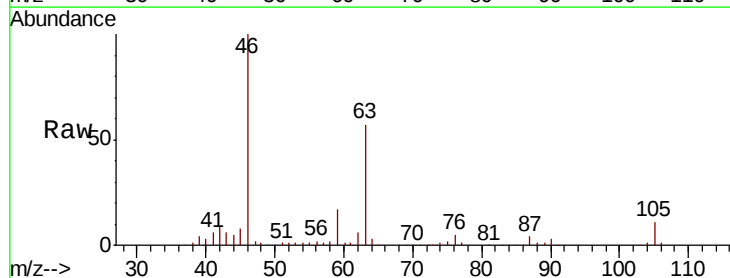
Ion Ratio Lower Upper

43 100

58 27.3 41.8 62.8#

57 21.6 15.4 23.0

100 0.0 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

8000

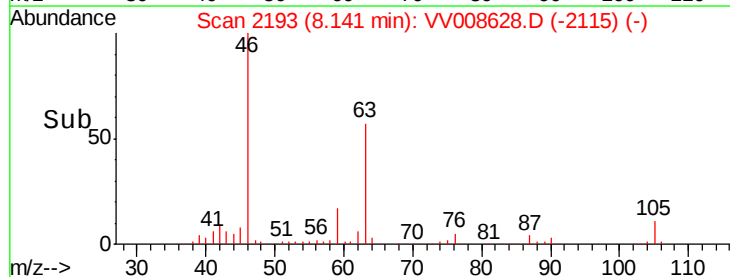
6000

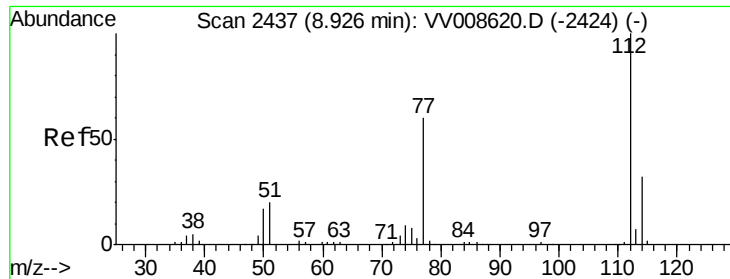
4000

2000

0

Time-->





#51

Chlorobenzene

Concen: 3.658 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008628.D

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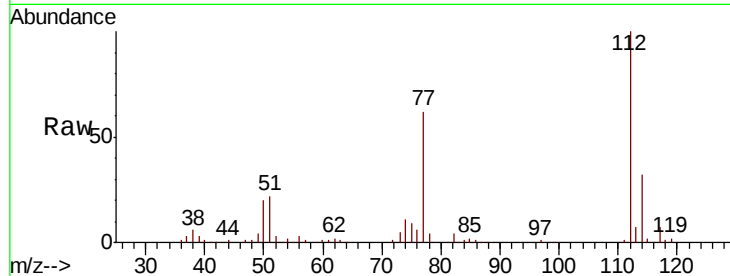
Tot Ion:112 Resp: 106421

Ion Ratio Lower Upper

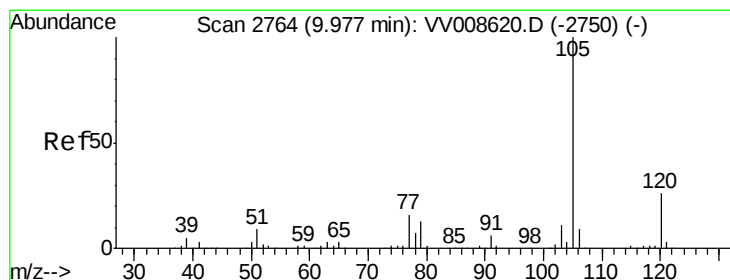
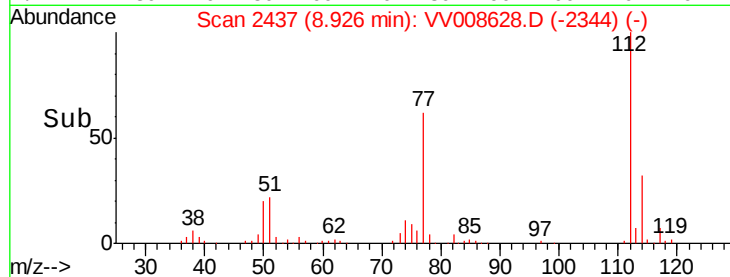
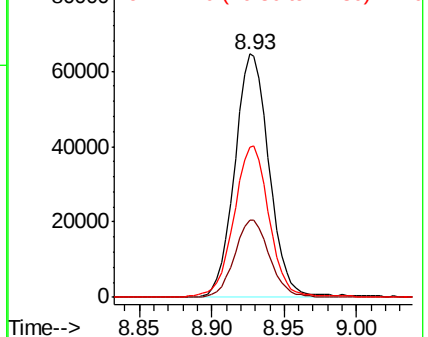
112 100

114 31.5 21.9 40.7

77 61.8 47.9 71.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#56

Isopropylbenzene

Concen: 0.619 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

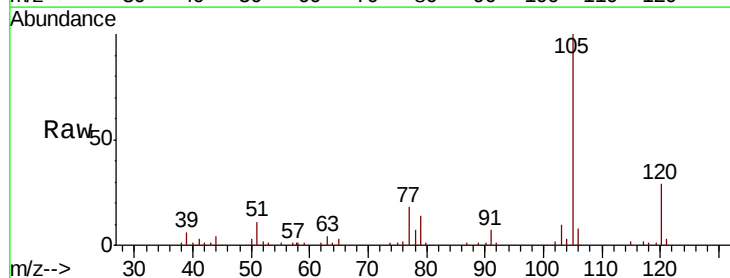
Tgt Ion:105 Resp: 31055

Ion Ratio Lower Upper

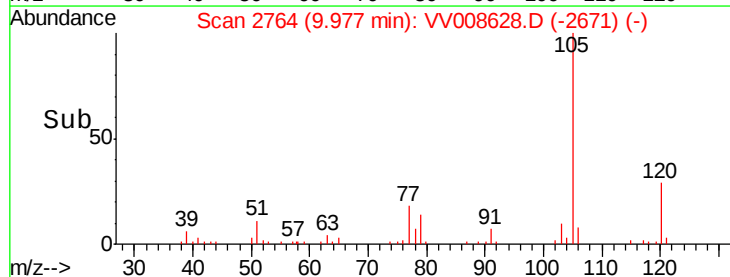
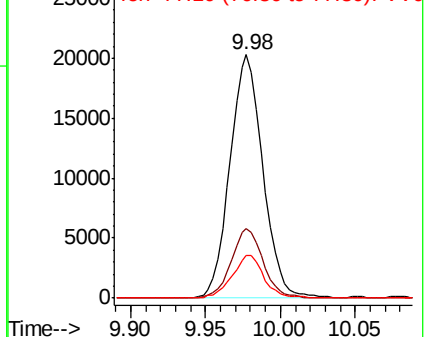
105 100

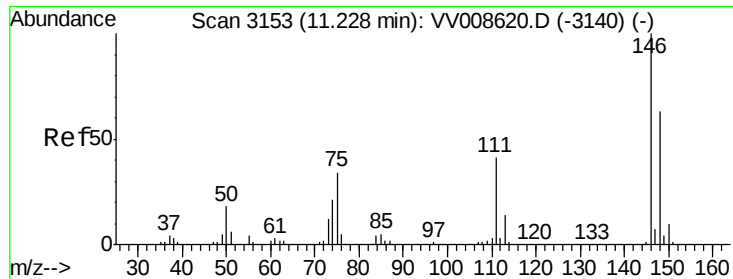
120 27.5 21.0 31.6

77 16.9 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V





#62

1,3-Dichlorobenzene

Concen: 1.597 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.09 min

Lab File: VV008628.D

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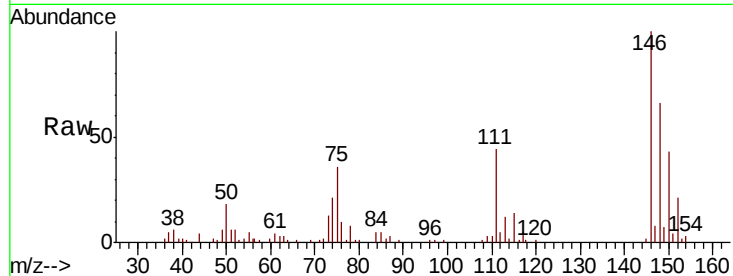
Tot Ion:146 Resp: 33861

Ion Ratio Lower Upper

146 100

111 44.0 28.1 52.1

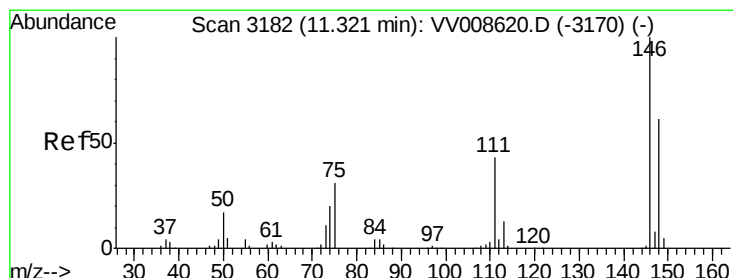
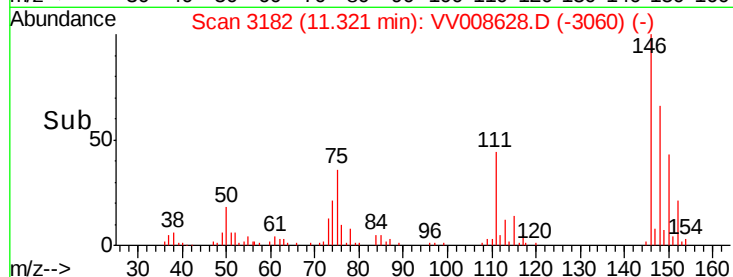
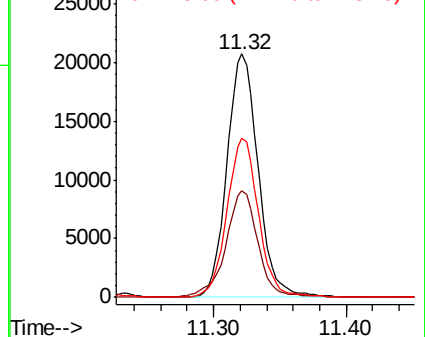
148 65.6 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.621 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

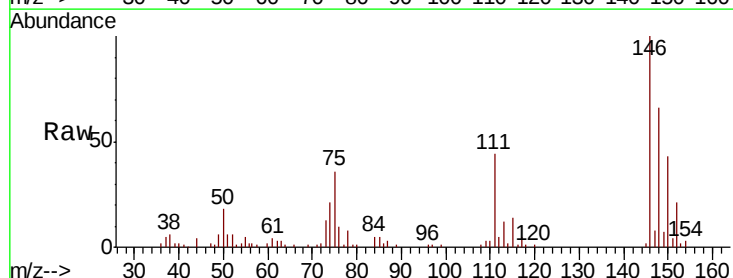
Tgt Ion:146 Resp: 33861

Ion Ratio Lower Upper

146 100

111 44.0 28.2 52.4

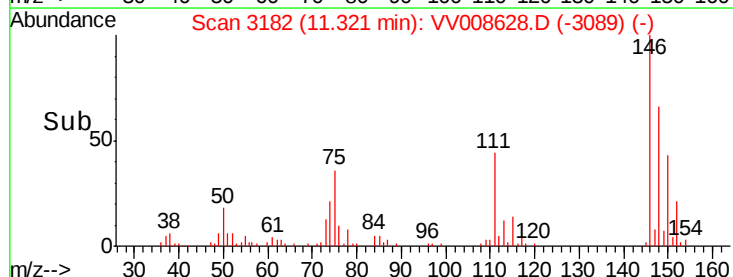
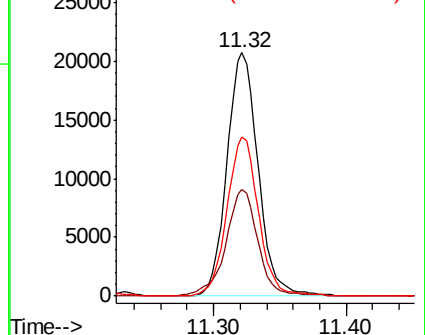
148 65.6 44.1 81.9

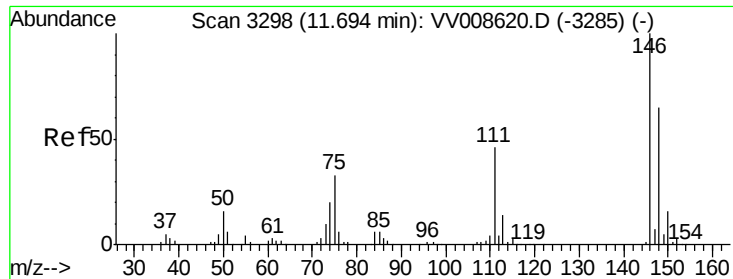


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.245 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

Instrument :

MSVOA_V

ClientSampleId :

ETO77

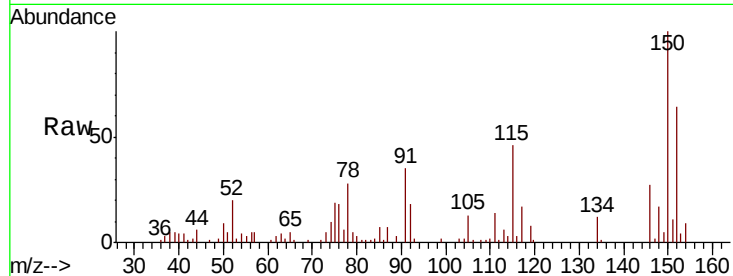
Tot Ion:146 Resp: 4952

Ion Ratio Lower Upper

146 100

111 51.9 33.5 50.3#

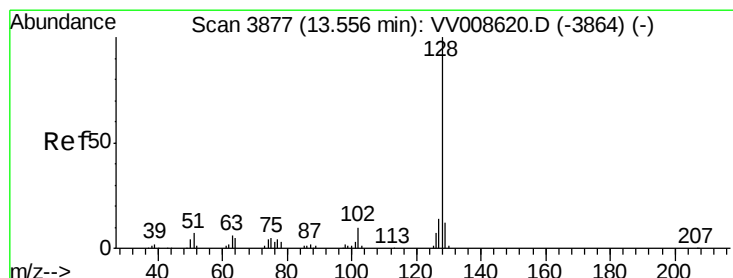
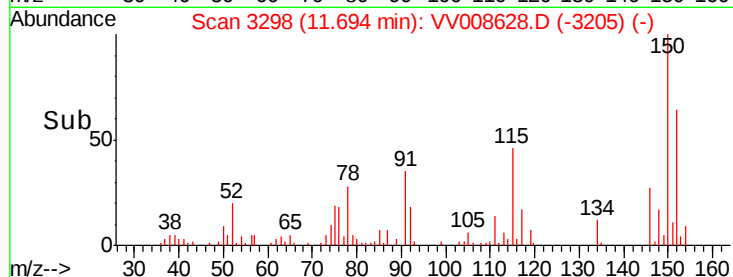
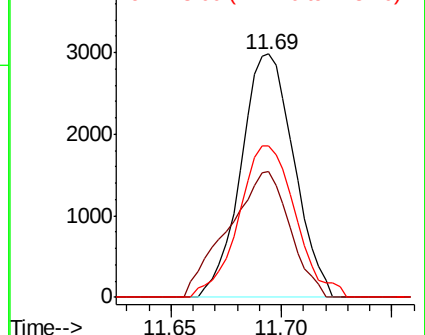
148 62.0 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 0.290 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008628.D

Acq: 17 Nov 2018 14:47

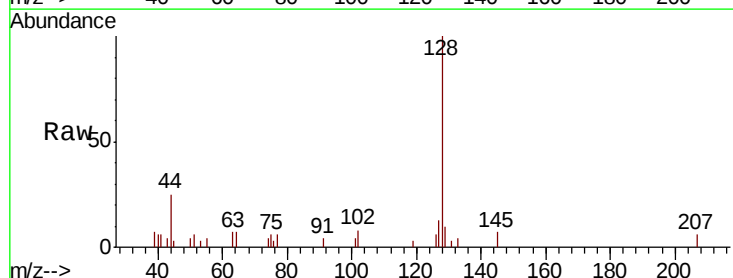
Tgt Ion:128 Resp: 5835

Ion Ratio Lower Upper

128 100

129 10.0 8.8 13.2

127 12.7 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

