

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016236.D
 Acq On : 27 May 2020 18:29
 Operator : SY/MD
 Sample : L2754-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:25:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	87154	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	85785	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27229	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	25198	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.13	63	39448	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.94	46	75054	54.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	4.38	84	55955	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.06	65	30823	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.08	84	107930	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.10	67	34051	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	94807	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
45) trans-1,3-Dichloropropene-	7.65	79	11320	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	8.12	63	51490	45.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23582	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	33830	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	1314	0.308 ug/L #	42
13) Acetone	2.21	43	1641	1.909 ug/L	77
22) cis-1,2-Dichloroethene	3.95	96	523	0.079 ug/L	84
27) 1,2-Dichloroethane	5.08	62	786	0.106 ug/L #	79
35) Methylcyclohexane	6.10	83	7935	0.732 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4052	0.669 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	961	0.112 ug/L #	76
46) trans-1,3-Dichloropropene	7.65	75	568	0.080 ug/L	90
49) Tetrachloroethene	8.00	164	1169	0.253 ug/L	85
51) Dibromochloromethane	8.00	129	1242	0.294 ug/L #	10
53) Chlorobenzene	8.91	112	14993	0.901 ug/L	96
63) 1,3-Dichlorobenzene	11.30	146	1575	0.136 ug/L	93
64) 1,4-Dichlorobenzene	11.30	146	1575	0.134 ug/L	91
66) 1,2-Dichlorobenzene	11.67	146	1193	0.114 ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.42	75	406	0.575 ug/L #	9
70) Naphthalene	13.53	128	2003	0.128 ug/L #	84

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 01:17:22 2020
Response via : Initial Calibration

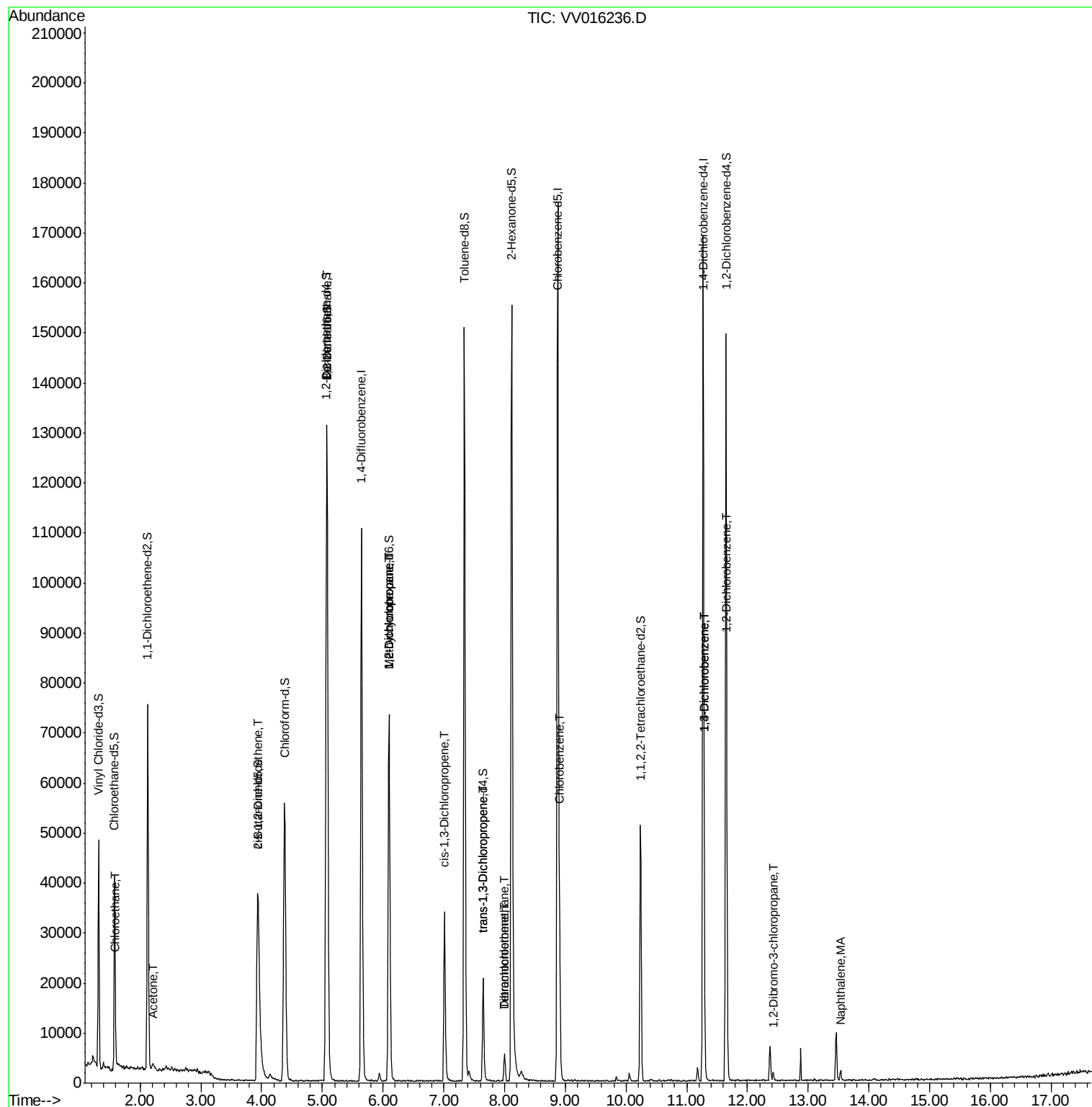
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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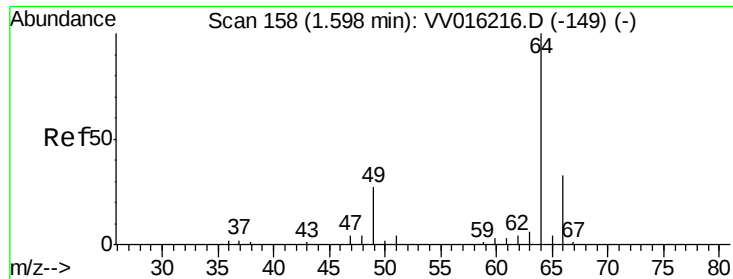
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 28 01:17:22 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.308 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV016236.D

Acq: 27 May 2020 18:29

Instrument :

MSVOA_V

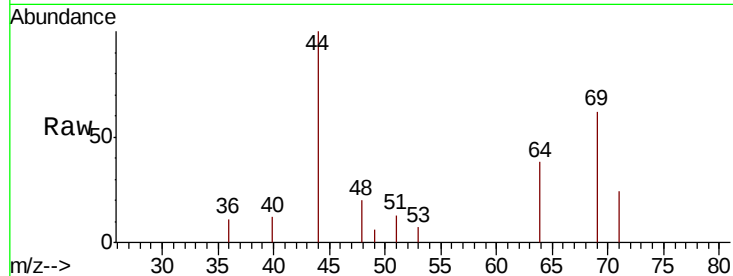
ClientSampleId :

Tot Ion: 64 Resp: 1314

Ion Ratio Lower Upper

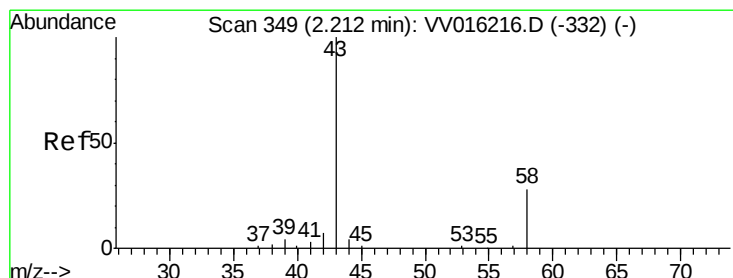
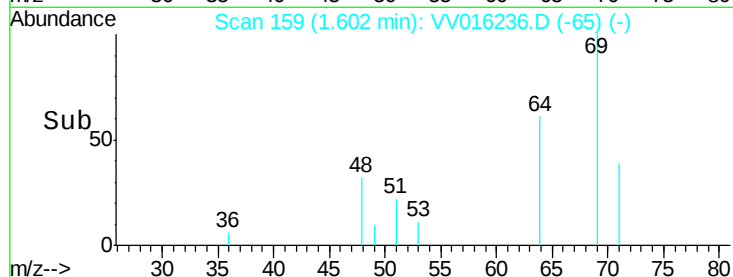
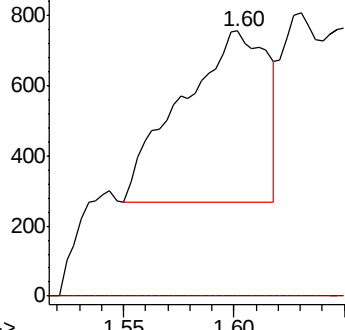
64 100

66 0.0 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#13

Acetone

Concen: 1.909 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV016236.D

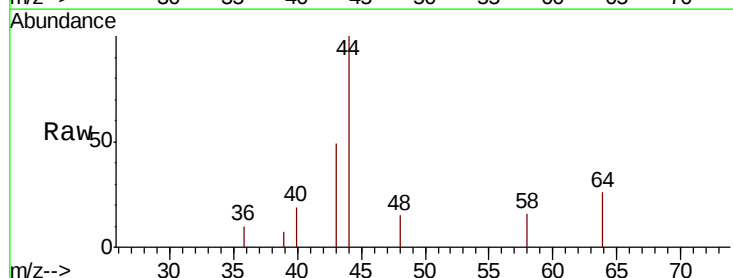
Acq: 27 May 2020 18:29

Tgt Ion: 43 Resp: 1641

Ion Ratio Lower Upper

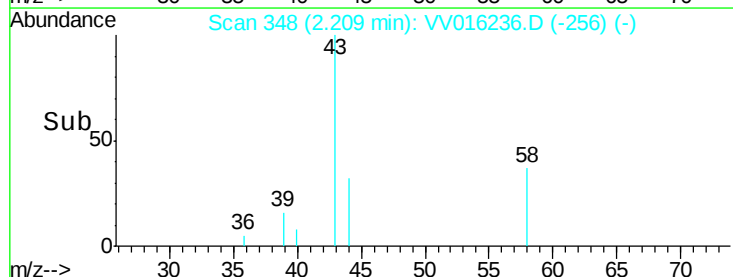
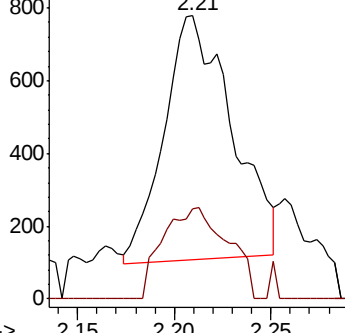
43 100

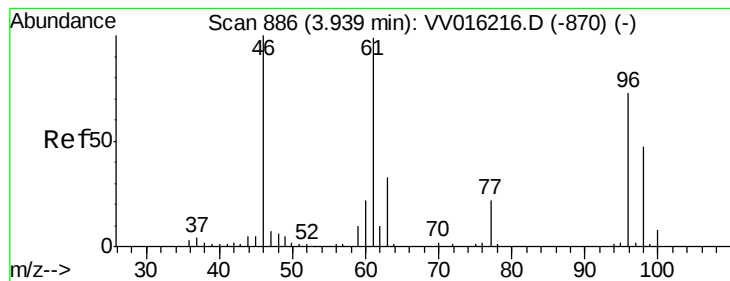
58 36.0 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.079 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV016236.D

Acq: 27 May 2020 18:29

Instrument :
MSVOA_V
ClientSampled :

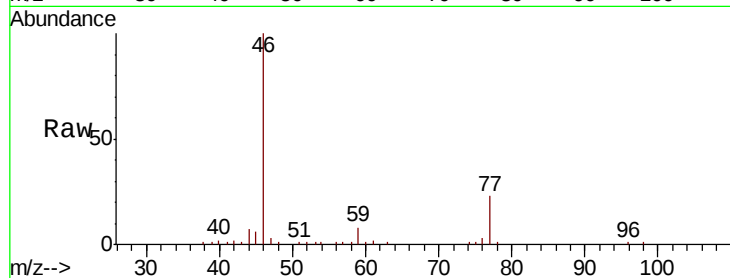
Tot Ion: 96 Resp: 523

Ion Ratio Lower Upper

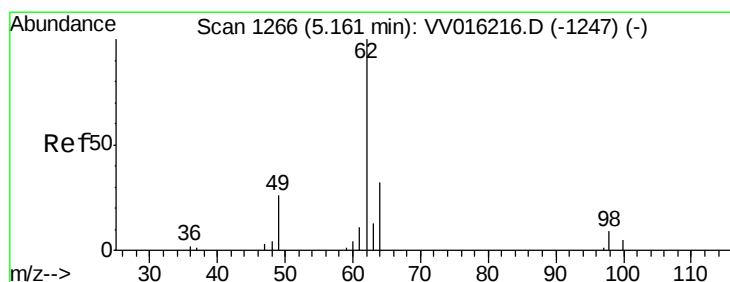
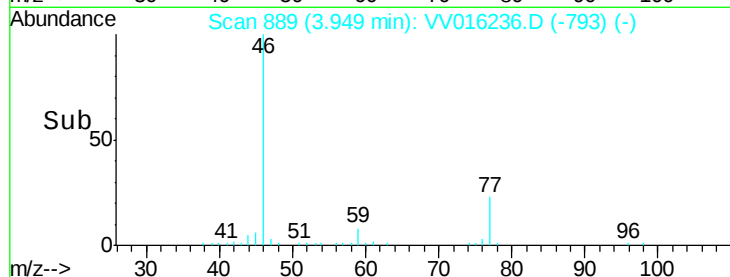
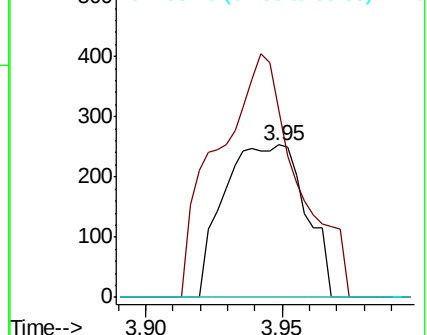
96 100

61 123.3 99.7 185.1

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



#27

1,2-Dichloroethane

Concen: 0.106 ug/L

RT: 5.08 min Scan# 1241

Delta R.T. -0.08 min

Lab File: VV016236.D

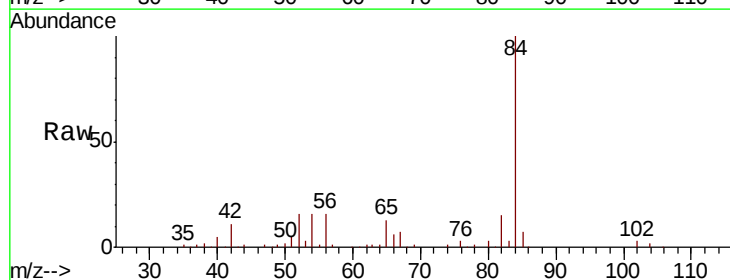
Acq: 27 May 2020 18:29

Tgt Ion: 62 Resp: 786

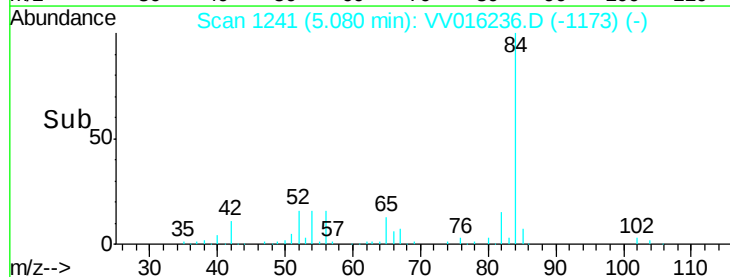
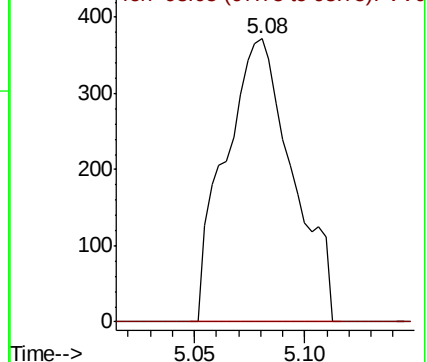
Ion Ratio Lower Upper

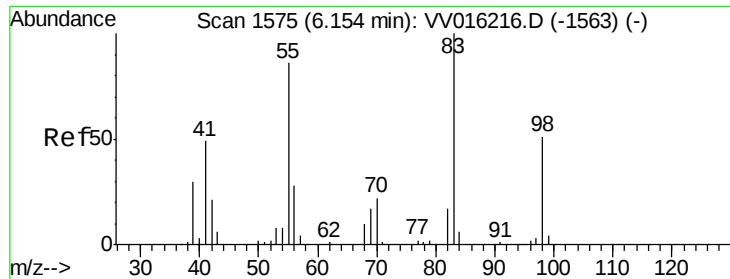
62 100

98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

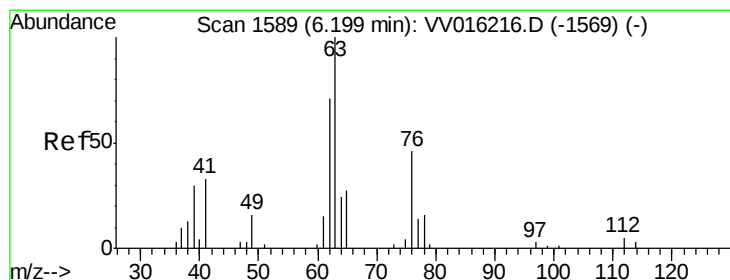
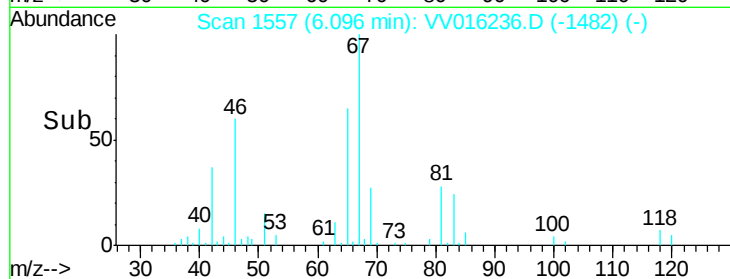
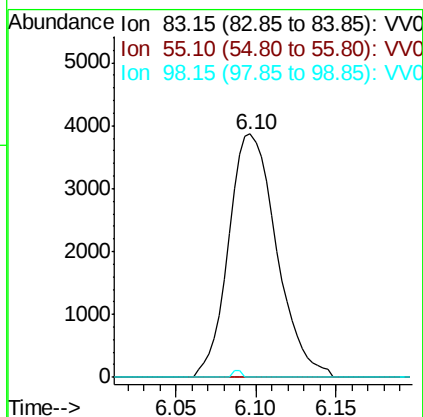
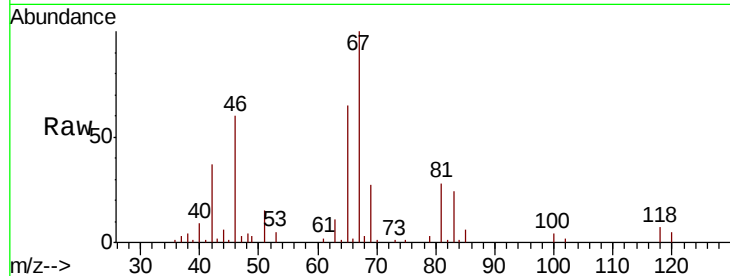




#35
Methvlcvclohexane
Concen: 0.732 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016236.D
Acq: 27 May 2020 18:29

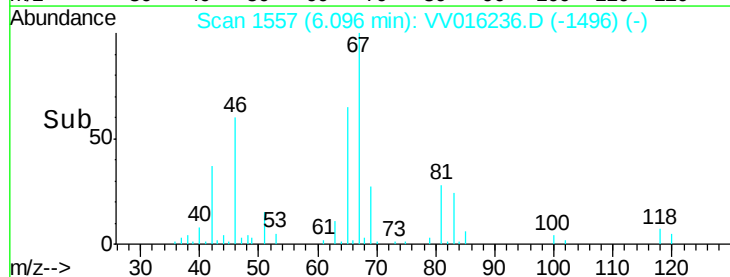
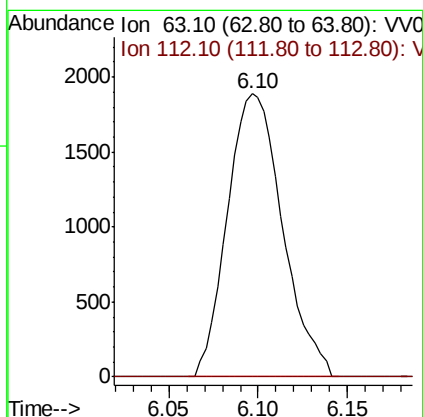
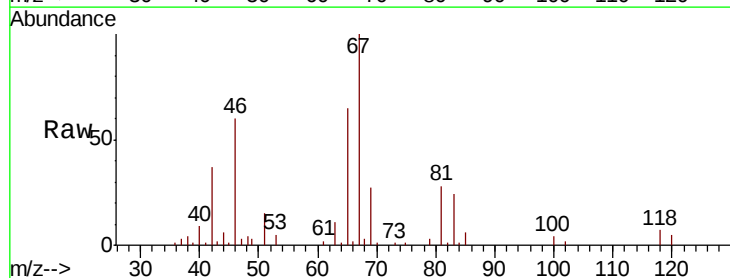
Instrument :
MSVOA_V
ClientSampleId :

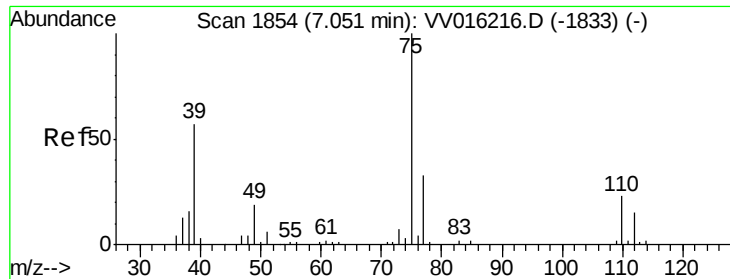
Tot Ion	83.15	Resp:	7935
Ion	Ratio	Lower	Upper
83	100		
55	0.0	65.4	98.0#
98	0.5	39.3	58.9#



#37
1,2-Dichloropropane
Concen: 0.669 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016236.D
Acq: 27 May 2020 18:29

Tgt Ion	63	Resp:	4052
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#

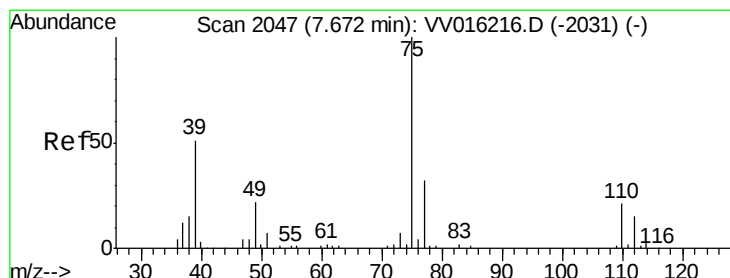
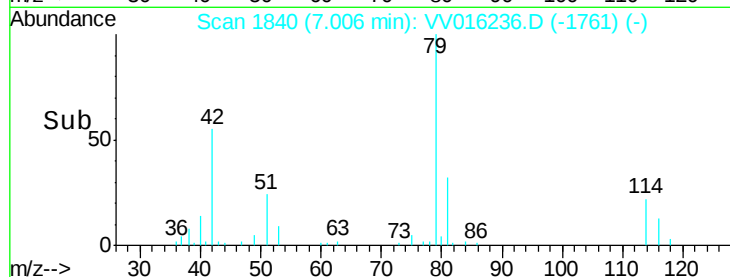
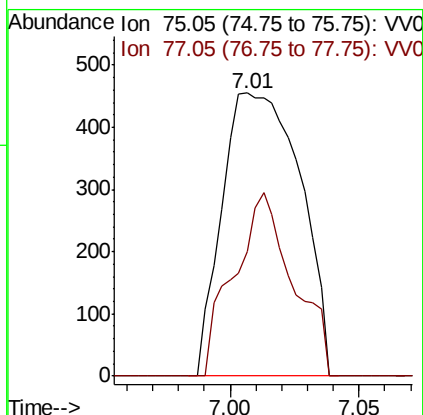
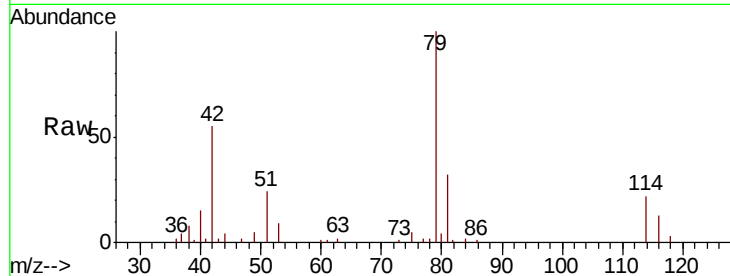




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV016236.D
 Acq: 27 May 2020 18:29

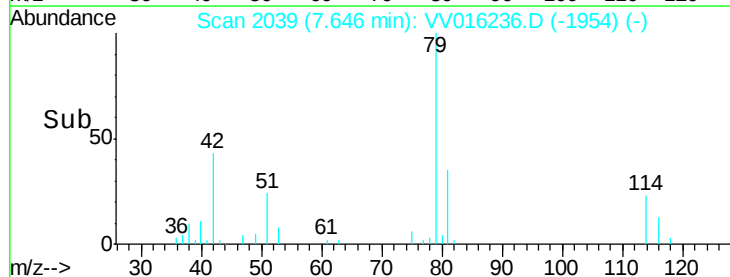
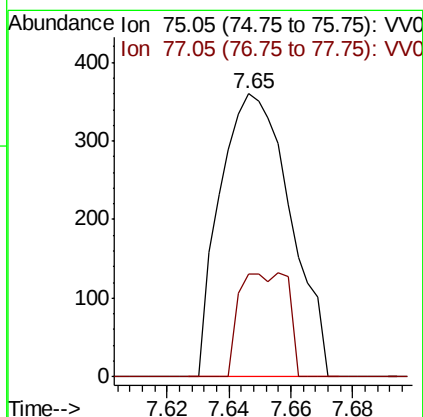
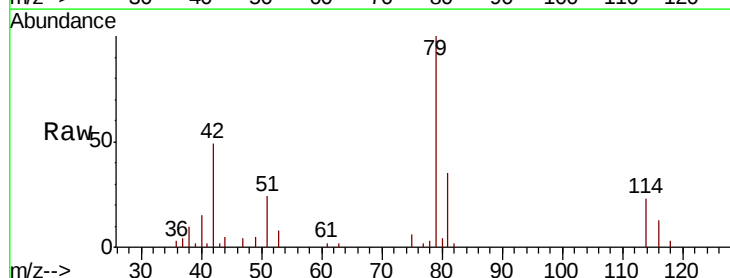
Instrument :
 MSVOA_V
 ClientSampled :

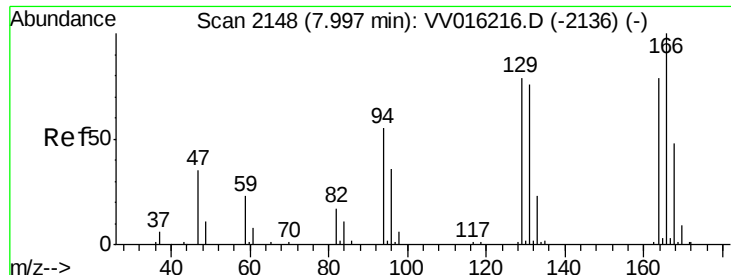
Tot Ion: 75 Resp: 961
 Ion Ratio Lower Upper
 75 100
 77 44.0 21.7 40.3#



#46
 trans-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016236.D
 Acq: 27 May 2020 18:29

Tgt Ion: 75 Resp: 568
 Ion Ratio Lower Upper
 75 100
 77 36.4 21.7 40.3





#49

Tetrachloroethene

Concen: 0.253 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV016236.D

Acq: 27 May 2020 18:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1169

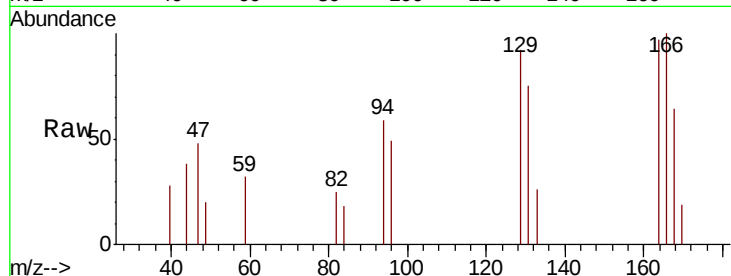
Ion Ratio Lower Upper

164 100

129 94.4 70.7 131.3

131 77.6 66.6 123.8

166 103.2 86.9 161.5

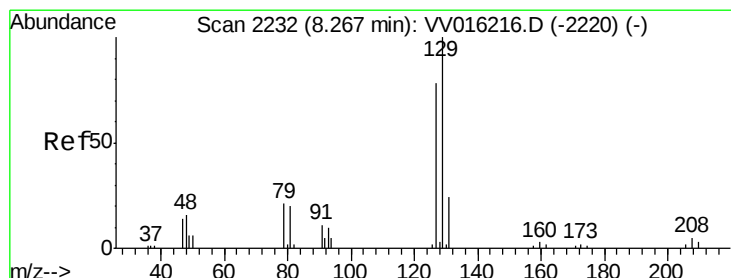
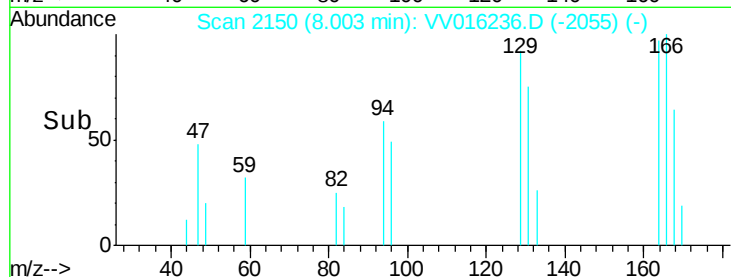
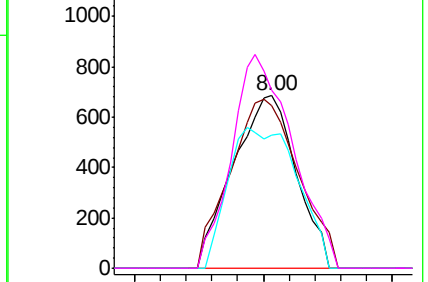


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Dibromochloromethane

Concen: 0.294 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV016236.D

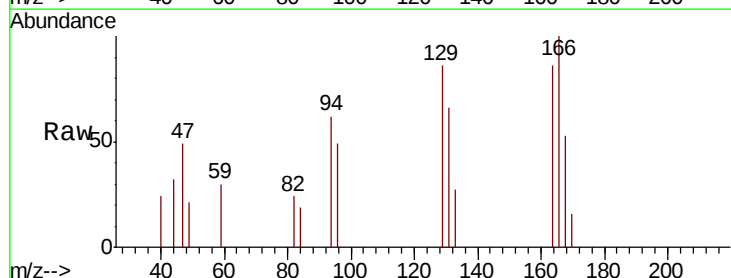
Acq: 27 May 2020 18:29

Tgt Ion:129 Resp: 1242

Ion Ratio Lower Upper

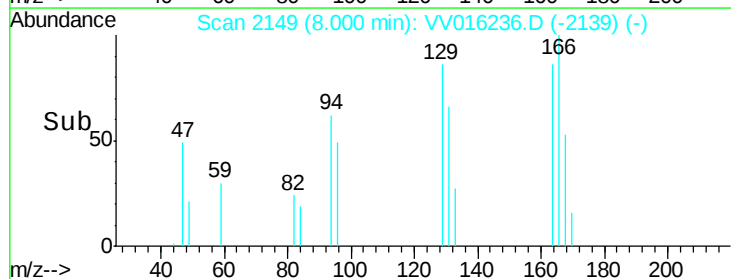
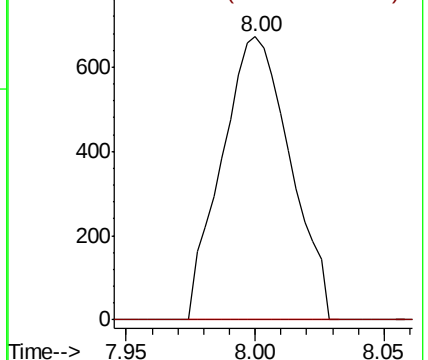
129 100

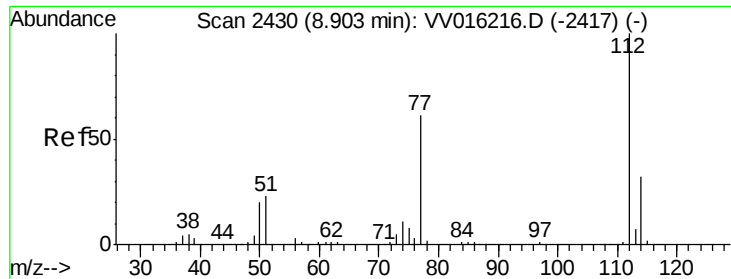
127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

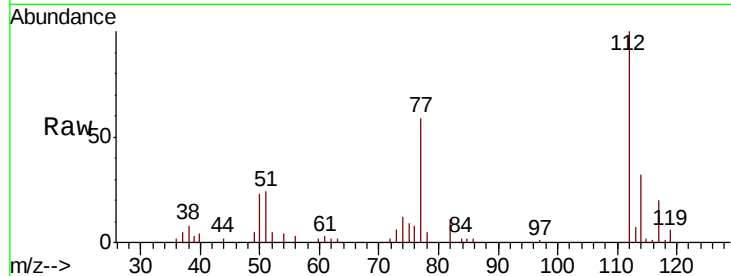




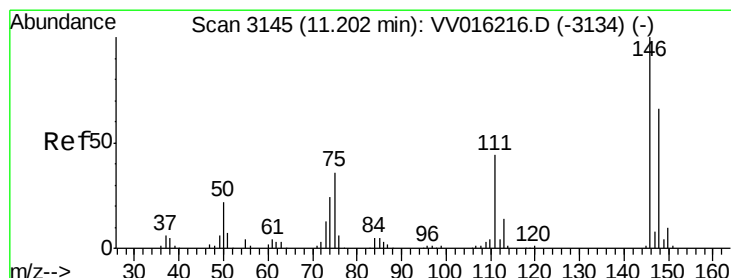
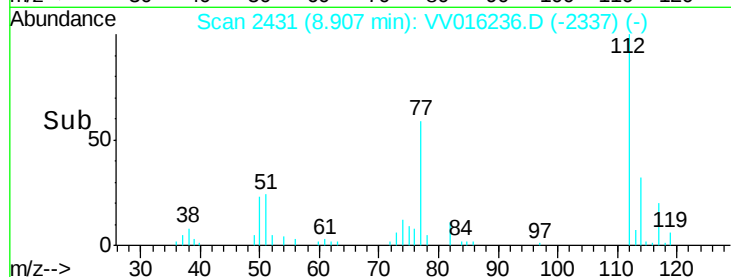
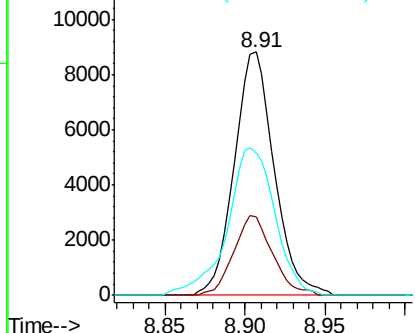
#53
Chlorobenzene
Concen: 0.901 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV016236.D
Acq: 27 May 2020 18:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:112 Resp: 14993
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 58.8 50.7 76.1

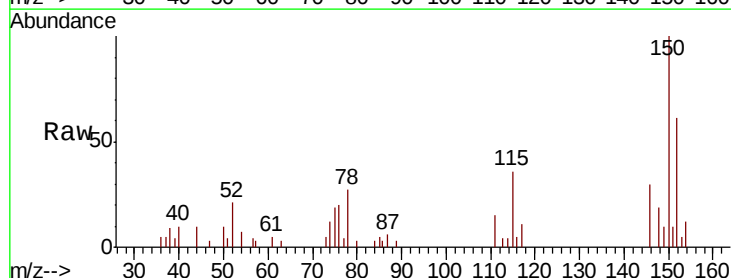


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

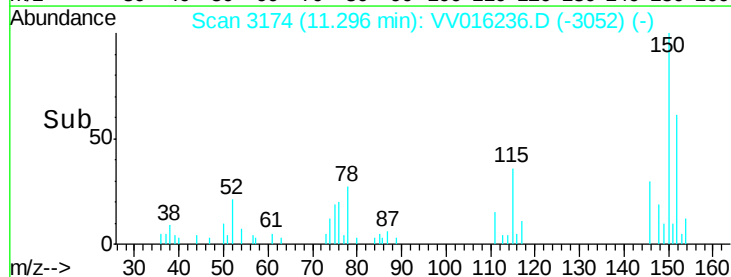
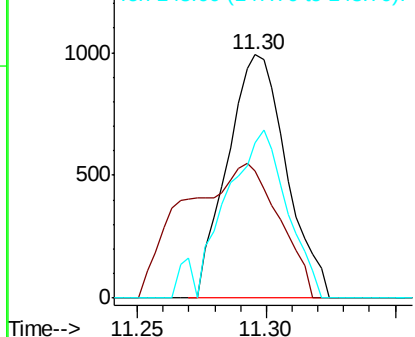


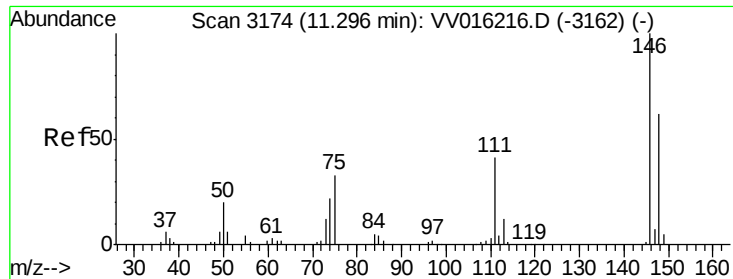
#63
1,3-Dichlorobenzene
Concen: 0.136 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.09 min
Lab File: VV016236.D
Acq: 27 May 2020 18:29

Tgt Ion:146 Resp: 1575
Ion Ratio Lower Upper
146 100
111 52.1 29.7 55.1
148 64.0 45.9 85.3



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





#64

1,4-Dichlorobenzene

Concen: 0.134 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016236.D

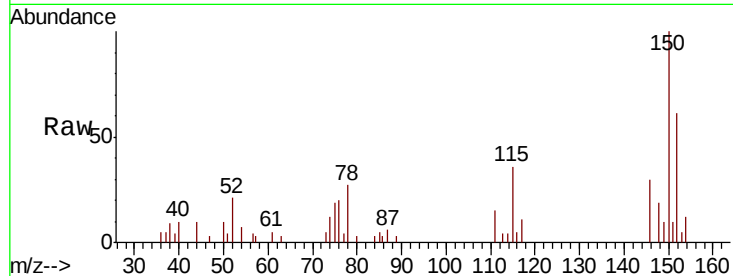
Acq: 27 May 2020 18:29

Instrument :

MSVOA_V

ClientSampled :

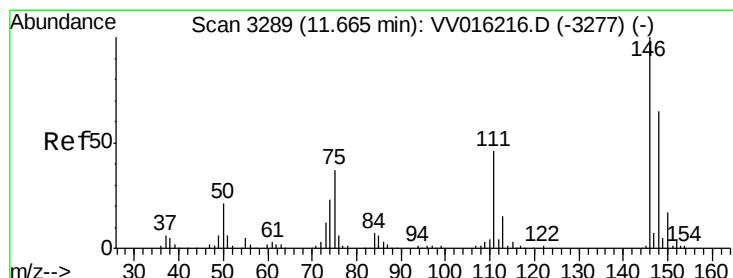
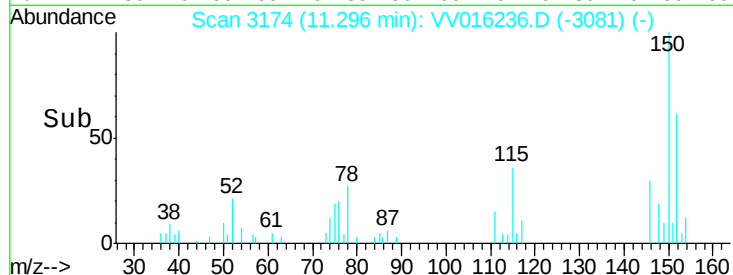
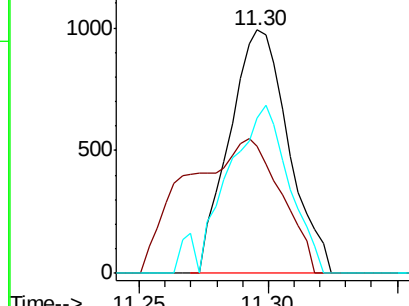
Tot Ion:	146	Resp:	1575
Ion	Ratio	Lower	Upper
146	100		
111	52.1	28.3	52.7
148	64.0	43.3	80.3



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



#66

1,2-Dichlorobenzene

Concen: 0.114 ug/L

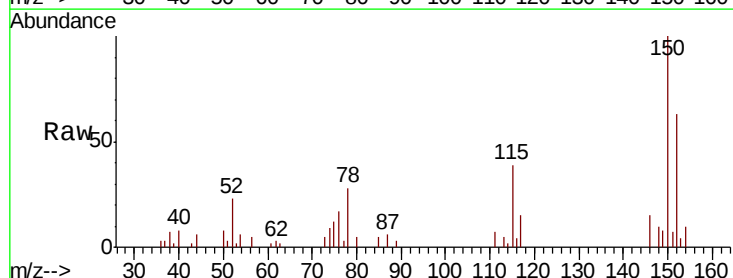
RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV016236.D

Acq: 27 May 2020 18:29

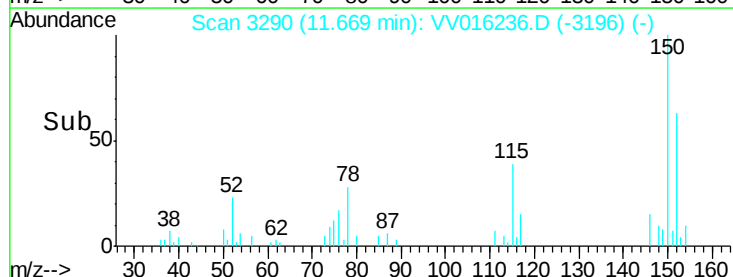
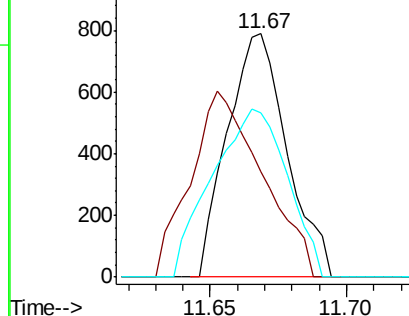
Tgt Ion:	146	Resp:	1193
Ion	Ratio	Lower	Upper
146	100		
111	43.3	35.7	53.5
148	67.6	51.3	76.9

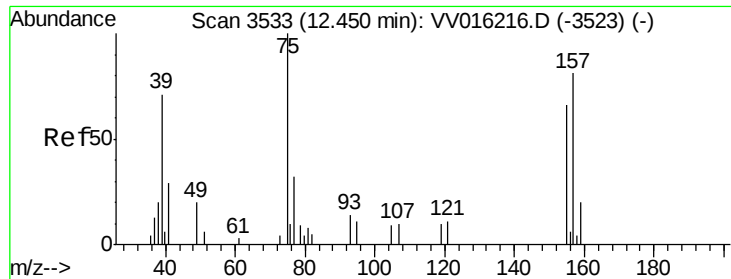


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 0.575 ug/L

RT: 12.42 min Scan# 3524

Delta R.T. -0.03 min

Lab File: VV016236.D

Acq: 27 May 2020 18:29

Instrument :

MSVOA_V

ClientSampleId :

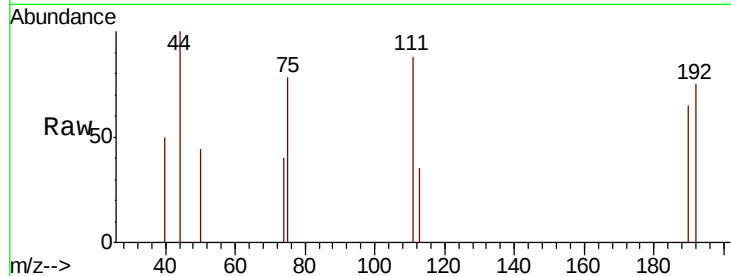
Tot Ion: 75 Resp: 406

Ion Ratio Lower Upper

75 100

155 0.0 56.2 84.4#

157 0.0 71.9 107.9#

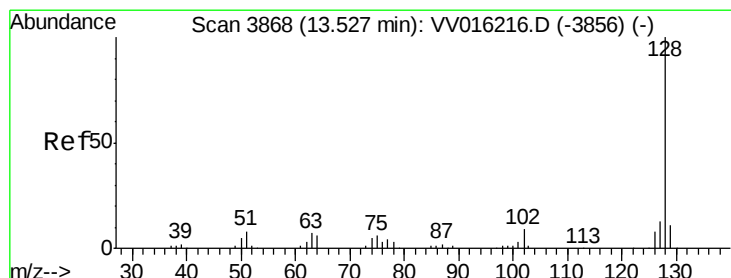
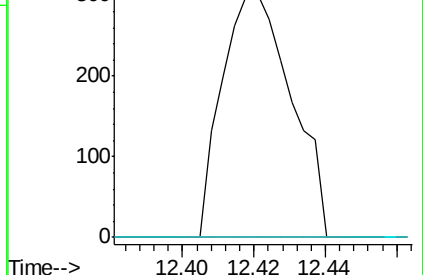
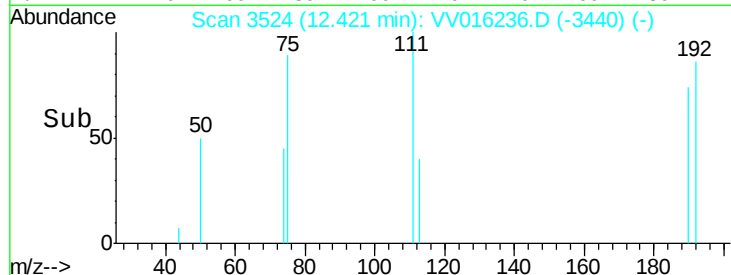


Abundance Ion 75.05 (74.75 to 75.75): VV016236.D (-3523) (-)

Ion 154.95 (154.65 to 155.65): VV016236.D (-3523) (-)

Ion 156.90 (156.60 to 157.60): VV016236.D (-3523) (-)

Time-->



#70

Naphthalene

Concen: 0.128 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

Lab File: VV016236.D

Acq: 27 May 2020 18:29

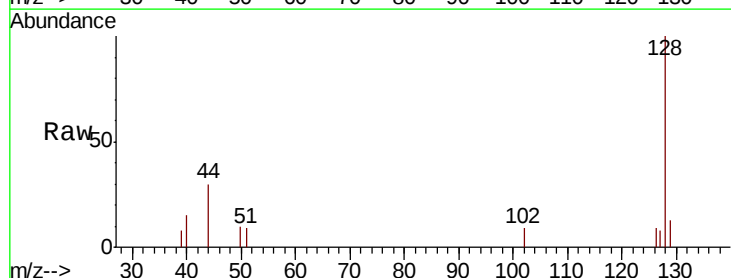
Tgt Ion: 128 Resp: 2003

Ion Ratio Lower Upper

128 100

129 5.2 8.6 13.0#

127 6.6 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): VV016236.D (-3856) (-)

Ion 129.00 (128.70 to 129.70): VV016236.D (-3856) (-)

Ion 127.00 (126.70 to 127.70): VV016236.D (-3856) (-)

Time-->

