

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016336.D
 Acq On : 30 May 2020 01:54
 Operator : SY/MD
 Sample : L2826-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 03:10:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 03:05:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	85192	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	77316	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	33233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24081	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	19532	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.12	63	34227	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.97	46	64946	47.85	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.70%
24) Chloroform-d	4.38	84	48621	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.06	65	26572	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.07	84	96208	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.10	67	28910	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.34	98	84991	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.65	79	8923	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
48) 2-Hexanone-d5	8.12	63	52494	51.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.64%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	19930	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	27170	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	3521	0.429 ug/L	97
8) Chloroethane	1.55	64	1561	0.374 ug/L #	50
12) 1,1-Dichloroethene	2.12	96	389	0.077 ug/L #	1
19) 1,1-Dichloroethane	3.21	63	546	0.052 ug/L #	90
22) cis-1,2-Dichloroethene	3.94	96	16448	2.529 ug/L	96
34) Trichloroethene	5.94	95	41825	7.216 ug/L	98
35) Methylcyclohexane	6.10	83	6771	0.693 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	3687	0.676 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	743	0.096 ug/L #	64
46) trans-1,3-Dichloropropene	7.65	75	396	0.062 ug/L #	48
49) Tetrachloroethene	8.00	164	2568	0.617 ug/L	98
50) 2-Hexanone	8.12	43	7353	3.106 ug/L #	71
51) Dibromochloromethane	7.99	129	2520	0.663 ug/L #	10
53) Chlorobenzene	8.90	112	2952	0.197 ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	531	0.052 ug/L #	80
70) Naphthalene	13.53	128	6675	0.485 ug/L	98

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration

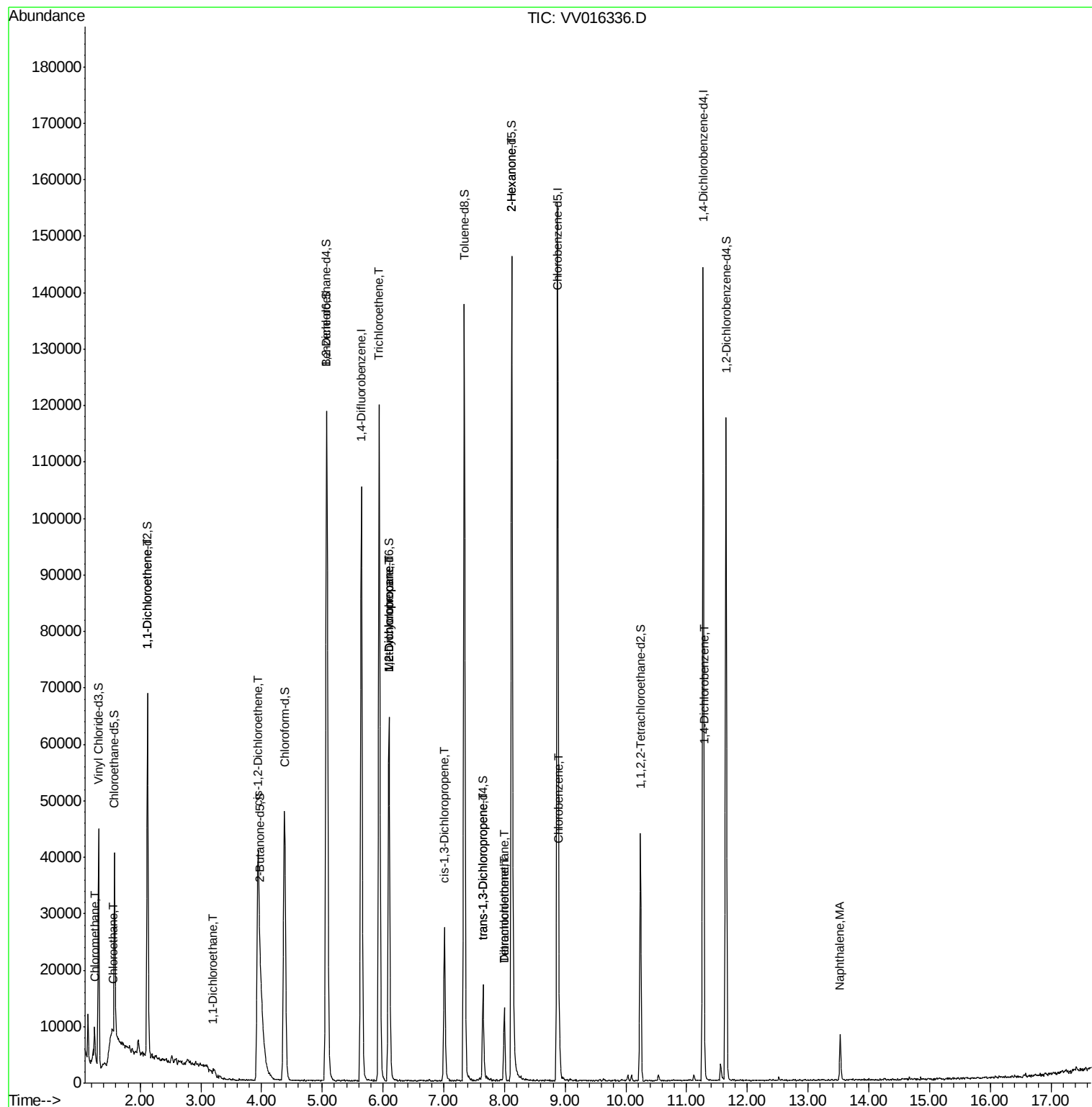
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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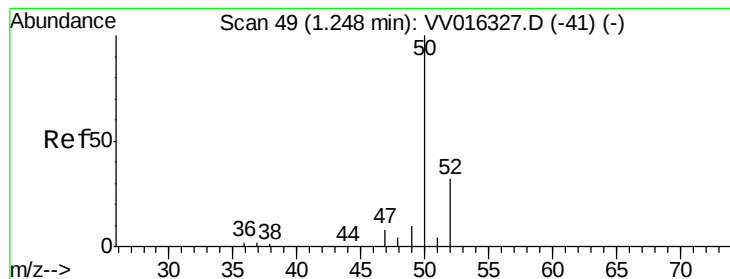
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV016336.D
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QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.429 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

Instrument :

MSVOA_V

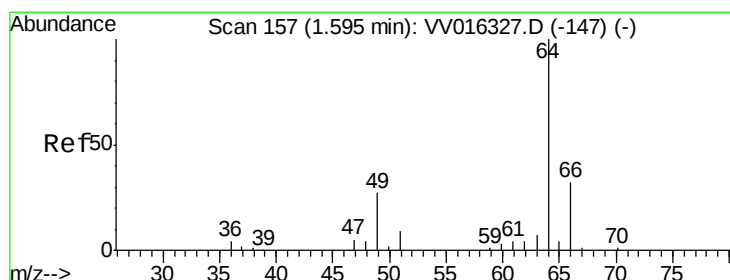
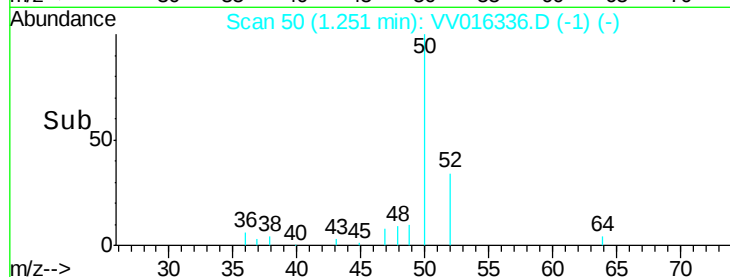
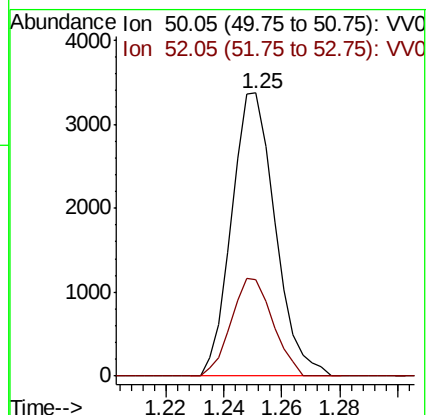
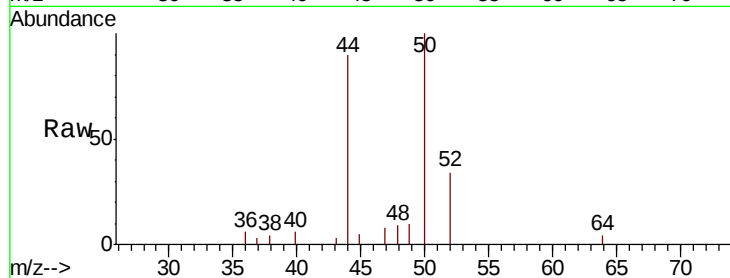
ClientSampleId :

Tot Ion: 50 Resp: 3521

Ion Ratio Lower Upper

50 100

52 34.0 22.5 41.9



#8

Chloroethane

Concen: 0.374 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.05 min

Lab File: VV016336.D

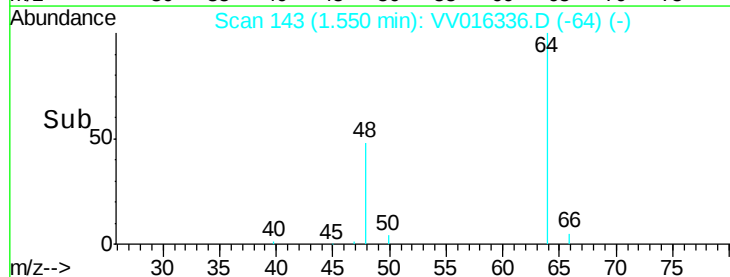
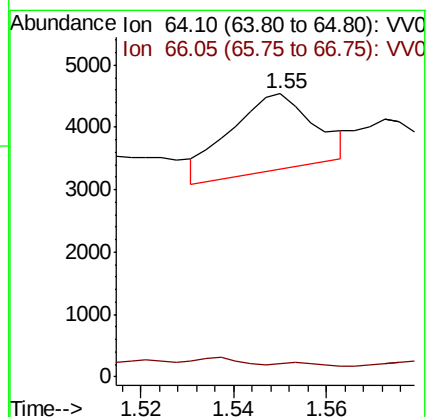
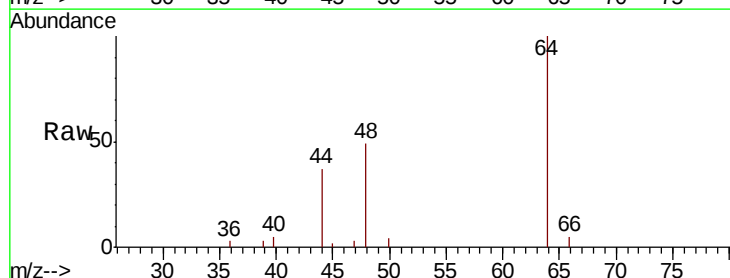
Acq: 30 May 2020 01:54

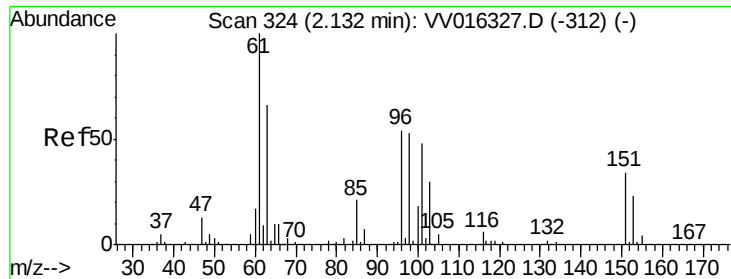
Tgt Ion: 64 Resp: 1561

Ion Ratio Lower Upper

64 100

66 4.6 22.9 42.5#

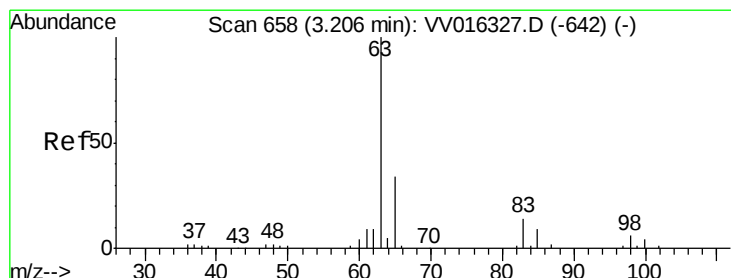
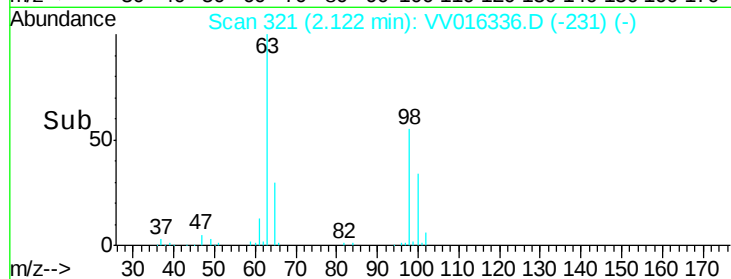
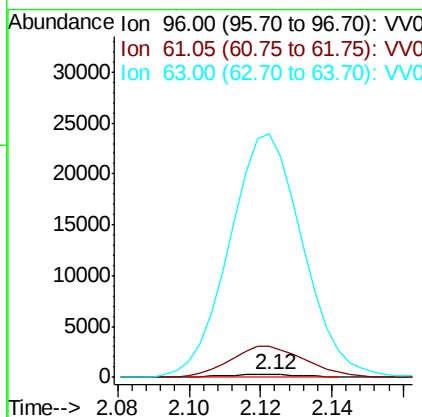
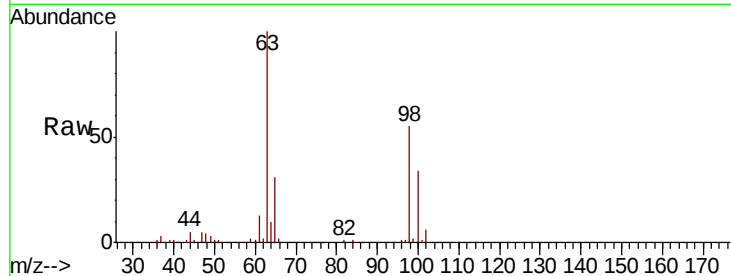




#12
 1,1-Dichloroethene
 Concen: 0.077 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV016336.D
 Acq: 30 May 2020 01:54

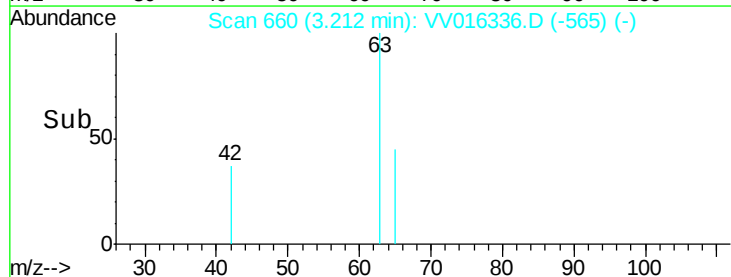
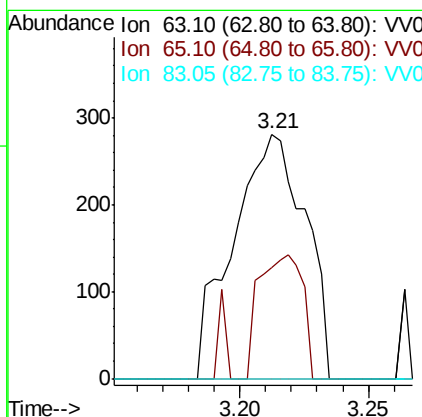
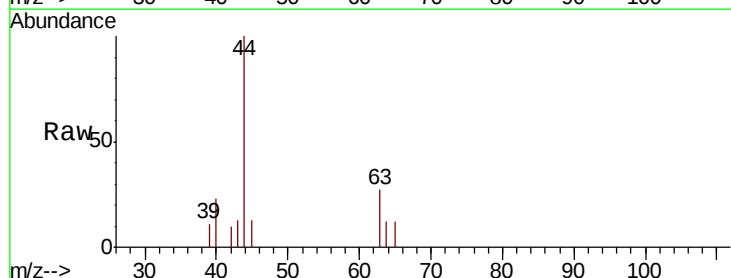
Instrument :
 MSVOA_V
 ClientSampled :

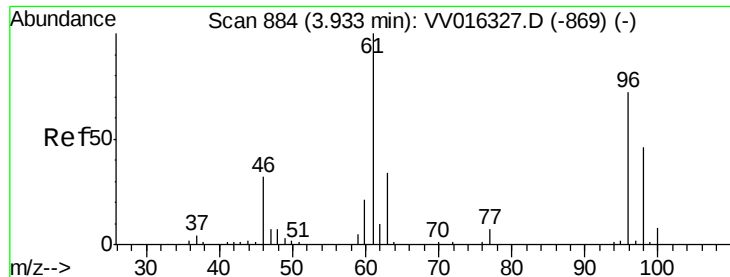
Tot Ion: 96 Resp: 389
 Ion Ratio Lower Upper
 96 100
 61 1184.2 124.9 231.9#
 63 9206.2 80.4 149.2#



#19
 1,1-Dichloroethane
 Concen: 0.052 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VV016336.D
 Acq: 30 May 2020 01:54

Tgt Ion: 63 Resp: 546
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 0.0 9.4 17.4#





#22

cis-1,2-Dichloroethene

Concen: 2.529 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

Instrument :
MSVOA_V
ClientSampled :

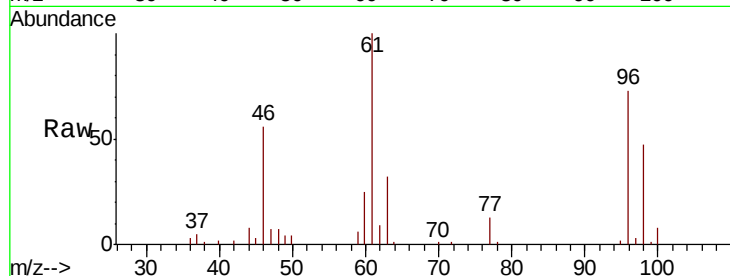
Tot Ion: 96 Resp: 16448

Ion Ratio Lower Upper

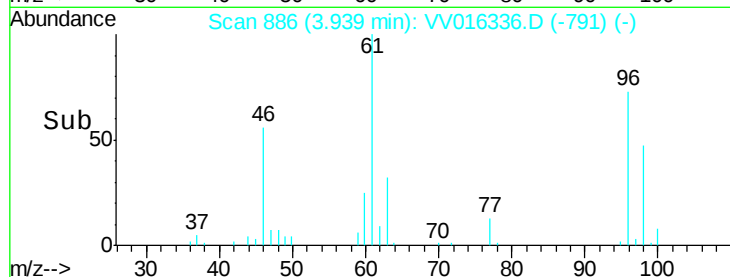
96 100

61 137.0 99.7 185.1

68 0.0 0.0 0.0



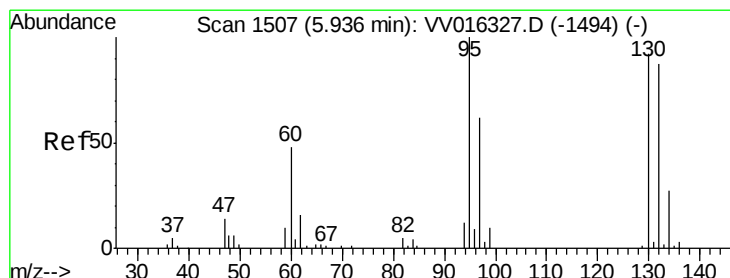
Abundance Ion 96.00 (95.70 to 96.70): VV016336.D (-791) (-)



Ion 61.05 (60.75 to 61.75): VV016336.D (-791) (-)

Ion 68.15 (67.85 to 68.85): VV016336.D (-791) (-)

Time-->



#34

Trichloroethene

Concen: 7.216 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

Tgt Ion: 95 Resp: 41825

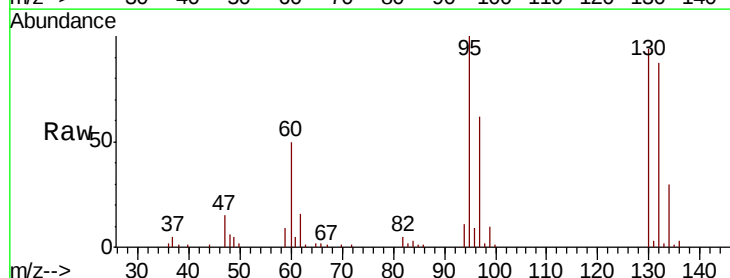
Ion Ratio Lower Upper

95 100

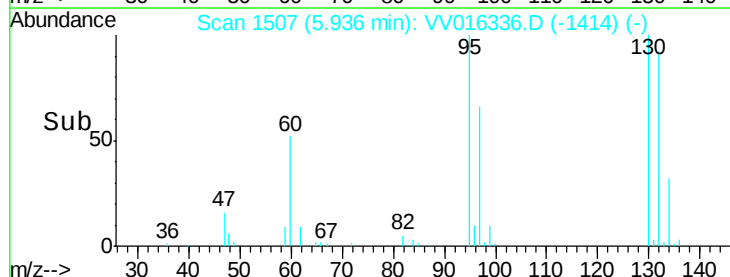
97 62.0 43.6 81.0

132 86.9 63.9 118.7

130 93.7 65.2 121.0



Abundance Ion 95.00 (94.70 to 95.70): VV016336.D (-1414) (-)

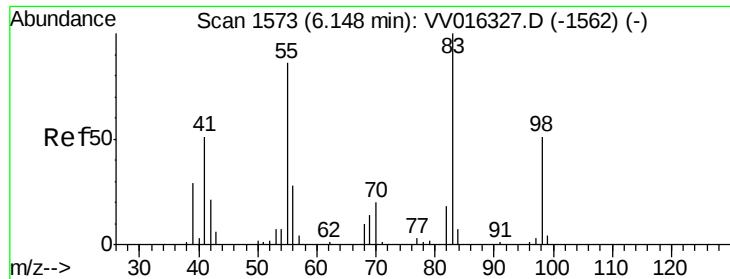


Ion 96.95 (96.65 to 97.65): VV016336.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016336.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016336.D (-1414) (-)

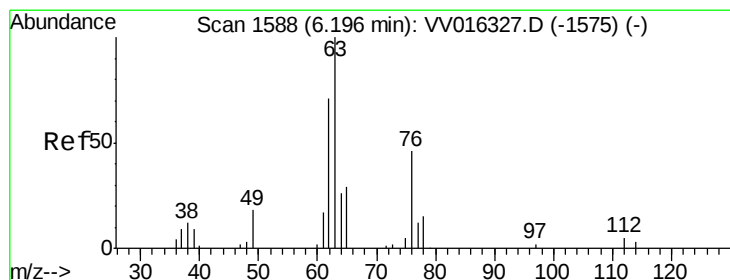
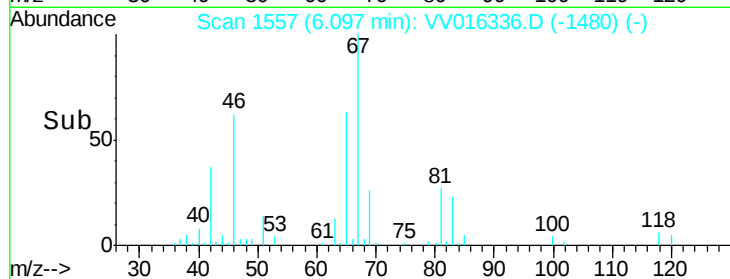
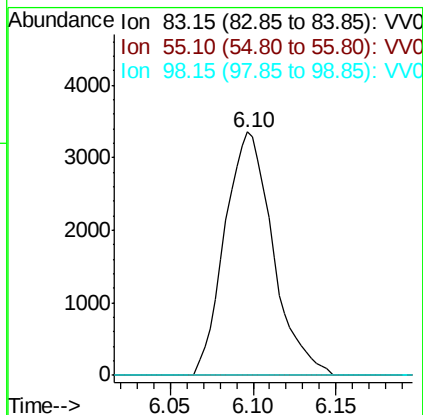
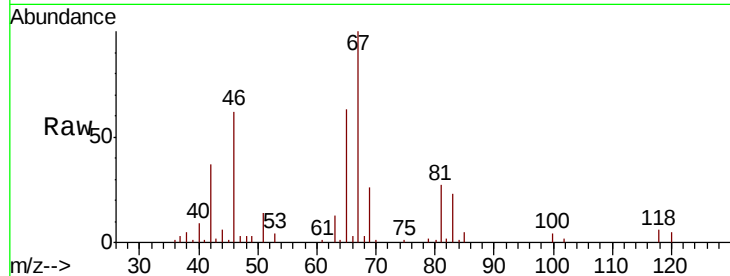
Time-->



#35
Methylcyclohexane
Concen: 0.693 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016336.D
Acq: 30 May 2020 01:54

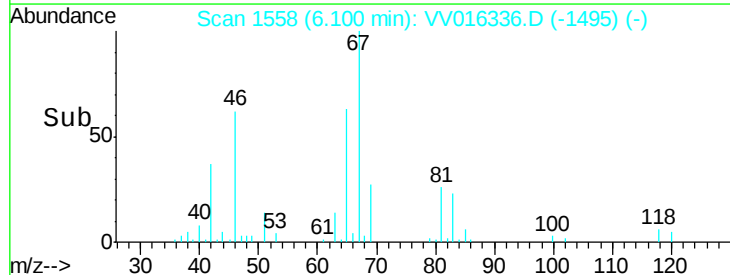
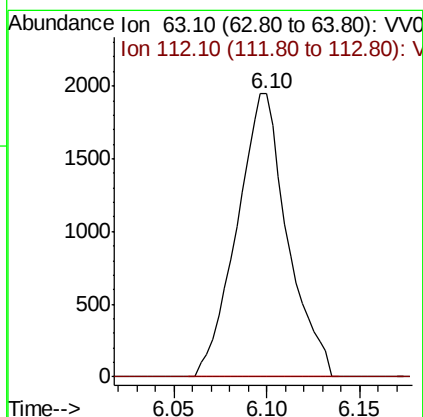
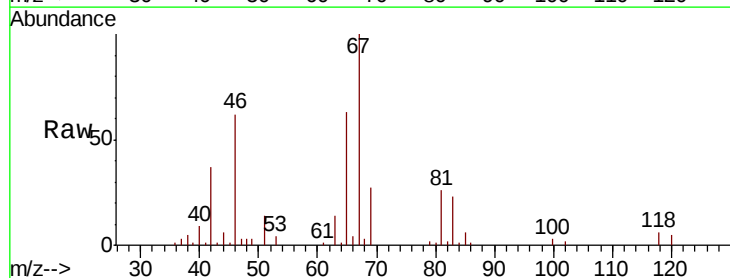
Instrument :
MSVOA_V
ClientSampleId :

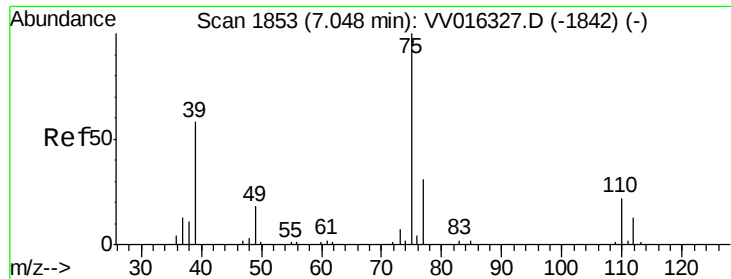
Tot Ion: 83 Resp: 6771
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 1.6 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.676 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VV016336.D
Acq: 30 May 2020 01:54

Tgt Ion: 63 Resp: 3687
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

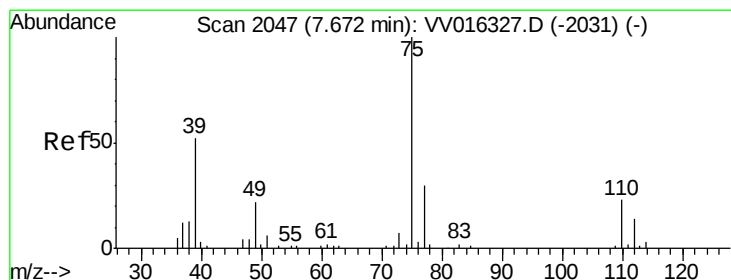
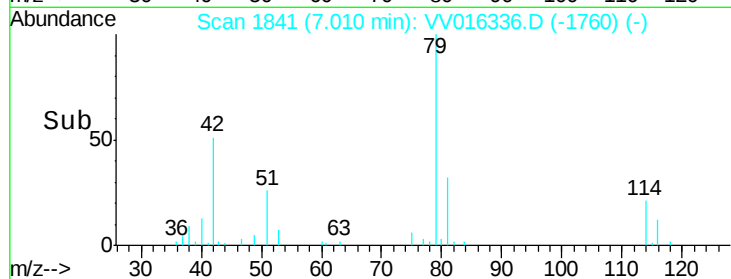
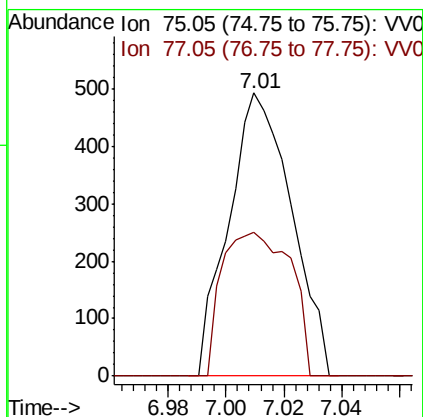
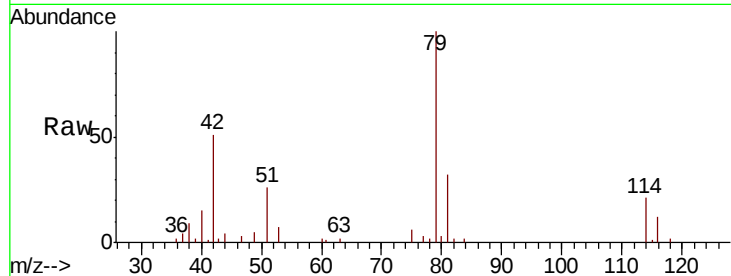




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016336.D
 Acq: 30 May 2020 01:54

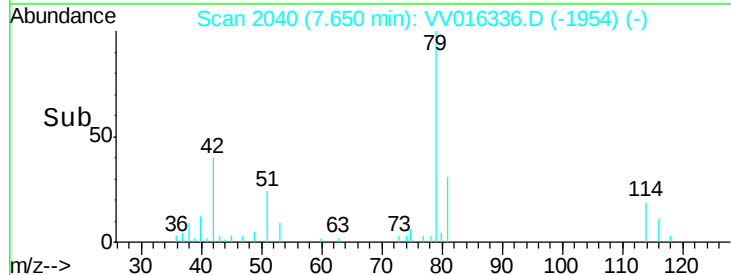
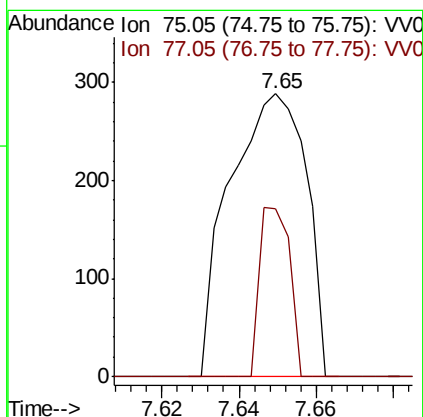
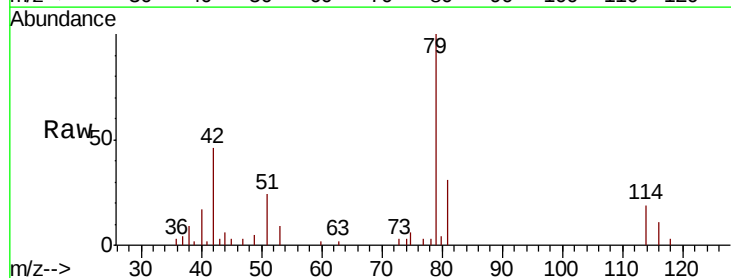
Instrument :
 MSVOA_V
 ClientSampled :

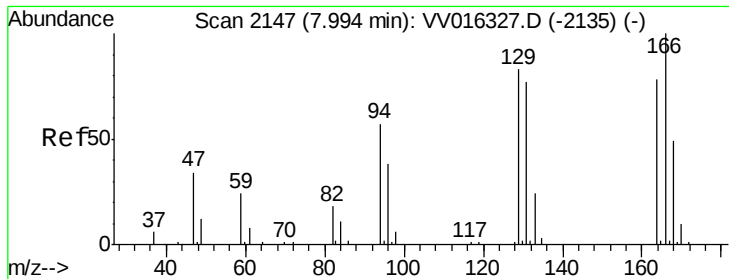
Tot Ion: 75 Resp: 743
 Ion Ratio Lower Upper
 75 100
 77 50.9 21.7 40.3#



#46
 trans-1,3-Dichloropropene
 Concen: 0.062 ug/L
 RT: 7.65 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VV016336.D
 Acq: 30 May 2020 01:54

Tgt Ion: 75 Resp: 396
 Ion Ratio Lower Upper
 75 100
 77 59.4 21.7 40.3#





#49

Tetrachloroethene

Concen: 0.617 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2568

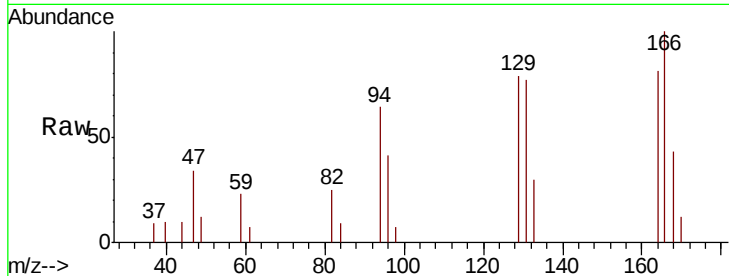
Ion Ratio Lower Upper

164 100

129 97.0 70.7 131.3

131 94.4 66.6 123.8

166 122.9 86.9 161.5

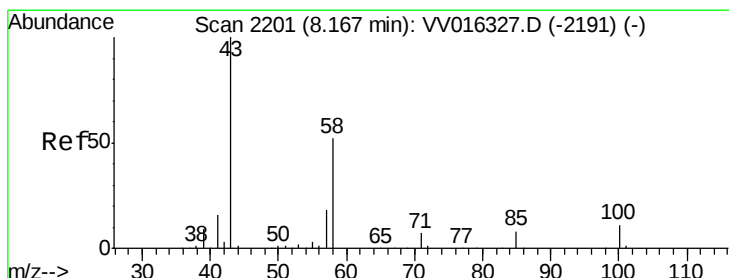
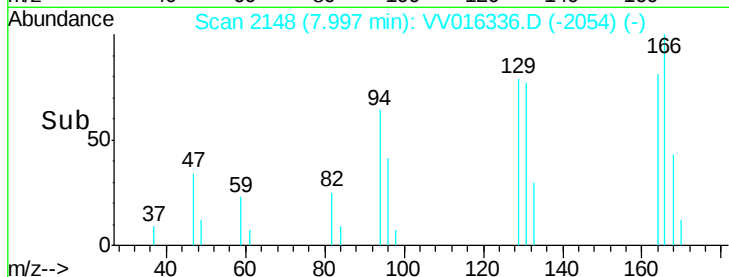
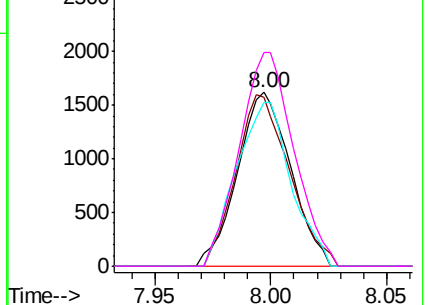


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 3.106 ug/L

RT: 8.12 min Scan# 2187

Delta R.T. -0.05 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

Tgt Ion: 43 Resp: 7353

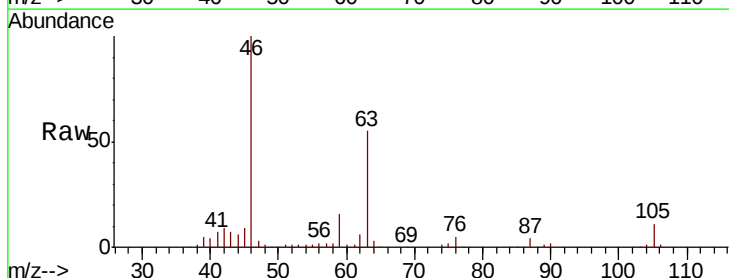
Ion Ratio Lower Upper

43 100

58 26.8 41.4 62.0#

57 23.1 15.0 22.4#

100 0.0 9.0 13.4#

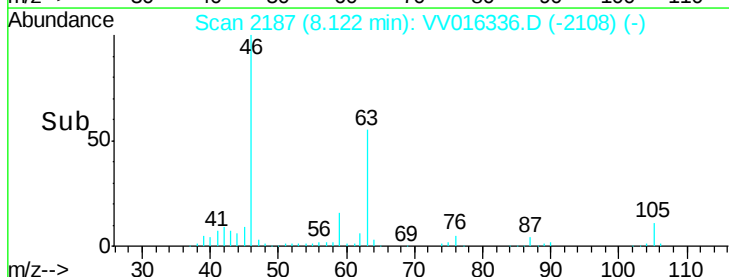
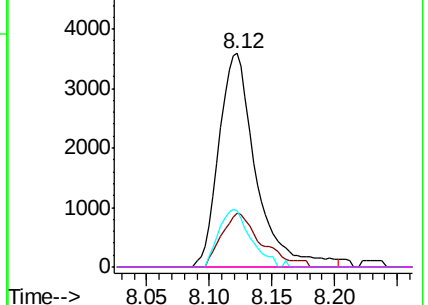


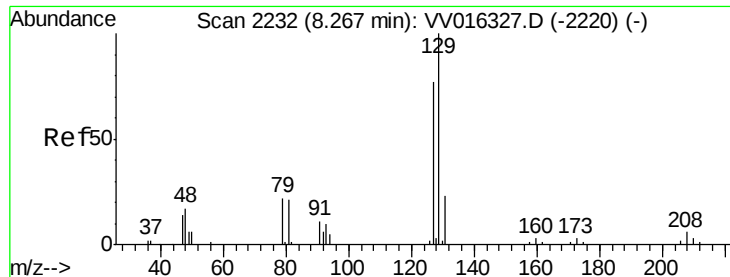
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#51

Dibromochloromethane

Concen: 0.663 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

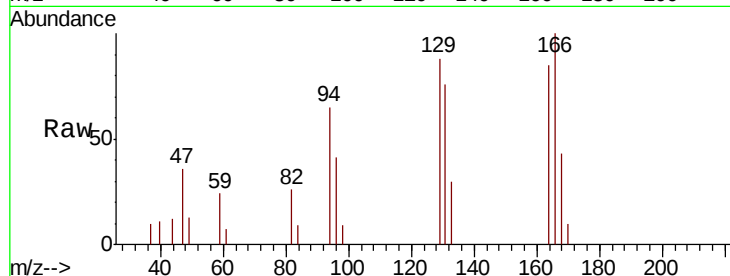
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 2520

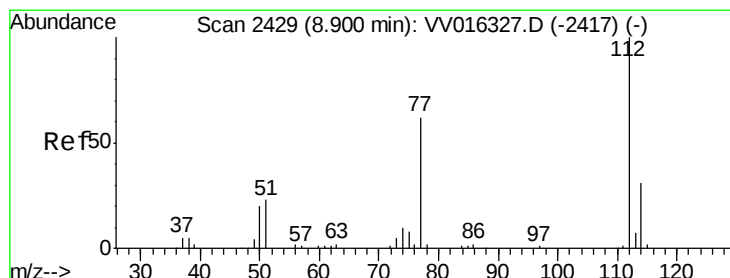
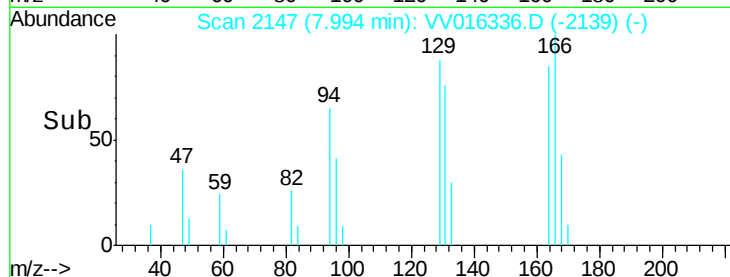
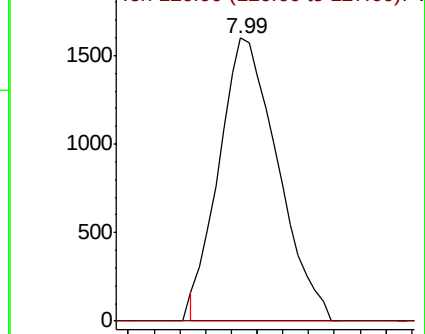
Ion Ratio Lower Upper

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: 0.197 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

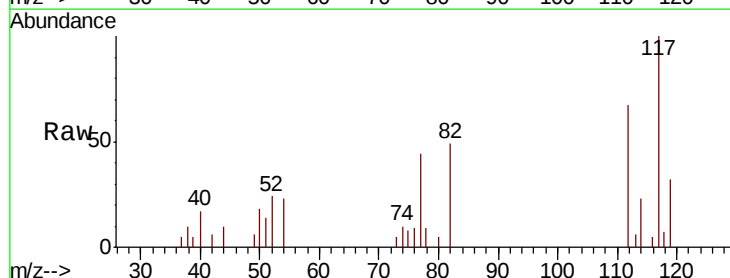
Tgt Ion:112 Resp: 2952

Ion Ratio Lower Upper

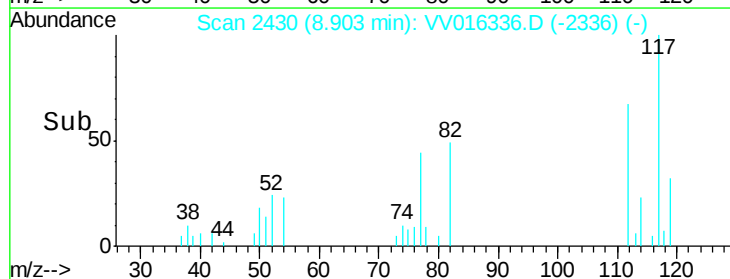
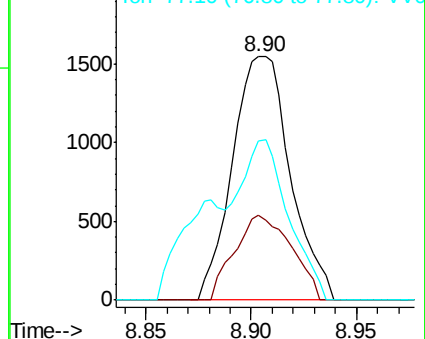
112 100

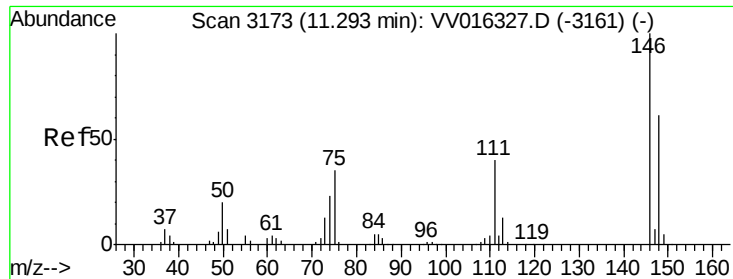
114 35.1 22.3 41.3

77 65.6 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): VV0





#64

1,4-Dichlorobenzene

Concen: 0.052 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

Instrument :

MSVOA_V

ClientSampled :

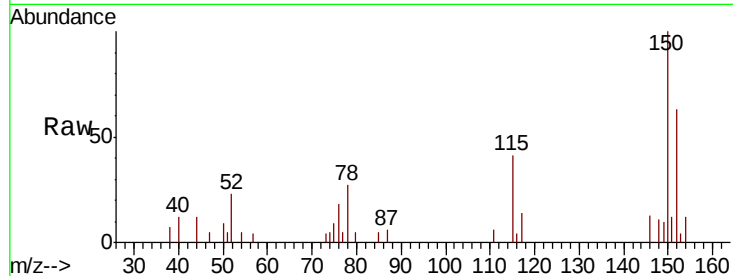
Tot Ion:146 Resp: 531

Ion Ratio Lower Upper

146 100

111 45.7 28.3 52.7

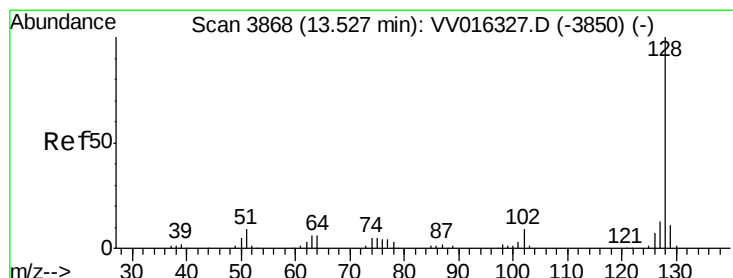
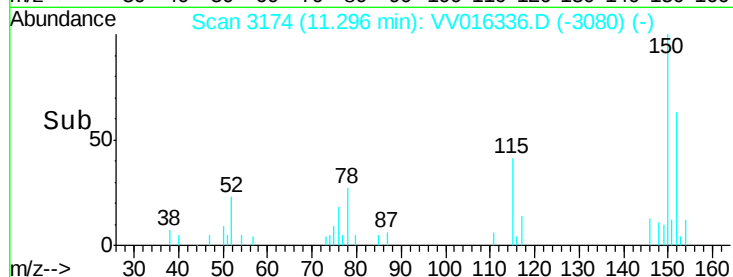
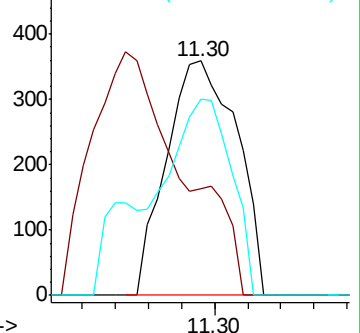
148 83.6 43.3 80.3#



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



#70

Naphthalene

Concen: 0.485 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016336.D

Acq: 30 May 2020 01:54

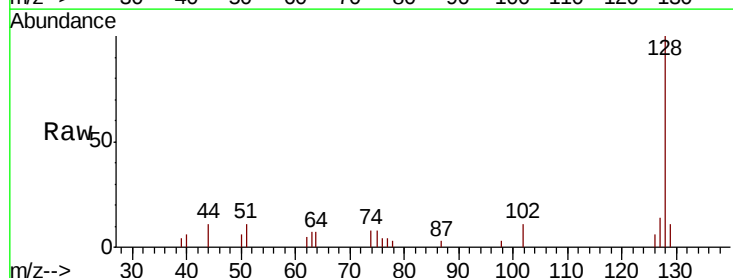
Tgt Ion:128 Resp: 6675

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 14.5 10.6 15.8



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

