

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017149.D
 Acq On : 26 Jun 2020 00:47
 Operator : SY/MD
 Sample : L3106-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN9

Quant Time: Jun 26 06:09:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 05:12:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163066	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158397	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76403	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50886	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.58	69	39184	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.12	63	74504	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	3.95	46	117762	47.21	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.42%
24) Chloroform-d	4.38	84	110470	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.06	65	59499	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.07	84	204133	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.10	67	59727	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.34	98	174445	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
45) trans-1,3-Dichloropropene-	7.64	79	21691	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	8.11	63	85522	43.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41208	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	75343	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

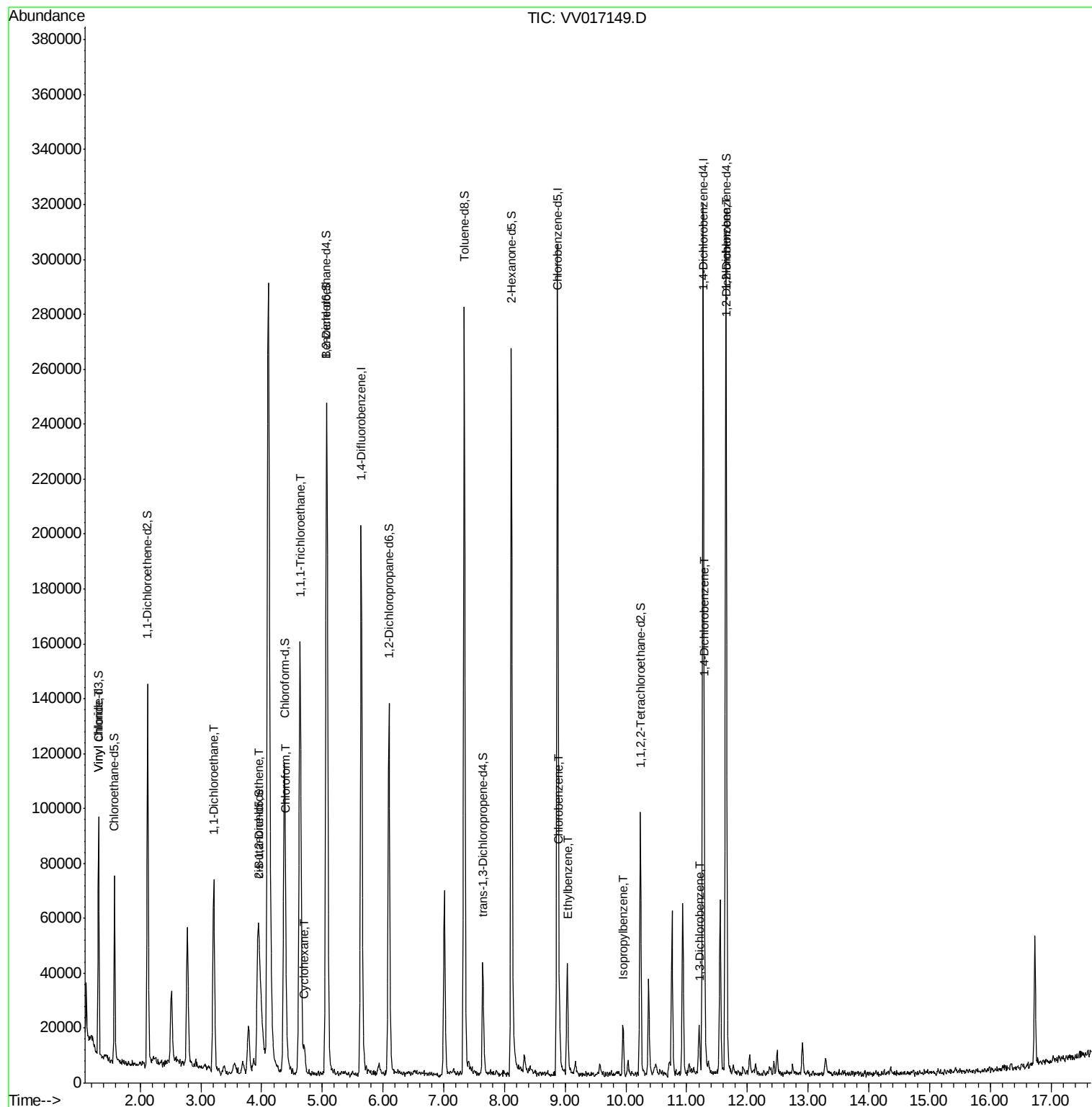
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3449	0.322	ug/L #	74
19) 1,1-Dichloroethane	3.21	63	68911	3.698	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	4565	0.403	ug/L	99
25) Chloroform	4.40	83	7991	0.393	ug/L	92
29) 1,1,1-Trichloroethane	4.63	97	126121	6.646	ug/L	99
30) Cyclohexane	4.70	56	4767	0.264	ug/L #	91
53) Chlorobenzene	8.90	112	9490	0.316	ug/L	96
54) Ethylbenzene	9.04	91	26846	0.521	ug/L	98
58) Isopropylbenzene	9.95	105	9569	0.185	ug/L	98
63) 1,3-Dichlorobenzene	11.21	146	6685	0.291	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	16475	0.705	ug/L	94
66) 1,2-Dichlorobenzene	11.66	146	5233	0.251	ug/L	94

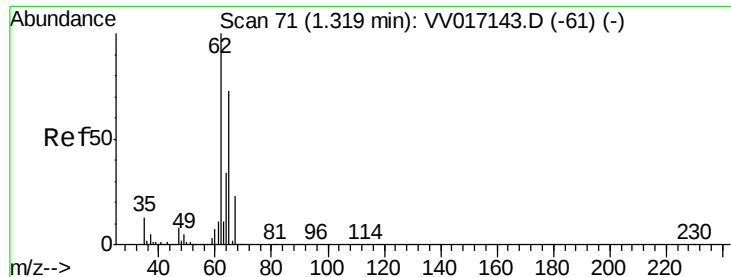
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 26 05:12:03 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.322 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

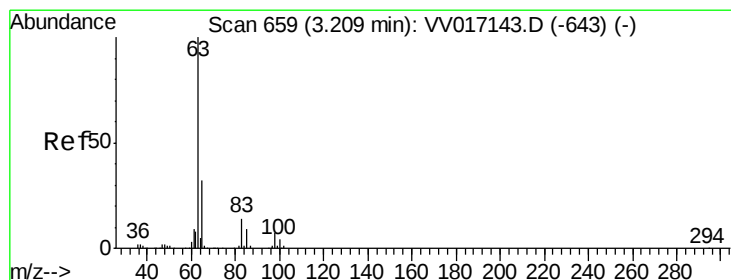
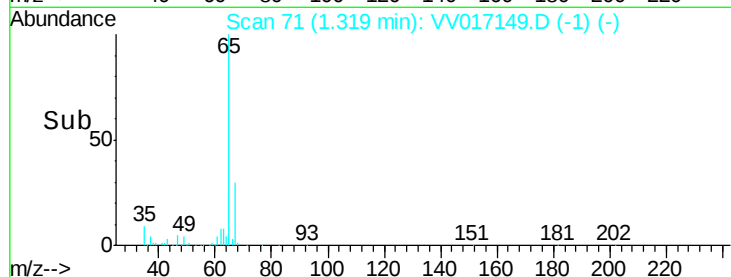
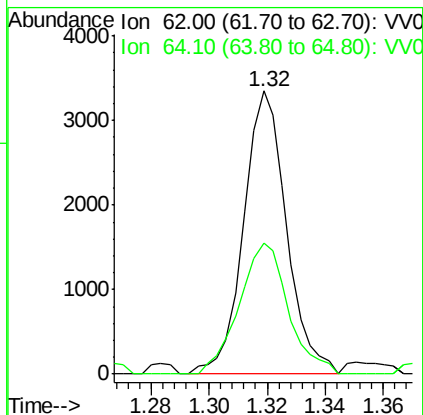
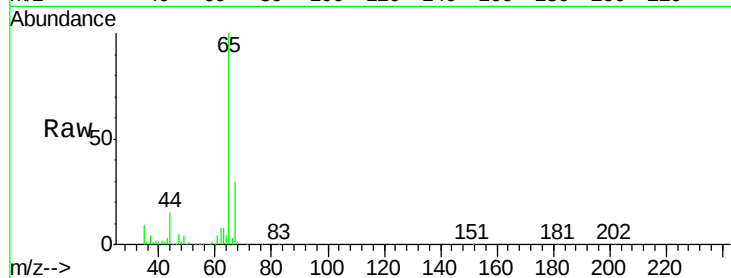
BFXN9

Tot Ion: 62 Resp: 3449

Ion Ratio Lower Upper

62 100

64 46.5 22.5 41.7#



#19

1,1-Dichloroethane

Concen: 3.698 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

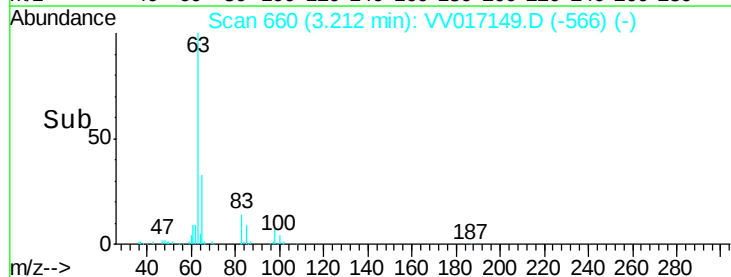
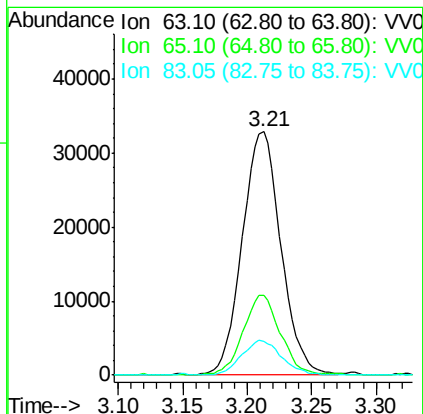
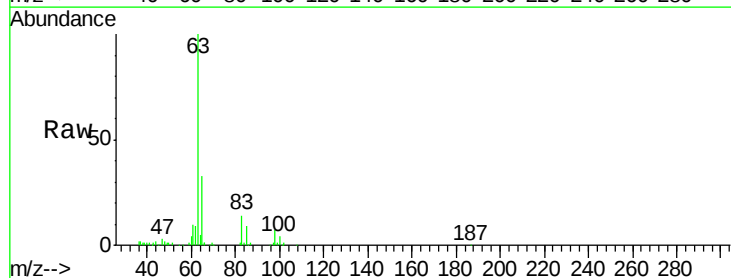
Tgt Ion: 63 Resp: 68911

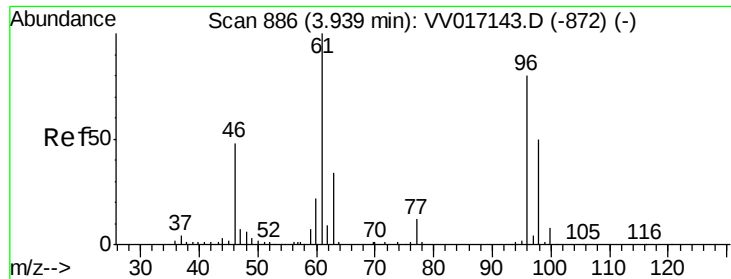
Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.4

83 13.9 9.7 17.9



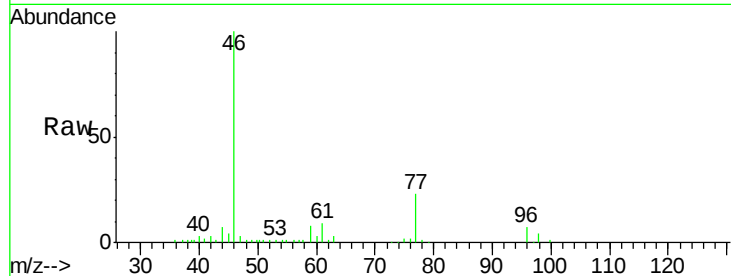


#22

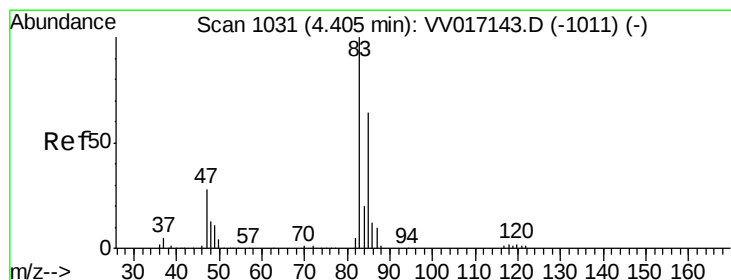
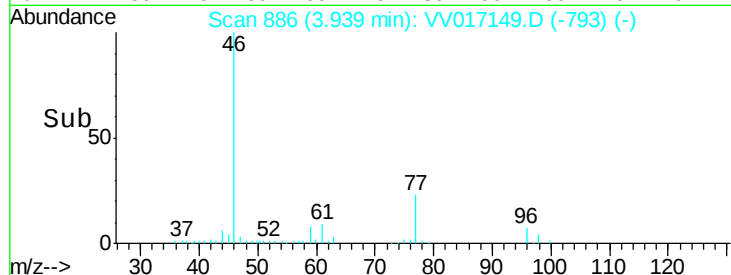
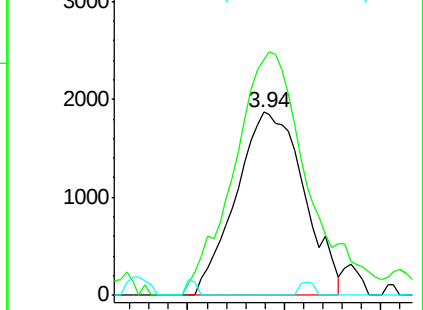
cis-1,2-Dichloroethene
Concen: 0.403 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017149.D
Acq: 26 Jun 2020 00:47

Instrument :
MSVOA_V
ClientSampleId :
BFXN9

Tot Ion: 96 Resp: 4565
Ion Ratio Lower Upper
96 100
61 129.2 91.0 169.0
68 0.0 0.0 0.0



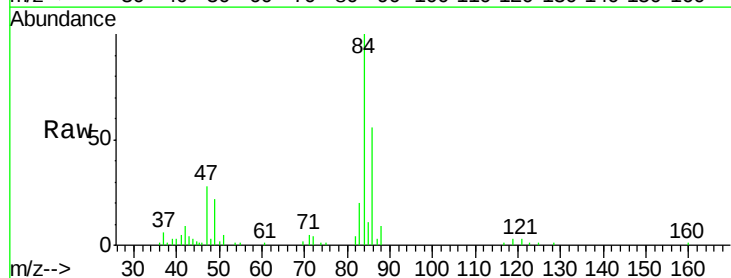
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



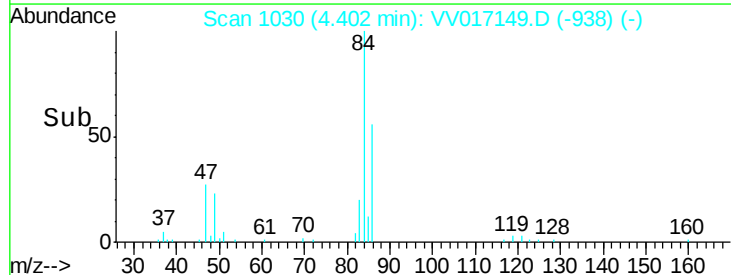
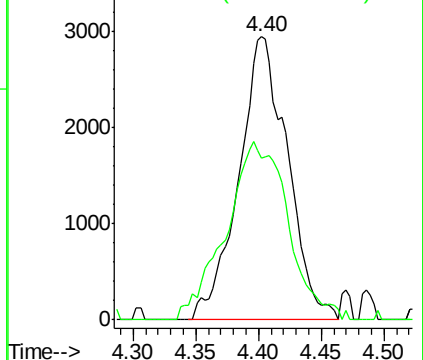
#25

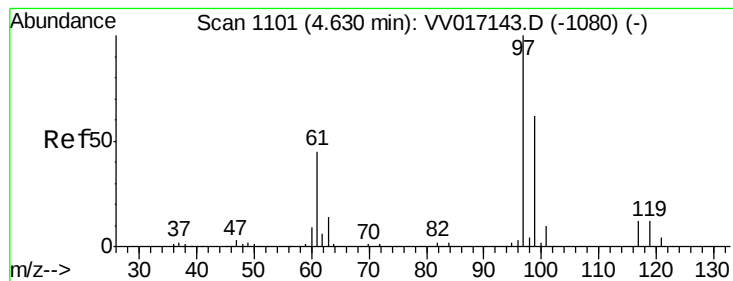
Chloroform
Concen: 0.393 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017149.D
Acq: 26 Jun 2020 00:47

Tgt Ion: 83 Resp: 7991
Ion Ratio Lower Upper
83 100
85 57.0 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#29

1,1,1-Trichloroethane

Concen: 6.646 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

BFXN9

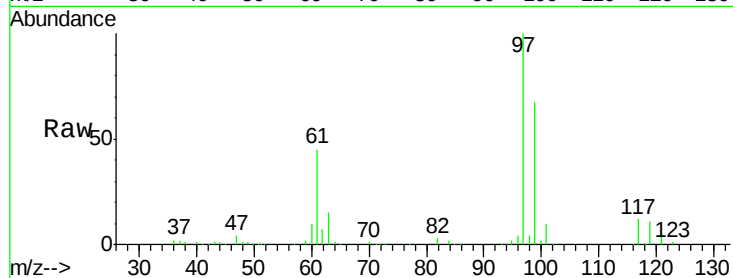
Tot Ion: 97 Resp: 126121

Ion Ratio Lower Upper

97 100

99 64.1 50.3 75.5

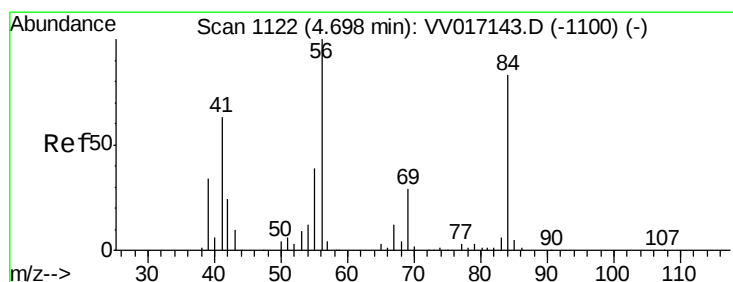
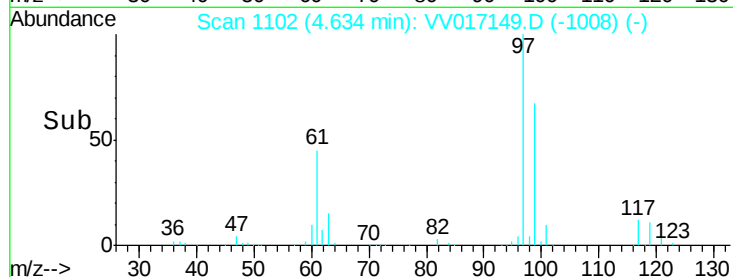
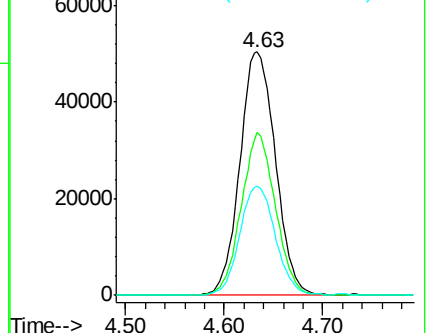
61 45.0 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.264 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

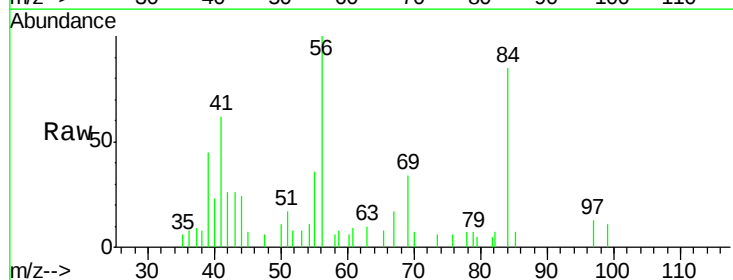
Tgt Ion: 56 Resp: 4767

Ion Ratio Lower Upper

56 100

69 37.3 24.4 36.6#

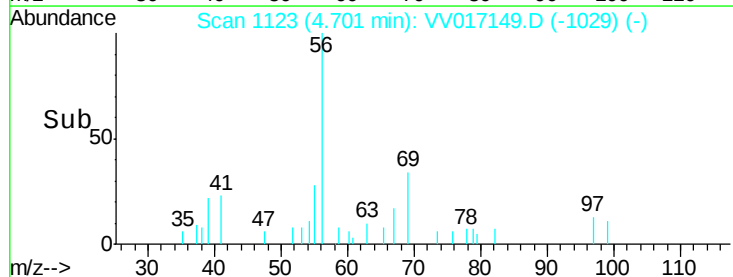
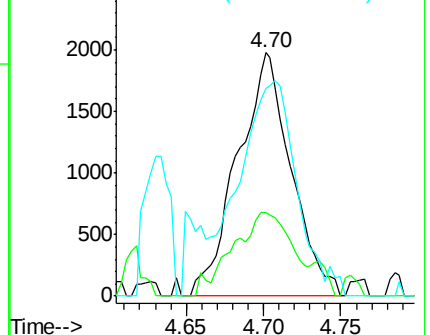
84 94.4 69.9 104.9

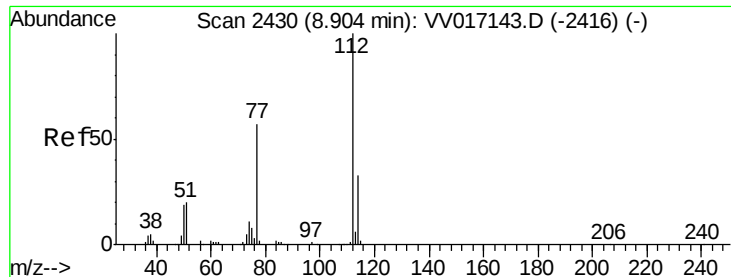


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#53

Chlorobenzene

Concen: 0.316 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

Instrument :

MSVOA_V

ClientSampled :

BFXN9

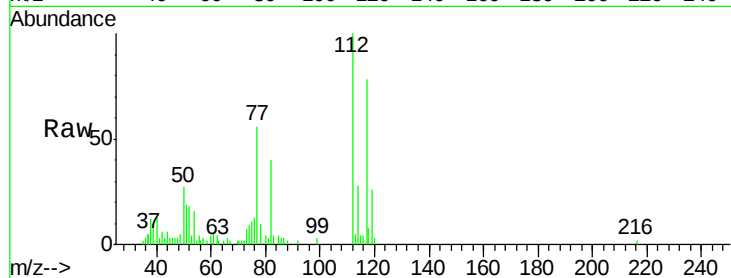
Tot Ion:112 Resp: 9490

Ion Ratio Lower Upper

112 100

114 27.5 22.0 41.0

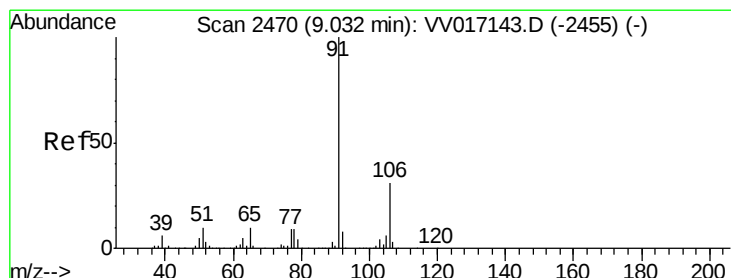
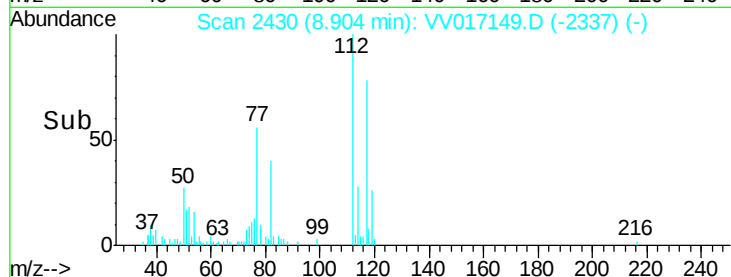
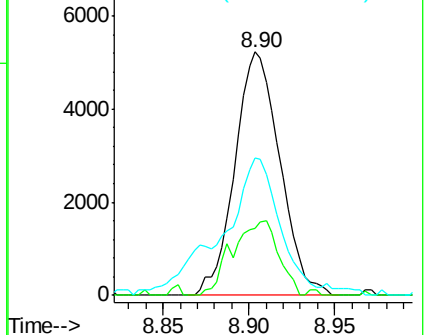
77 56.4 46.0 69.0



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



#54

Ethylbenzene

Concen: 0.521 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017149.D

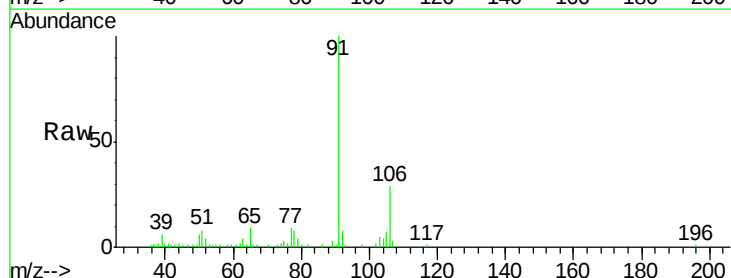
Acq: 26 Jun 2020 00:47

Tgt Ion: 91 Resp: 26846

Ion Ratio Lower Upper

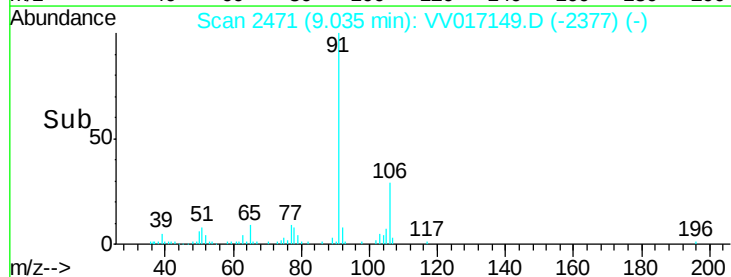
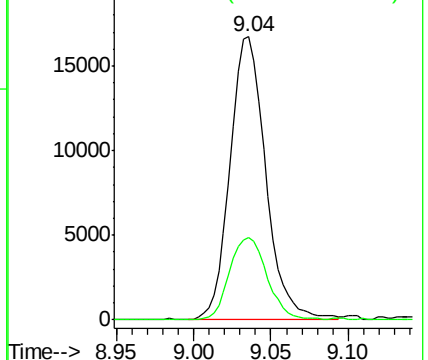
91 100

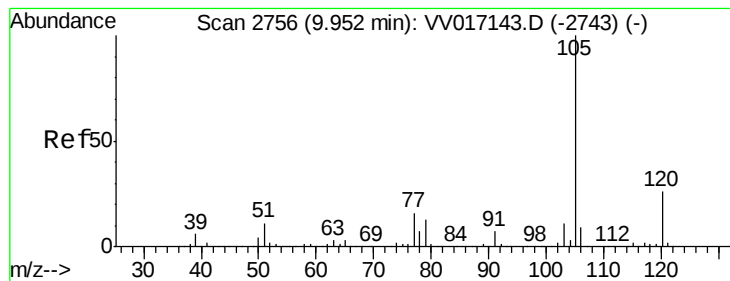
106 29.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#58

Isopropylbenzene

Concen: 0.185 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

Instrument :

MSVOA_V

ClientSampleId :

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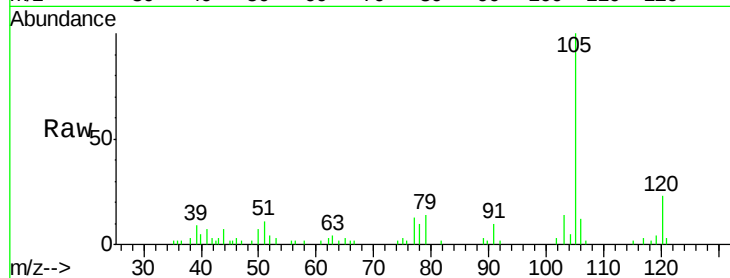
Tot Ion:105 Resp: 9569

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

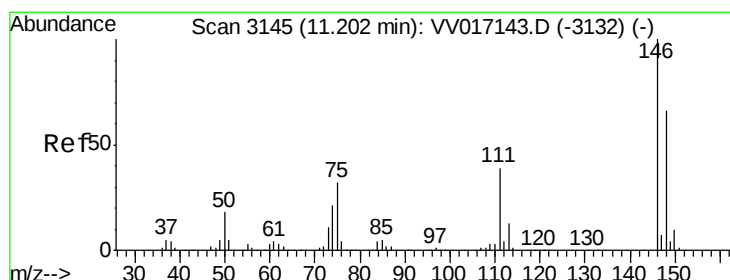
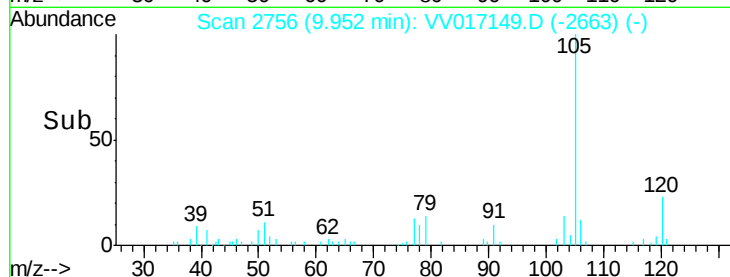
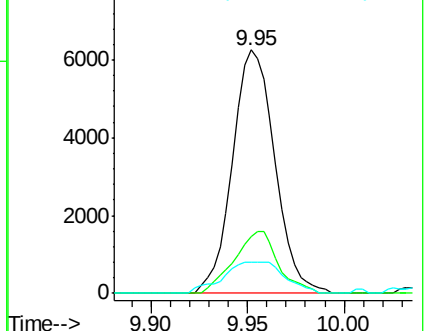
77 18.6 13.0 19.4



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



#63

1,3-Dichlorobenzene

Concen: 0.291 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

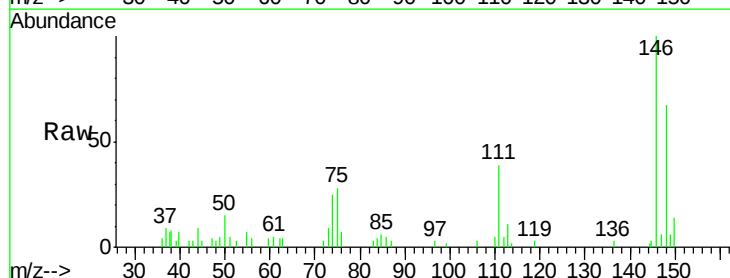
Tgt Ion:146 Resp: 6685

Ion Ratio Lower Upper

146 100

111 39.2 29.2 54.2

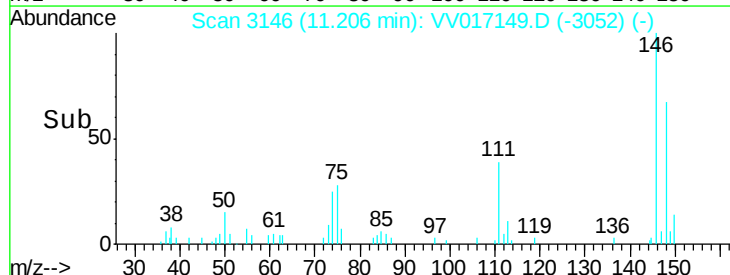
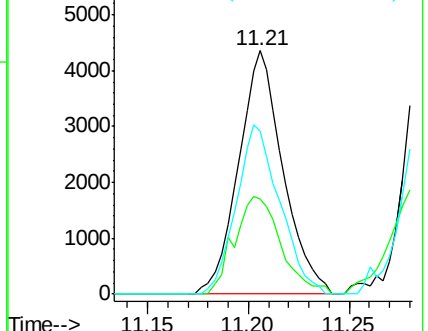
148 67.1 44.9 83.5

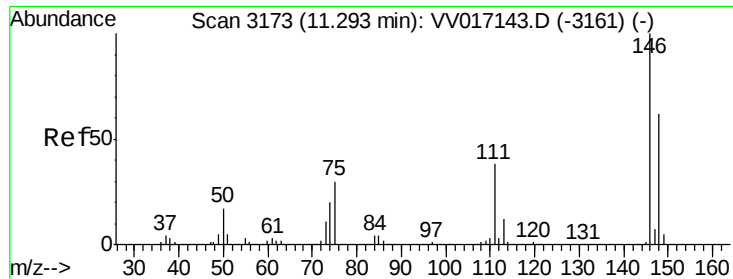


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.705 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

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MSVOA_V

ClientSampleId :

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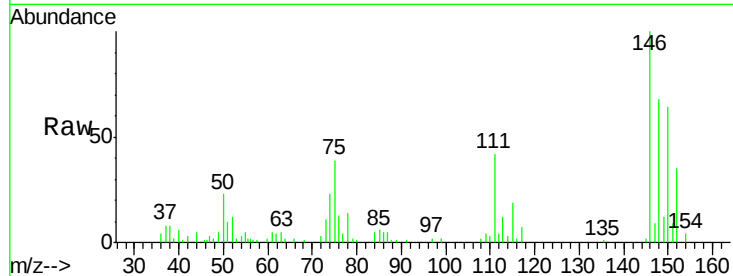
Tot Ion:146 Resp: 16475

Ion Ratio Lower Upper

146 100

111 42.4 27.4 50.8

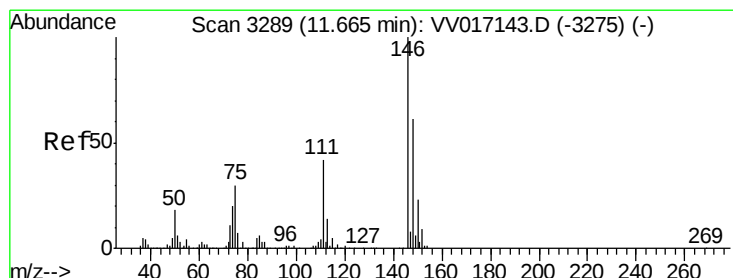
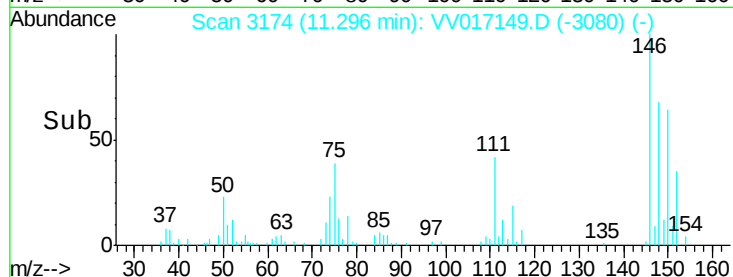
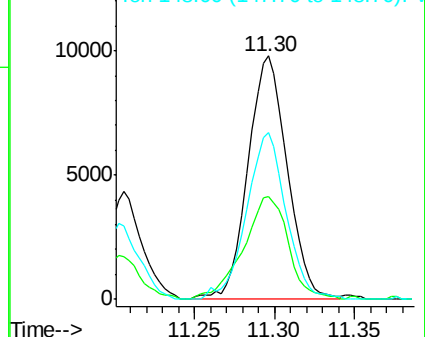
148 68.5 44.3 82.3



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: 0.251 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV017149.D

Acq: 26 Jun 2020 00:47

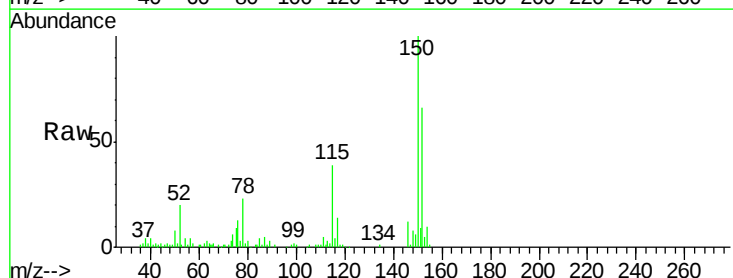
Tgt Ion:146 Resp: 5233

Ion Ratio Lower Upper

146 100

111 45.9 34.4 51.6

148 67.2 49.9 74.9



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

