

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017145.D
 Acq On : 25 Jun 2020 23:11
 Operator : SY/MD
 Sample : L3106-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN5

Quant Time: Jun 26 05:13:38 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	173494	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	166560	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45137	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	36562	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.12	63	69868	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.95	46	108838	41.01	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.02%
24) Chloroform-d	4.38	84	105612	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	56678	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.07	84	191454	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.10	67	55500	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.34	98	163576	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
45) trans-1,3-Dichloropropene-	7.65	79	20868	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
48) 2-Hexanone-d5	8.11	63	80085	39.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.02%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36708	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	64540	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1079	0.092	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	778	0.085	ug/L #	24
12) 1,1-Dichloroethene	2.13	96	1567	0.188	ug/L #	1
13) Acetone	2.22	43	3109	2.318	ug/L	71
19) 1,1-Dichloroethane	3.21	63	22576	1.139	ug/L	96
21) 2-Butanone	4.11	43	537414	212.514	ug/L #	50
22) cis-1,2-Dichloroethene	3.94	96	5587	0.463	ug/L	98
25) Chloroform	4.41	83	88534	4.088	ug/L	97
27) 1,2-Dichloroethane	5.16	62	2728	0.203	ug/L #	75
29) 1,1,1-Trichloroethane	4.64	97	2584	0.129	ug/L #	76
30) Cyclohexane	4.70	56	4817	0.254	ug/L	93
34) Trichloroethene	5.94	95	1433	0.112	ug/L	95
35) Methylcyclohexane	6.10	83	14597	0.735	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	7509	0.695	ug/L #	86
46) trans-1,3-Dichloropropene	7.64	75	1287	0.093	ug/L #	75
47) 1,1,2-Trichloroethane	7.87	97	1058	0.138	ug/L #	80

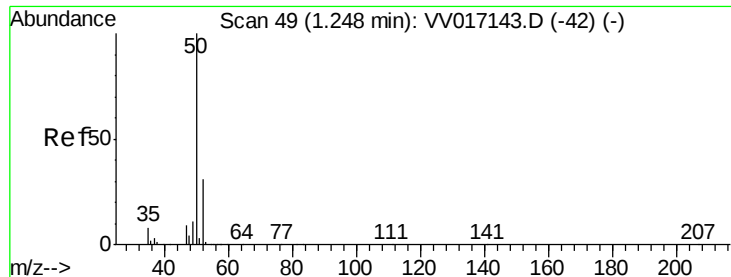
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
Data File : VV017145.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 05:12:03 2020
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

Instrument :

MSVOA_V

ClientSampled :

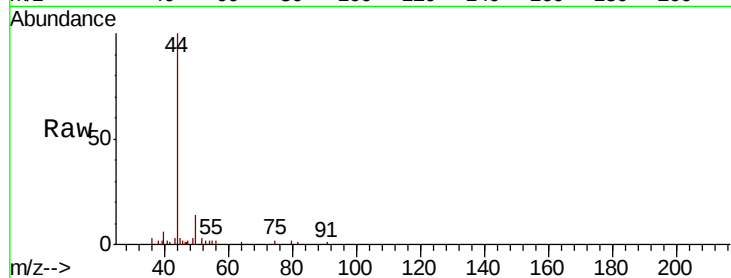
BFXN5

Tot Ion: 50 Resp: 1079

Ion Ratio Lower Upper

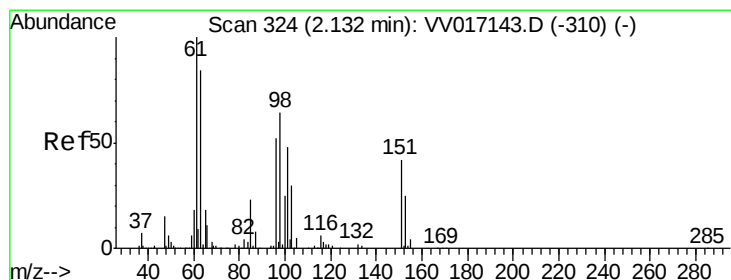
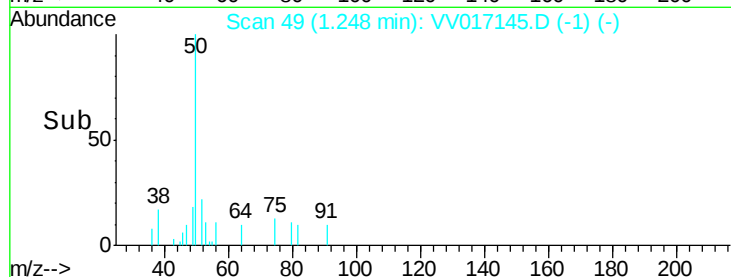
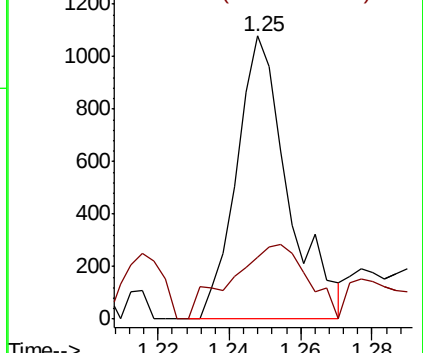
50 100

52 21.7 22.5 41.9#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.085 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

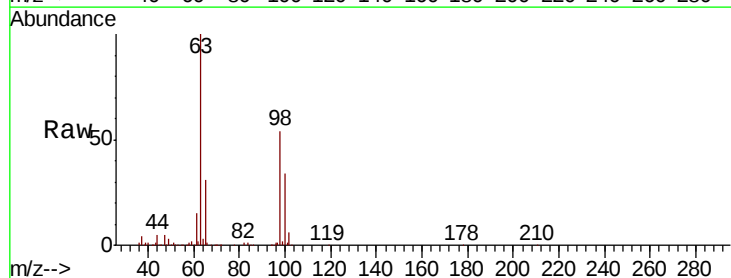
Tgt Ion: 101 Resp: 778

Ion Ratio Lower Upper

101 100

85 11.3 35.4 53.2#

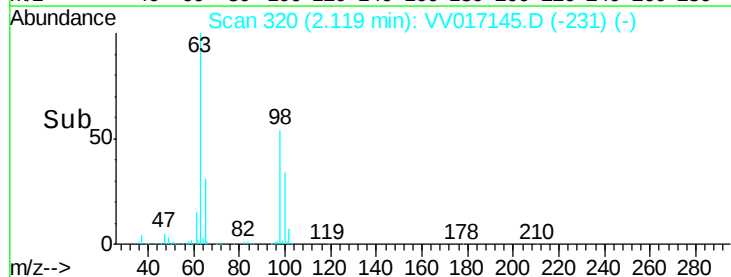
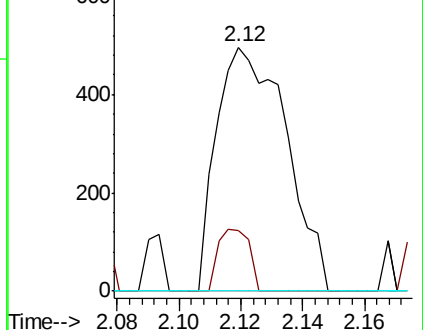
151 0.0 63.9 95.9#

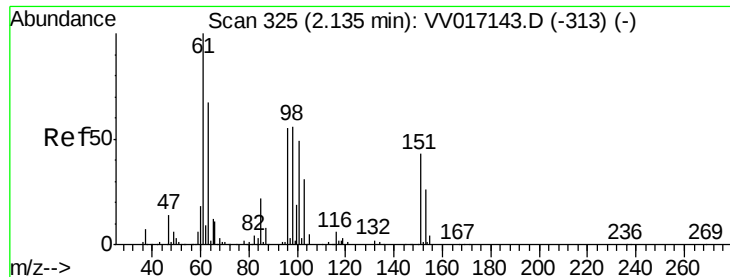


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.188 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

Instrument :

MSVOA_V

ClientSampled :

BFXN5

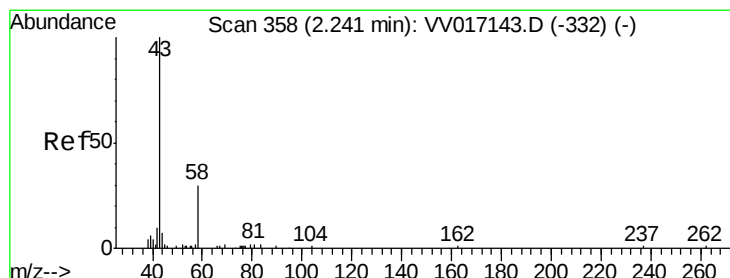
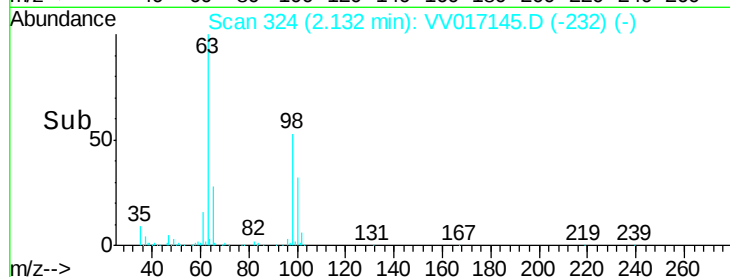
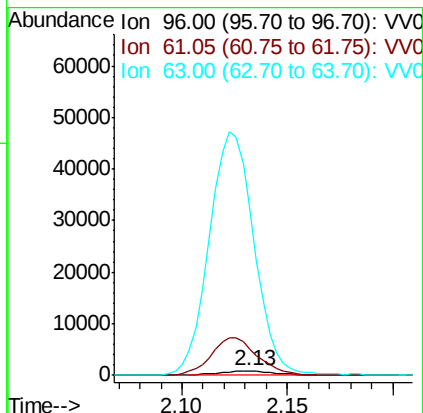
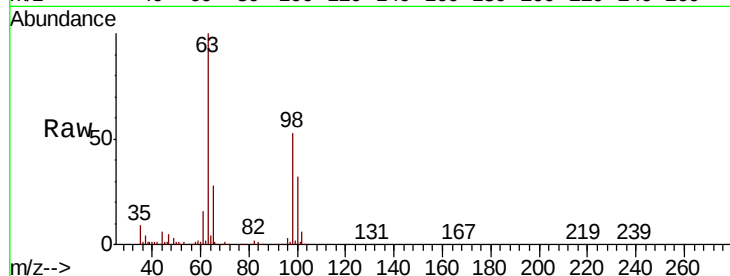
Tot Ion: 96 Resp: 1567

Ion Ratio Lower Upper

96 100

61 556.4 125.0 232.2#

63 3517.0 109.8 203.8#



#13

Acetone

Concen: 2.318 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.02 min

Lab File: VV017145.D

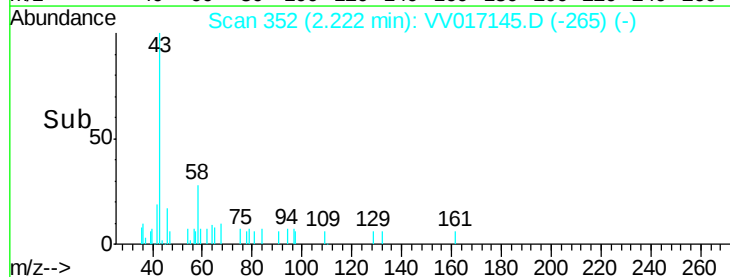
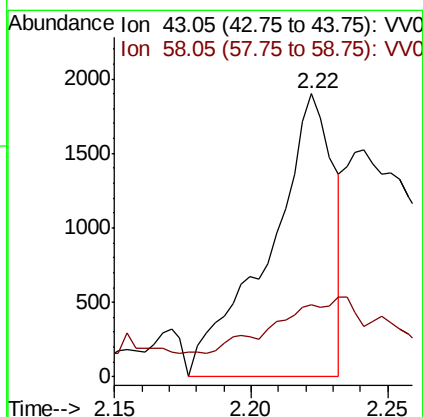
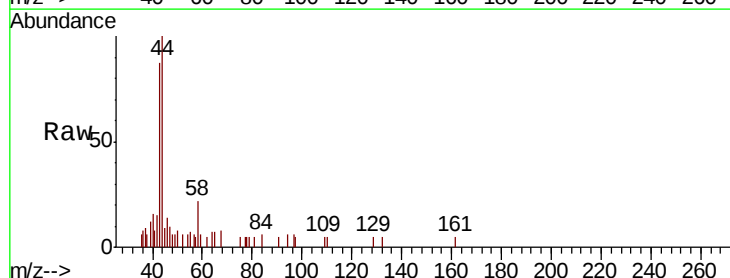
Acq: 25 Jun 2020 23:11

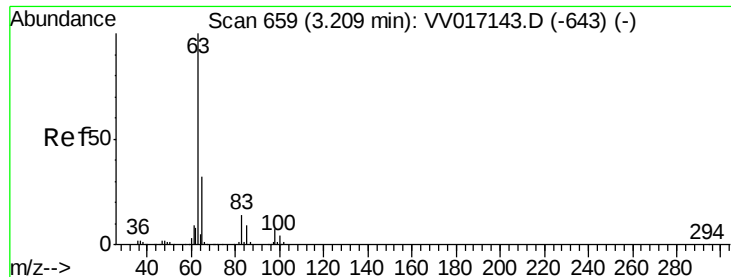
Tgt Ion: 43 Resp: 3109

Ion Ratio Lower Upper

43 100

58 13.7 0.0 58.4

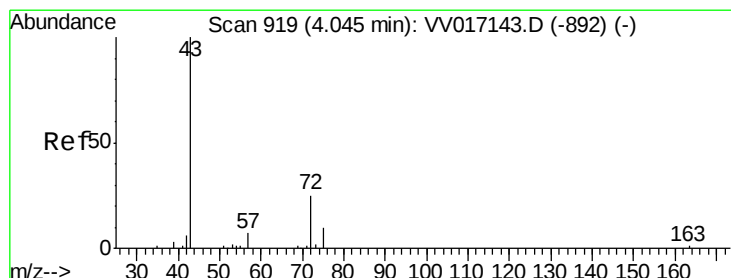
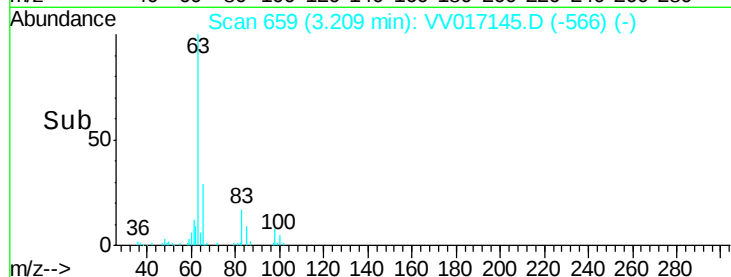
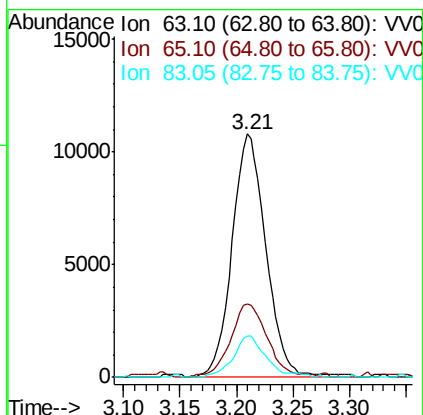
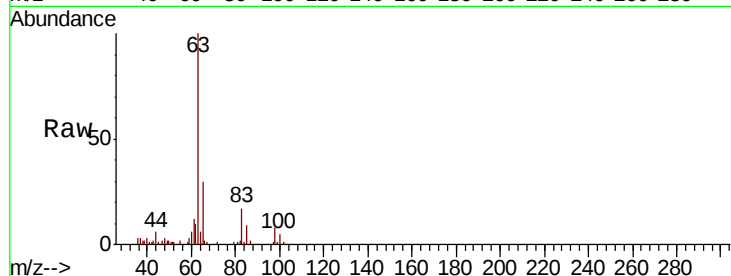




#19
 1,1-Dichloroethane
 Concen: 1.139 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017145.D
 Acq: 25 Jun 2020 23:11

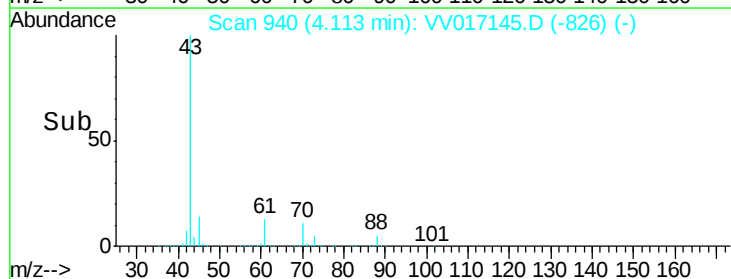
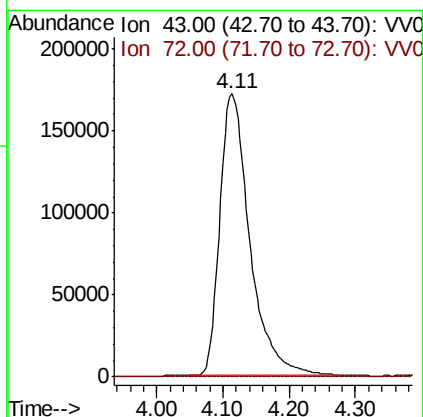
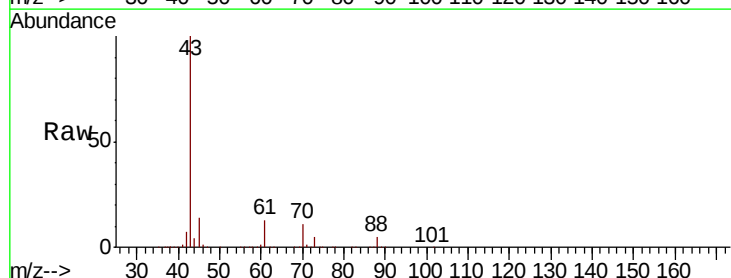
Instrument :
 MSVOA_V
 ClientSampled :
 BFXN5

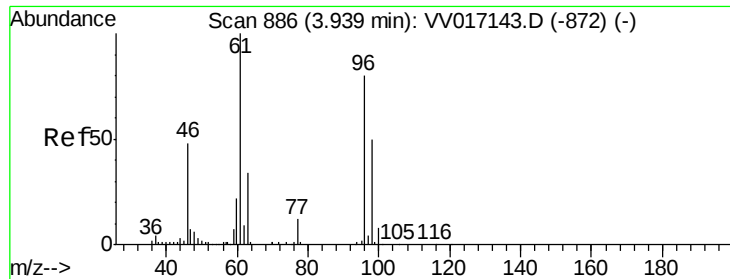
Tot Ion:	63	Resp:	22576
Ion	Ratio	Lower	Upper
63	100		
65	29.9	21.8	40.4
83	16.8	9.7	17.9



#21
 2-Butanone
 Concen: 212.514 ug/L
 RT: 4.11 min Scan# 940
 Delta R.T. 0.07 min
 Lab File: VV017145.D
 Acq: 25 Jun 2020 23:11

Tgt Ion:	43	Resp:	537414
Ion	Ratio	Lower	Upper
43	100		
72	0.1	12.4	37.4#



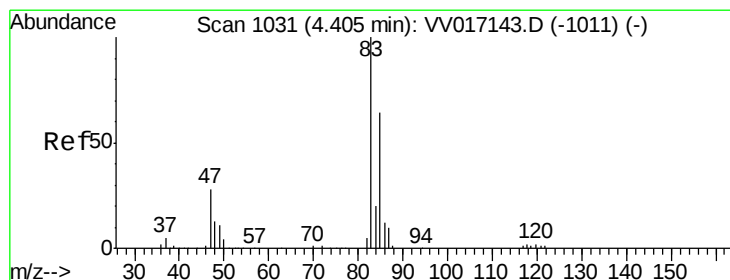
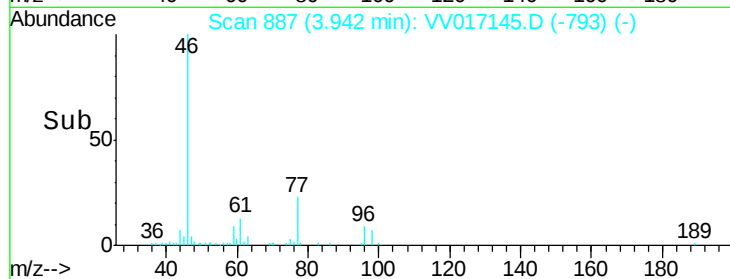
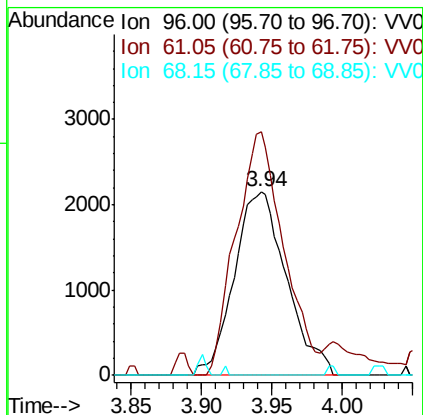
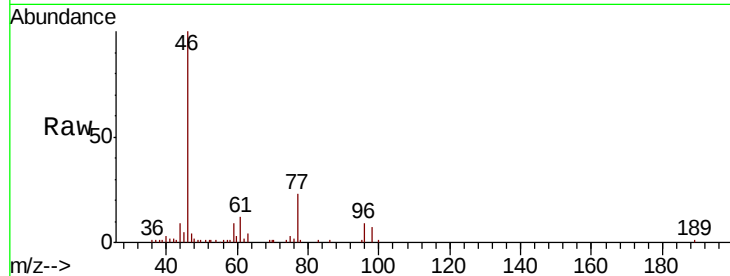


#22

cis-1,2-Dichloroethene
 Concen: 0.463 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV017145.D
 Acq: 25 Jun 2020 23:11

Instrument :
 MSVOA_V
 ClientSampled :
 BFXN5

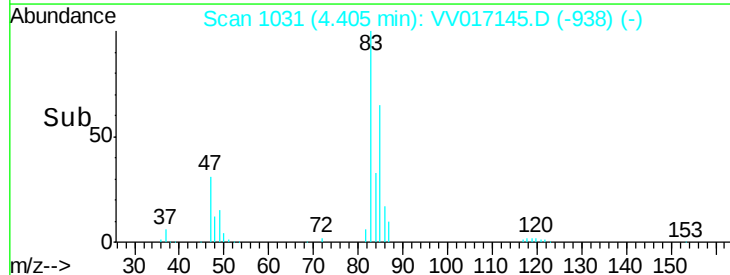
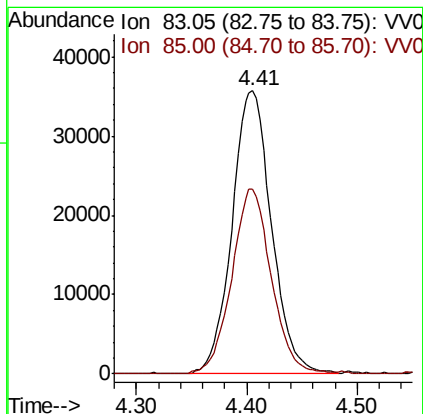
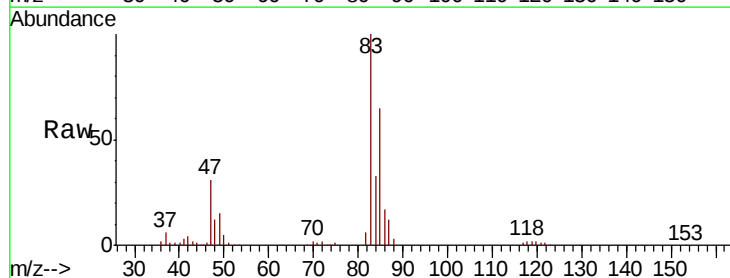
Tot Ion	96	Resp	5587
Ion	Ratio	Lower	Upper
96	100		
61	132.7	91.0	169.0
68	0.0	0.0	0.0

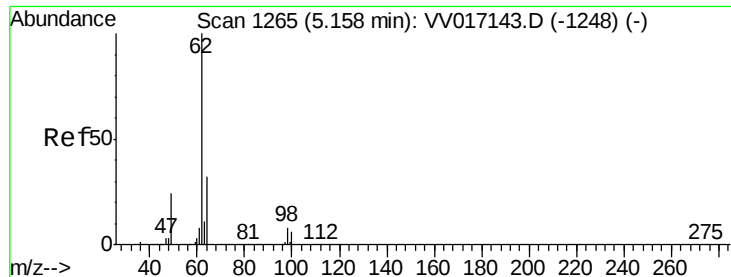


#25

Chloroform
 Concen: 4.088 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV017145.D
 Acq: 25 Jun 2020 23:11

Tgt Ion	83	Resp	88534
Ion	Ratio	Lower	Upper
83	100		
85	65.4	44.2	82.2





#27

1,2-Dichloroethane

Concen: 0.203 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

Instrument :

MSVOA_V

ClientSampled :

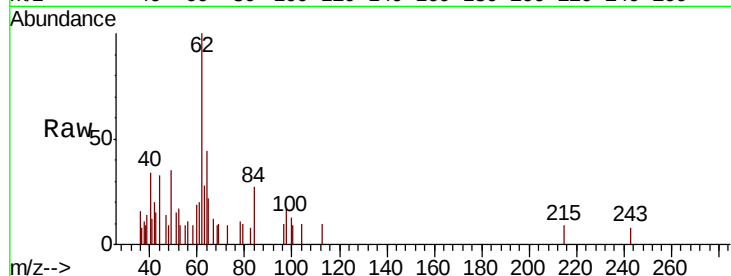
BFXN5

Tot Ion: 62 Resp: 2728

Ion Ratio Lower Upper

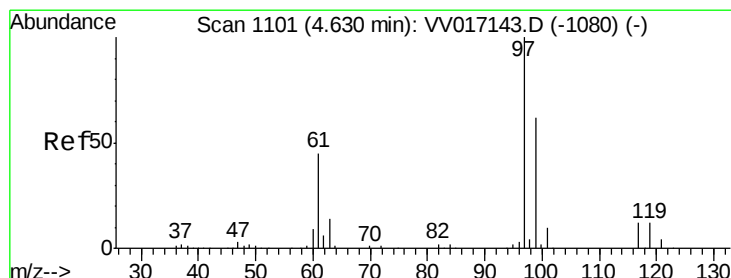
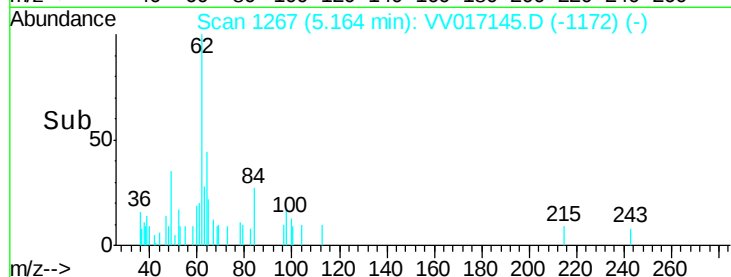
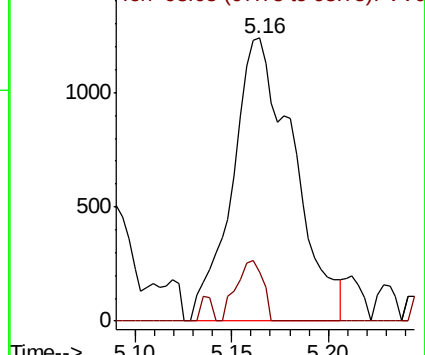
62 100

98 17.4 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.129 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

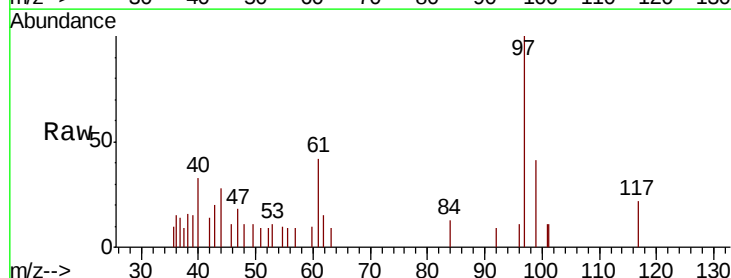
Tgt Ion: 97 Resp: 2584

Ion Ratio Lower Upper

97 100

99 57.5 50.3 75.5

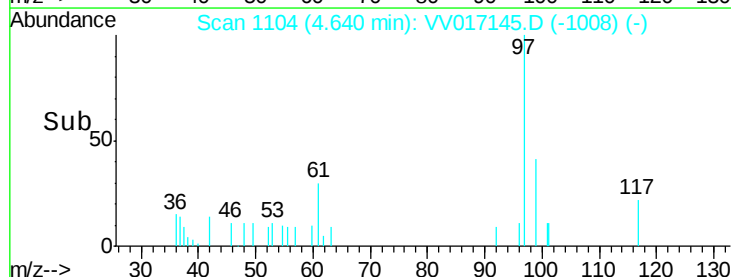
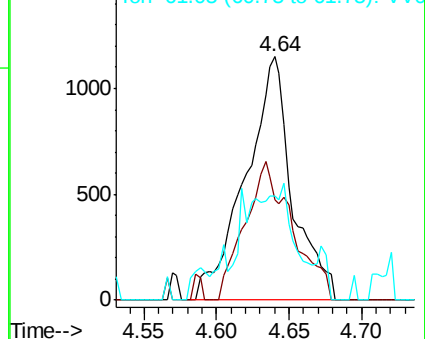
61 13.1 36.0 54.0#

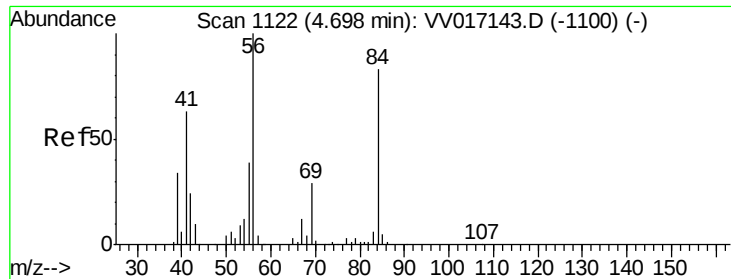


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0

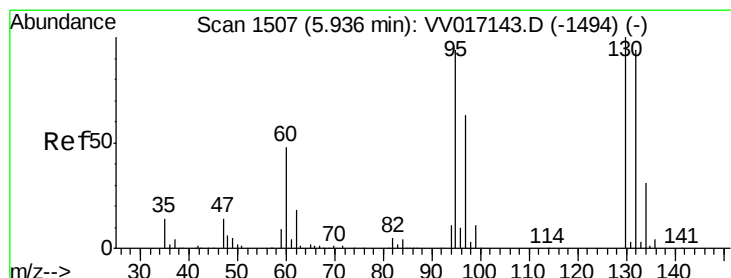
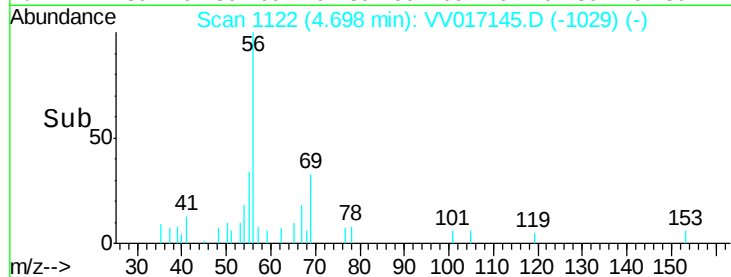
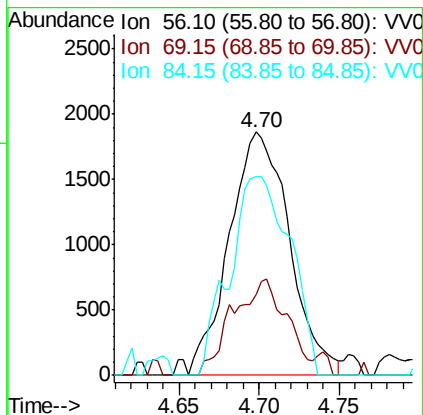
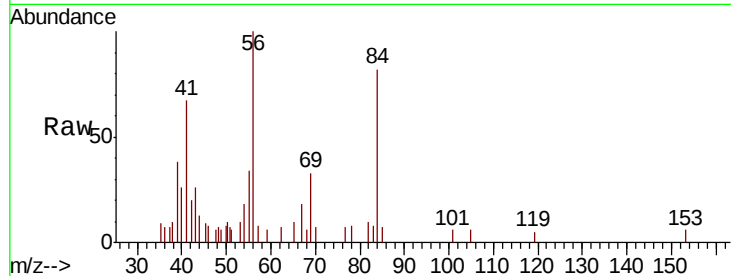




#30
Cyclohexane
Concen: 0.254 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VV017145.D
Acq: 25 Jun 2020 23:11

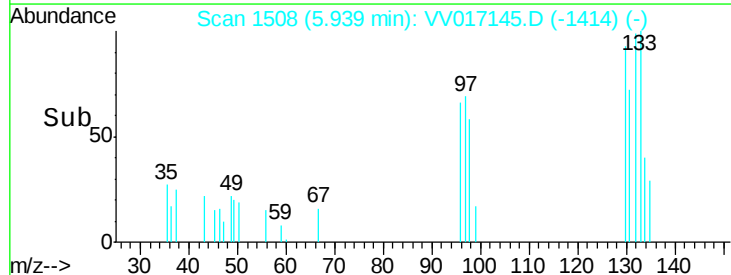
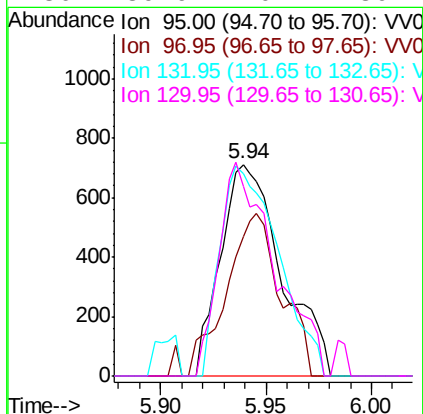
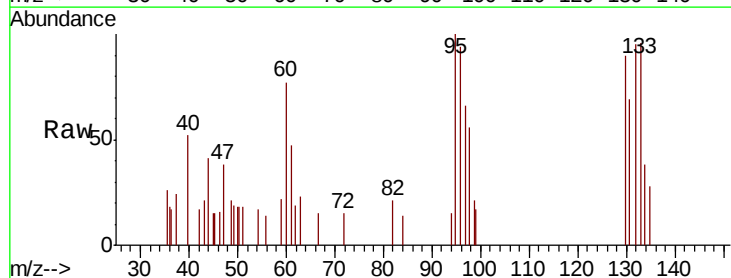
Instrument :
MSVOA_V
ClientSampleId :
BFXN5

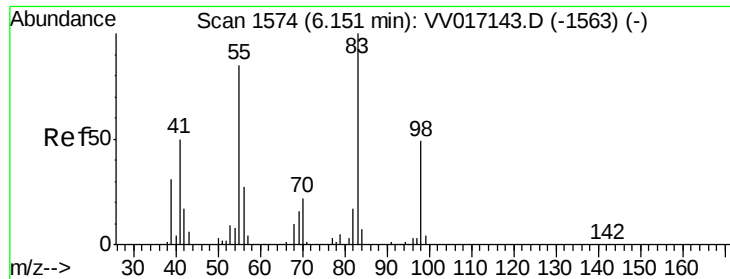
Tot Ion: 56 Resp: 4817
Ion Ratio Lower Upper
56 100
69 35.6 24.4 36.6
84 82.2 69.9 104.9



#34
Trichloroethene
Concen: 0.112 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017145.D
Acq: 25 Jun 2020 23:11

Tgt Ion: 95 Resp: 1433
Ion Ratio Lower Upper
95 100
97 66.1 45.3 84.1
132 95.5 68.8 127.8
130 89.9 70.2 130.4

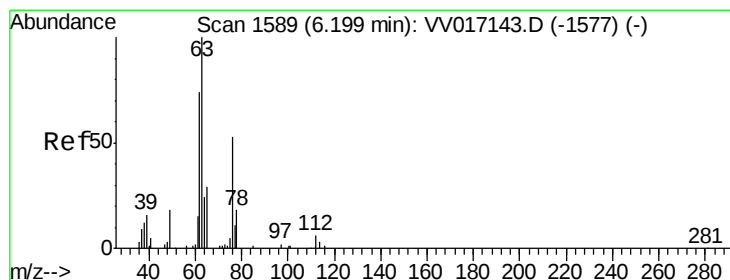
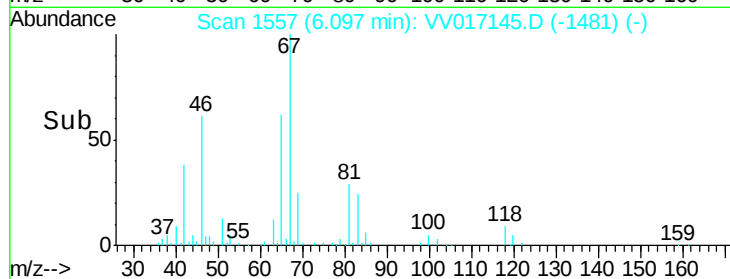
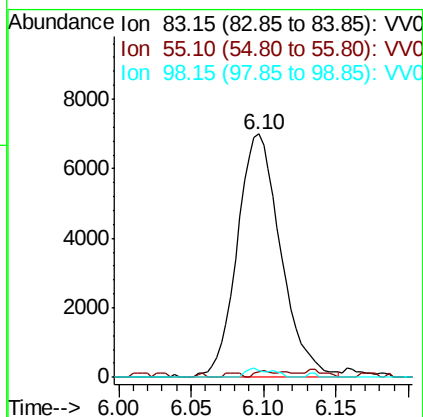
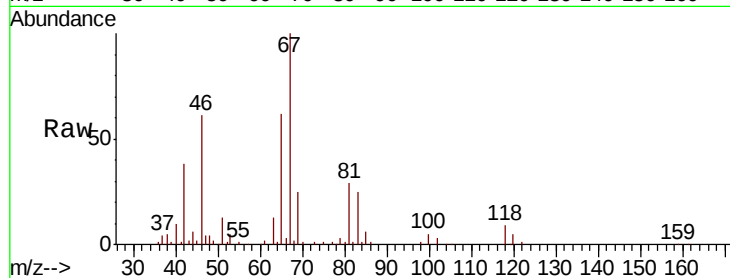




#35
Methvlcvclohexane
Concen: 0.735 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017145.D
Acq: 25 Jun 2020 23:11

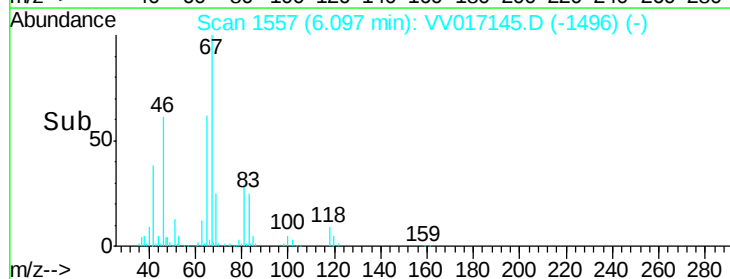
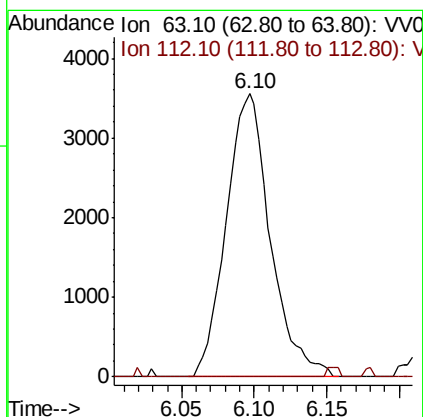
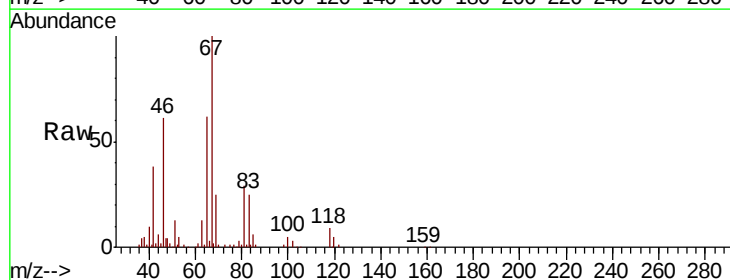
Instrument :
MSVOA_V
ClientSampleId :
BFXN5

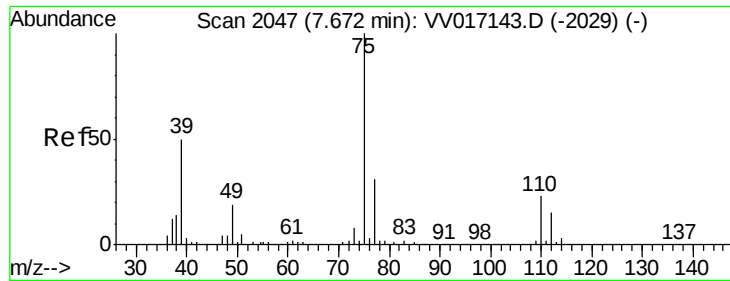
Tot Ion	Ratio	Lower	Upper
83	100		
55	1.1	63.6	95.4#
98	1.6	38.8	58.2#



#37
1,2-Dichloropropane
Concen: 0.695 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017145.D
Acq: 25 Jun 2020 23:11

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.9	4.4	6.6#





#46

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

Instrument :

MSVOA_V

ClientSampled :

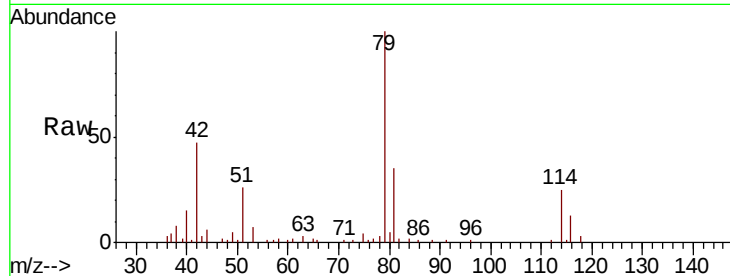
BFXN5

Tot Ion: 75 Resp: 1287

Ion Ratio Lower Upper

75 100

77 45.4 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

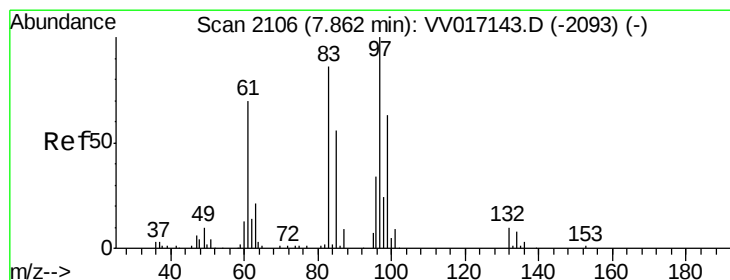
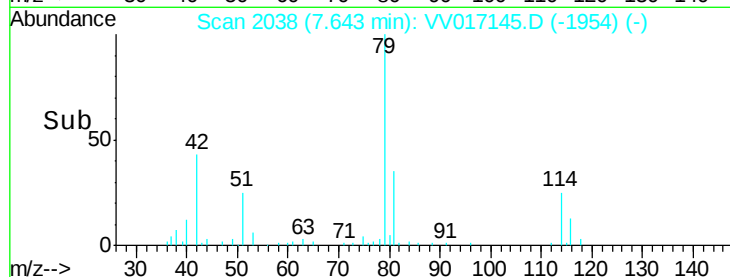
600

400

200

0

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.138 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VV017145.D

Acq: 25 Jun 2020 23:11

Tgt Ion: 97 Resp: 1058

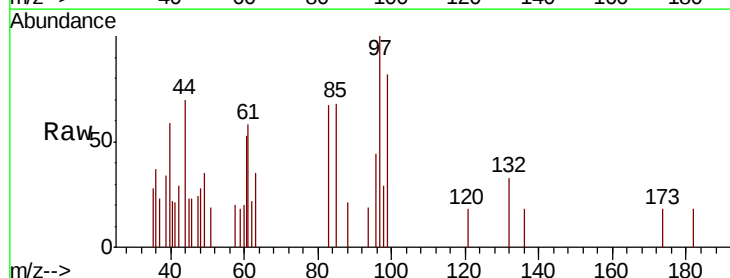
Ion Ratio Lower Upper

97 100

99 82.5 43.6 81.0#

83 66.8 57.4 106.6

85 67.6 38.8 72.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

1000

800

600

400

200

0

Time-->

