

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017079.D
 Acq On : 24 Jun 2020 18:17
 Operator : SY/MD
 Sample : L3105-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXK6

Quant Time: Jun 25 02:28:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	168196	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	164319	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77350	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38799	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.58	69	30827	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.13	63	61380	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	3.92	46	114918	44.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.34%
24) Chloroform-d	4.38	84	100826	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.06	65	54143	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.08	84	190469	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.10	67	55988	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.34	98	167680	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
45) trans-1,3-Dichloropropene-	7.64	79	22017	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
48) 2-Hexanone-d5	8.11	63	84617	41.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.56%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40248	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	68508	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

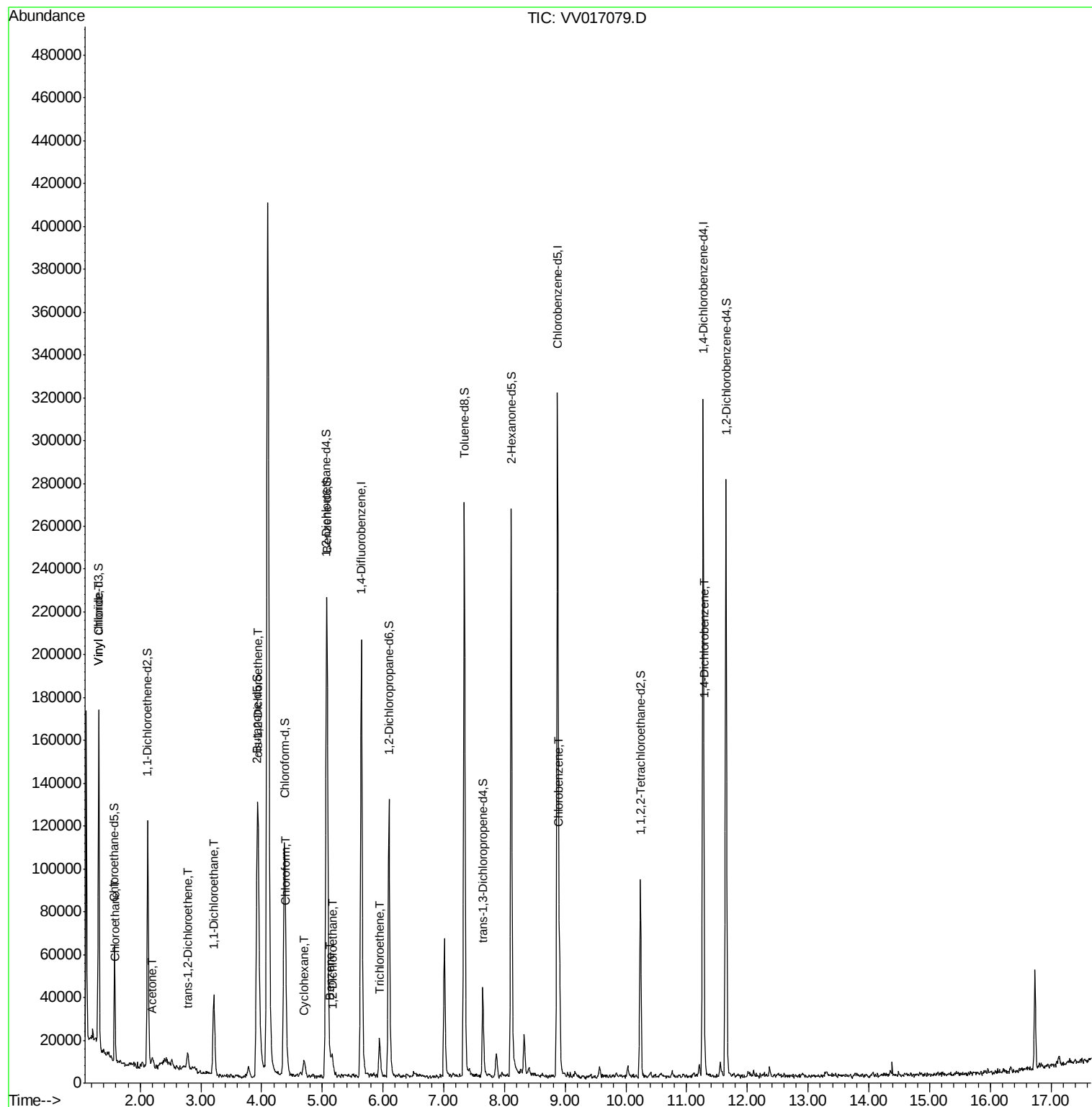
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	60629	5.493	ug/L	98
8) Chloroethane	1.60	64	875	0.143	ug/L	92
13) Acetone	2.20	43	8811	6.775	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	1472	0.172	ug/L	84
19) 1,1-Dichloroethane	3.21	63	38063	1.980	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	39197	3.351	ug/L	98
25) Chloroform	4.41	83	12132	0.578	ug/L	88
27) 1,2-Dichloroethane	5.16	62	7321	0.561	ug/L	96
30) Cyclohexane	4.70	56	3681	0.196	ug/L #	65
33) Benzene	5.13	78	7243	0.168	ug/L	100
34) Trichloroethene	5.94	95	5819	0.462	ug/L	95
53) Chlorobenzene	8.90	112	28792	0.923	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	2545	0.108	ug/L	94

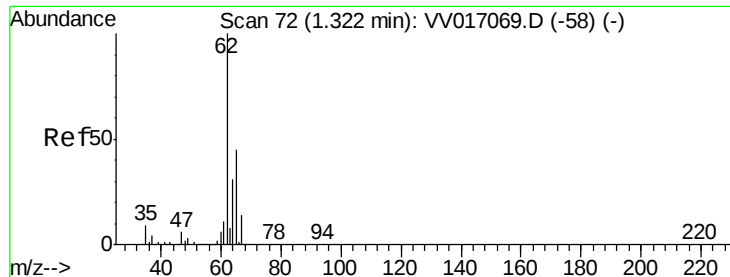
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.493 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

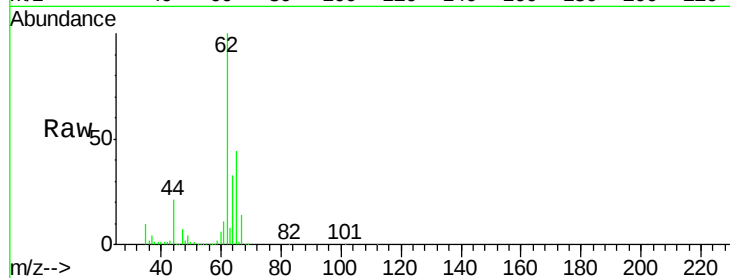
BFXK6

Tot Ion: 62 Resp: 60629

Ion Ratio Lower Upper

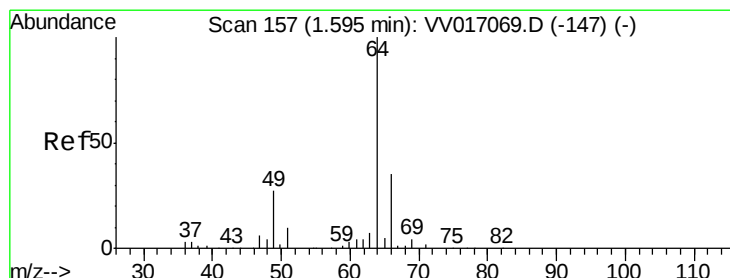
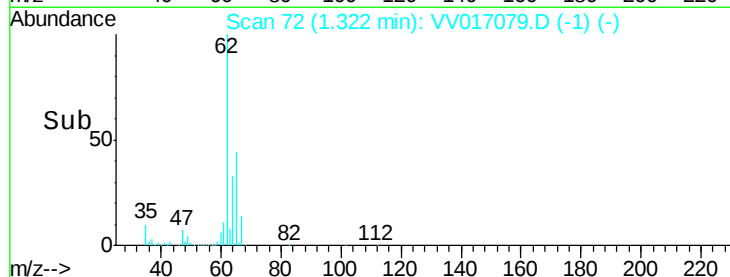
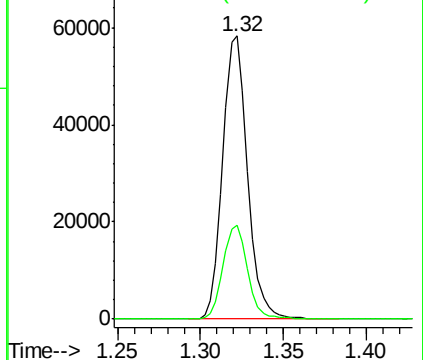
62 100

64 33.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.143 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV017079.D

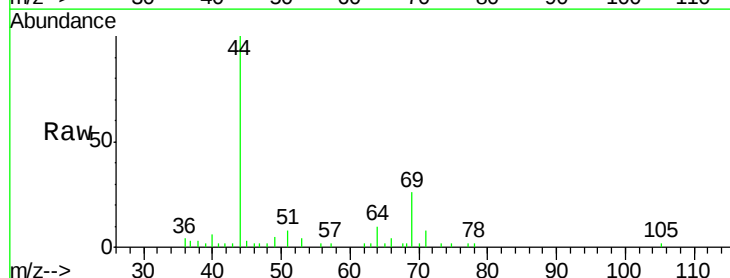
Acq: 24 Jun 2020 18:17

Tgt Ion: 64 Resp: 875

Ion Ratio Lower Upper

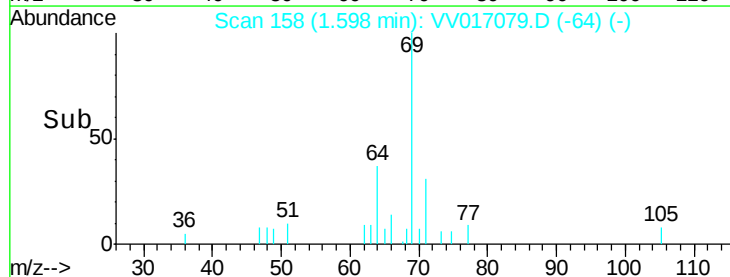
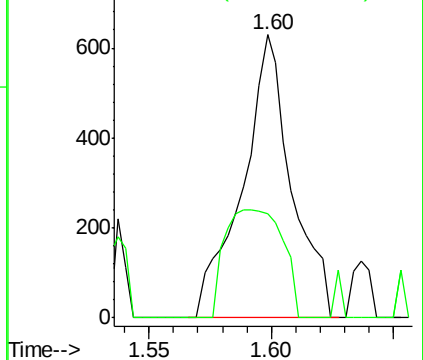
64 100

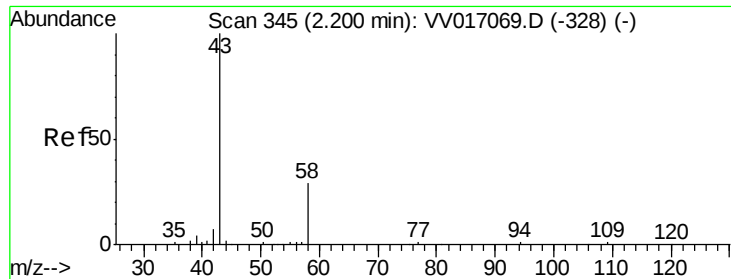
66 36.9 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 6.775 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

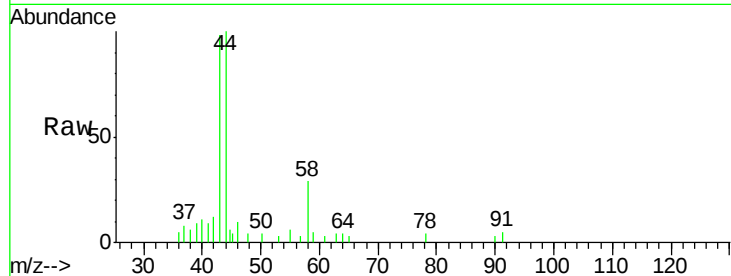
BFXK6

Tot Ion: 43 Resp: 8811

Ion Ratio Lower Upper

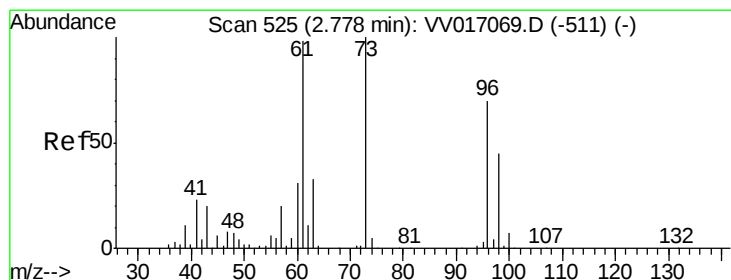
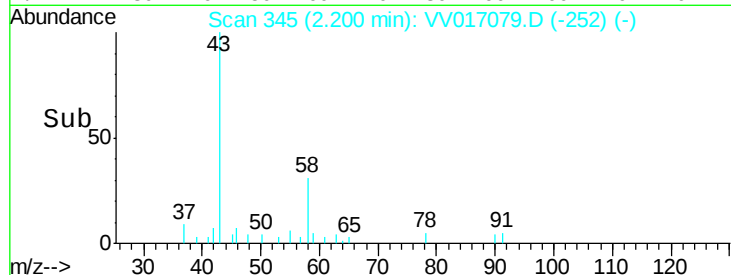
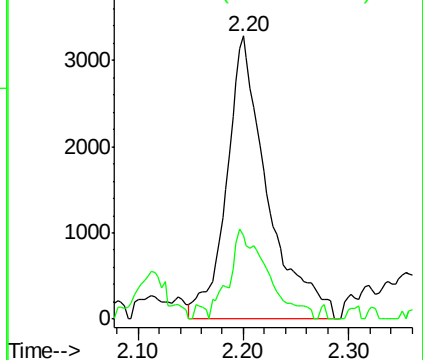
43 100

58 29.7 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.172 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

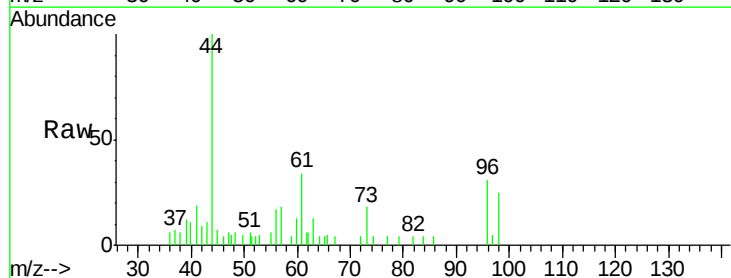
Tgt Ion: 96 Resp: 1472

Ion Ratio Lower Upper

96 100

61 129.4 102.3 189.9

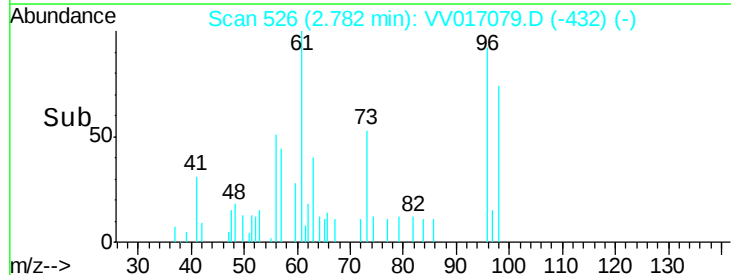
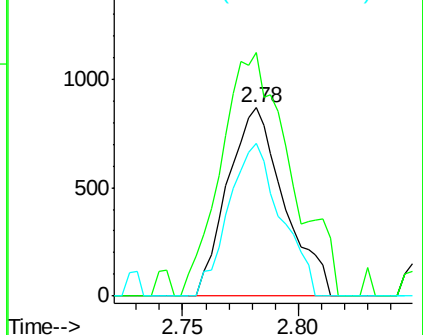
98 81.0 44.7 82.9

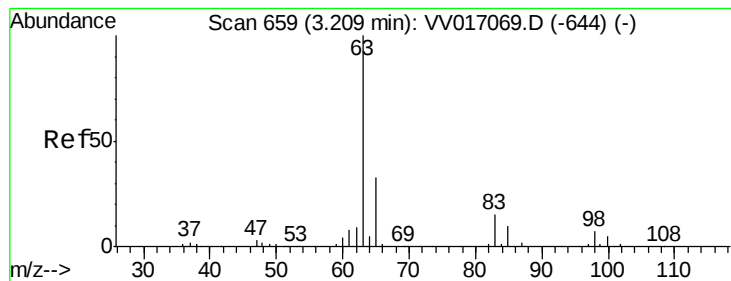


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 1.980 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

BFXK6

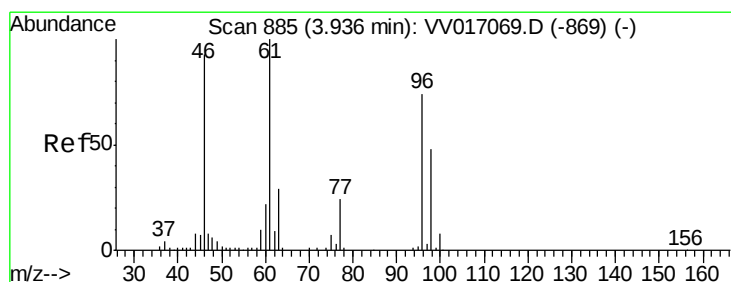
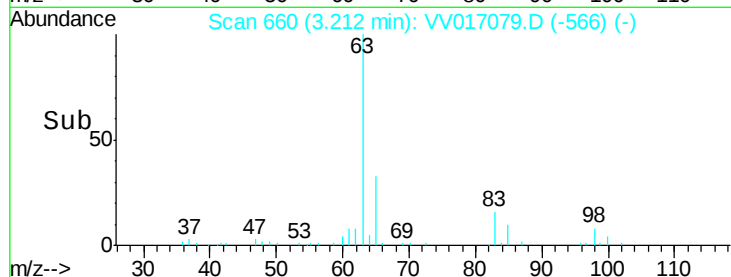
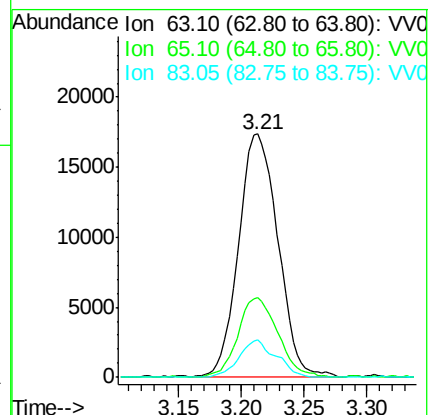
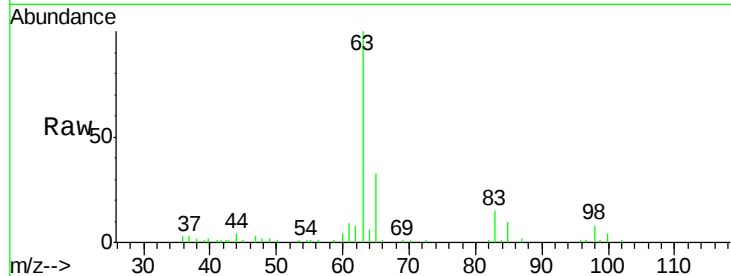
Tot Ion: 63 Resp: 38063

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.4

83 15.4 9.7 17.9



#22

cis-1,2-Dichloroethene

Concen: 3.351 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

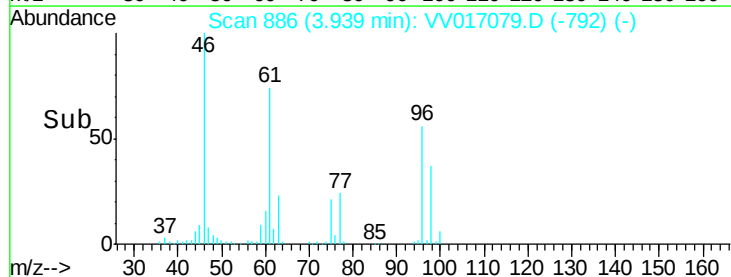
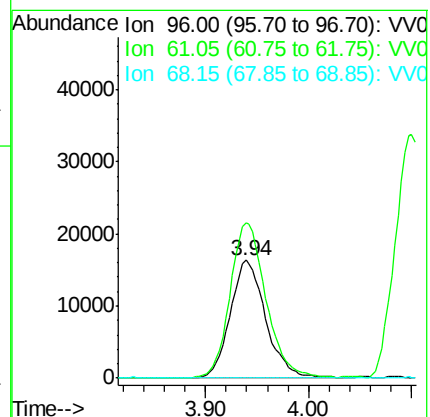
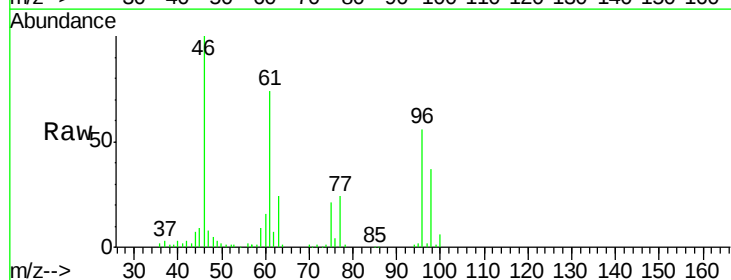
Tgt Ion: 96 Resp: 39197

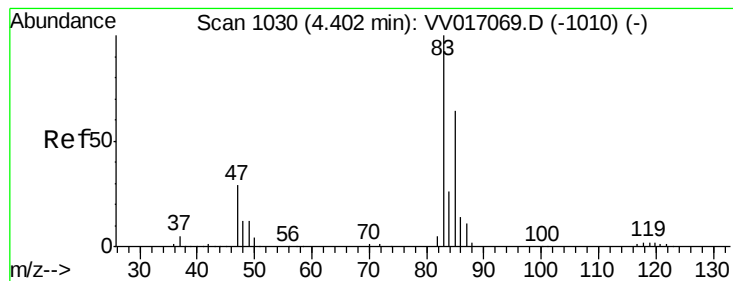
Ion Ratio Lower Upper

96 100

61 132.4 91.0 169.0

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.578 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

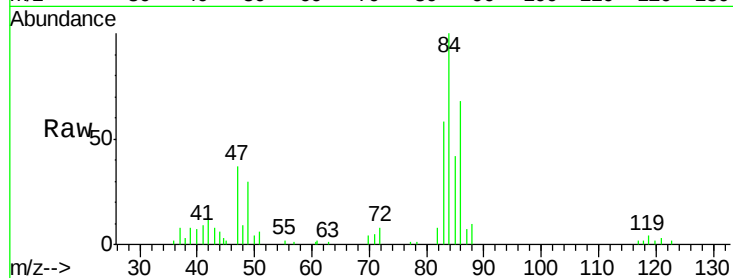
BFXK6

Tot Ion: 83 Resp: 12132

Ion Ratio Lower Upper

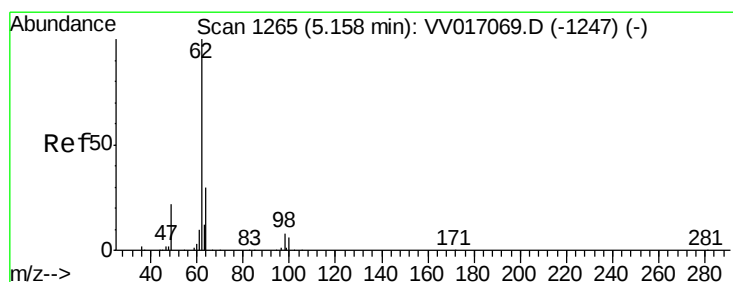
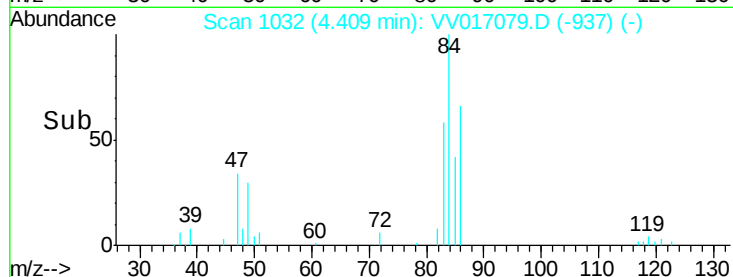
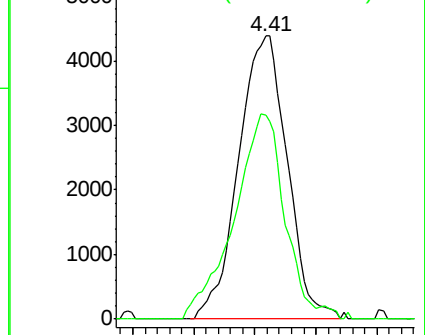
83 100

85 72.3 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 0.561 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV017079.D

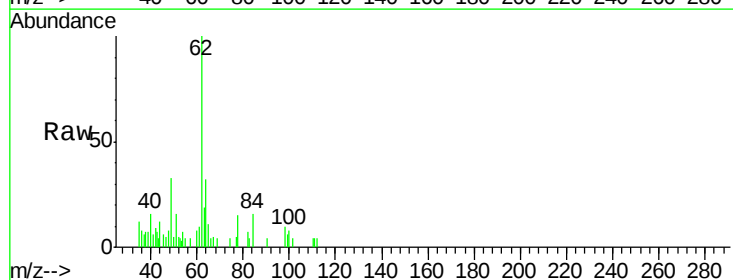
Acq: 24 Jun 2020 18:17

Tgt Ion: 62 Resp: 7321

Ion Ratio Lower Upper

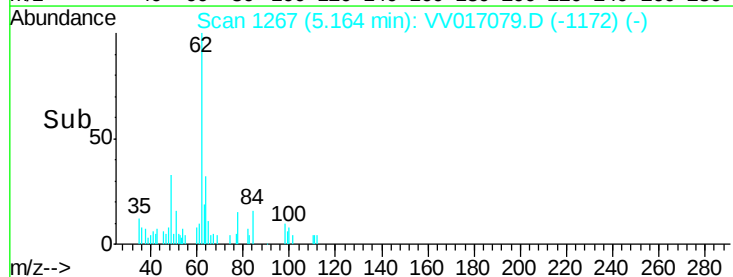
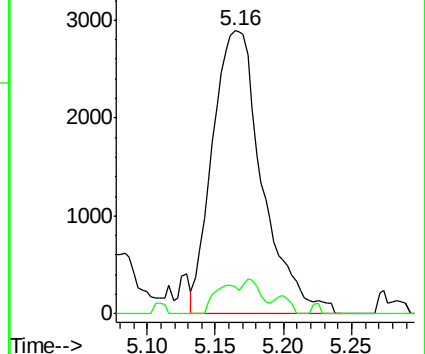
62 100

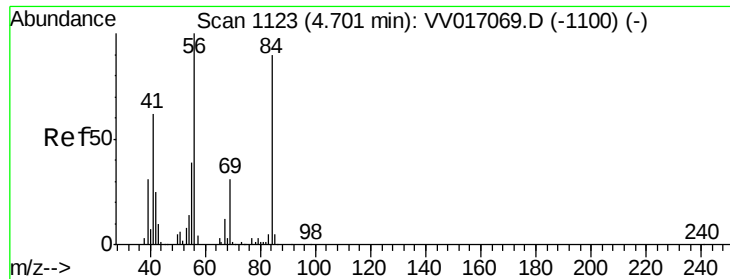
98 9.7 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

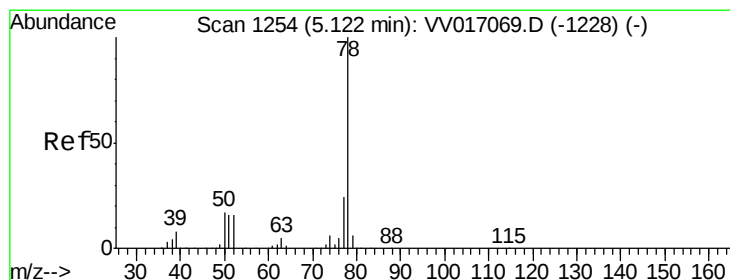
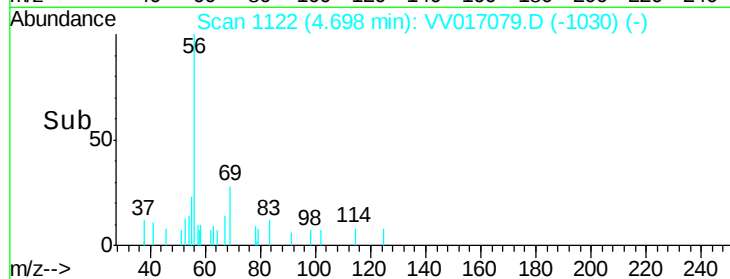
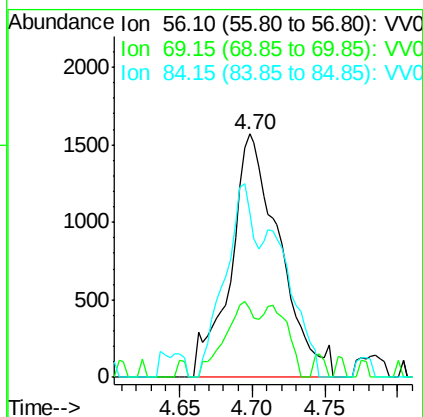
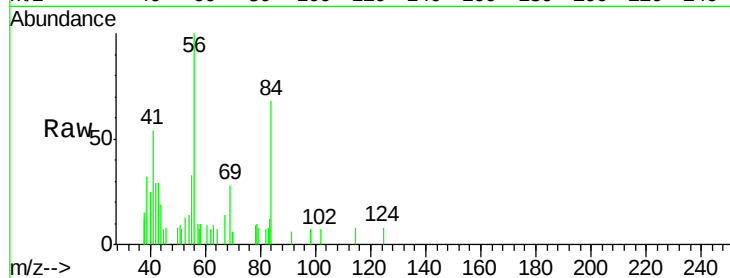




#30
Cyclohexane
Concen: 0.196 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VV017079.D
Acq: 24 Jun 2020 18:17

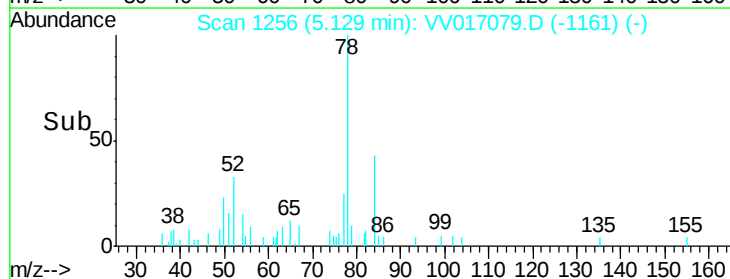
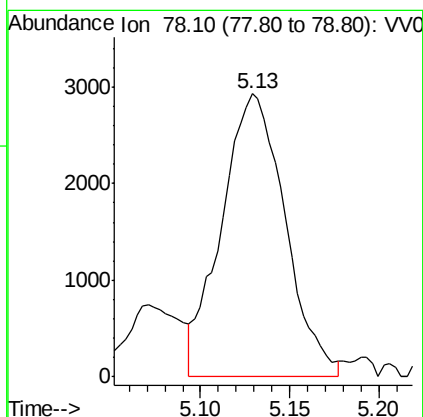
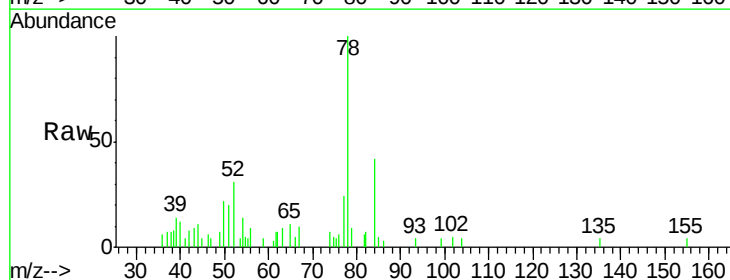
Instrument :
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ClientSampleId :
BFXK6

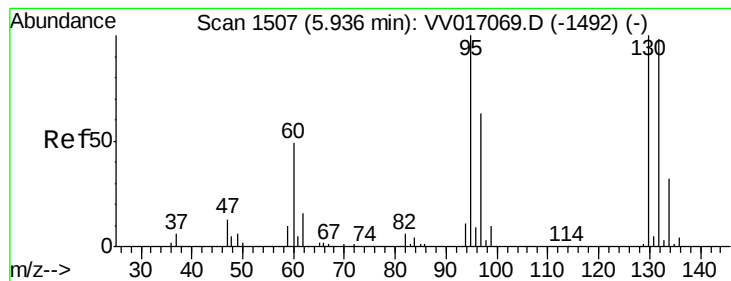
Tot Ion: 56 Resp: 3681
Ion Ratio Lower Upper
56 100
69 20.3 24.4 36.6#
84 49.6 69.9 104.9#



#33
Benzene
Concen: 0.168 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017079.D
Acq: 24 Jun 2020 18:17

Tgt Ion: 78 Resp: 7243





#34

Trichloroethene

Concen: 0.462 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

BFXK6

Tot Ion: 95 Resp: 5819

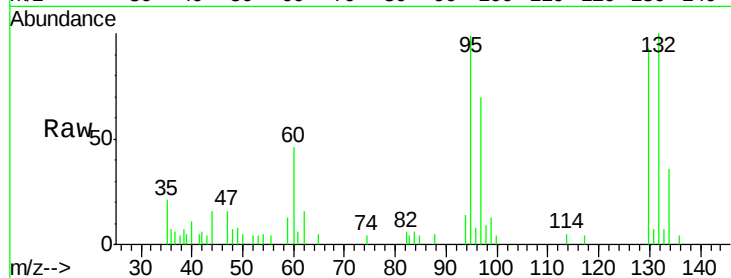
Ion Ratio Lower Upper

95 100

97 71.0 45.3 84.1

132 101.1 68.8 127.8

130 94.2 70.2 130.4

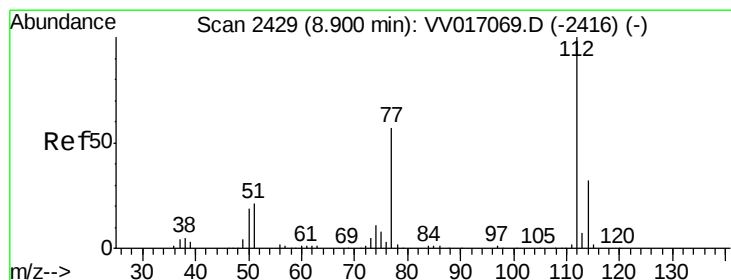
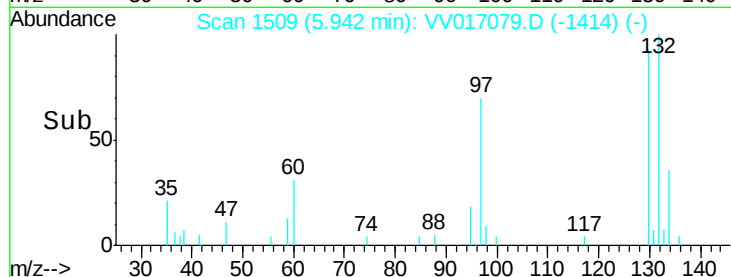
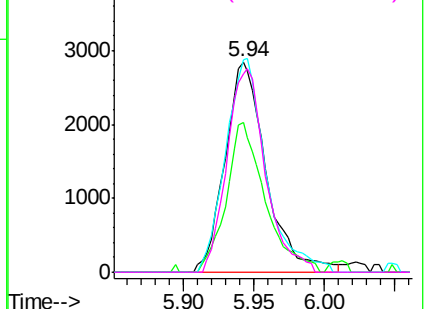


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#53

Chlorobenzene

Concen: 0.923 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017079.D

Acq: 24 Jun 2020 18:17

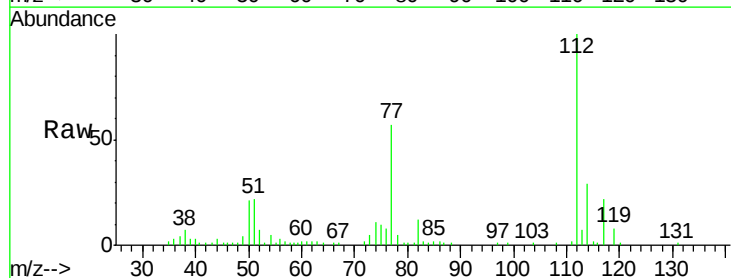
Tgt Ion: 112 Resp: 28792

Ion Ratio Lower Upper

112 100

114 29.5 22.0 41.0

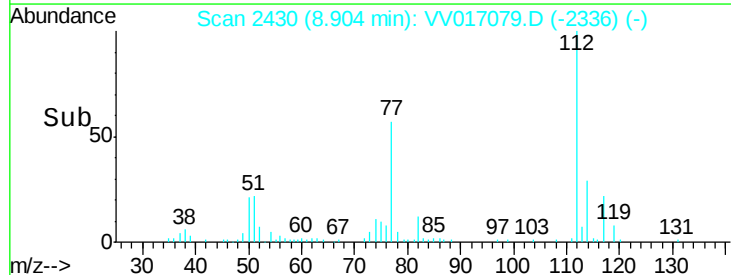
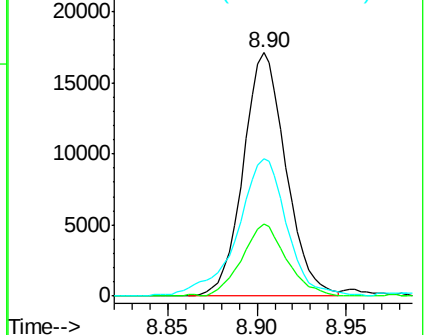
77 56.5 46.0 69.0

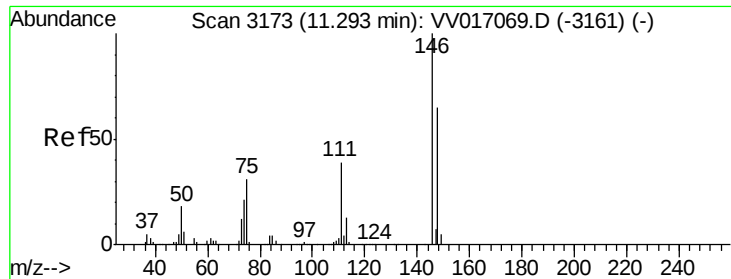


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#64
 1,4-Dichlorobenzene
 Concen: 0.108 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017079.D
 Acq: 24 Jun 2020 18:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXK6

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	27.4	50.8
148	69.4	44.3	82.3

