

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017065.D
 Acq On : 23 Jun 2020 19:45
 Operator : SY/MD
 Sample : L3093-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN4

Quant Time: Jun 24 05:07:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163563	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	161006	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74223	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44044	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.58	69	32814	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	64814	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.92	46	127212	50.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.70%
24) Chloroform-d	4.38	84	99554	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	59319	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.07	84	201971	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.09	67	60398	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.34	98	179549	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
45) trans-1,3-Dichloropropene-	7.64	79	22847	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
48) 2-Hexanone-d5	8.11	63	82139	41.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42078	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	73502	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

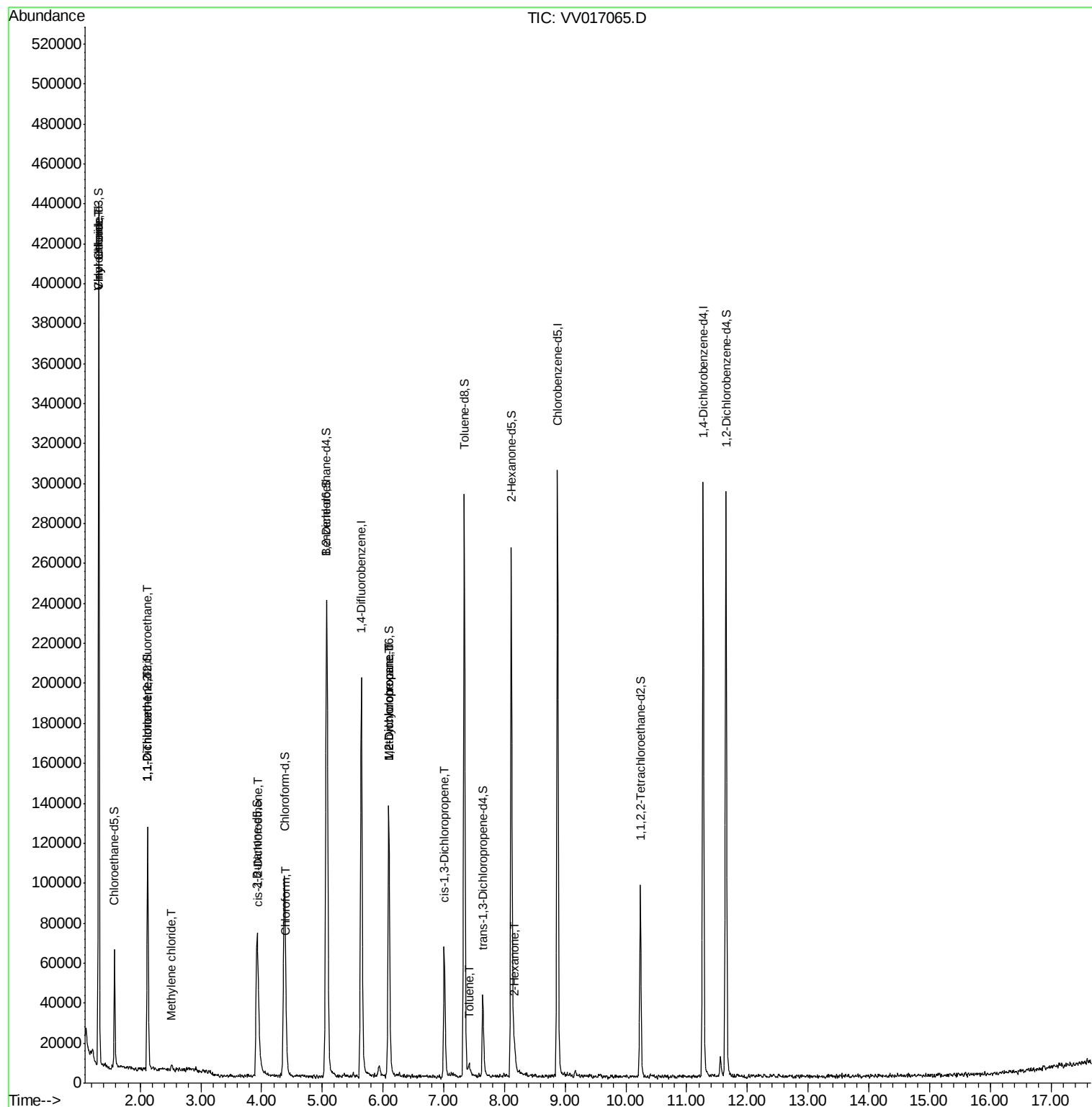
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	220490	20.543	ug/L	100
8) Chloroethane	1.32	64	69197	11.666	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	757	0.087	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	551	0.070	ug/L #	1
16) Methylene chloride	2.52	84	876	0.104	ug/L #	64
22) cis-1,2-Dichloroethene	3.95	96	2654	0.233	ug/L	93
25) Chloroform	4.41	83	10774	0.528	ug/L	98
35) Methylcyclohexane	6.09	83	15731	0.820	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	7271	0.697	ug/L #	88
39) cis-1,3-Dichloropropene	7.00	75	2372	0.153	ug/L #	77
42) Toluene	7.42	91	3780	0.077	ug/L	84
50) 2-Hexanone	8.17	43	6850	1.597	ug/L #	93

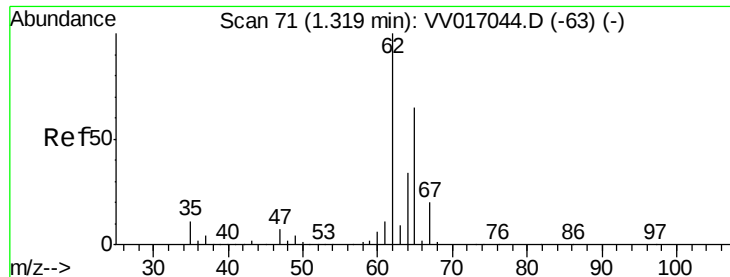
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 20.543 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017065.D

Acq: 23 Jun 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

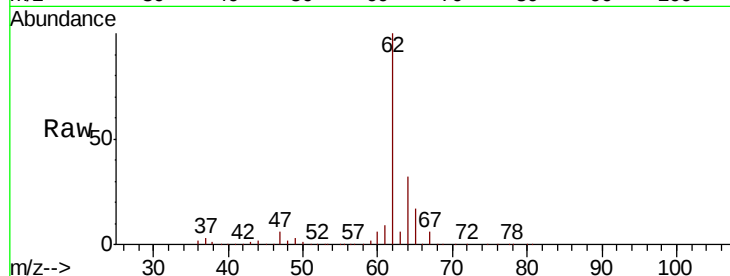
ETTN4

Tot Ion: 62 Resp: 220490

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017044.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV017065.D (-64) (-)

1.32

250000

200000

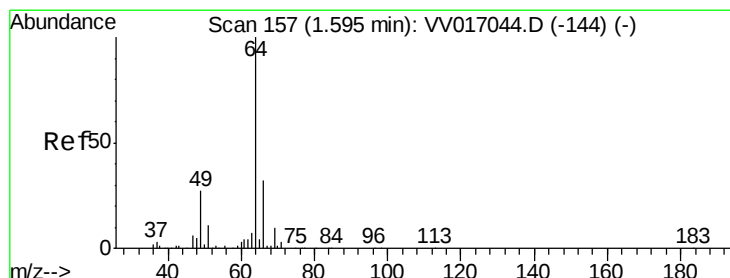
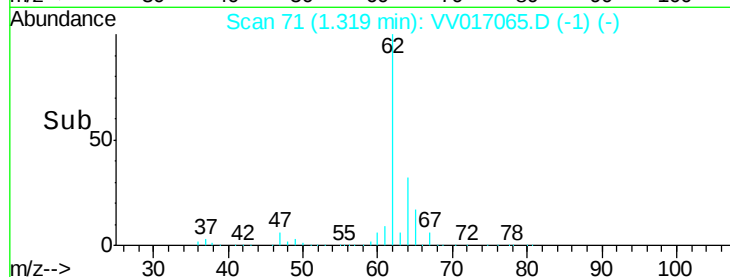
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 11.666 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017065.D

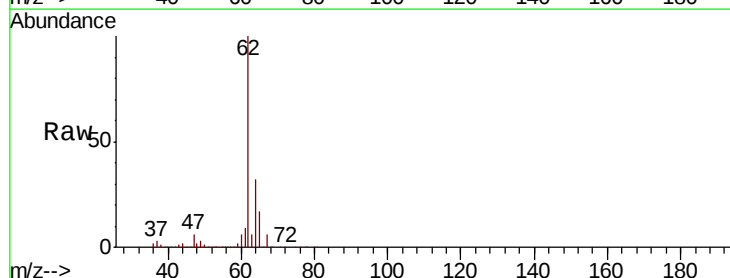
Acq: 23 Jun 2020 19:45

Tgt Ion: 64 Resp: 69197

Ion Ratio Lower Upper

64 100

66 1.4 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV017044.D (-144) (-)

Ion 66.05 (65.75 to 66.75): VV017065.D (-64) (-)

1.32

80000

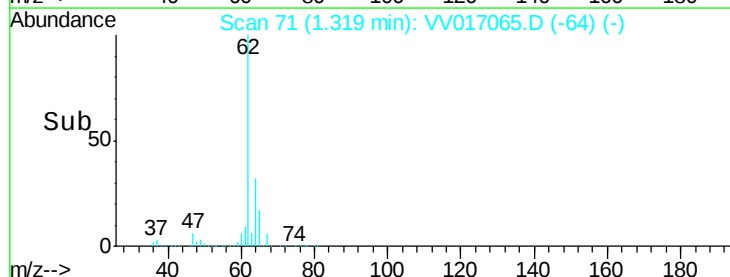
60000

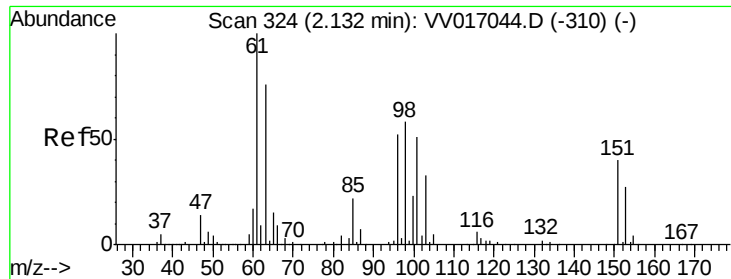
40000

20000

0

Time-->





#10

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

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017065.D

Acq: 23 Jun 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

ETTN4

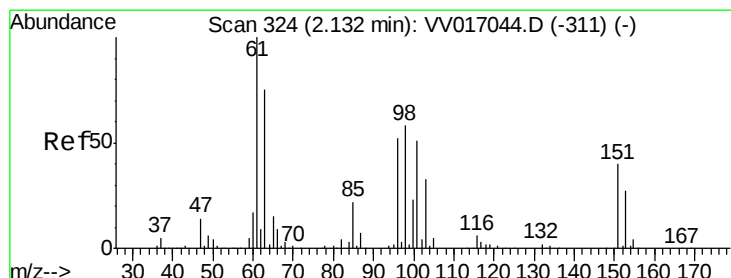
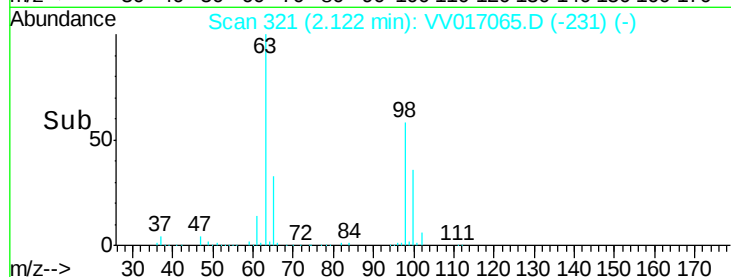
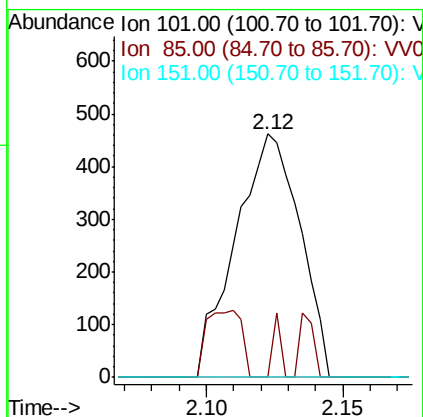
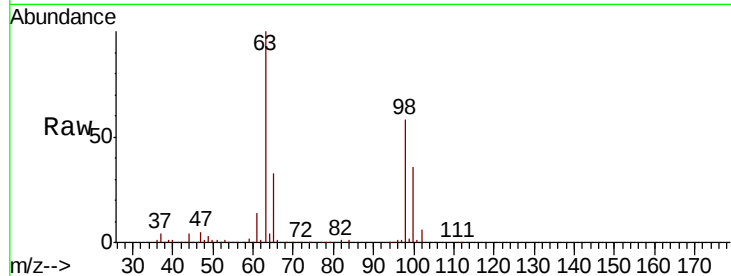
Tot Ion:101 Resp: 757

Ion Ratio Lower Upper

101 100

85 3.0 35.4 53.2#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017065.D

Acq: 23 Jun 2020 19:45

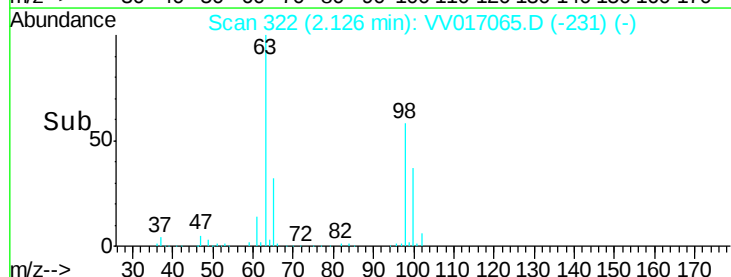
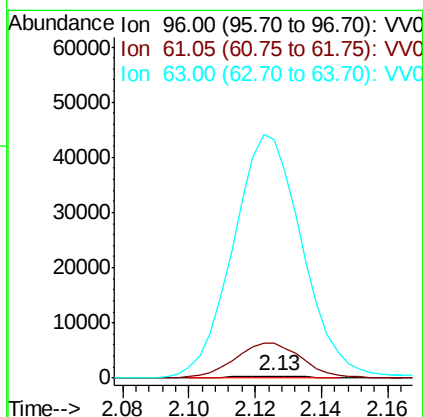
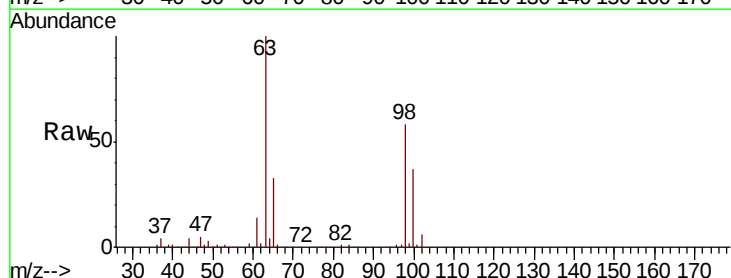
Tgt Ion: 96 Resp: 551

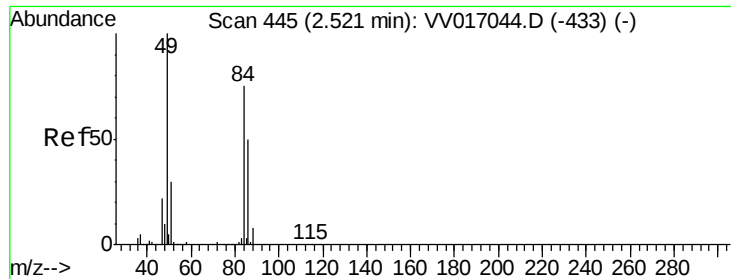
Ion Ratio Lower Upper

96 100

61 1589.0 125.0 232.2#

63 11010.2 109.8 203.8#

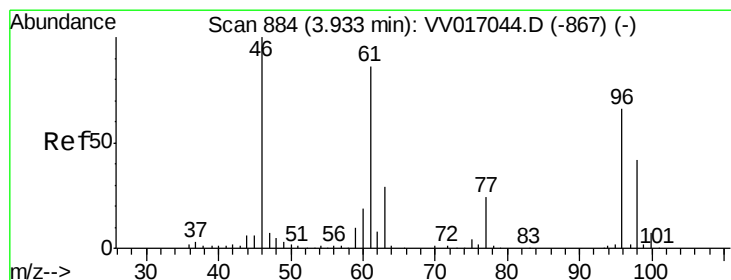
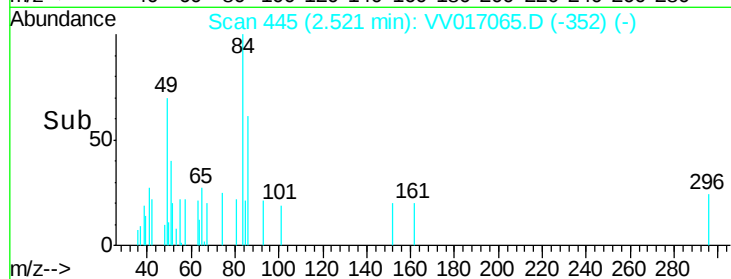
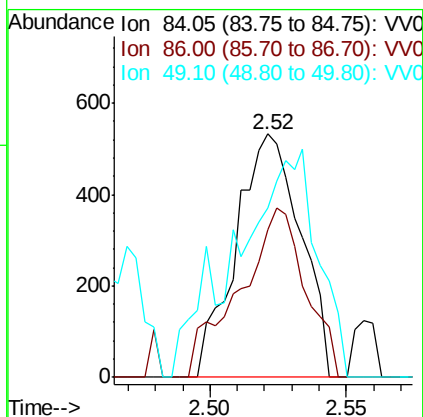
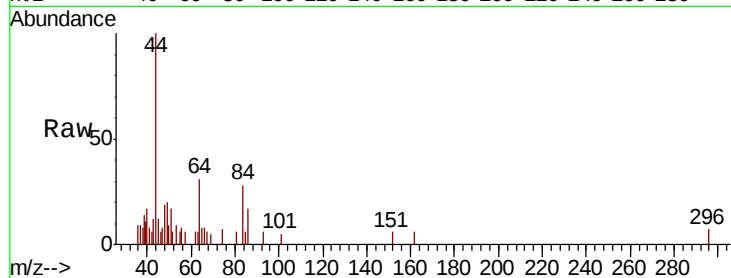




#16
Methylene chloride
Concen: 0.104 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017065.D
Acq: 23 Jun 2020 19:45

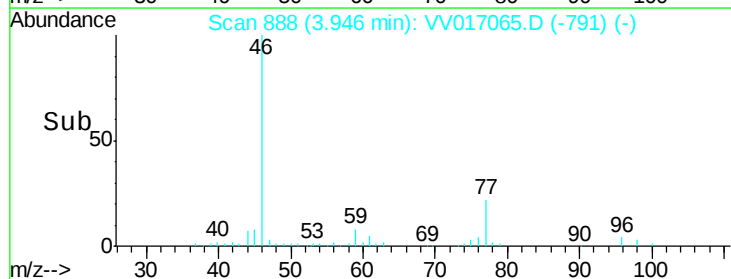
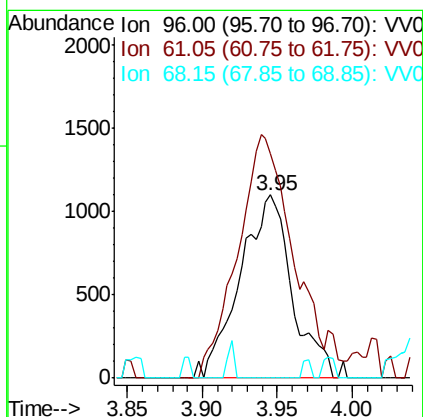
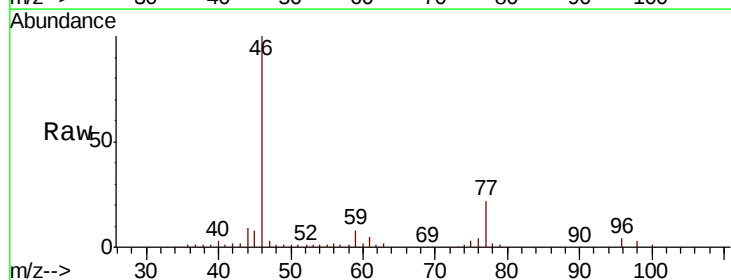
Instrument :
MSVOA_V
ClientSampleId :
ETTN4

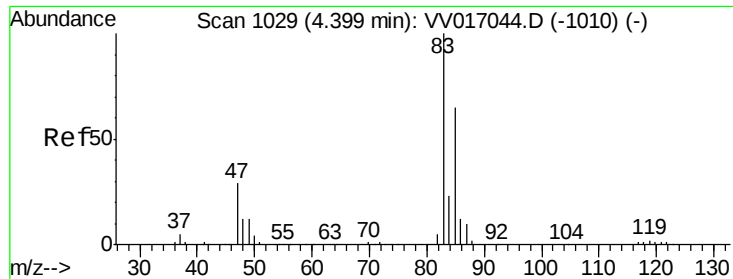
Tot Ion: 84 Resp: 876
Ion Ratio Lower Upper
84 100
86 60.6 45.8 85.0
49 69.6 89.6 166.4#



#22
cis-1,2-Dichloroethene
Concen: 0.233 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV017065.D
Acq: 23 Jun 2020 19:45

Tgt Ion: 96 Resp: 2654
Ion Ratio Lower Upper
96 100
61 122.4 91.0 169.0
68 0.0 0.0 0.0

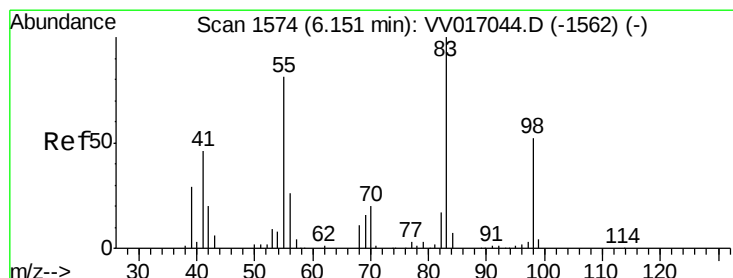
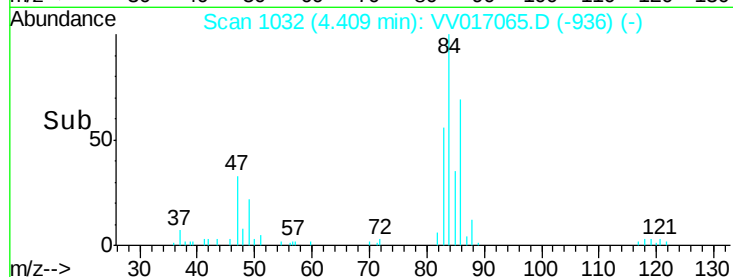
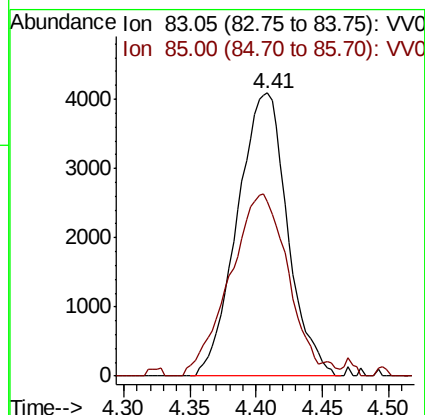
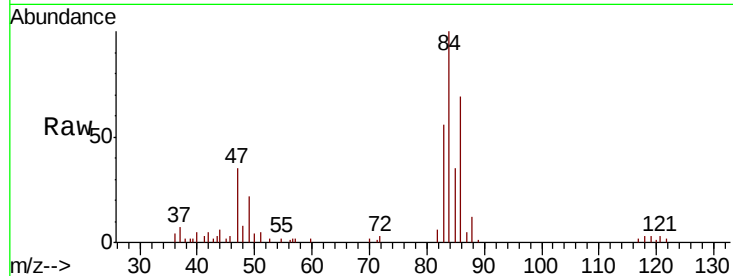




#25
Chloroform
Concen: 0.528 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017065.D
Acq: 23 Jun 2020 19:45

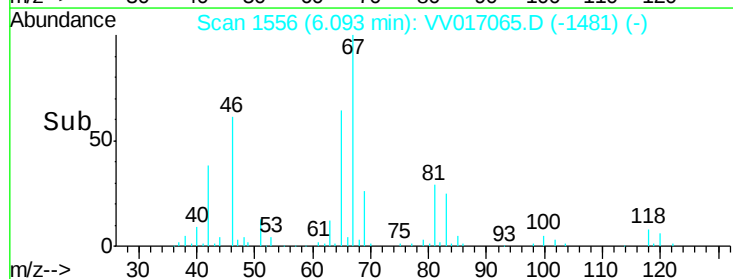
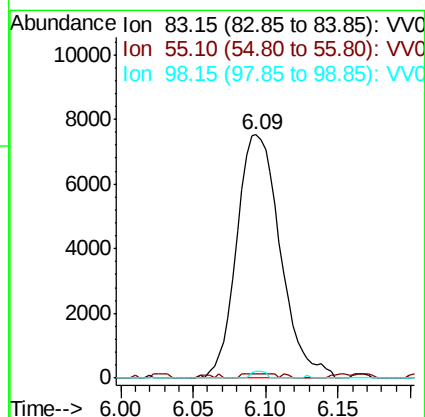
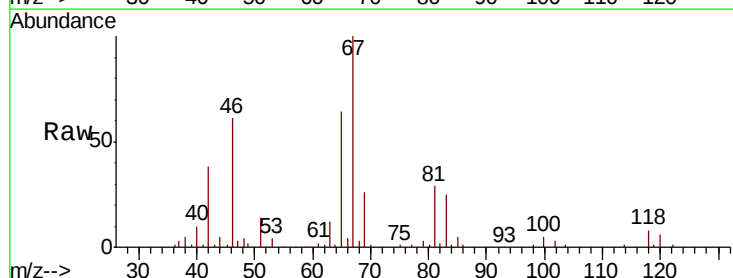
Instrument :
MSVOA_V
ClientSampled :
ETTN4

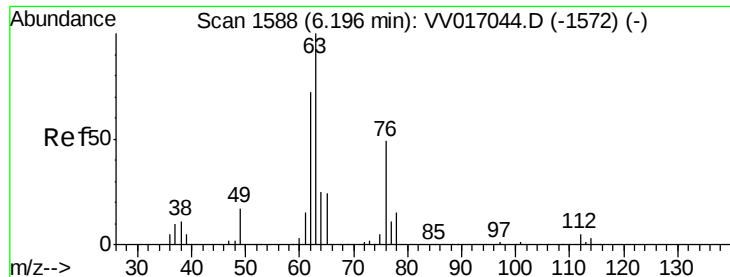
Tot Ion: 83 Resp: 10774
Ion Ratio Lower Upper
83 100
85 61.8 44.2 82.2



#35
Methylcyclohexane
Concen: 0.820 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017065.D
Acq: 23 Jun 2020 19:45

Tgt Ion: 83 Resp: 15731
Ion Ratio Lower Upper
83 100
55 1.3 63.6 95.4#
98 0.9 38.8 58.2#

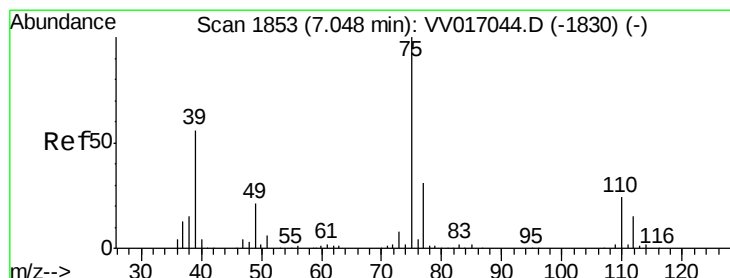
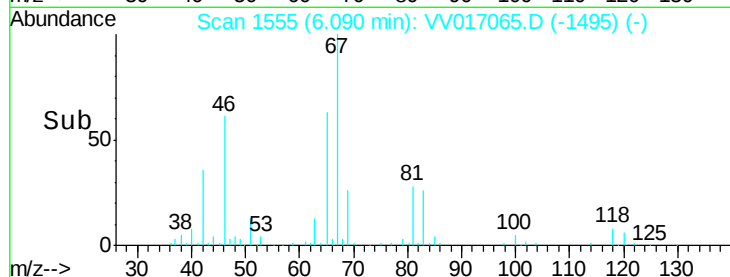
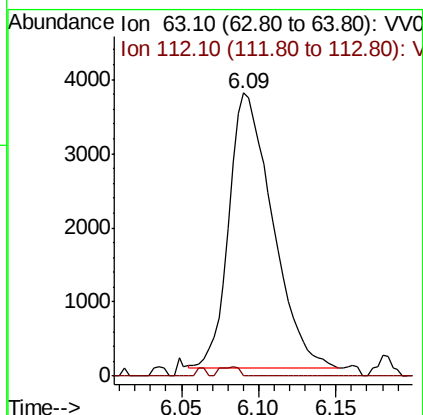
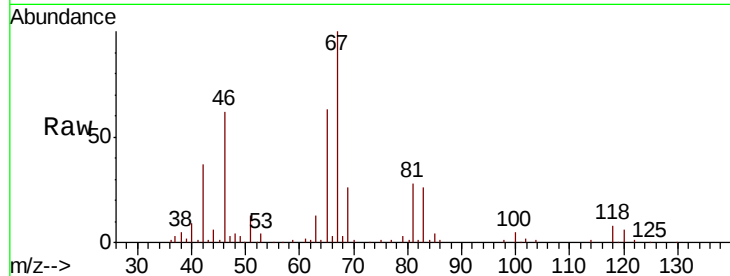




#37
 1,2-Dichloropropane
 Concen: 0.697 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV017065.D
 Acq: 23 Jun 2020 19:45

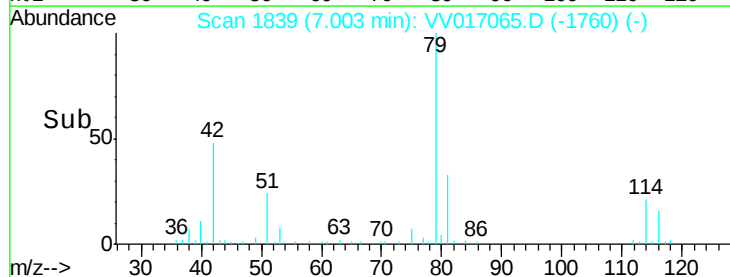
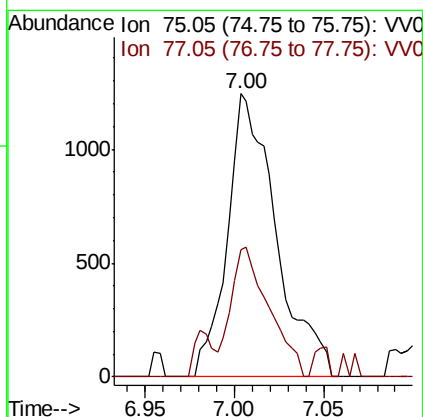
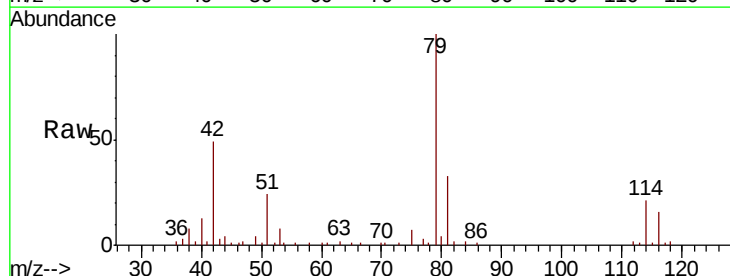
Instrument :
 MSVOA_V
 ClientSampleId :
 ETTN4

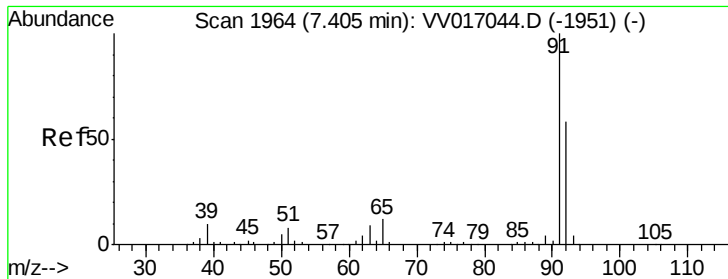
Tot Ion: 63 Resp: 7271
 Ion Ratio Lower Upper
 63 100
 112 1.5 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.153 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV017065.D
 Acq: 23 Jun 2020 19:45

Tgt Ion: 75 Resp: 2372
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.3 41.5#





#42

Toluene

Concen: 0.077 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017065.D

Acq: 23 Jun 2020 19:45

Instrument :

MSVOA_V

ClientSampleId :

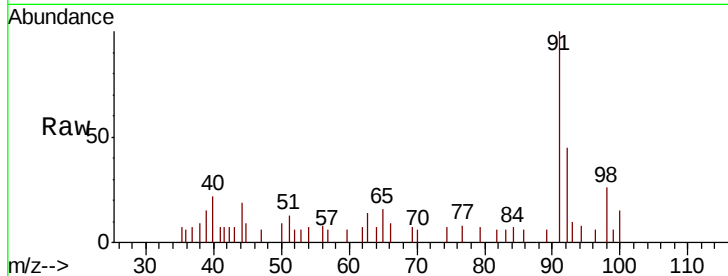
ETTN4

Tot Ion: 91 Resp: 3780

Ion Ratio Lower Upper

91 100

92 45.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

2000

1500

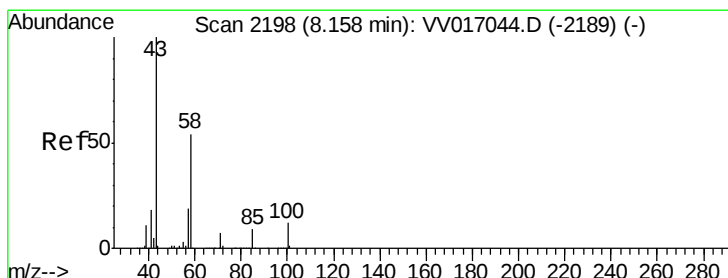
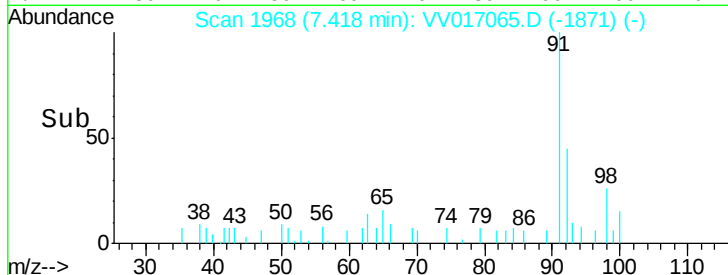
1000

500

0

7.35 7.40 7.45 7.50

Time-->



#50

2-Hexanone

Concen: 1.597 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.02 min

Lab File: VV017065.D

Acq: 23 Jun 2020 19:45

Tgt Ion: 43 Resp: 6850

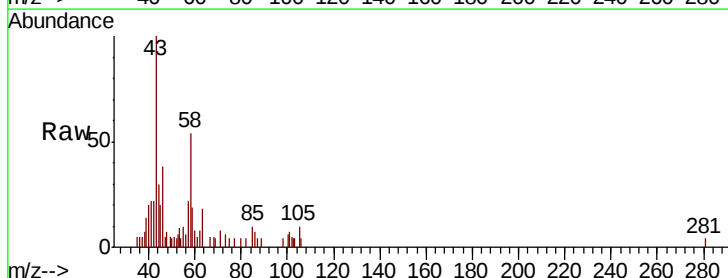
Ion Ratio Lower Upper

43 100

58 56.6 41.6 62.4

57 19.6 15.4 23.0

100 6.0 10.1 15.1#



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

10000

8000

6000

4000

2000

0

8.10 8.15 8.20 8.25

Time-->

