

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017071.D
 Acq On : 24 Jun 2020 15:05
 Operator : SY/MD
 Sample : L3093-01DL 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTNODL

Quant Time: Jun 25 01:18:45 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	177945	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	172559	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42143	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	35829	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.12	63	67385	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.92	46	122019	44.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.66%
24) Chloroform-d	4.37	84	108028	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.06	65	57993	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.07	84	205750	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.09	67	59683	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.33	98	184503	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
45) trans-1,3-Dichloropropene-	7.64	79	23174	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
48) 2-Hexanone-d5	8.11	63	89364	42.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.04%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41796	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	71849	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

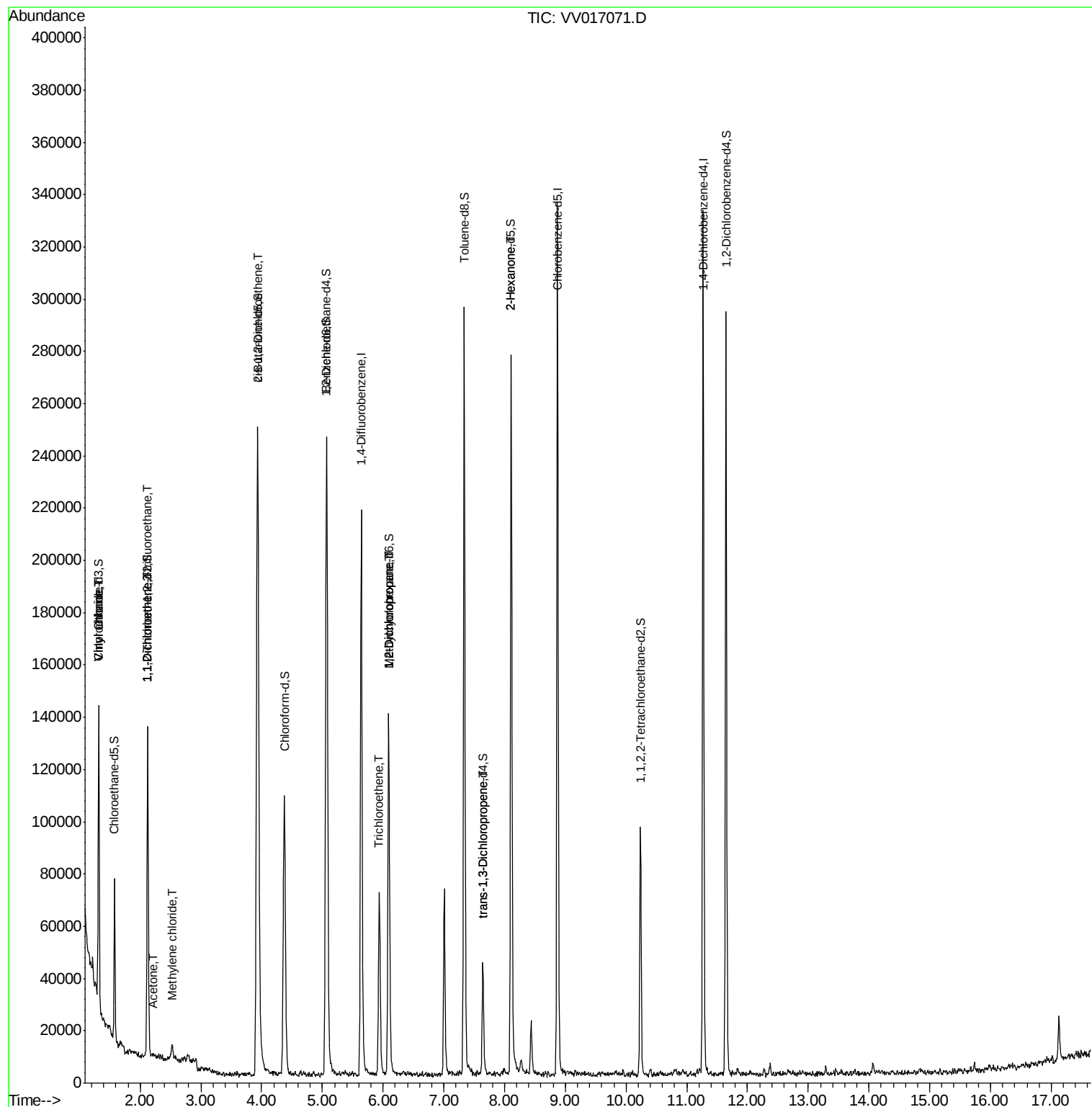
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	31687	2.714	ug/L	97
8) Chloroethane	1.32	64	10845	1.681	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	673	0.071	ug/L #	35
12) 1,1-Dichloroethene	2.13	96	1609	0.188	ug/L #	1
13) Acetone	2.22	43	4052	2.945	ug/L	59
16) Methylene chloride	2.52	84	2060	0.225	ug/L	88
22) cis-1,2-Dichloroethene	3.94	96	108057	8.731	ug/L	99
34) Trichloroethene	5.94	95	24380	1.842	ug/L	97
35) Methylcyclohexane	6.09	83	15979	0.777	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	7795	0.697	ug/L #	86
46) trans-1,3-Dichloropropene	7.64	75	1710	0.119	ug/L	97
50) 2-Hexanone	8.11	43	10756	2.340	ug/L #	71

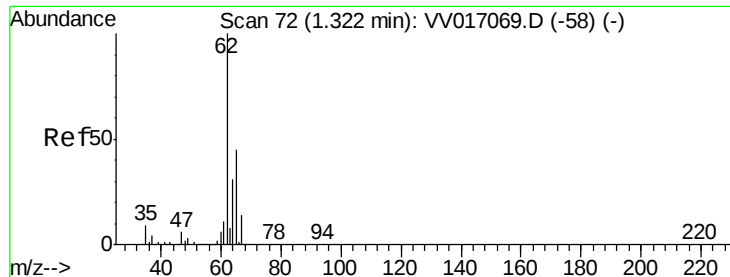
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 2.714 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017071.D

Acq: 24 Jun 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

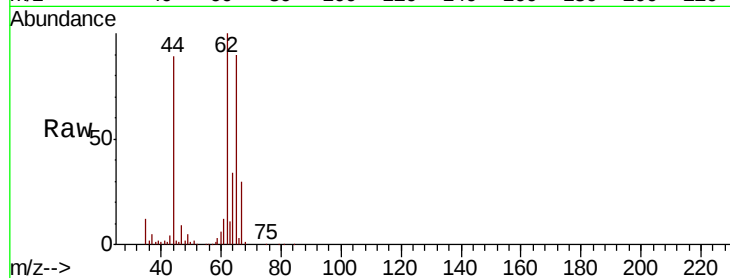
ETTNODL

Tot Ion: 62 Resp: 31687

Ion Ratio Lower Upper

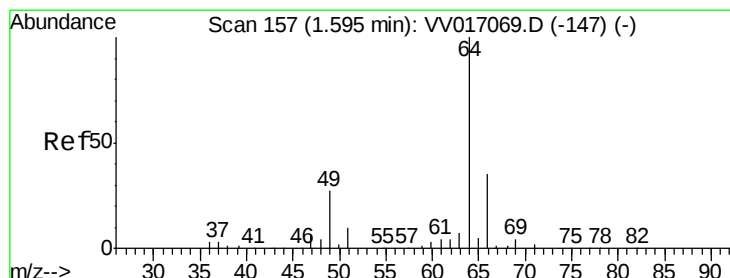
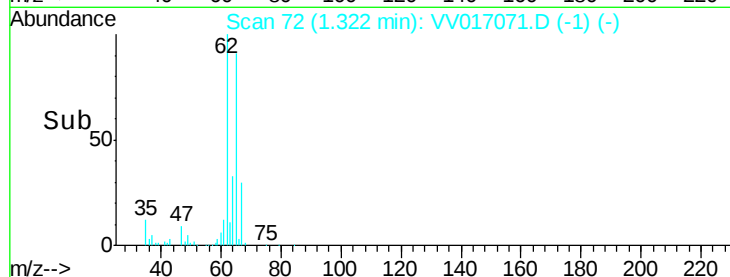
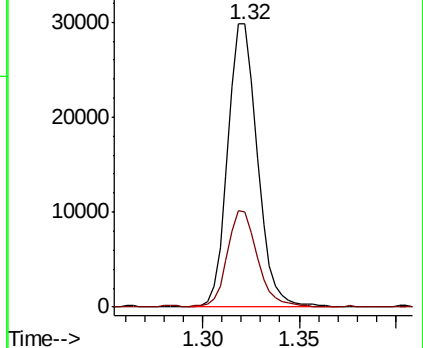
62 100

64 33.5 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: 1.681 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017071.D

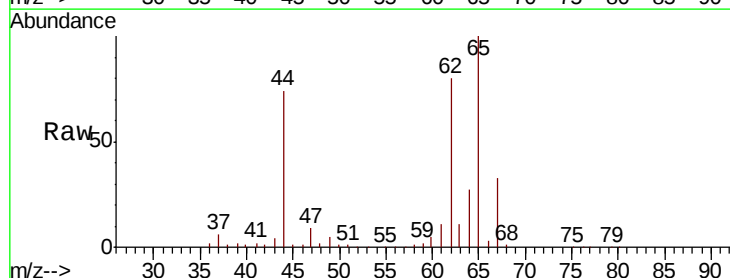
Acq: 24 Jun 2020 15:05

Tgt Ion: 64 Resp: 10845

Ion Ratio Lower Upper

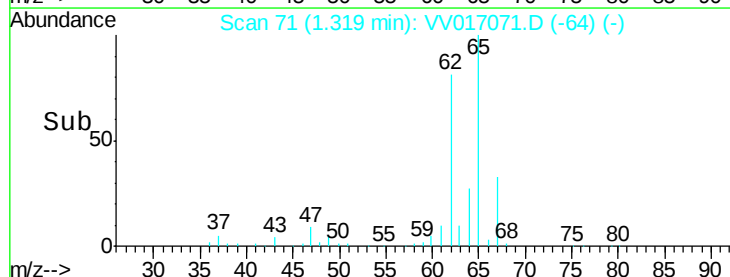
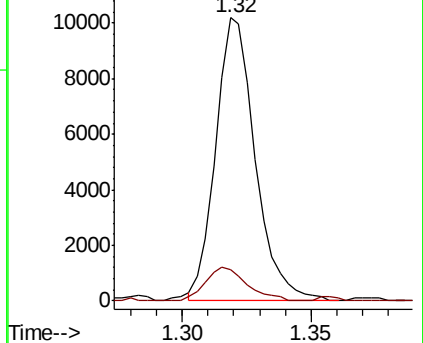
64 100

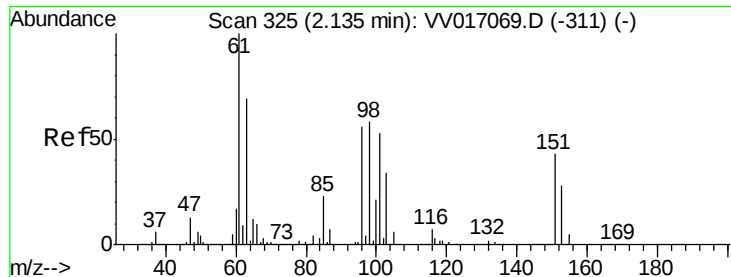
66 11.1 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.071 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017071.D

Acq: 24 Jun 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

ETTNODL

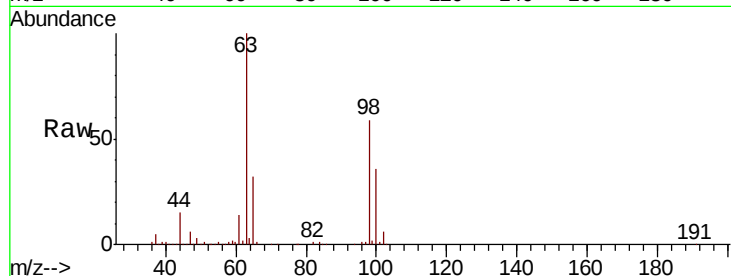
Tot Ion:101 Resp: 673

Ion Ratio Lower Upper

101 100

85 16.0 35.4 53.2#

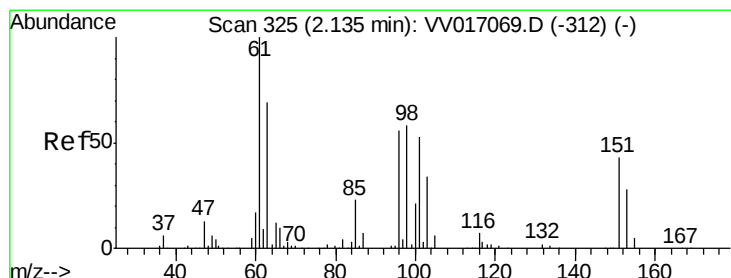
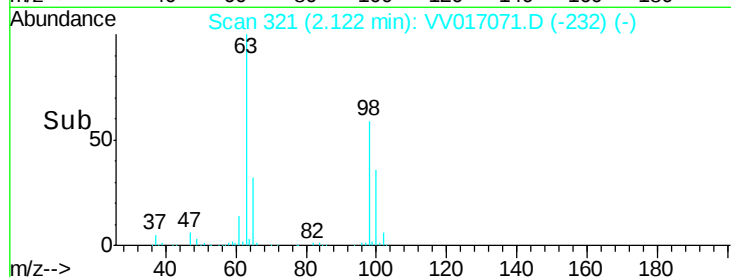
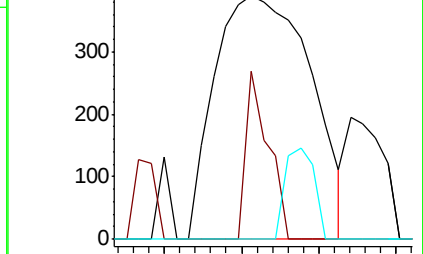
151 11.4 63.9 95.9#



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: VV017071.D

Acq: 24 Jun 2020 15:05

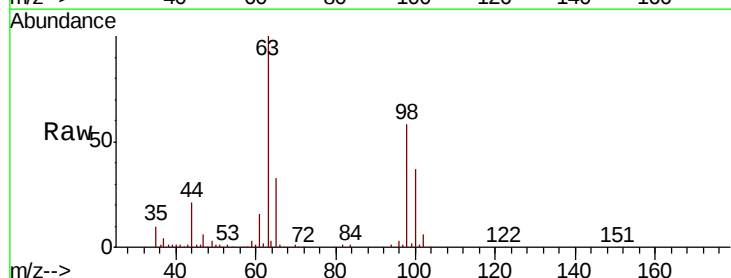
Tgt Ion: 96 Resp: 1609

Ion Ratio Lower Upper

96 100

61 567.1 125.0 232.2#

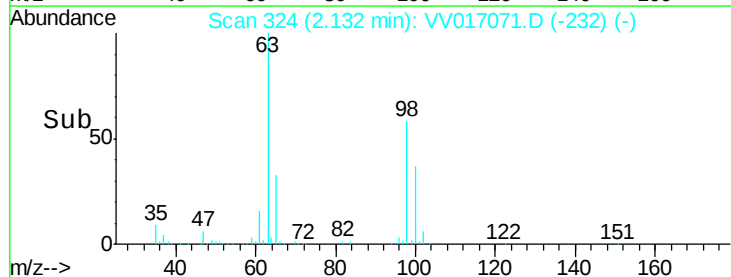
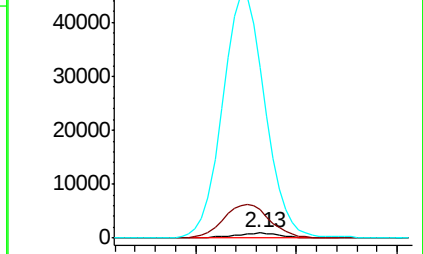
63 3454.7 109.8 203.8#

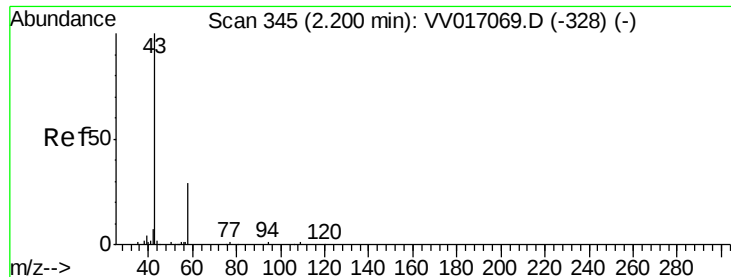


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.945 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.02 min

Lab File: VV017071.D

Acq: 24 Jun 2020 15:05

Instrument :

MSVOA_V

ClientSampled :

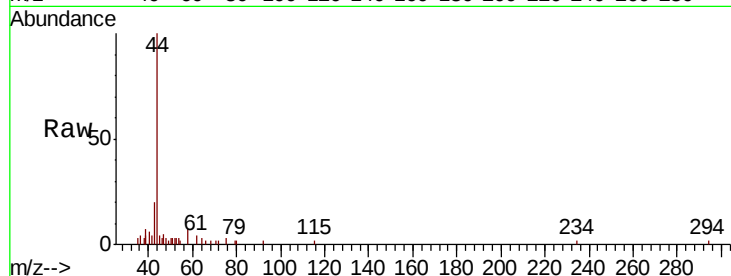
ETTNODL

Tot Ion: 43 Resp: 4052

Ion Ratio Lower Upper

43 100

58 7.2 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

1000

800

600

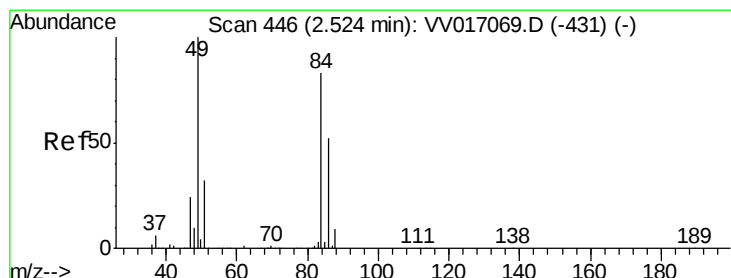
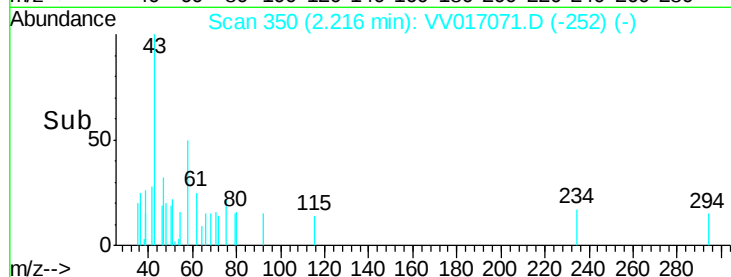
400

200

0

Time-->

2.10 2.15 2.20 2.25 2.30



#16

Methylene chloride

Concen: 0.225 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017071.D

Acq: 24 Jun 2020 15:05

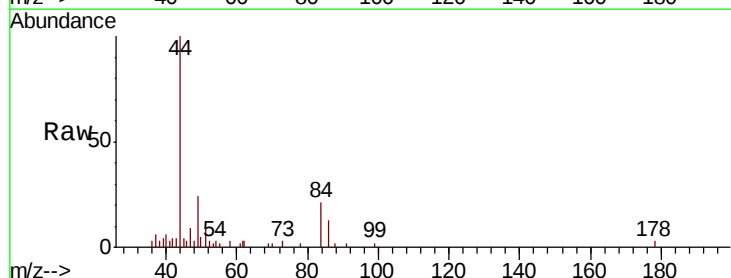
Tgt Ion: 84 Resp: 2060

Ion Ratio Lower Upper

84 100

86 59.5 45.8 85.0

49 112.3 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2000

1500

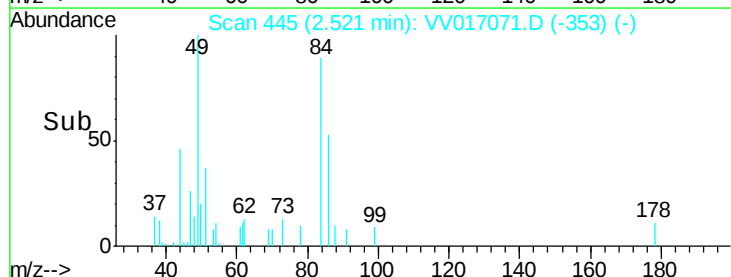
1000

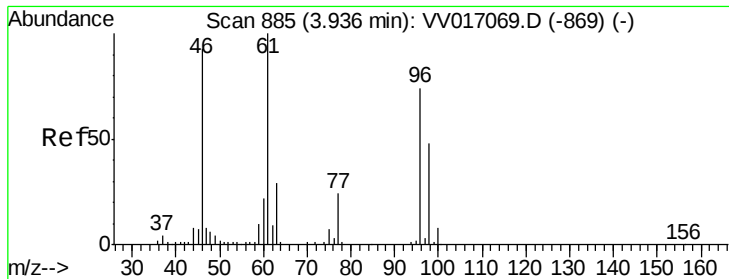
500

0

Time-->

2.50 2.55



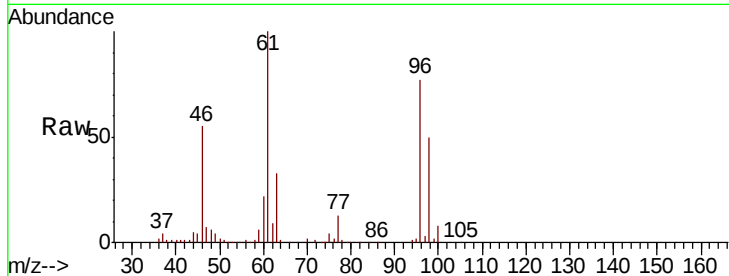


#22

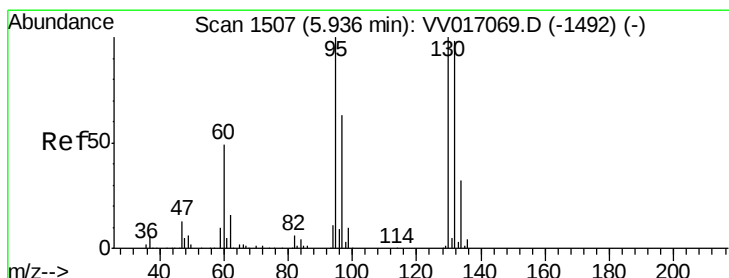
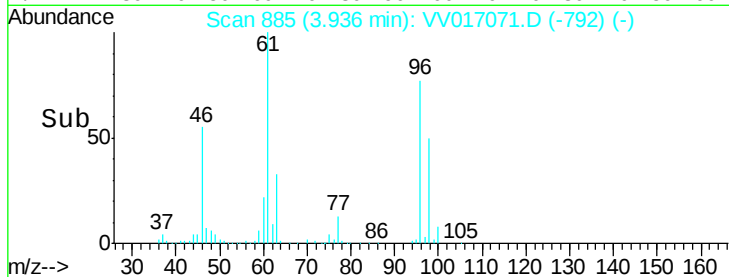
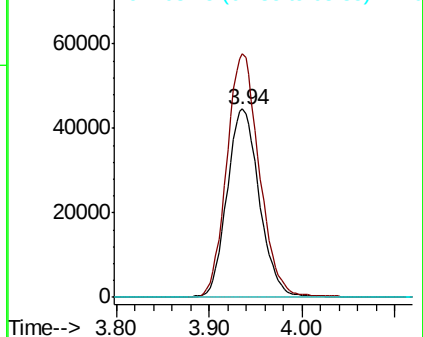
cis-1,2-Dichloroethene
Concen: 8.731 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017071.D
Acq: 24 Jun 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :
ETTNODL

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	91.0	169.0
68	0.0	0.0	0.0



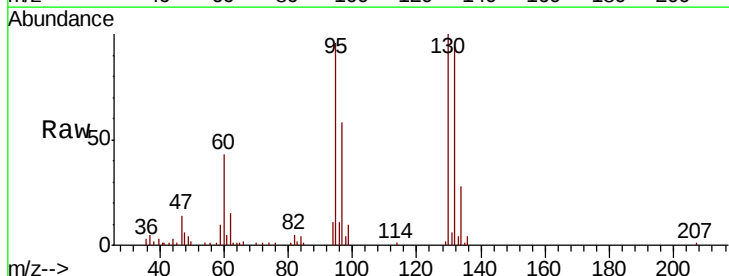
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



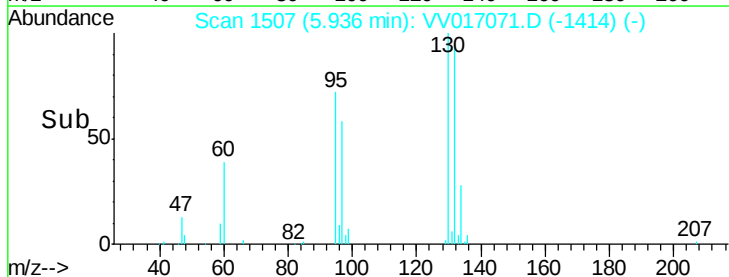
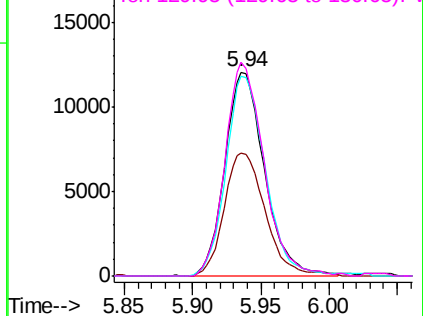
#34

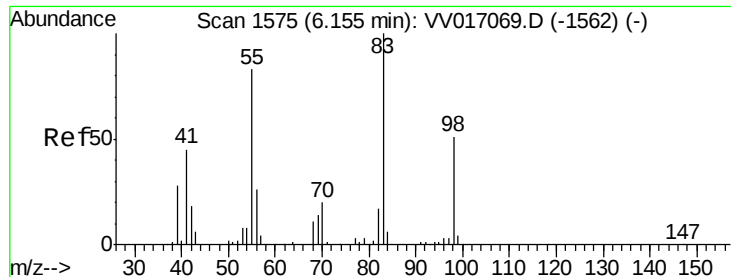
Trichloroethene
Concen: 1.842 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV017071.D
Acq: 24 Jun 2020 15:05

Tgt Ion	Ratio	Lower	Upper
95	100		
97	60.5	45.3	84.1
132	98.2	68.8	127.8
130	104.7	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): VV0
Ion 129.95 (129.65 to 130.65): VV0

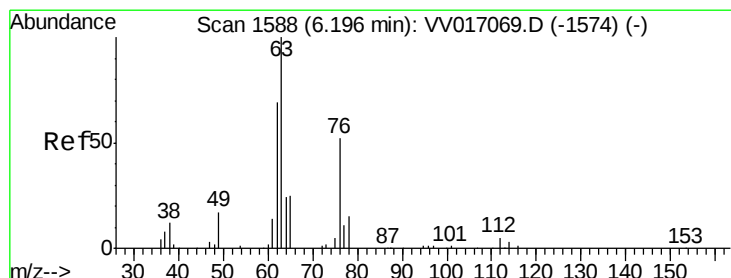
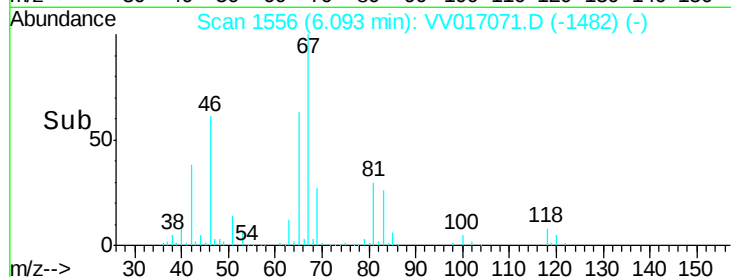
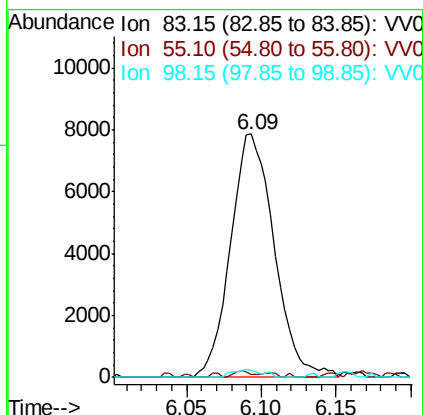
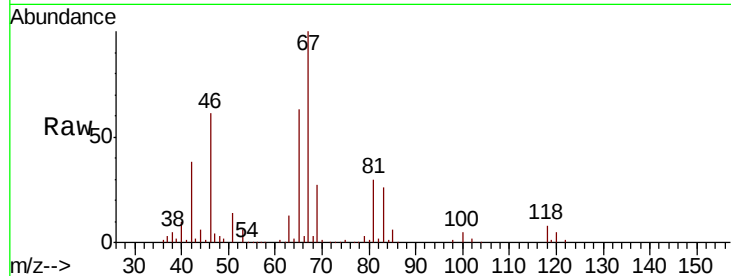




#35
Methvlcvclohexane
Concen: 0.777 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017071.D
Acq: 24 Jun 2020 15:05

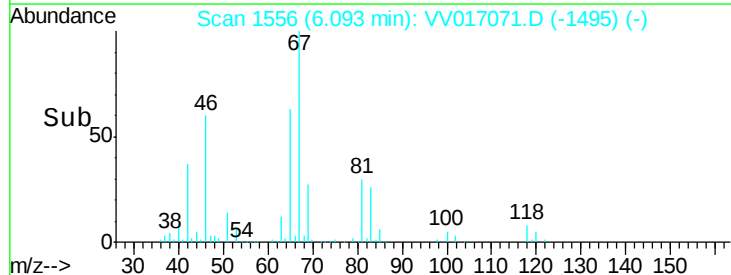
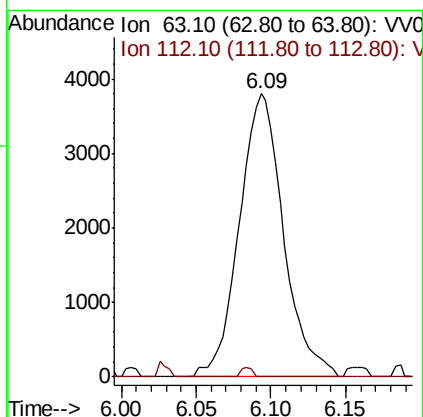
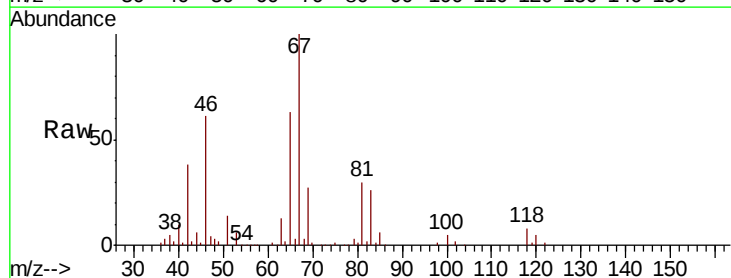
Instrument :
MSVOA_V
ClientSampleId :
ETTN0DL

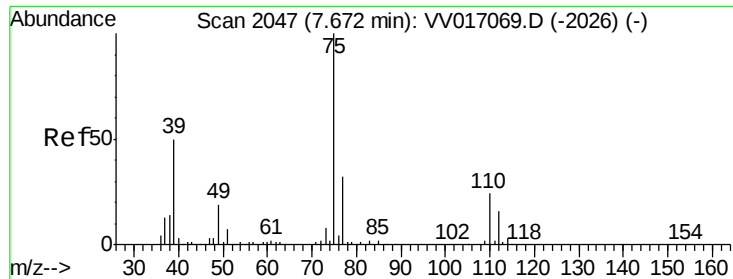
Tot Ion: 83 Resp: 15979
Ion Ratio Lower Upper
83 100
55 1.0 63.6 95.4#
98 2.1 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.697 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017071.D
Acq: 24 Jun 2020 15:05

Tgt Ion: 63 Resp: 7795
Ion Ratio Lower Upper
63 100
112 0.8 4.4 6.6#

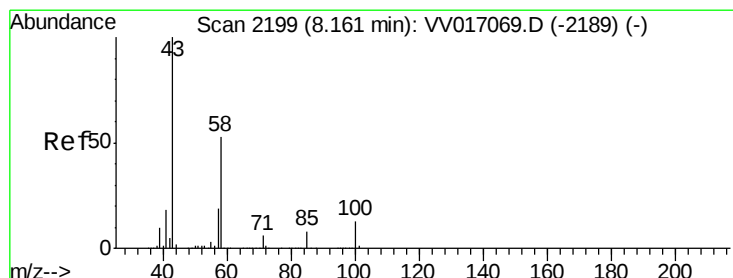
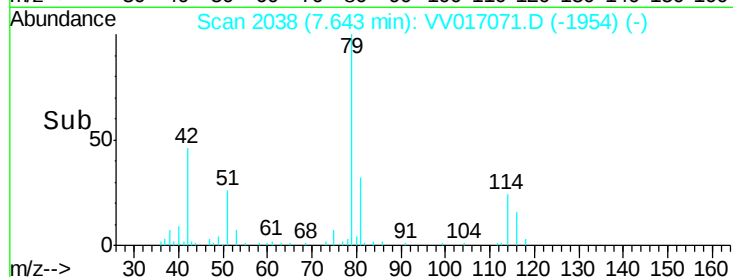
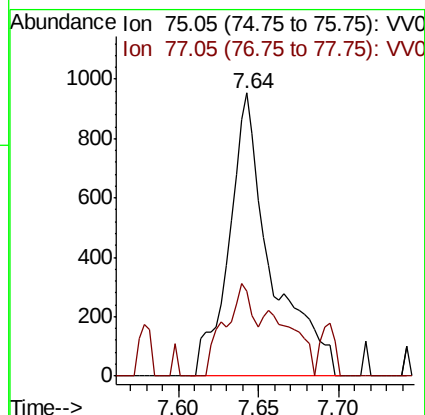
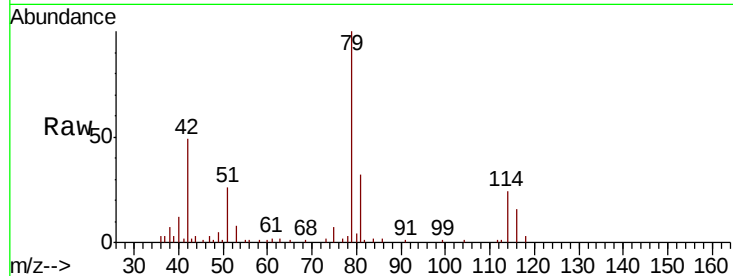




#46
trans-1,3-Dichloropropene
Concen: 0.119 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV017071.D
Acq: 24 Jun 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :
ETTNODL

Tot Ion: 75 Resp: 1710
Ion Ratio Lower Upper
75 100
77 30.0 22.3 41.3



#50
2-Hexanone
Concen: 2.340 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV017071.D
Acq: 24 Jun 2020 15:05

Tgt Ion: 43 Resp: 10756
Ion Ratio Lower Upper
43 100
58 30.8 41.6 62.4#
57 32.9 15.4 23.0#
100 3.0 10.1 15.1#

