

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017322.D
 Acq On : 02 Jul 2020 21:49
 Operator : SY/MD
 Sample : L3154-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4294

Quant Time: Jul 03 06:19:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	164043	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	159382	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42572	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	34406	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.13	63	66633	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	3.93	46	99505	39.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.32%
24) Chloroform-d	4.38	84	92923	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.06	65	51505	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.08	84	169885	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.10	67	48339	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.00%
41) Toluene-d8	7.34	98	158450	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
45) trans-1,3-Dichloropropene-	7.64	79	19230	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
48) 2-Hexanone-d5	8.11	63	70166	35.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.44%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35514	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	61877	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

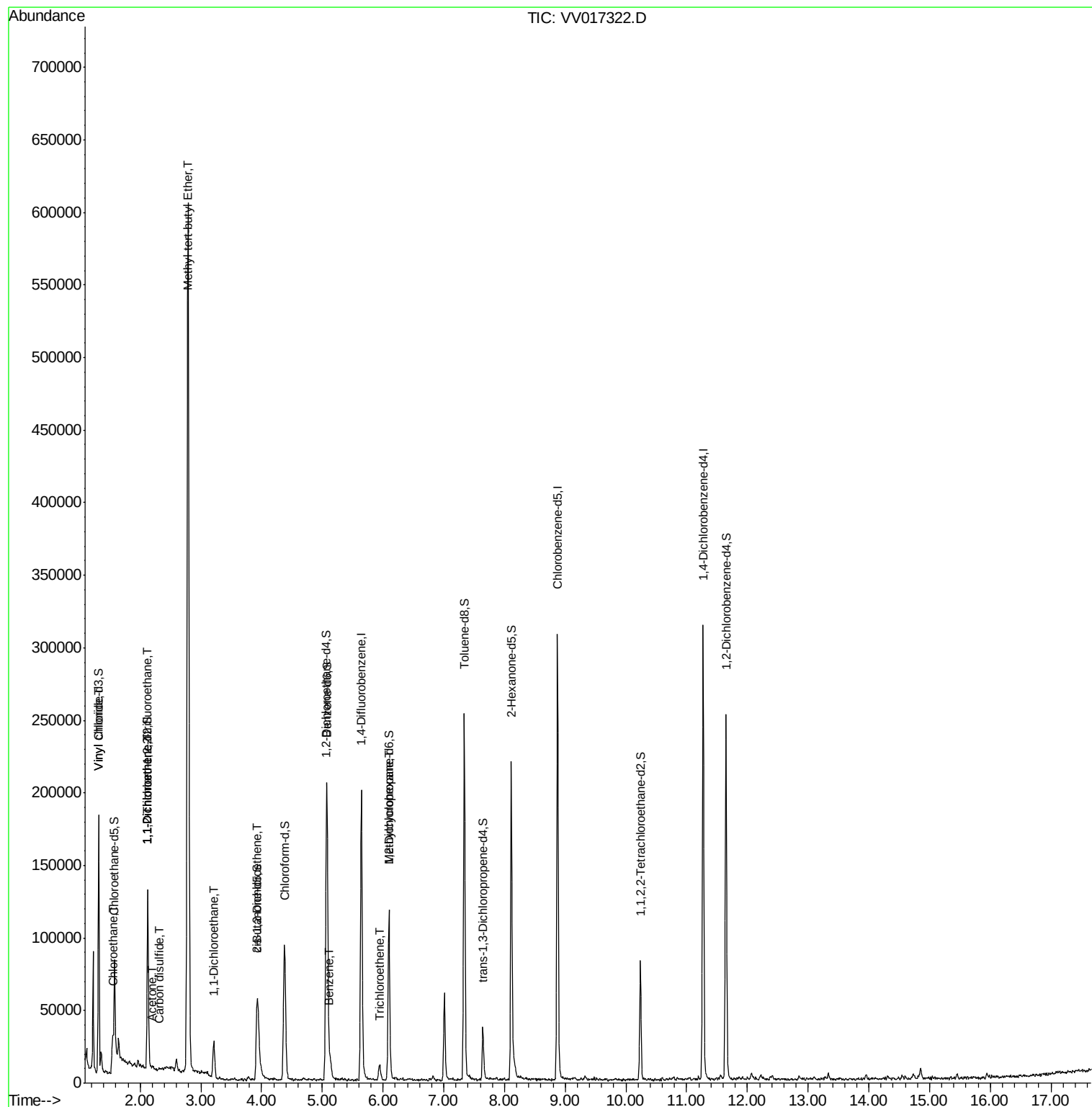
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	18197	1.690	ug/L	92
8) Chloroethane	1.55	64	60028	10.090	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	717	0.083	ug/L #	23
12) 1,1-Dichloroethene	2.13	96	764	0.097	ug/L #	1
13) Acetone	2.21	43	1891	1.491	ug/L	57
14) Carbon disulfide	2.32	76	1976	0.084	ug/L #	88
17) Methyl tert-butyl Ether	2.79	73	591599	29.927	ug/L	99
19) 1,1-Dichloroethane	3.21	63	24353	1.299	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	3929	0.344	ug/L	91
33) Benzene	5.13	78	13542	0.324	ug/L	100
34) Trichloroethene	5.95	95	3053	0.250	ug/L	96
35) Methylcyclohexane	6.09	83	13769	0.725	ug/L #	18

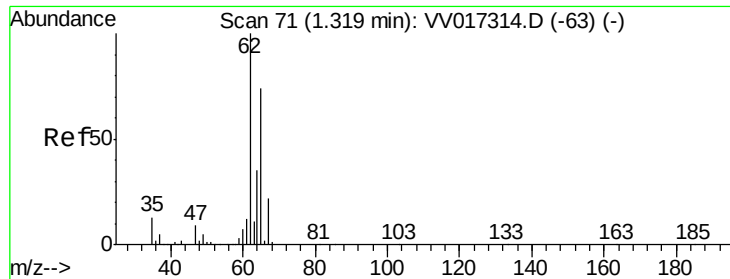
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.690 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017322.D

Acq: 02 Jul 2020 21:49

Instrument :

MSVOA_V

ClientSampleId :

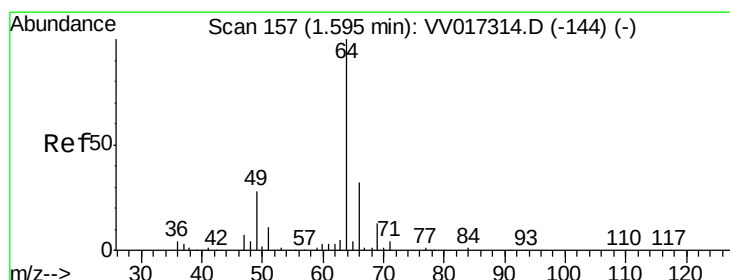
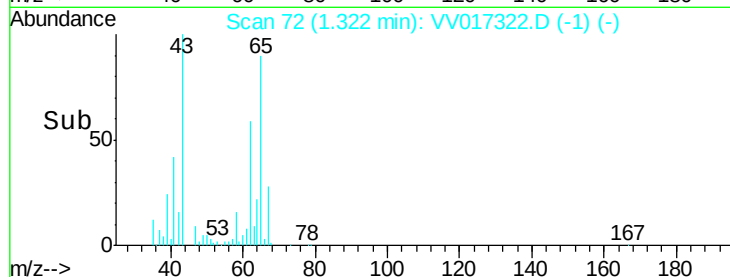
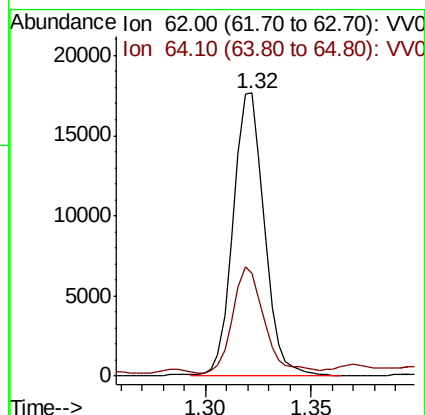
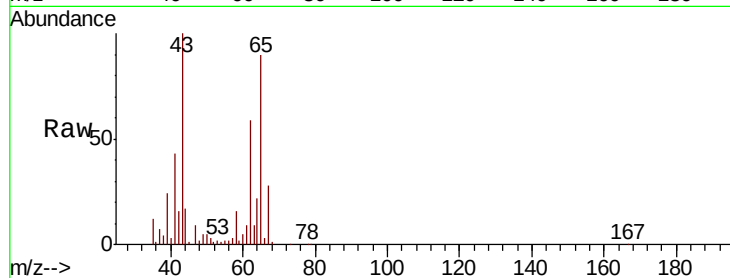
H4294

Tot Ion: 62 Resp: 18197

Ion Ratio Lower Upper

62 100

64 36.5 22.5 41.7



#8

Chloroethane

Concen: 10.090 ug/L

RT: 1.55 min Scan# 144

Delta R.T. -0.04 min

Lab File: VV017322.D

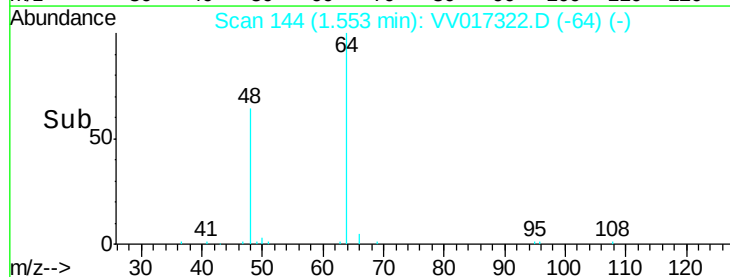
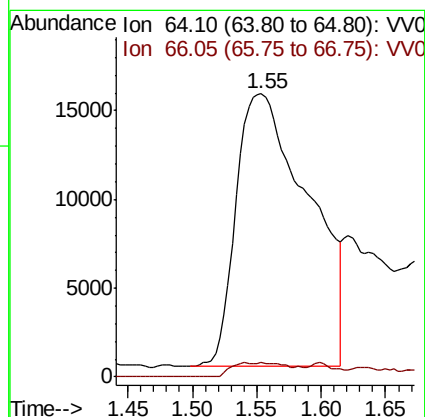
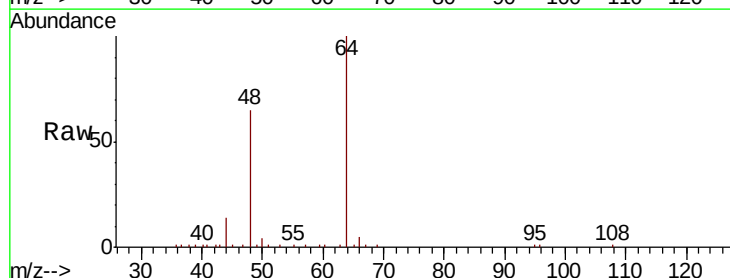
Acq: 02 Jul 2020 21:49

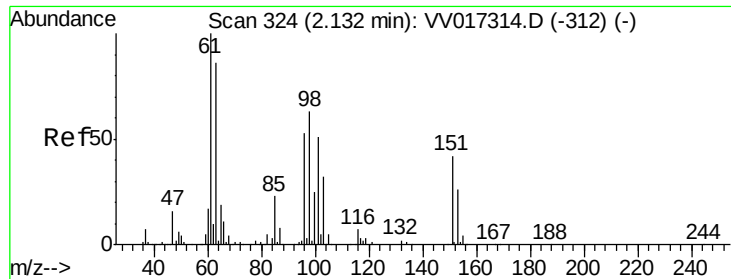
Tgt Ion: 64 Resp: 60028

Ion Ratio Lower Upper

64 100

66 5.0 22.8 42.4#





#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017322.D

Acq: 02 Jul 2020 21:49

Instrument :

MSVOA_V

ClientSampled :

H4294

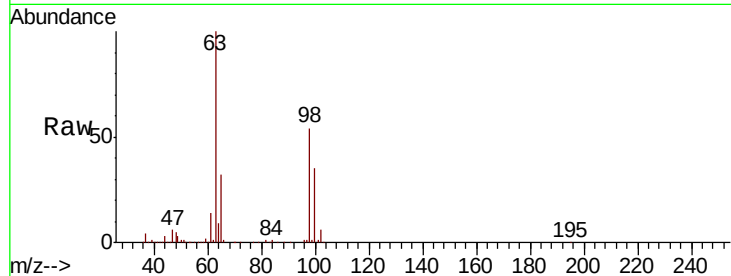
Tot Ion:101 Resp: 717

Ion Ratio Lower Upper

101 100

85 2.8 35.4 53.2#

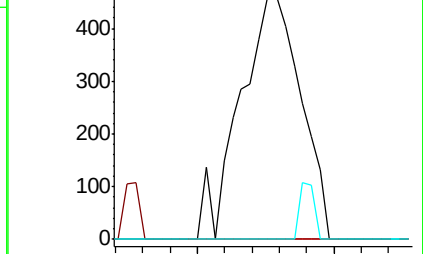
151 5.7 63.9 95.9#



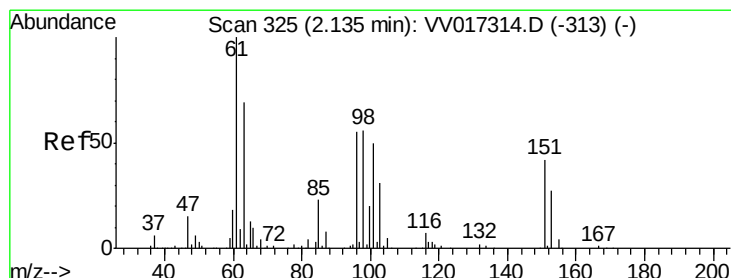
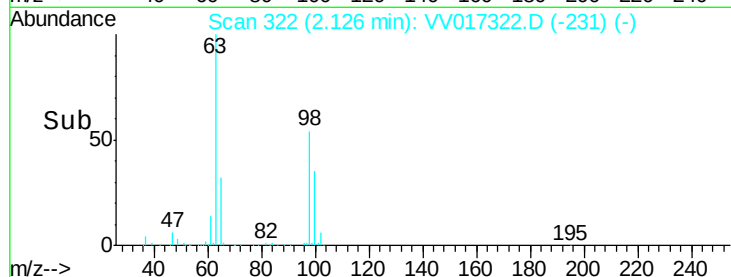
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017322.D

Acq: 02 Jul 2020 21:49

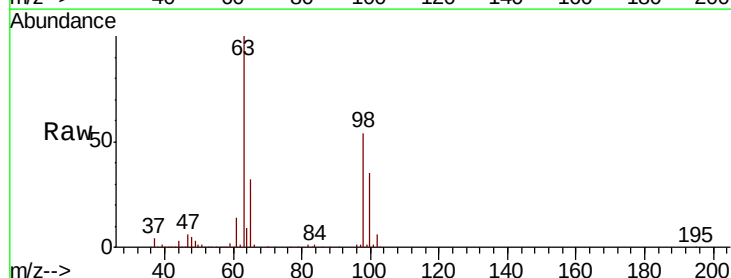
Tgt Ion: 96 Resp: 764

Ion Ratio Lower Upper

96 100

61 1211.8 125.0 232.2#

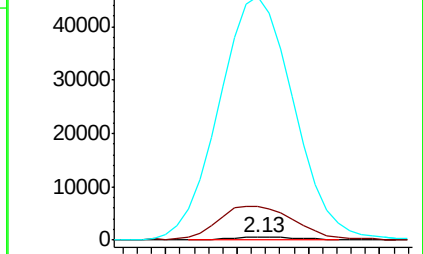
63 8670.7 109.8 203.8#



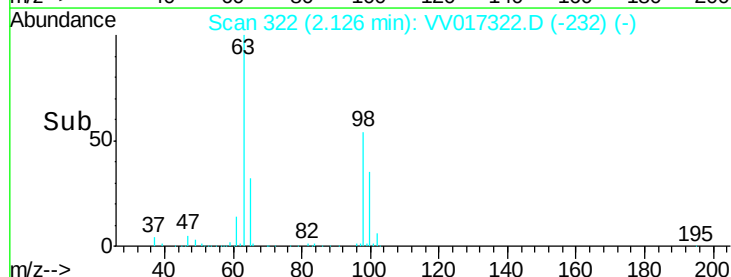
Abundance Ion 96.00 (95.70 to 96.70): VV0

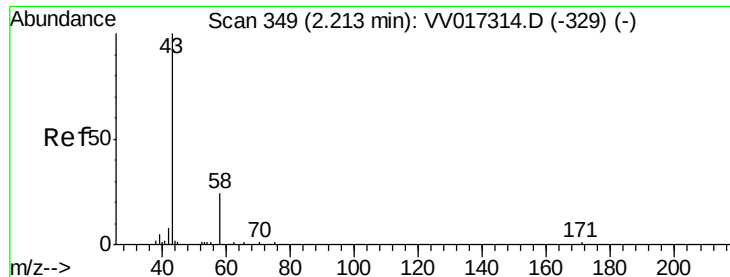
Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->





#13

Acetone

Concen: 1.491 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV017322.D

Acq: 02 Jul 2020 21:49

Instrument :

MSVOA_V

ClientSampled :

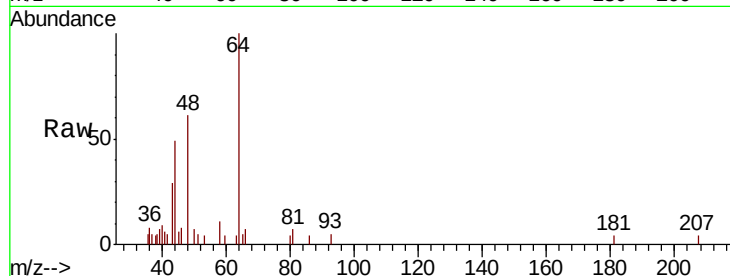
H4294

Tot Ion: 43 Resp: 1891

Ion Ratio Lower Upper

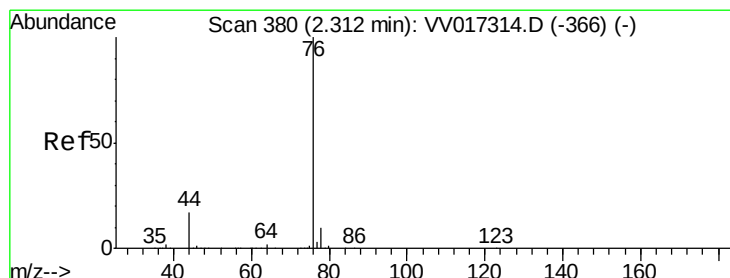
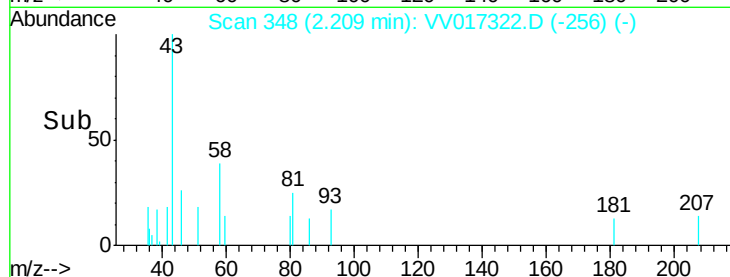
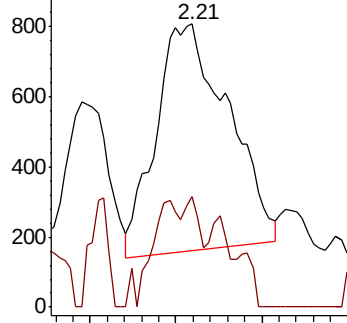
43 100

58 6.1 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.084 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV017322.D

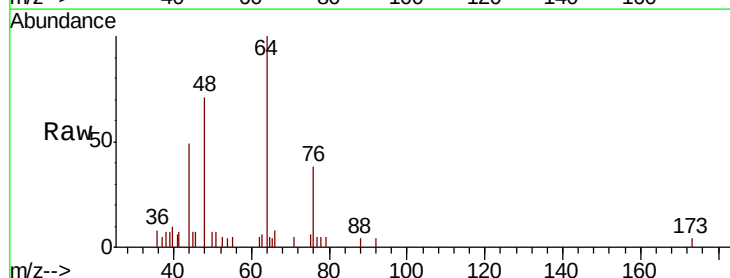
Acq: 02 Jul 2020 21:49

Tgt Ion: 76 Resp: 1976

Ion Ratio Lower Upper

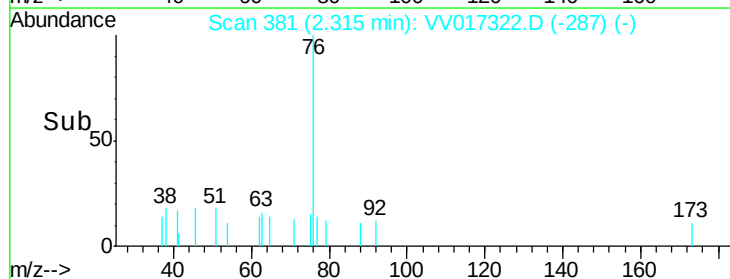
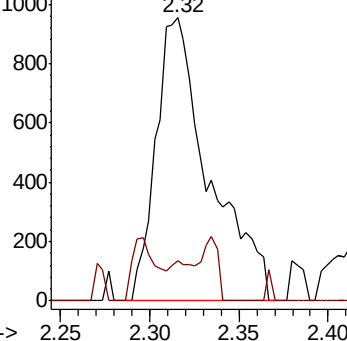
76 100

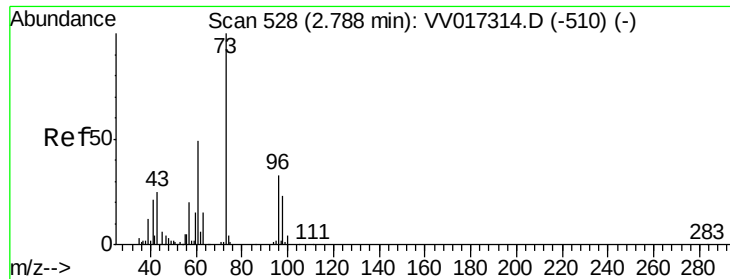
78 14.2 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

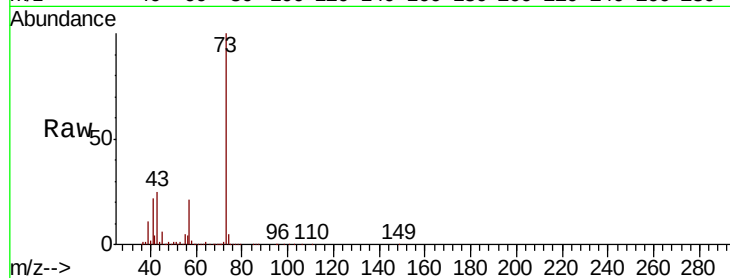




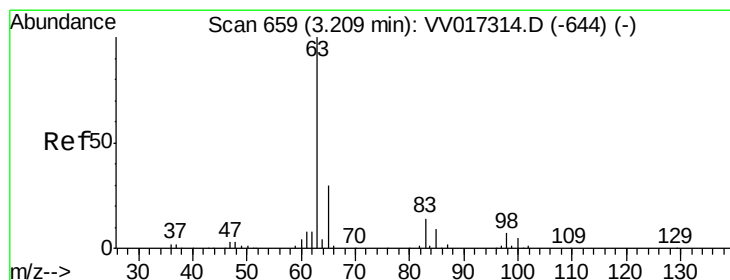
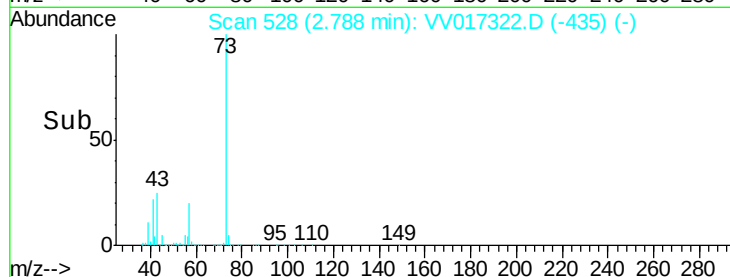
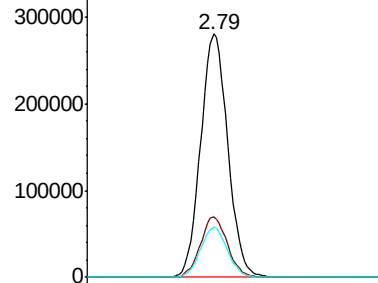
#17
Methvl tert-butyl Ether
Concen: 29.927 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017322.D
Acq: 02 Jul 2020 21:49

Instrument :
MSVOA_V
ClientSampleId :
H4294

Tot Ion:	73	Resp:	591599
Ion	Ratio	Lower	Upper
73	100		
43	24.5	18.6	28.0
57	20.5	16.4	24.6

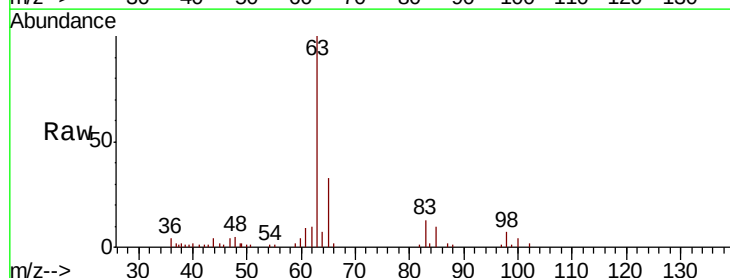


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

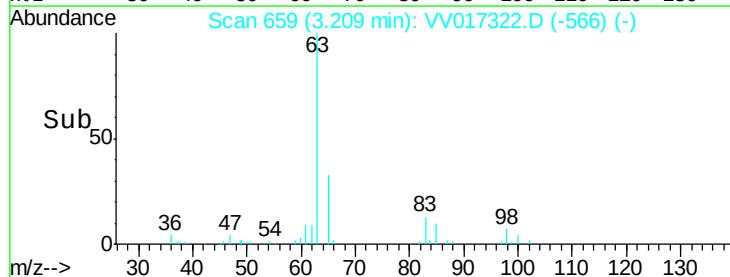
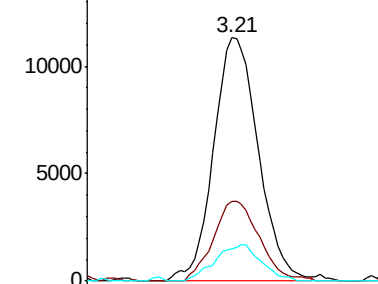


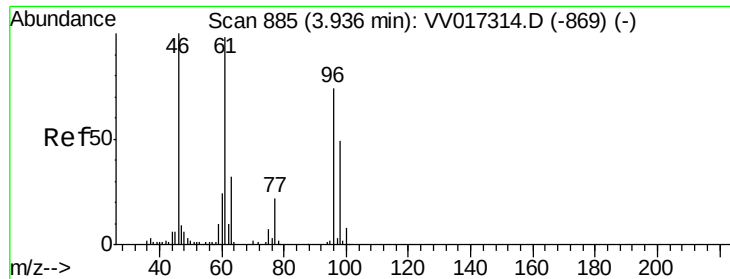
#19
1,1-Dichloroethane
Concen: 1.299 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV017322.D
Acq: 02 Jul 2020 21:49

Tgt Ion:	63	Resp:	24353
Ion	Ratio	Lower	Upper
63	100		
65	32.8	21.8	40.4
83	13.2	9.7	17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0

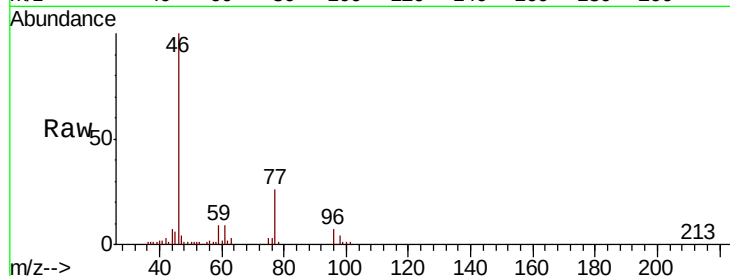




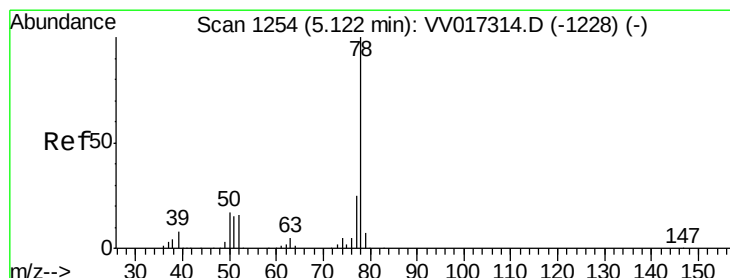
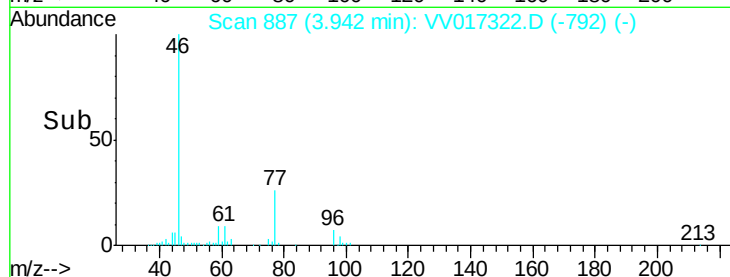
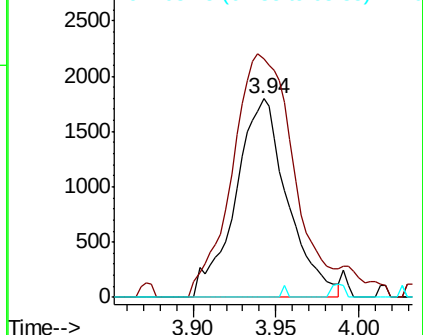
#22
 cis-1,2-Dichloroethene
 Concen: 0.344 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017322.D
 Acq: 02 Jul 2020 21:49

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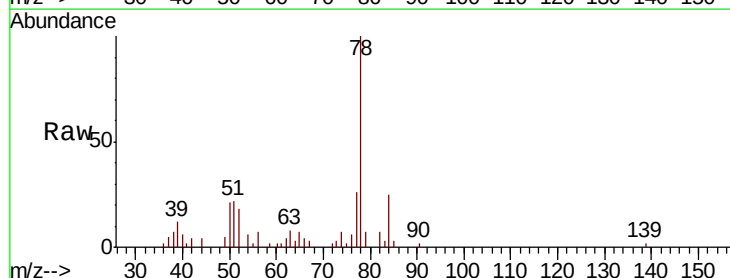
Tot Ion: 96 Resp: 3929
 Ion Ratio Lower Upper
 96 100
 61 119.9 91.0 169.0
 68 0.0 0.0 0.0



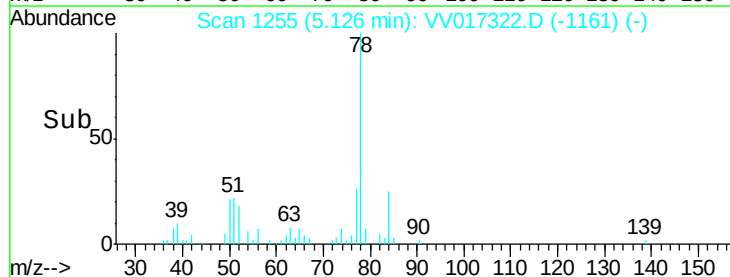
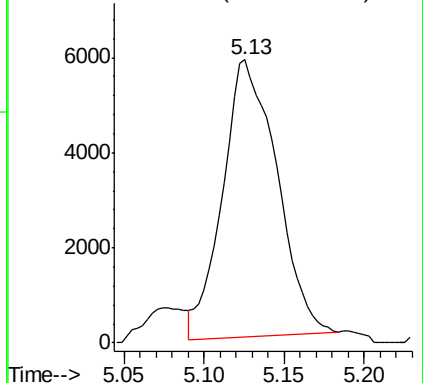
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

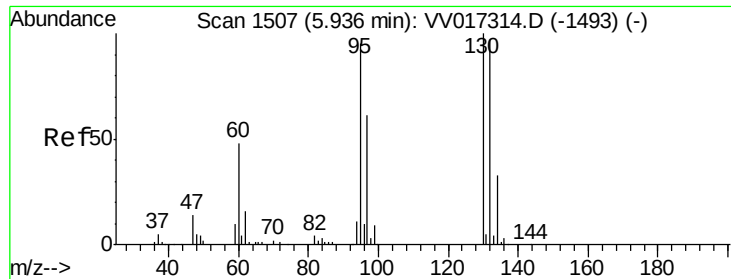


#33
 Benzene
 Concen: 0.324 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV017322.D
 Acq: 02 Jul 2020 21:49
 Tgt Ion: 78 Resp: 13542



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.250 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017322.D

Acq: 02 Jul 2020 21:49

Instrument :

MSVOA_V

ClientSampleId :

H4294

Tot Ion: 95 Resp: 3053

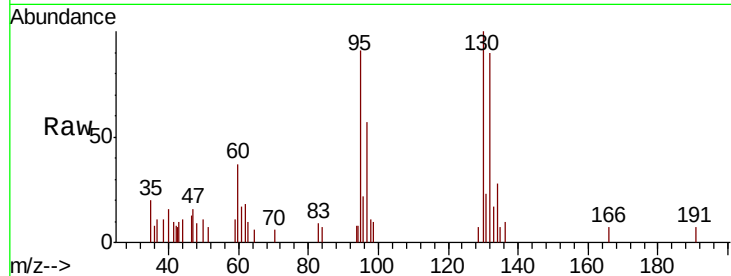
Ion Ratio Lower Upper

95 100

97 62.3 45.3 84.1

132 98.2 68.8 127.8

130 109.5 70.2 130.4

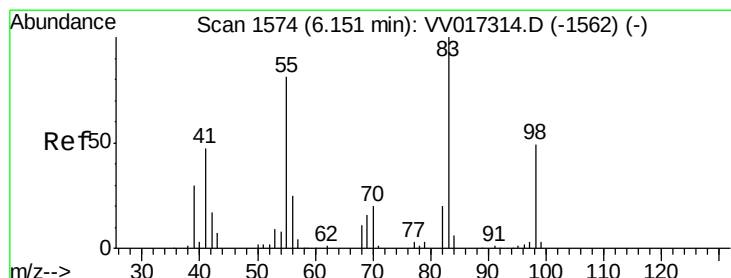
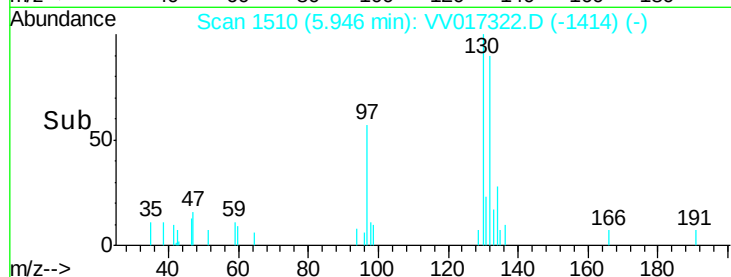
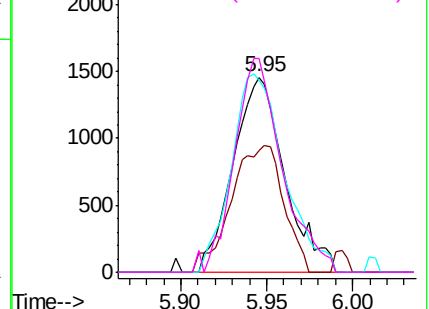


Abundance Ion 95.00 (94.70 to 95.70): VV017314.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV017314.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV017314.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV017314.D (-1493) (-)



#35

Methylcyclohexane

Concen: 0.725 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017322.D

Acq: 02 Jul 2020 21:49

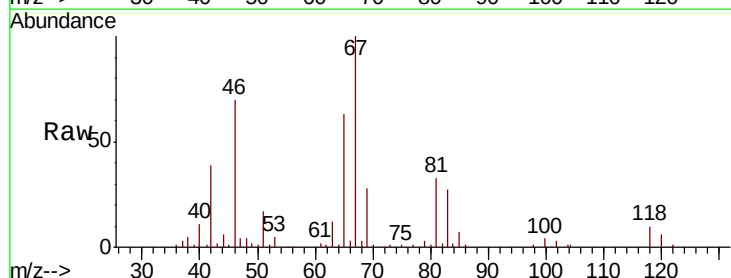
Tgt Ion: 83 Resp: 13769

Ion Ratio Lower Upper

83 100

55 0.7 63.6 95.4#

98 1.2 38.8 58.2#



Abundance Ion 83.15 (82.85 to 83.85): VV017314.D (-1562) (-)

Ion 55.10 (54.80 to 55.80): VV017314.D (-1562) (-)

Ion 98.15 (97.85 to 98.85): VV017314.D (-1562) (-)

