

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017345.D
 Acq On : 06 Jul 2020 12:29
 Operator : SY/MD
 Sample : L3154-15MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4288MS

Quant Time: Jul 07 01:17:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	173733	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	164390	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	83305	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38978	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.58	69	33705	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.13	63	85063	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.95	46	114416	43.05	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.10%
24) Chloroform-d	4.38	84	100079	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.06	65	56385	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.08	84	178358	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.09	67	51964	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	7.34	98	152709	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
45) trans-1,3-Dichloropropene-	7.64	79	19652	3.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.00%
48) 2-Hexanone-d5	8.11	63	80181	39.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.14%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39595	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	67529	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	309164	27.119	ug/L	100
8) Chloroethane	1.55	64	85028	13.496	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3102	0.337	ug/L #	80
12) 1,1-Dichloroethene	2.14	96	42972	5.154	ug/L	84
14) Carbon disulfide	2.31	76	1948	0.078	ug/L #	80
16) Methylene chloride	2.52	84	1687	0.189	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	25884	2.930	ug/L	94
19) 1,1-Dichloroethane	3.21	63	125893	6.341	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	84932	7.029	ug/L	98
30) Cyclohexane	4.69	56	1650	0.088	ug/L #	33
33) Benzene	5.13	78	224914	5.224	ug/L	100
34) Trichloroethene	5.94	95	59055	4.685	ug/L	97
35) Methylcyclohexane	6.10	83	14094	0.719	ug/L #	18
42) Toluene	7.41	91	222576	4.447	ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	1120	0.082	ug/L	87
50) 2-Hexanone	8.16	43	2153	0.492	ug/L #	80
53) Chlorobenzene	8.90	112	150087	4.810	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:14:17 2020
Response via : Initial Calibration

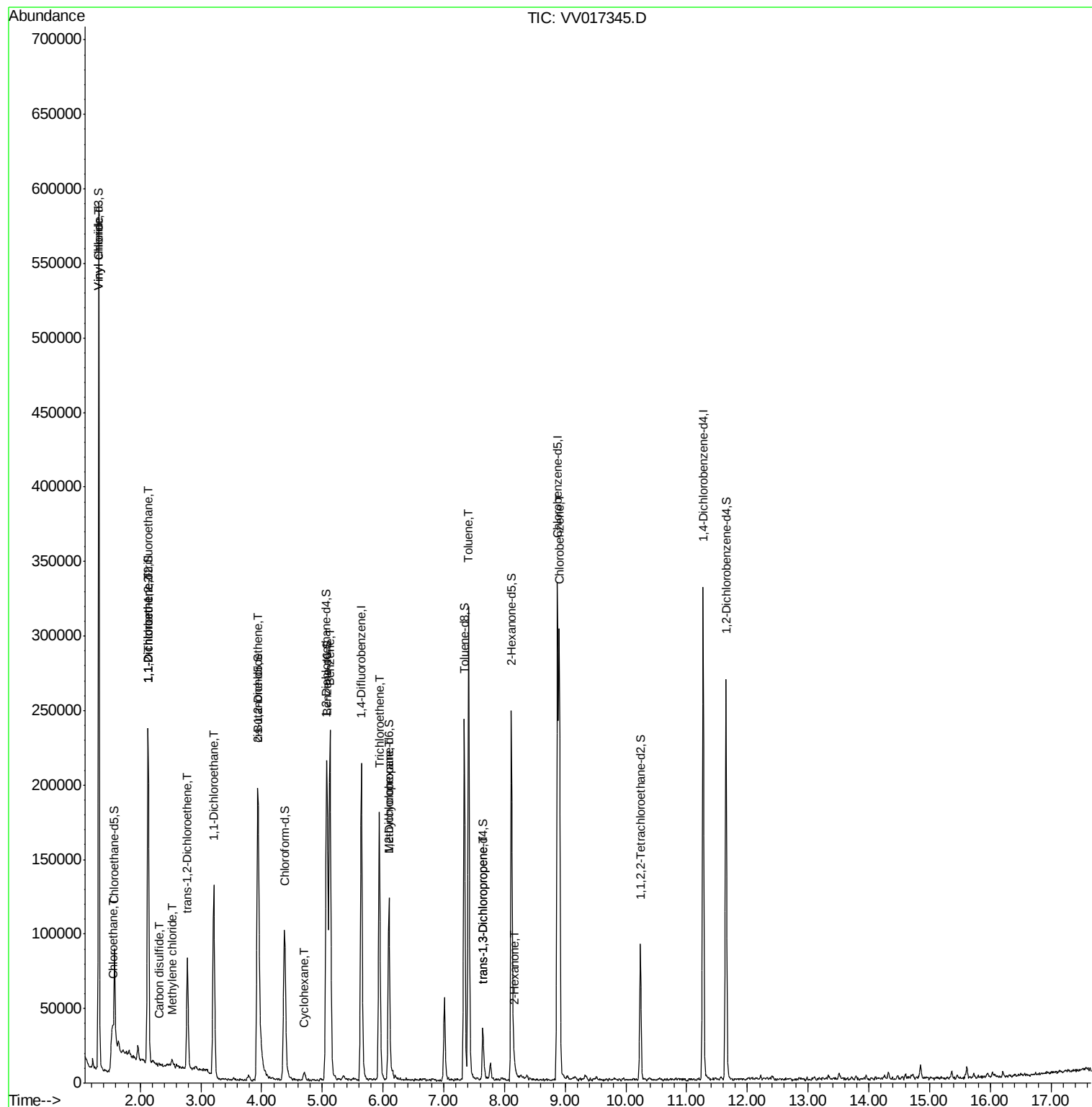
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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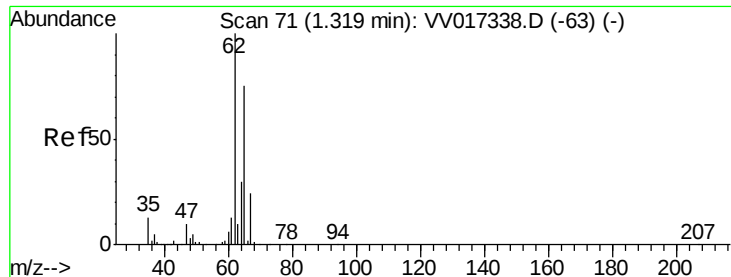
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 27.119 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

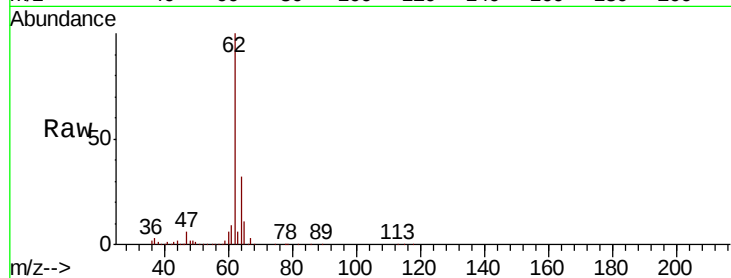
H4288MS

Tot Ion: 62 Resp: 309164

Ion Ratio Lower Upper

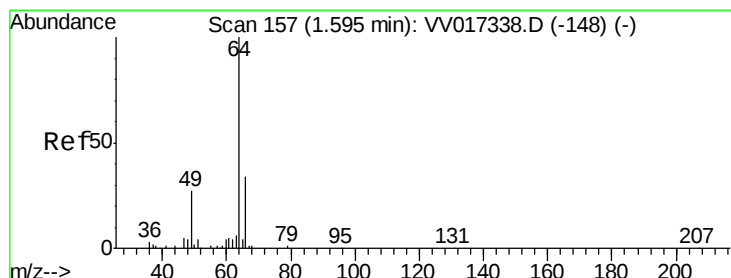
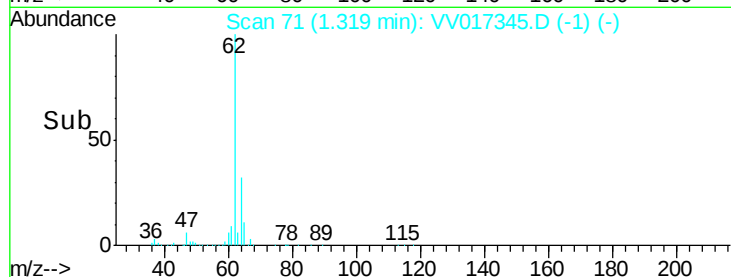
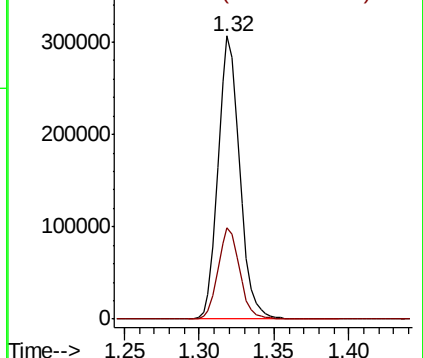
62 100

64 32.4 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: 13.496 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.04 min

Lab File: VV017345.D

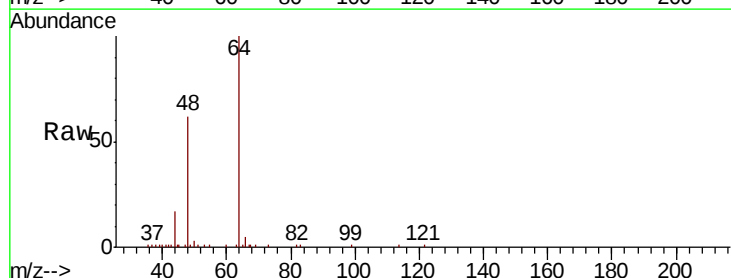
Acq: 06 Jul 2020 12:29

Tgt Ion: 64 Resp: 85028

Ion Ratio Lower Upper

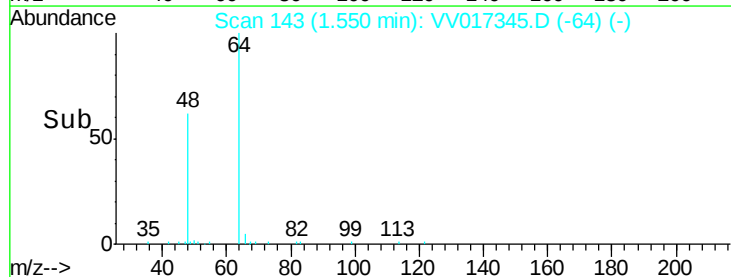
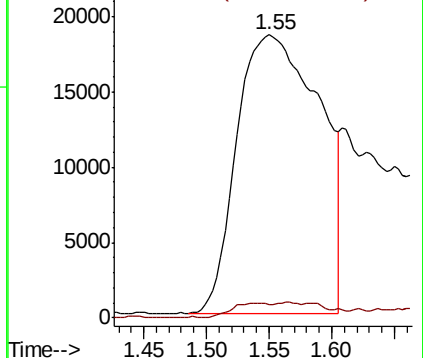
64 100

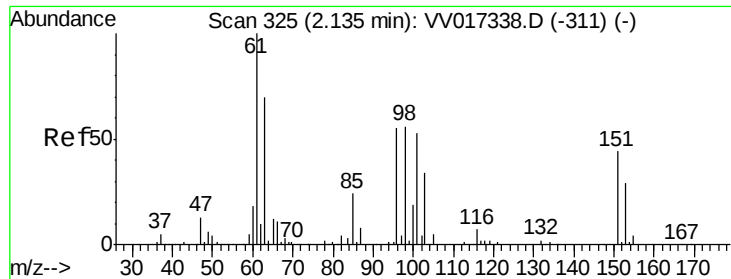
66 4.8 22.8 42.4#



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: 0.337 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

H4288MS

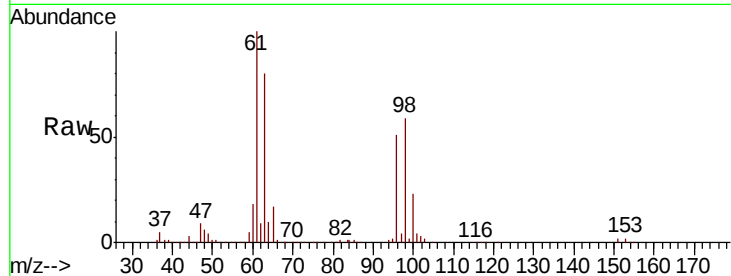
Tot Ion:101 Resp: 3102

Ion Ratio Lower Upper

101 100

85 33.8 35.4 53.2#

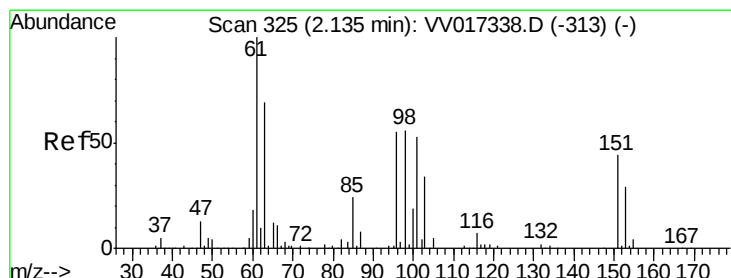
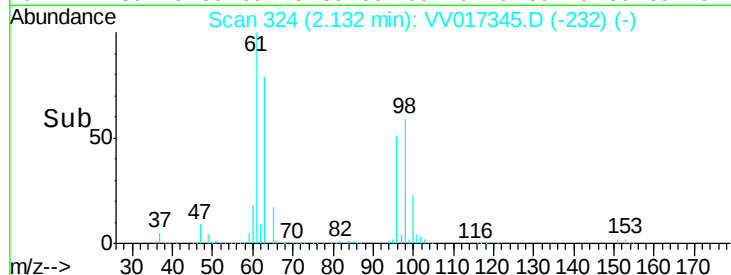
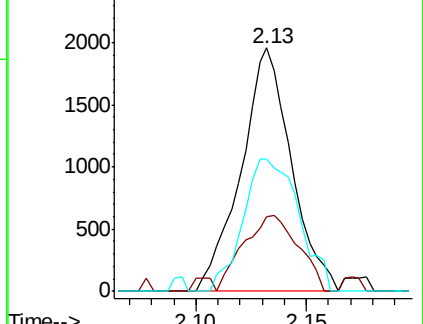
151 60.0 63.9 95.9#



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: 5.154 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

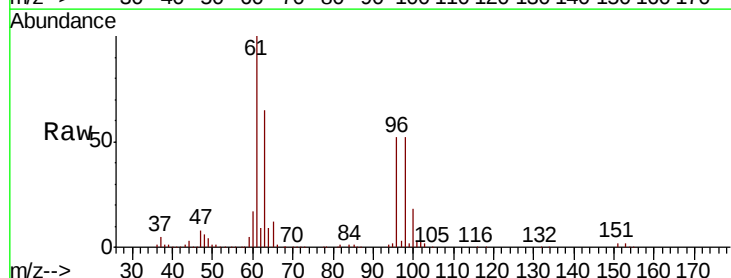
Tgt Ion: 96 Resp: 42972

Ion Ratio Lower Upper

96 100

61 190.7 125.0 232.2

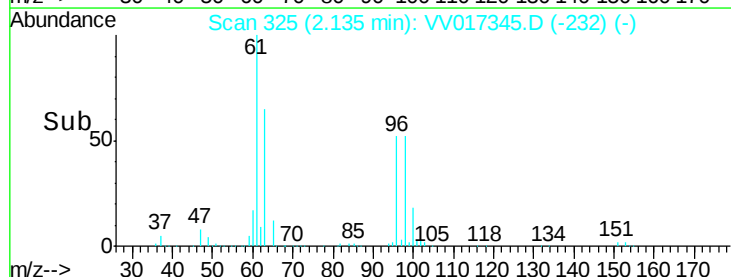
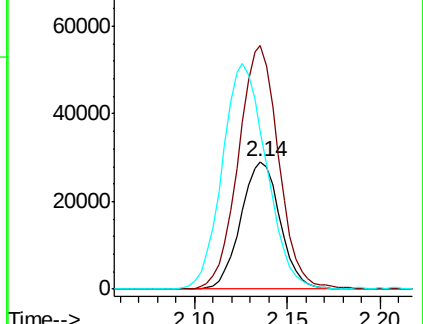
63 123.8 109.8 203.8

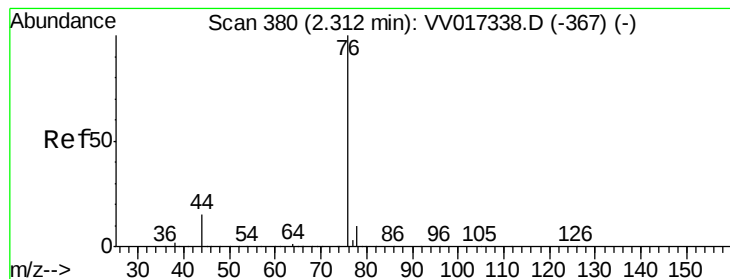


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.078 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

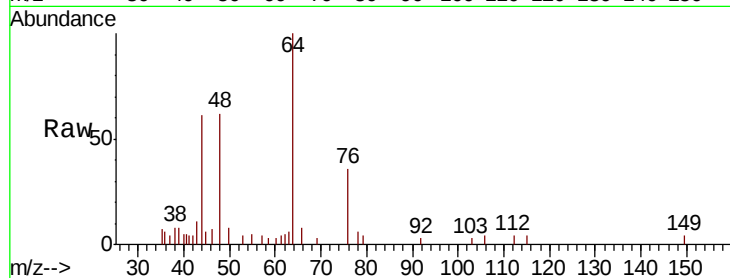
H4288MS

Tot Ion: 76 Resp: 1948

Ion Ratio Lower Upper

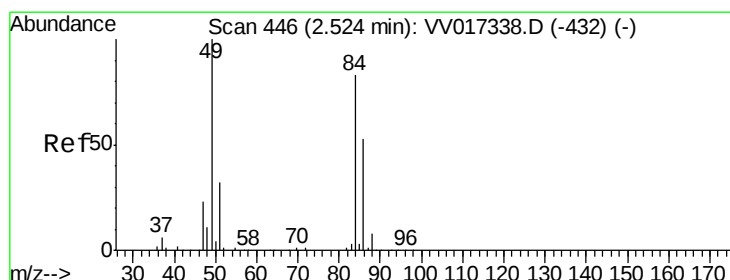
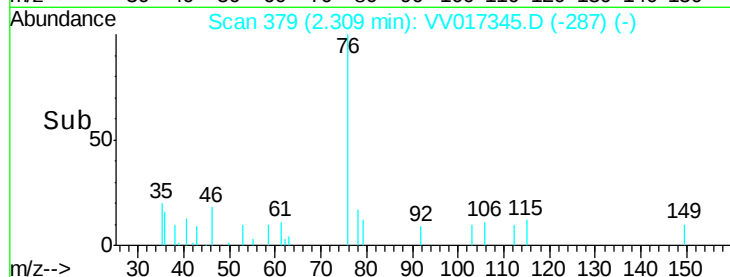
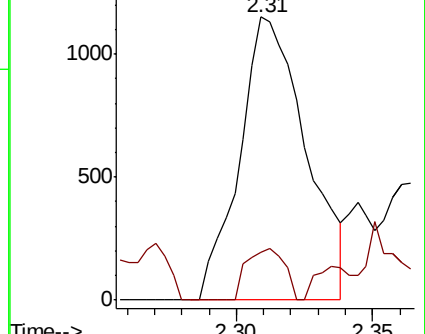
76 100

78 17.0 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.189 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

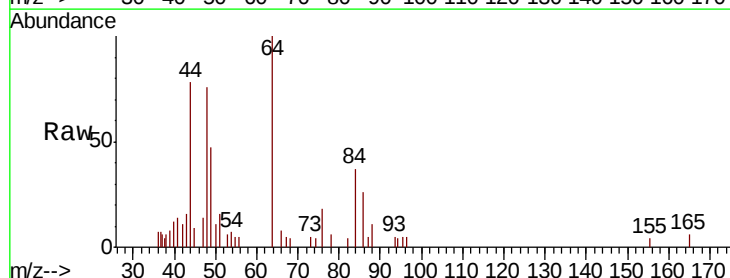
Tgt Ion: 84 Resp: 1687

Ion Ratio Lower Upper

84 100

86 69.4 45.8 85.0

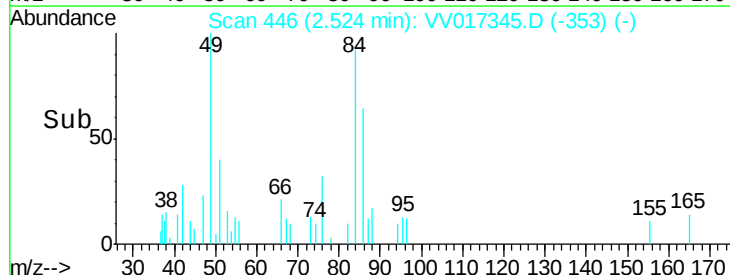
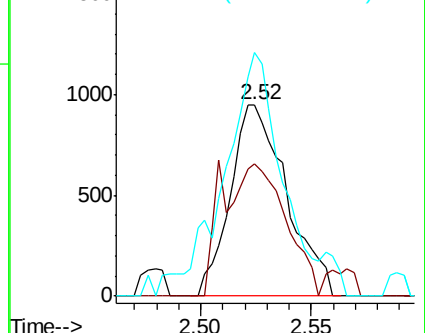
49 127.2 89.6 166.4

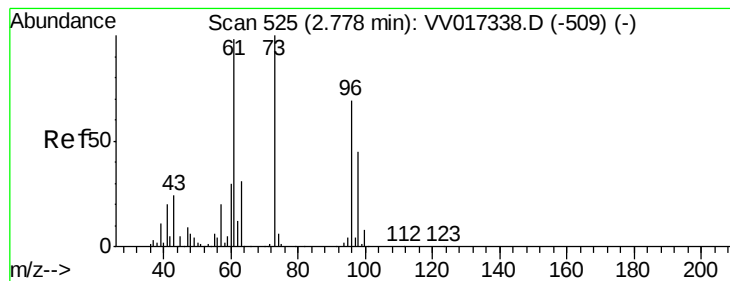


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 2.930 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

H4288MS

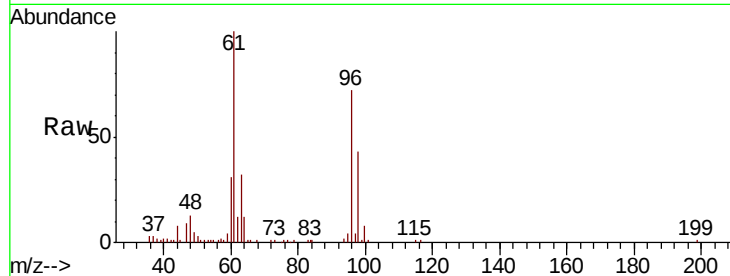
Tot Ion: 96 Resp: 25884

Ion Ratio Lower Upper

96 100

61 139.1 102.3 189.9

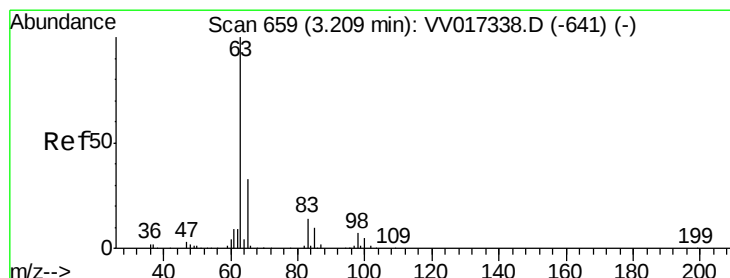
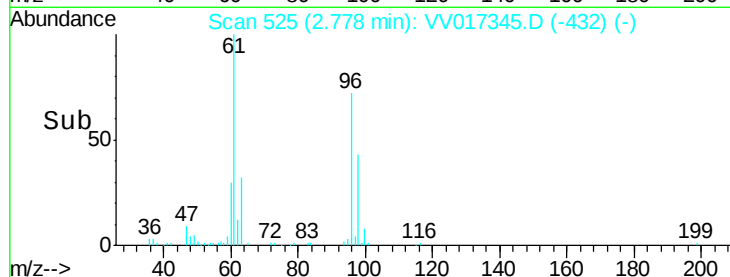
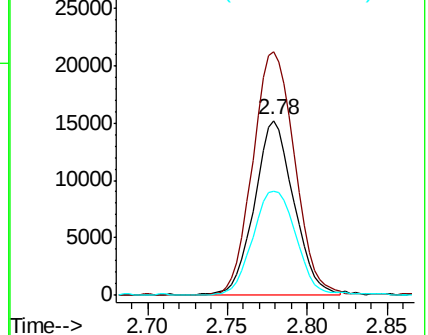
98 59.5 44.7 82.9



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: 6.341 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

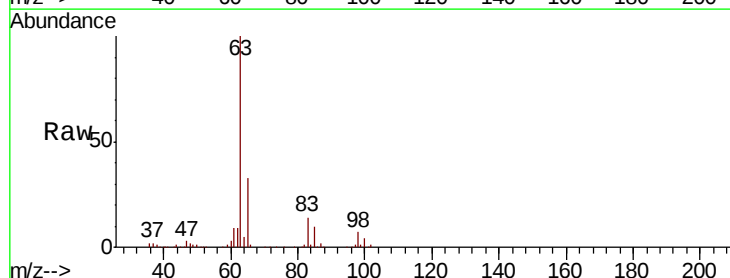
Tgt Ion: 63 Resp: 125893

Ion Ratio Lower Upper

63 100

65 33.1 21.8 40.4

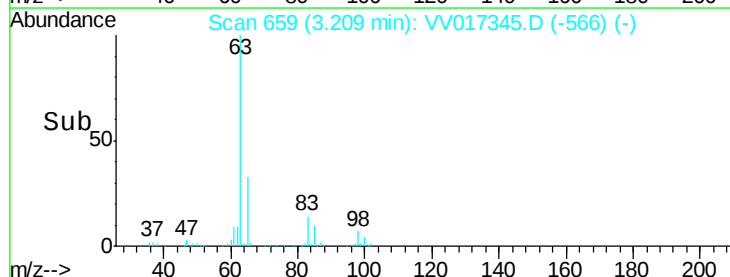
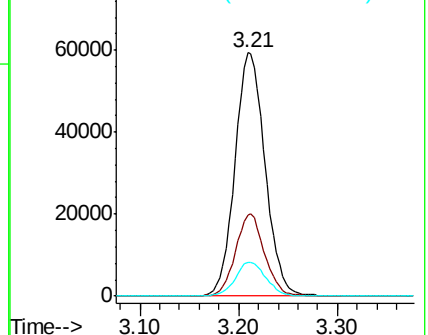
83 14.1 9.7 17.9

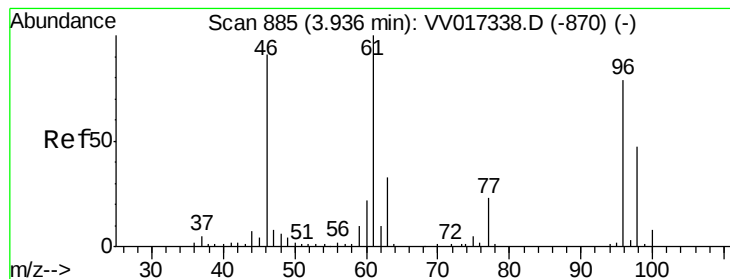


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 7.029 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Instrument :

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ClientSampleId :

H4288MS

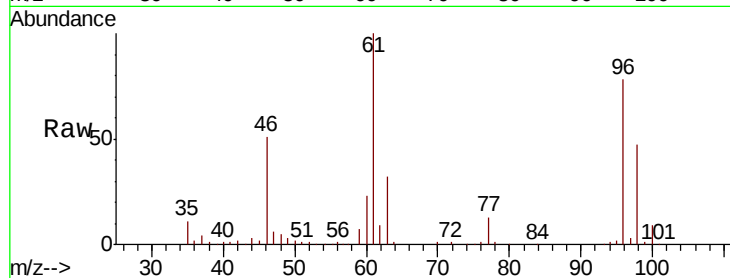
Tot Ion: 96 Resp: 84932

Ion Ratio Lower Upper

96 100

61 127.8 91.0 169.0

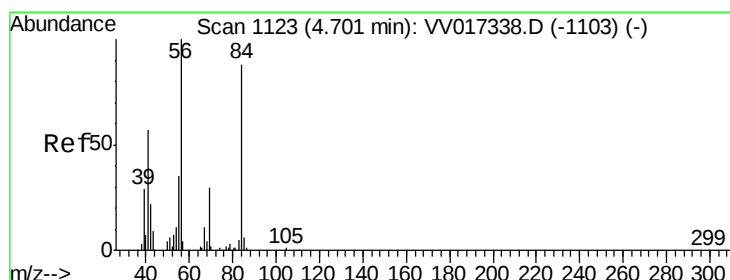
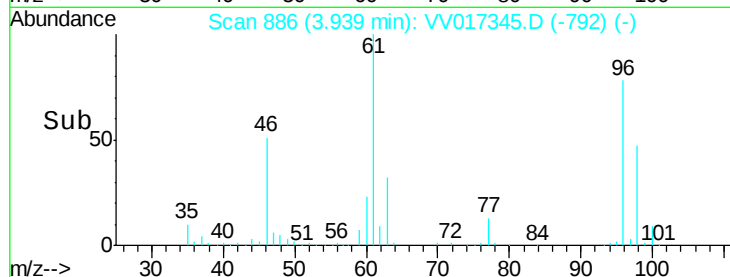
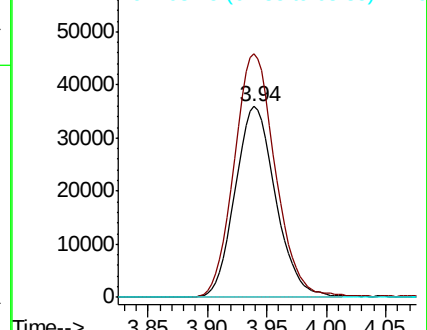
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017338.D (-870) (-)

Ion 61.05 (60.75 to 61.75): VV017338.D (-870) (-)

Ion 68.15 (67.85 to 68.85): VV017338.D (-870) (-)



#30

Cyclohexane

Concen: 0.088 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

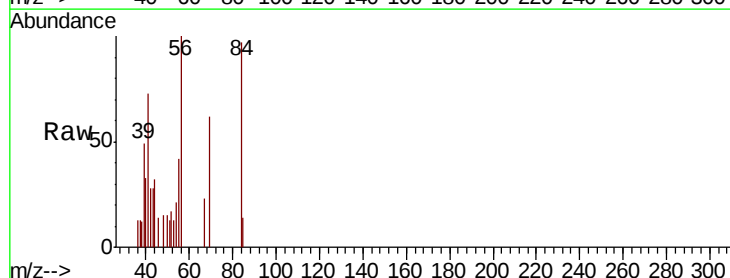
Tgt Ion: 56 Resp: 1650

Ion Ratio Lower Upper

56 100

69 61.5 24.4 36.6#

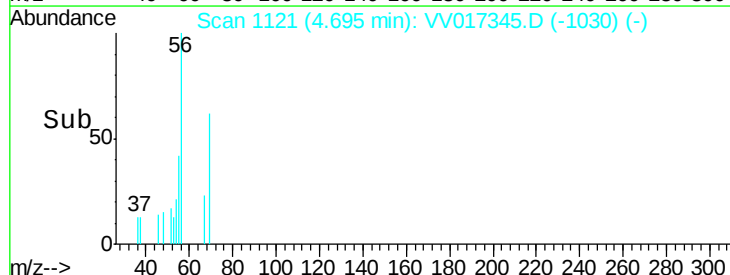
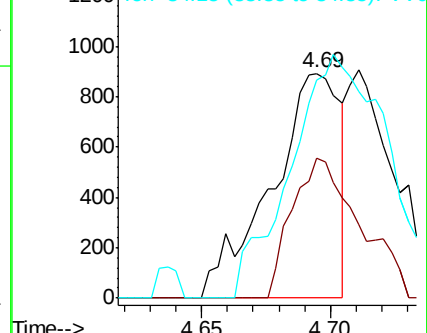
84 153.2 69.9 104.9#

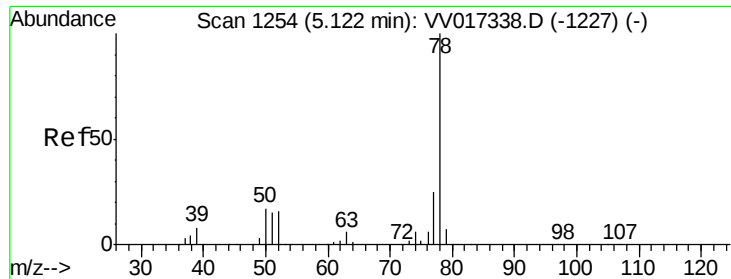


Abundance Ion 56.10 (55.80 to 56.80): VV017338.D (-1103) (-)

Ion 69.15 (68.85 to 69.85): VV017338.D (-1103) (-)

Ion 84.15 (83.85 to 84.85): VV017338.D (-1103) (-)





#33

Benzene

Concen: 5.224 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

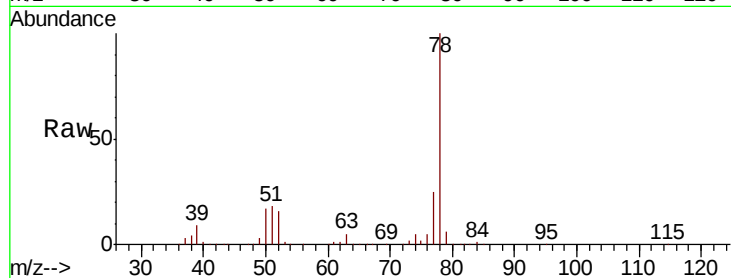
Instrument :

MSVOA_V

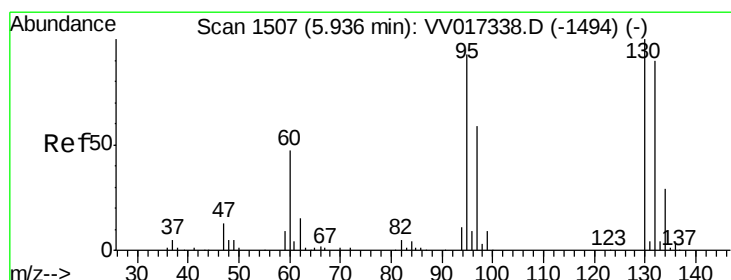
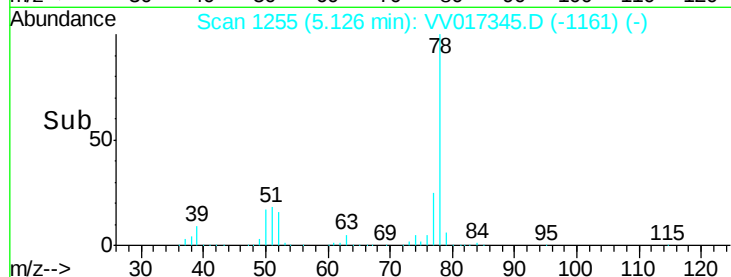
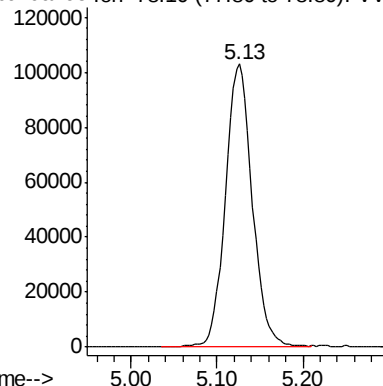
ClientSampleId :

H4288MS

Tgt Ion: 78 Resp: 224914



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.685 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Tgt Ion: 95 Resp: 59055

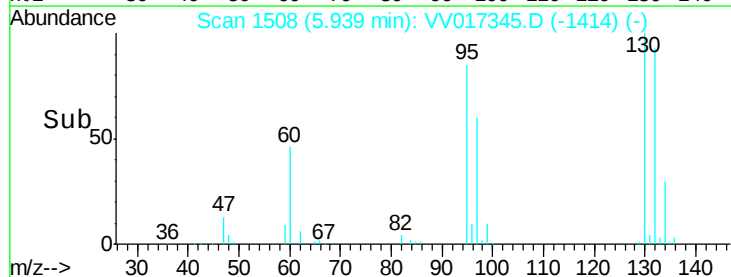
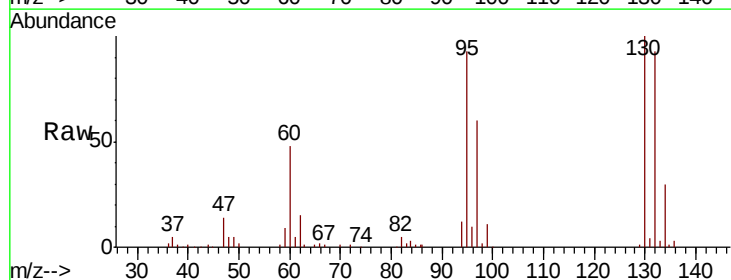
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.3	84.1
132	99.2	68.8	127.8
130	107.1	70.2	130.4

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

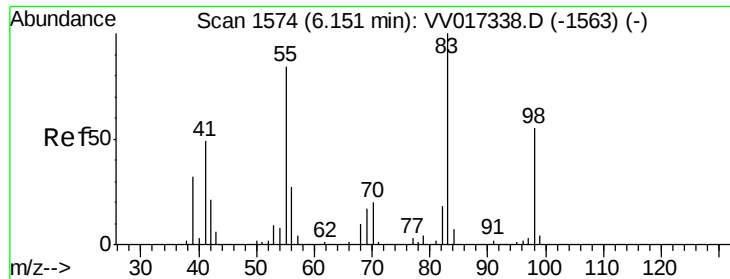


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

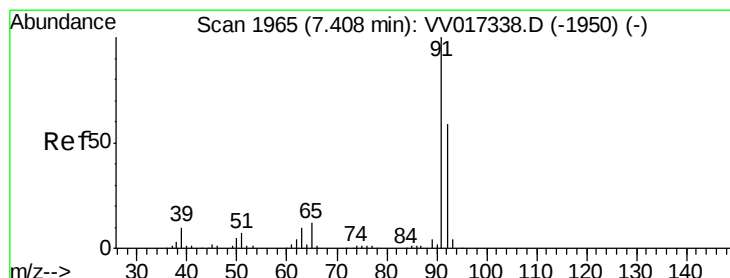
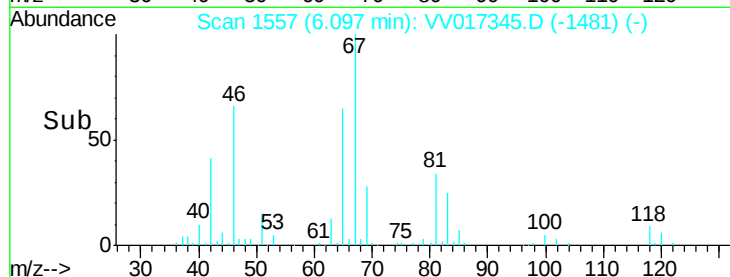
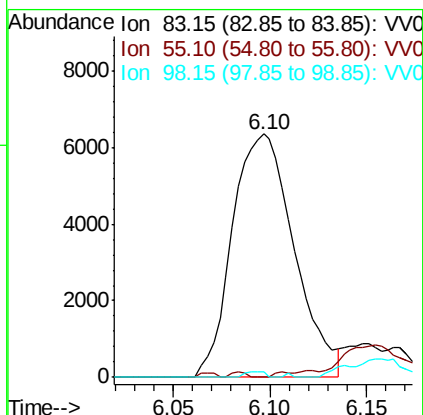
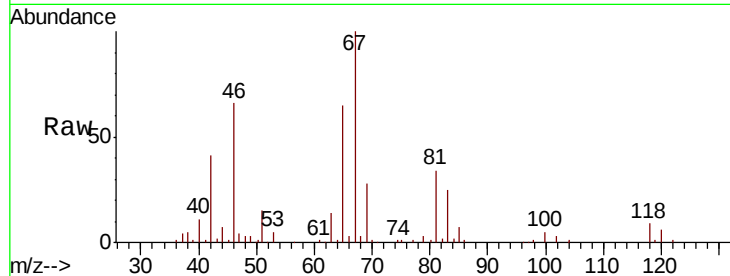
Ion 129.95 (129.65 to 130.65): VV0



#35
Methvlcvclohexane
Concen: 0.719 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017345.D
Acq: 06 Jul 2020 12:29

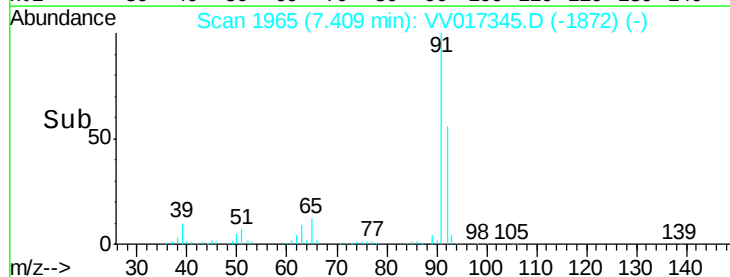
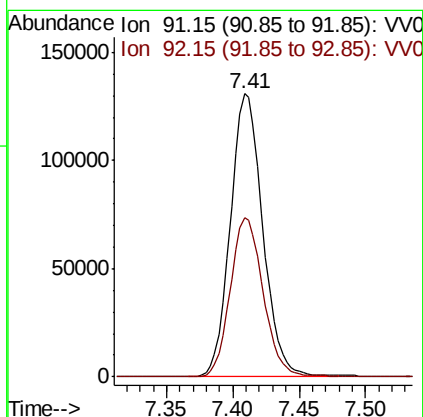
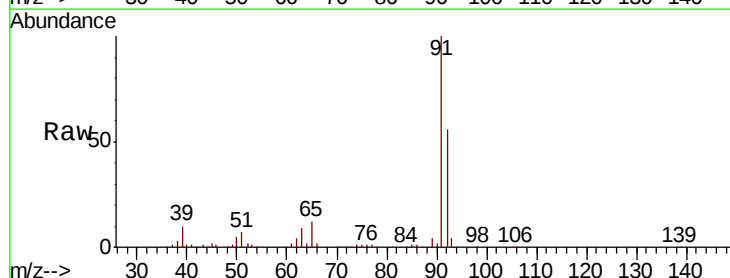
Instrument :
MSVOA_V
ClientSampleId :
H4288MS

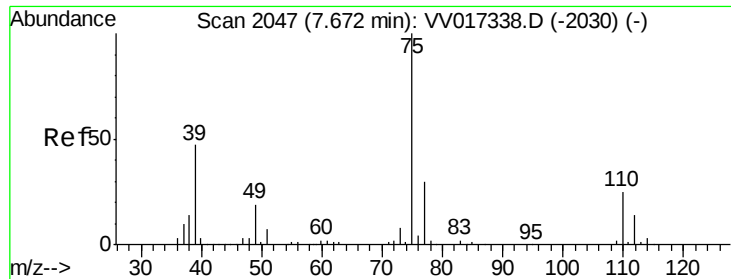
Tot Ion: 83 Resp: 14094
Ion Ratio Lower Upper
83 100
55 0.7 63.6 95.4#
98 0.7 38.8 58.2#



#42
Toluene
Concen: 4.447 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV017345.D
Acq: 06 Jul 2020 12:29

Tgt Ion: 91 Resp: 222576
Ion Ratio Lower Upper
91 100
92 56.2 39.9 74.1

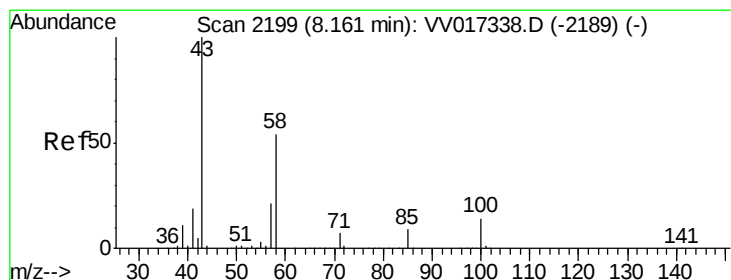
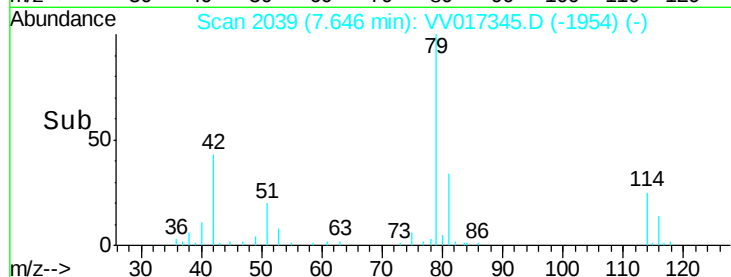
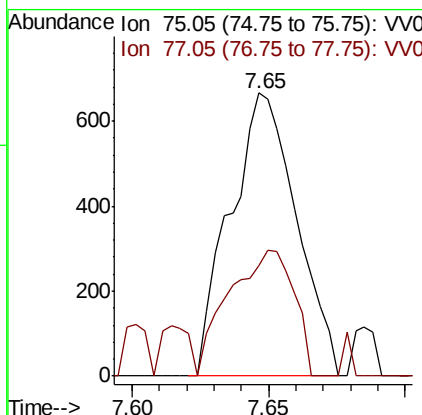
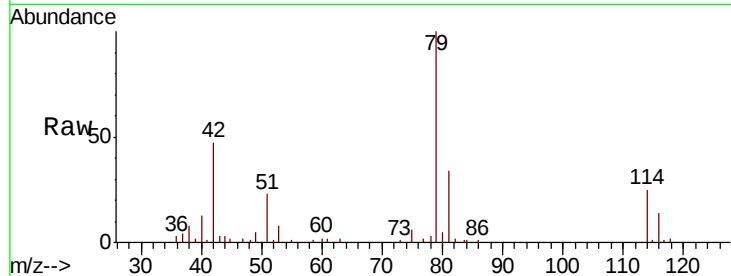




#46
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV017345.D
Acq: 06 Jul 2020 12:29

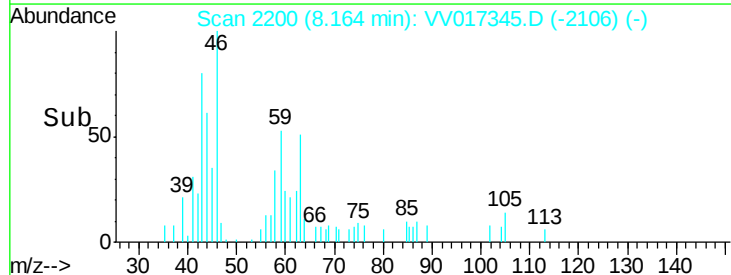
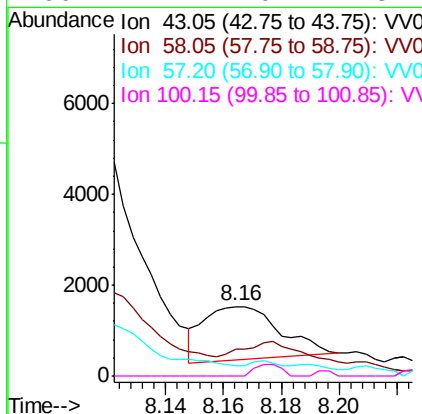
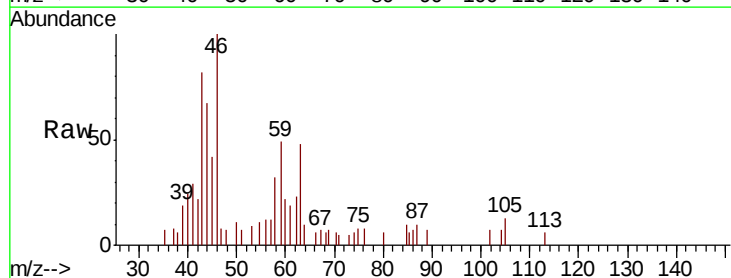
Instrument :
MSVOA_V
ClientSampleId :
H4288MS

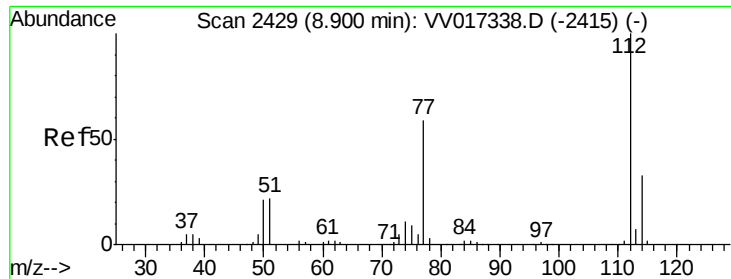
Tot Ion: 75 Resp: 1120
Ion Ratio Lower Upper
75 100
77 39.0 22.3 41.3



#50
2-Hexanone
Concen: 0.492 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017345.D
Acq: 06 Jul 2020 12:29

Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 37.5 41.6 62.4#
57 9.3 15.4 23.0#
100 7.7 10.1 15.1#





#53

Chlorobenzene

Concen: 4.810 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017345.D

Acq: 06 Jul 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

H4288MS

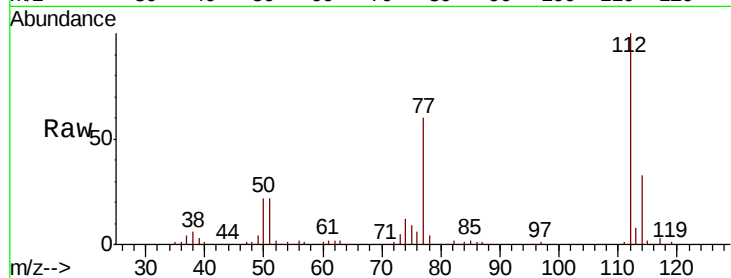
Tot Ion:112 Resp: 150087

Ion Ratio Lower Upper

112 100

114 32.9 22.0 41.0

77 59.7 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

