

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017344.D
 Acq On : 06 Jul 2020 12:05
 Operator : SY/MD
 Sample : L3154-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4288

Quant Time: Jul 07 01:16:59 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	170342	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	165307	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39204	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.58	69	34442	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.12	63	59983	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	3.95	46	119680	45.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.86%
24) Chloroform-d	4.38	84	101205	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.06	65	55764	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.07	84	178226	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.10	67	51848	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.80%
41) Toluene-d8	7.34	98	153393	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
45) trans-1,3-Dichloropropene-	7.64	79	19699	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
48) 2-Hexanone-d5	8.11	63	79041	38.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.58%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39389	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	67450	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	313867	28.080	ug/L	100
8) Chloroethane	1.61	64	21934	3.551	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2691	0.298	ug/L	86
12) 1,1-Dichloroethene	2.13	96	1457	0.178	ug/L #	1
14) Carbon disulfide	2.31	76	2149	0.088	ug/L #	91
16) Methylene chloride	2.52	84	1206	0.138	ug/L	95
18) trans-1,2-Dichloroethene	2.78	96	26896	3.105	ug/L	94
19) 1,1-Dichloroethane	3.21	63	126717	6.510	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	87144	7.356	ug/L	99
30) Cyclohexane	4.70	56	2959	0.157	ug/L	97
33) Benzene	5.13	78	24613	0.569	ug/L	100
34) Trichloroethene	5.95	95	3825	0.302	ug/L	97
35) Methylcyclohexane	6.15	83	1414	0.072	ug/L #	51
39) cis-1,3-Dichloropropene	7.01	75	1775	0.111	ug/L #	68
46) trans-1,3-Dichloropropene	7.65	75	967	0.070	ug/L #	1
50) 2-Hexanone	8.16	43	4463	1.014	ug/L #	45

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

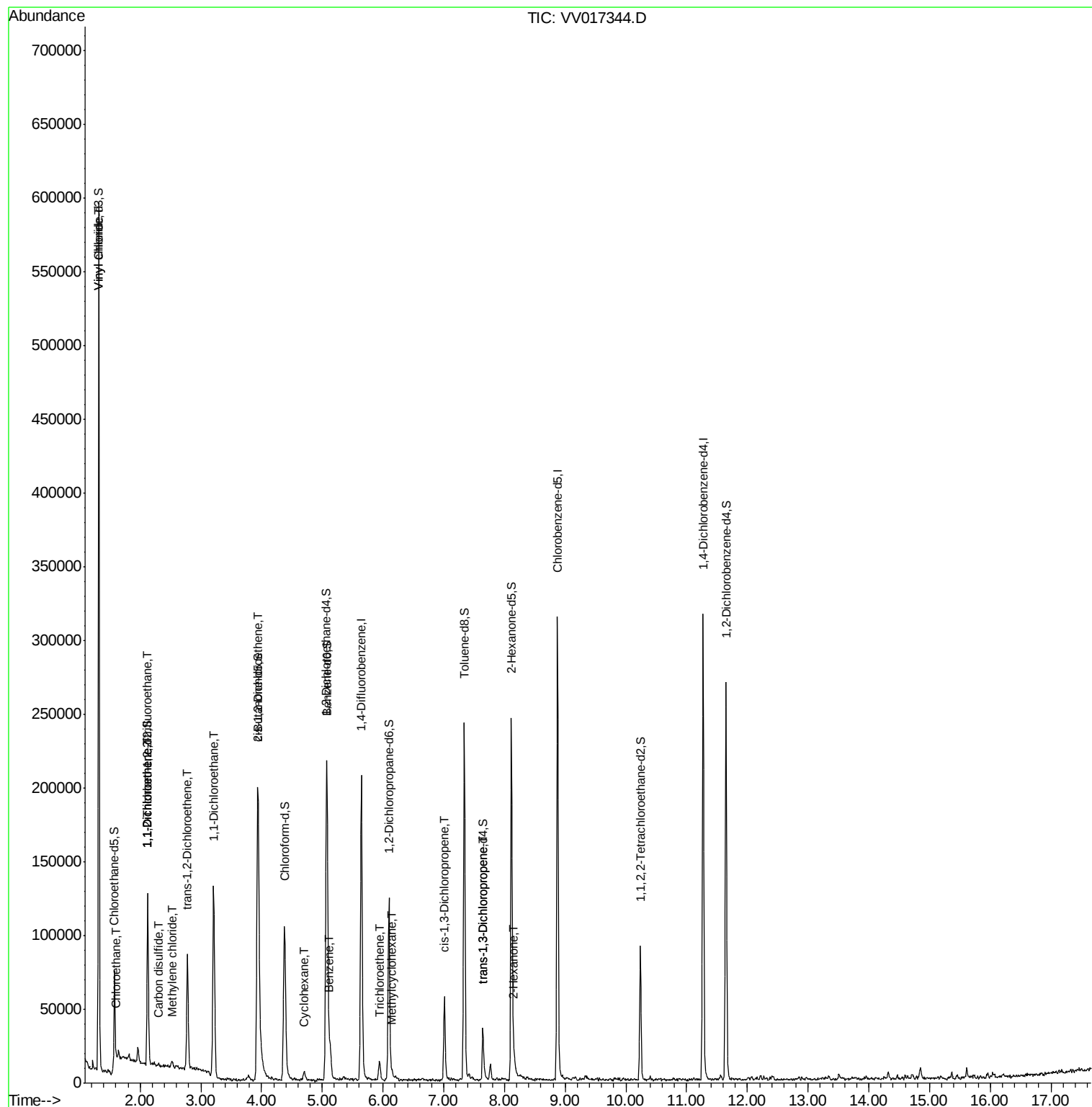
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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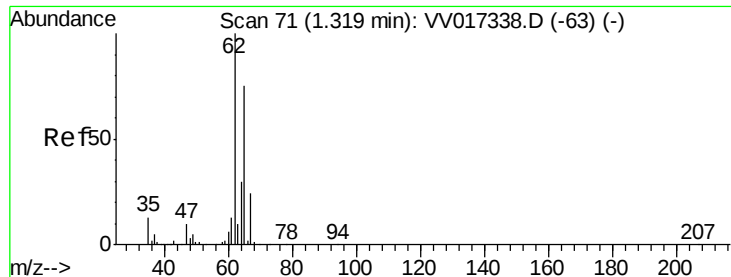
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 07 01:14:17 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 28.080 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

Instrument :

MSVOA_V

ClientSampleId :

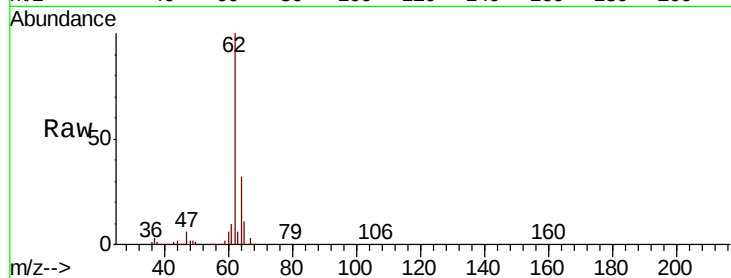
H4288

Tot Ion: 62 Resp: 313867

Ion Ratio Lower Upper

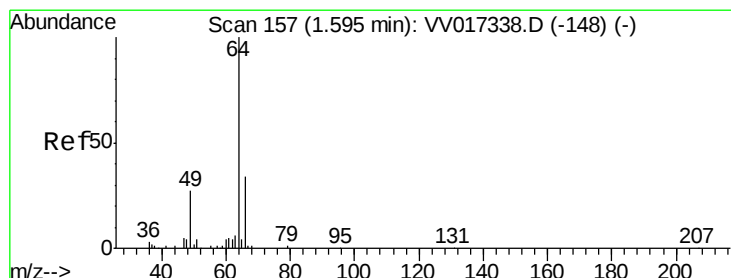
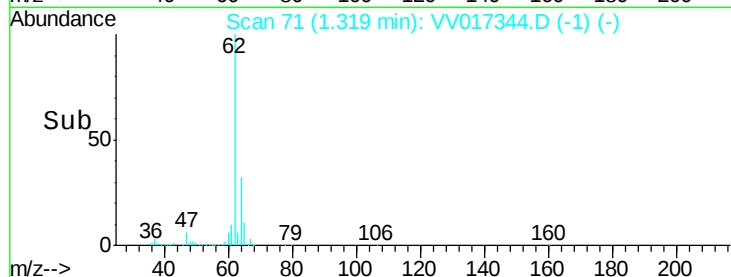
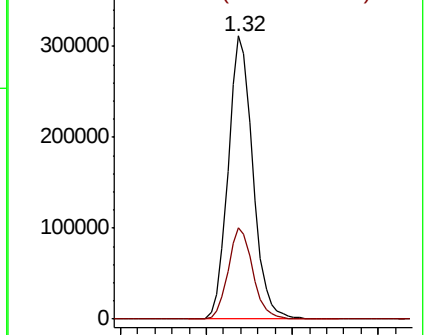
62 100

64 32.2 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: 3.551 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.02 min

Lab File: VV017344.D

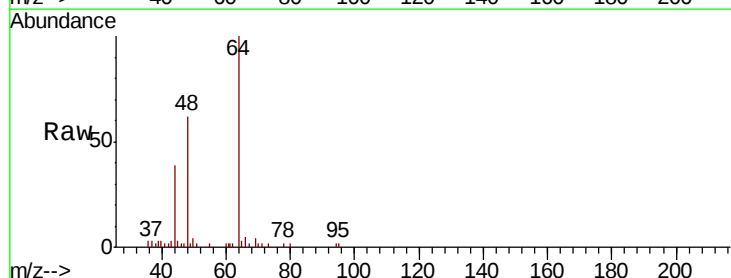
Acq: 06 Jul 2020 12:05

Tgt Ion: 64 Resp: 21934

Ion Ratio Lower Upper

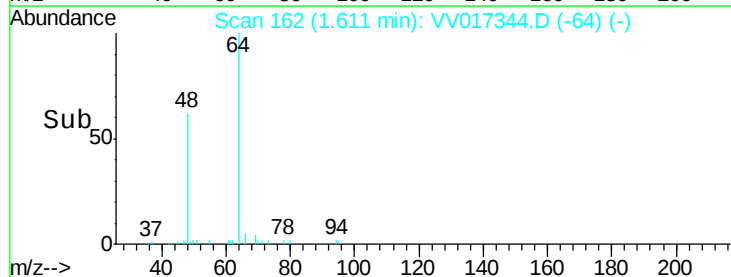
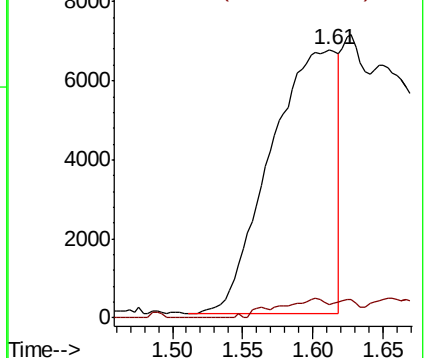
64 100

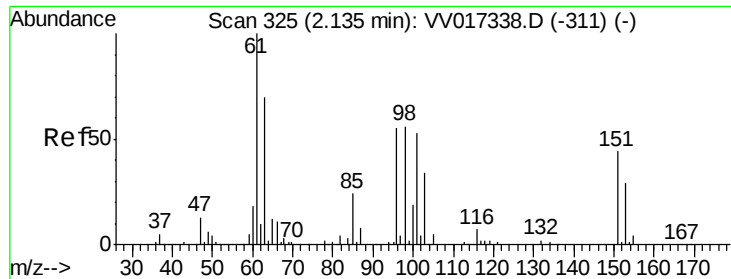
66 5.0 22.8 42.4#



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: 0.298 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

H4288

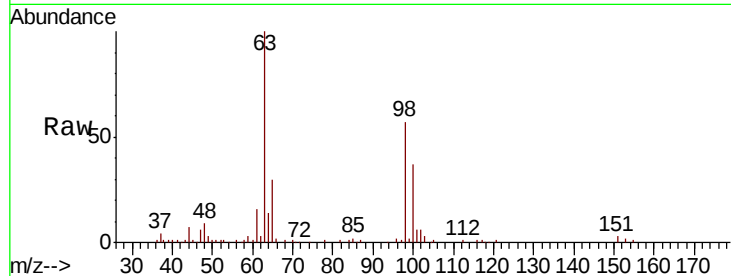
Tot Ion:101 Resp: 2691

Ion Ratio Lower Upper

101 100

85 52.5 35.4 53.2

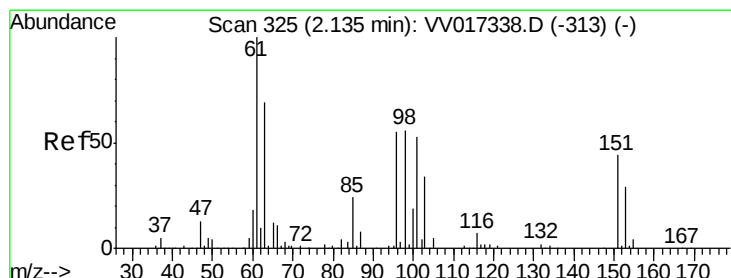
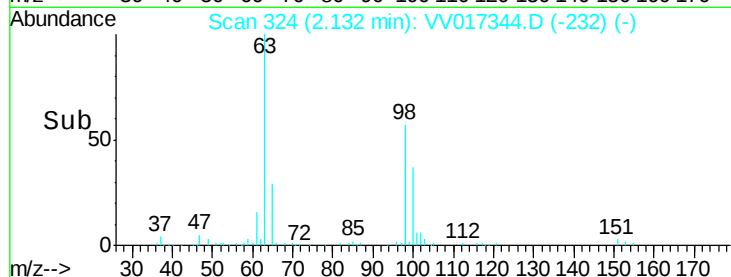
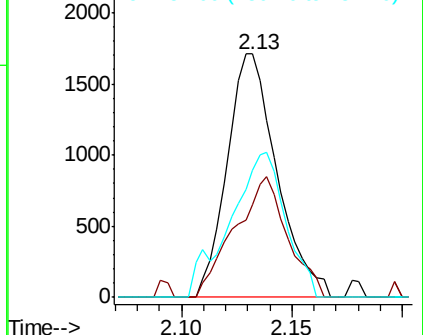
151 66.3 63.9 95.9



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: 0.178 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

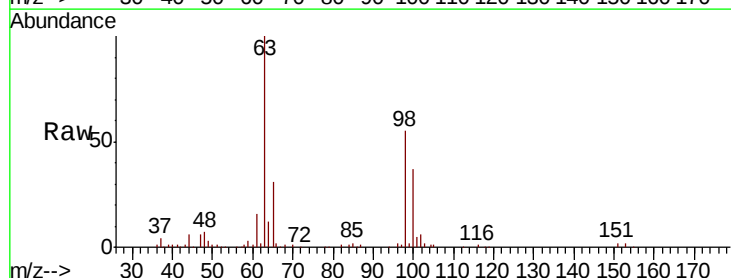
Tgt Ion: 96 Resp: 1457

Ion Ratio Lower Upper

96 100

61 780.7 125.0 232.2#

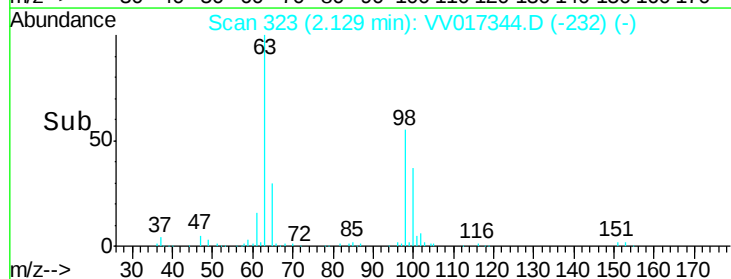
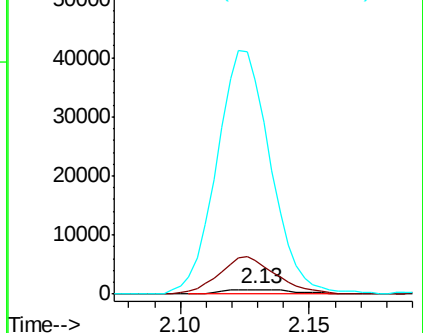
63 4990.4 109.8 203.8#

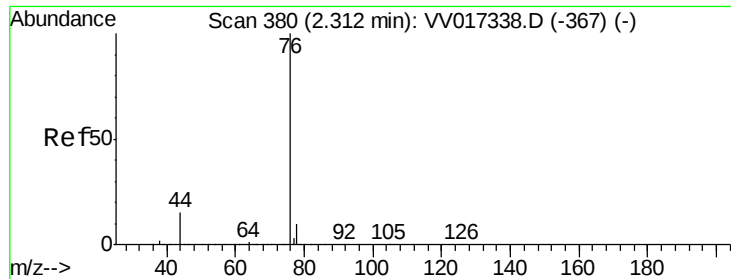


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.088 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

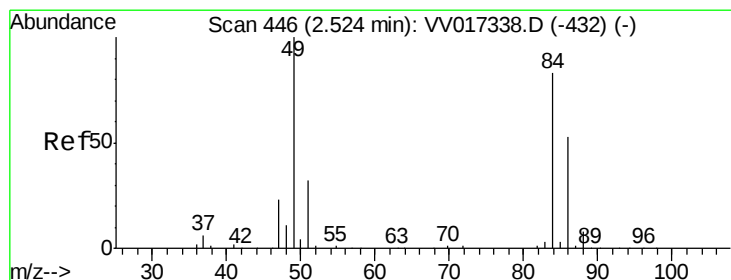
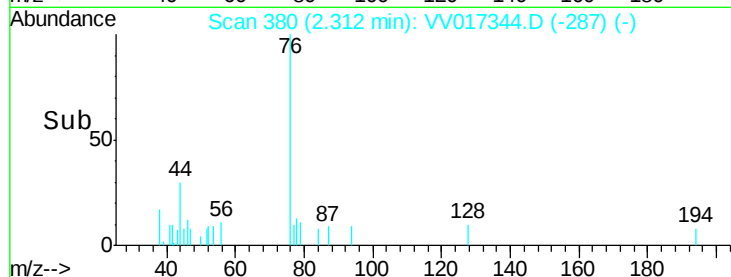
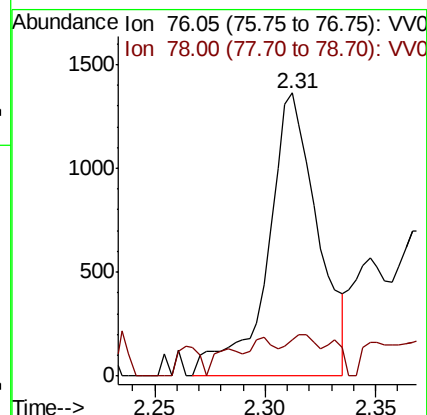
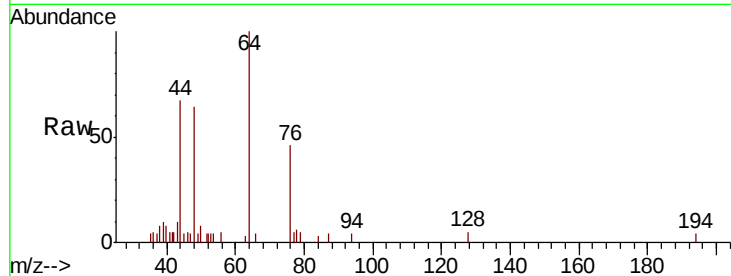
H4288

Tot Ion: 76 Resp: 2149

Ion Ratio Lower Upper

76 100

78 12.8 7.7 11.5#



#16

Methylene chloride

Concen: 0.138 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

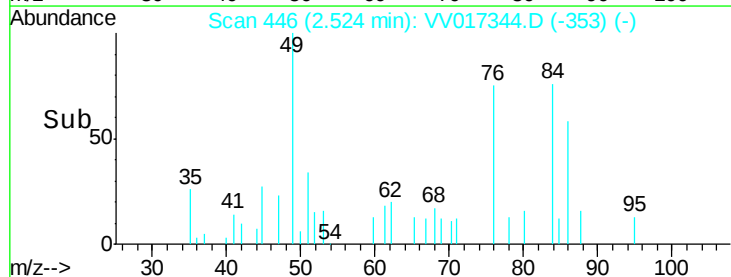
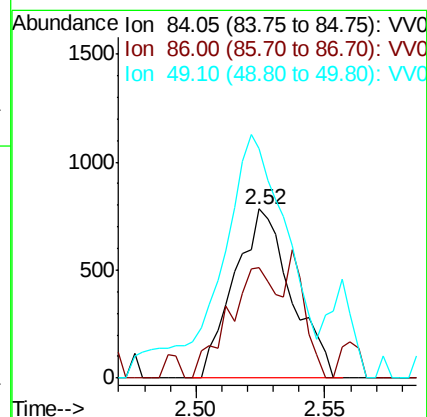
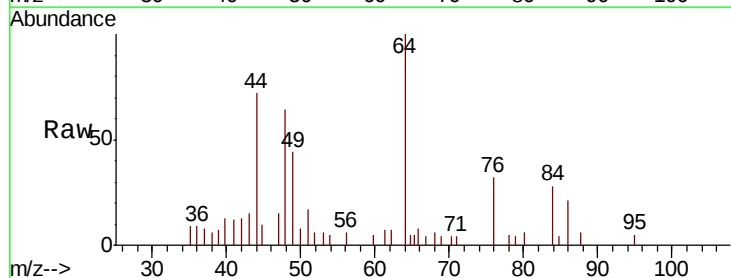
Tgt Ion: 84 Resp: 1206

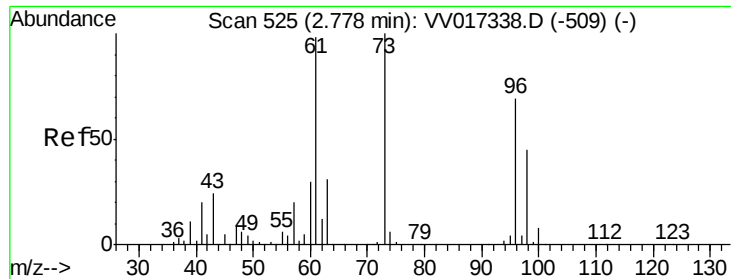
Ion Ratio Lower Upper

84 100

86 65.3 45.8 85.0

49 136.2 89.6 166.4

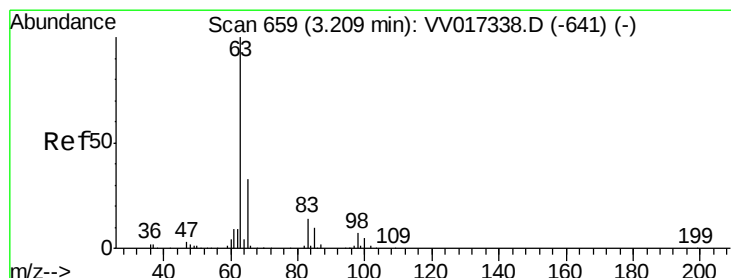
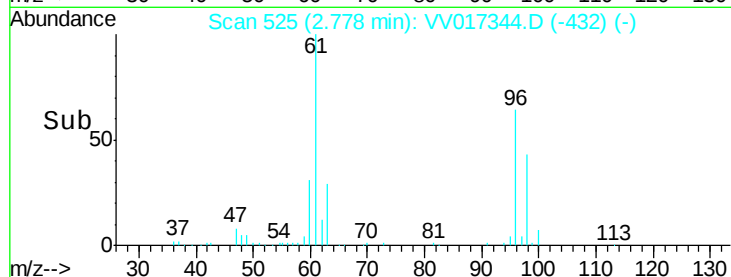
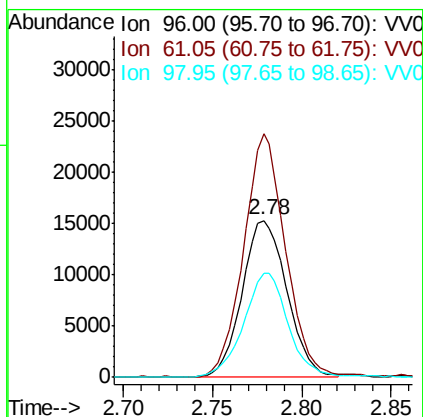
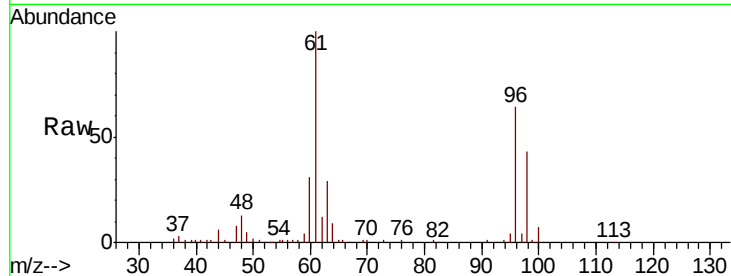




#18
trans-1,2-Dichloroethene
Concen: 3.105 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017344.D
Acq: 06 Jul 2020 12:05

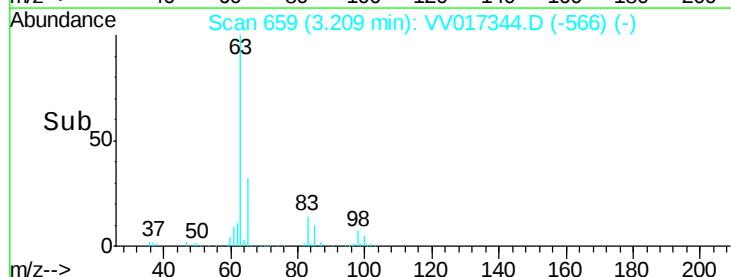
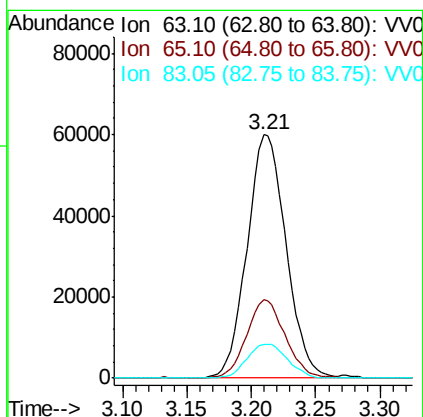
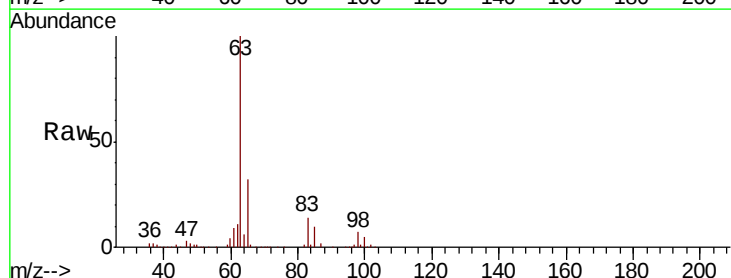
Instrument :
MSVOA_V
ClientSampled :
H4288

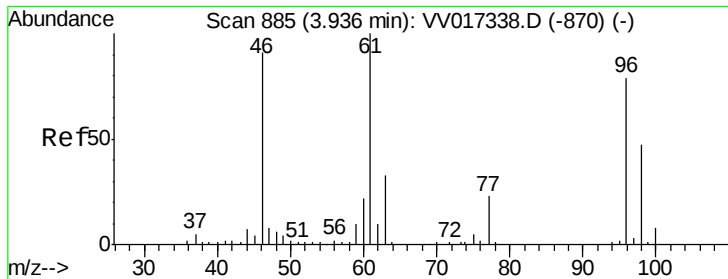
Tot Ion	96	Resp	26896
Ion	Ratio	Lower	Upper
96	100		
61	155.2	102.3	189.9
98	66.3	44.7	82.9



#19
1,1-Dichloroethane
Concen: 6.510 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV017344.D
Acq: 06 Jul 2020 12:05

Tgt Ion	63	Resp	126717
Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.8	40.4
83	13.9	9.7	17.9



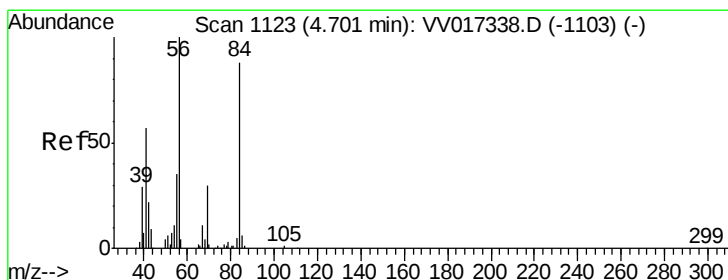
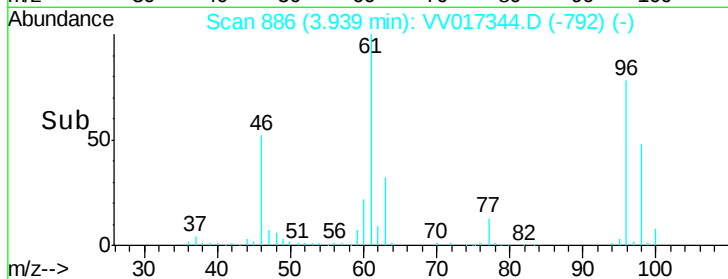
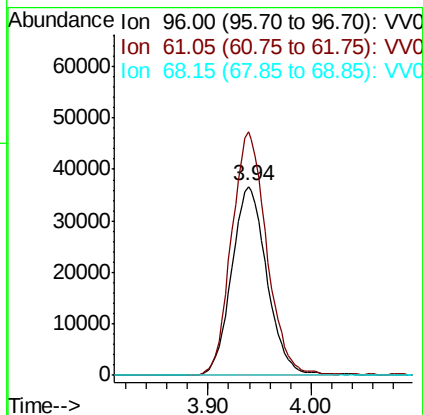
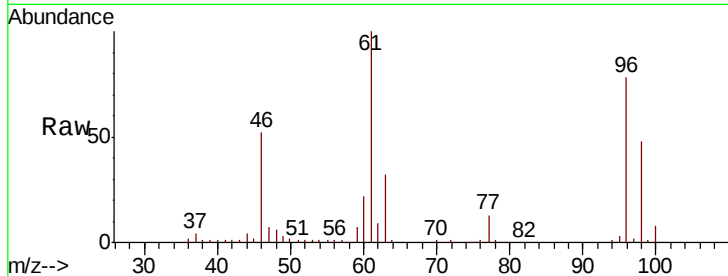


#22

cis-1,2-Dichloroethene
 Concen: 7.356 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017344.D
 Acq: 06 Jul 2020 12:05

Instrument :
 MSVOA_V
 ClientSampled :
 H4288

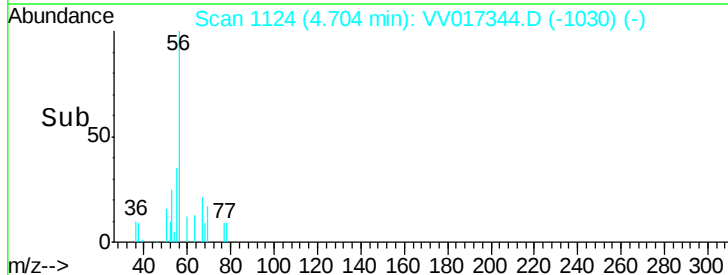
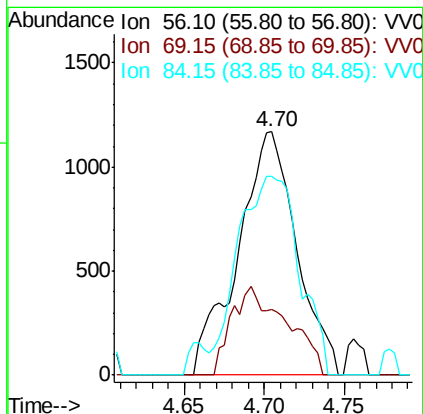
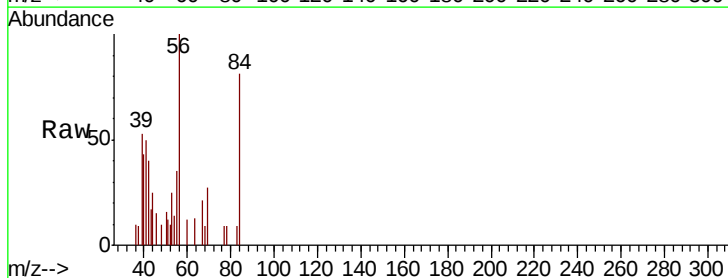
Tot Ion: 96 Resp: 87144
 Ion Ratio Lower Upper
 96 100
 61 128.8 91.0 169.0
 68 0.0 0.0 0.0

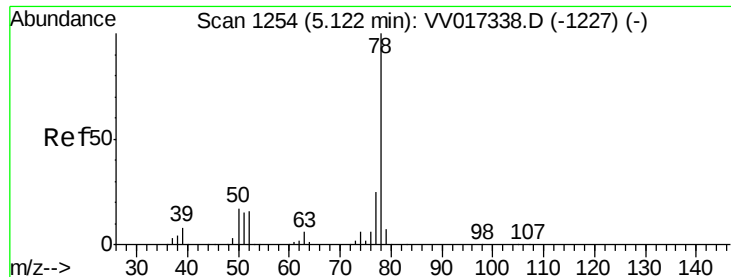


#30

Cyclohexane
 Concen: 0.157 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV017344.D
 Acq: 06 Jul 2020 12:05

Tgt Ion: 56 Resp: 2959
 Ion Ratio Lower Upper
 56 100
 69 34.0 24.4 36.6
 84 85.2 69.9 104.9





#33

Benzene

Concen: 0.569 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

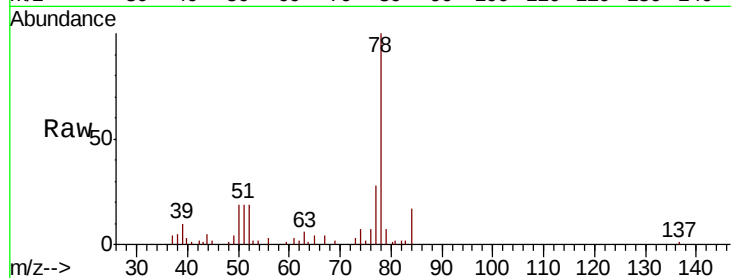
Instrument :

MSVOA_V

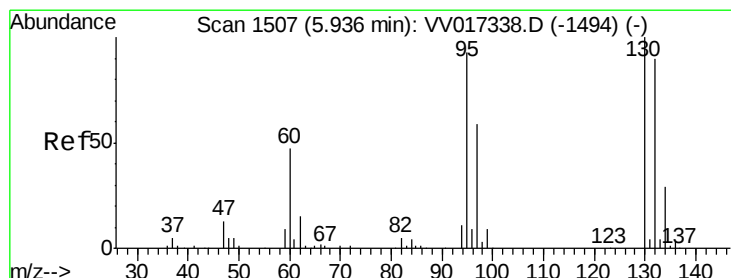
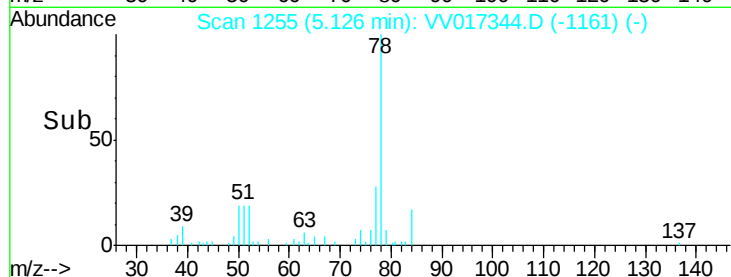
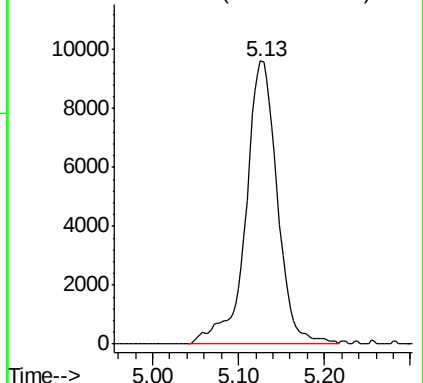
ClientSampleId :

H4288

Tgt Ion: 78 Resp: 24613



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.302 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

Tgt Ion: 95 Resp: 3825

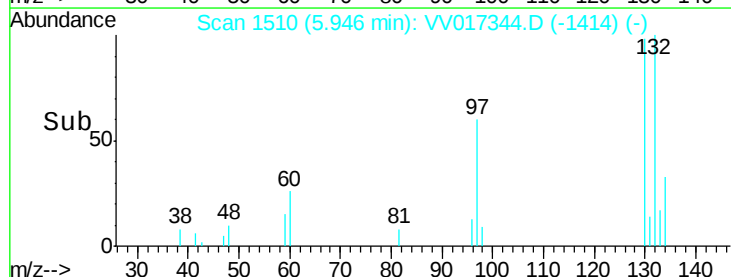
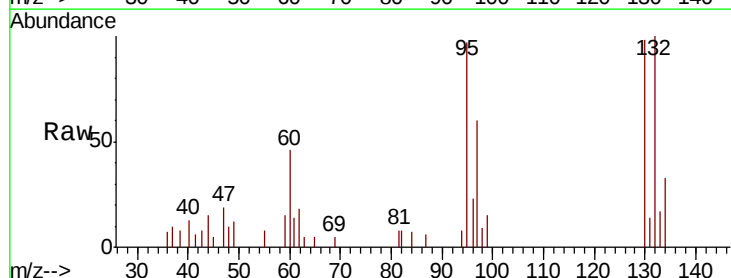
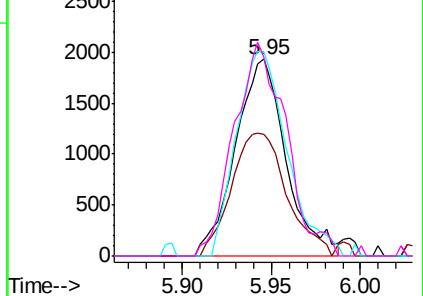
Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.3	84.1
132	103.1	68.8	127.8
130	100.9	70.2	130.4

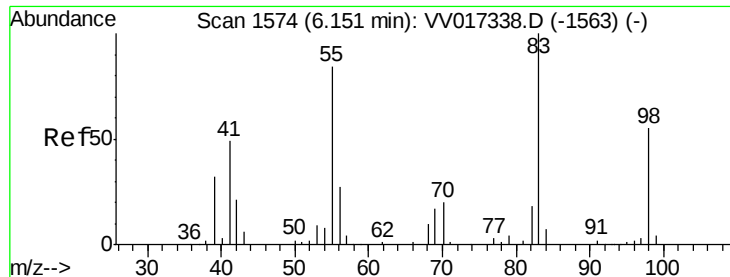
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

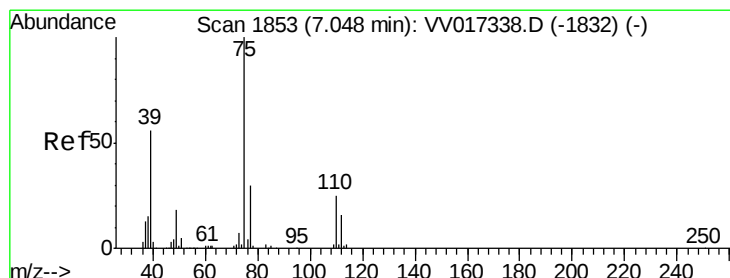
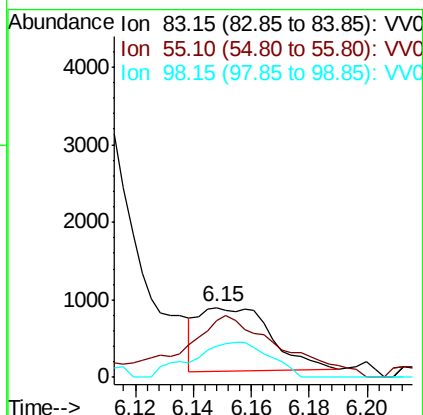
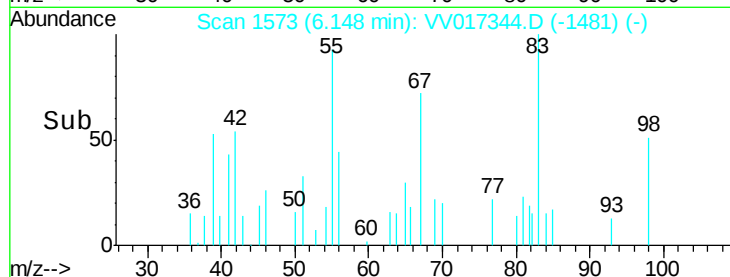
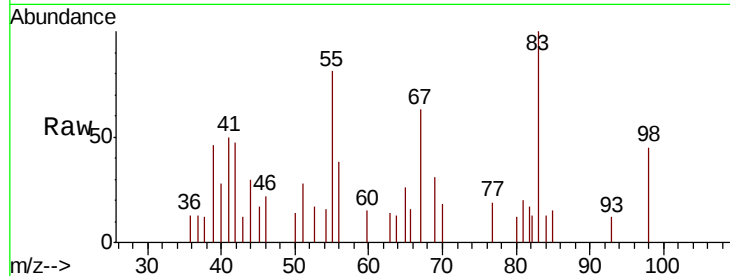




#35
Methylcyclohexane
Concen: 0.072 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV017344.D
Acq: 06 Jul 2020 12:05

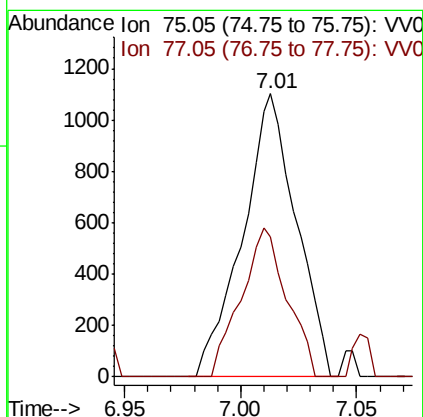
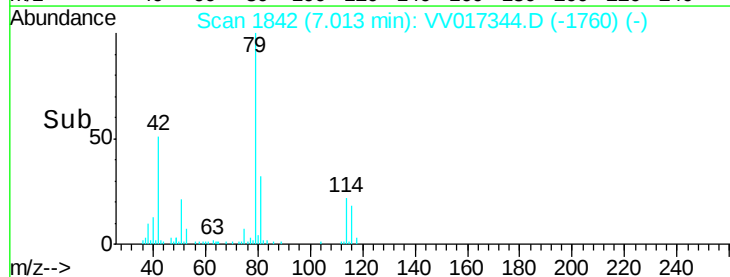
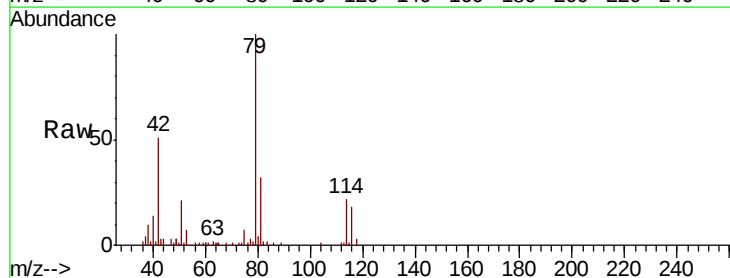
Instrument :
MSVOA_V
ClientSampled :
H4288

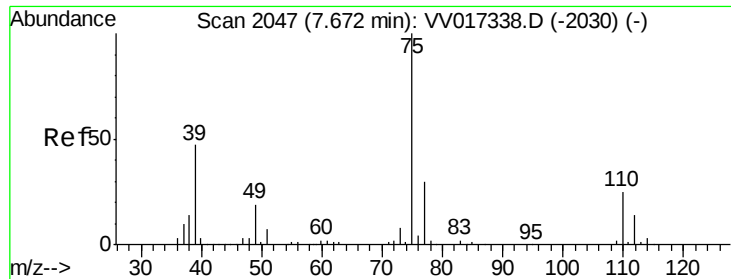
Tot Ion: 83 Resp: 1414
Ion Ratio Lower Upper
83 100
55 140.7 63.6 95.4#
98 59.1 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV017344.D
Acq: 06 Jul 2020 12:05

Tgt Ion: 75 Resp: 1775
Ion Ratio Lower Upper
75 100
77 49.5 22.3 41.5#





#46

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

Instrument :

MSVOA_V

ClientSampled :

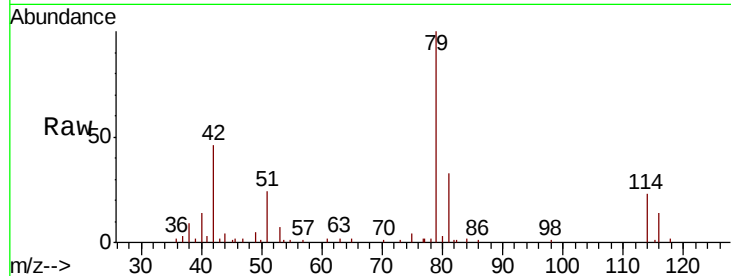
H4288

Tot Ion: 75 Resp: 967

Ion Ratio Lower Upper

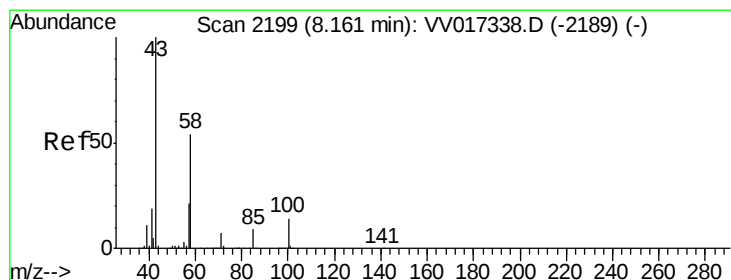
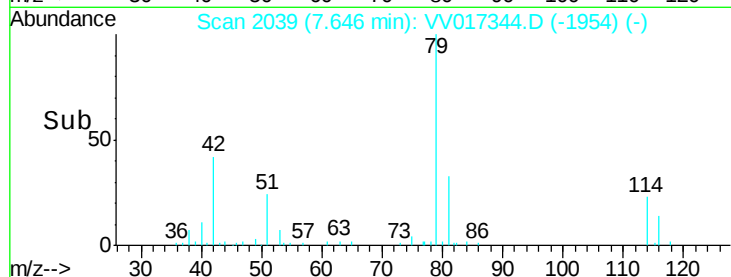
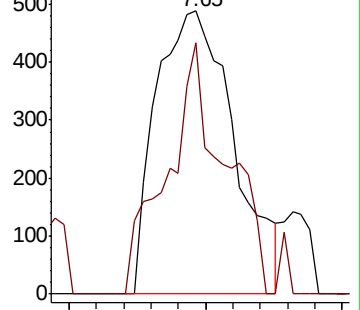
75 100

77 88.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#50

2-Hexanone

Concen: 1.014 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017344.D

Acq: 06 Jul 2020 12:05

Tgt Ion: 43 Resp: 4463

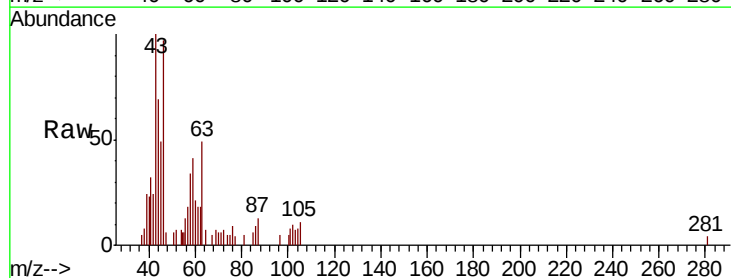
Ion Ratio Lower Upper

43 100

58 0.0 41.6 62.4#

57 7.2 15.4 23.0#

100 3.7 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

