

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017346.D
 Acq On : 06 Jul 2020 12:53
 Operator : SY/MD
 Sample : L3154-16MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4288MSD

Quant Time: Jul 07 01:17:26 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	161933	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157406	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75624	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38975	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.58	69	34974	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.13	63	83267	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	3.96	46	117510	47.44	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.88%
24) Chloroform-d	4.38	84	100618	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.06	65	57411	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.07	84	175083	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.10	67	51925	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.34	98	153715	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
45) trans-1,3-Dichloropropene-	7.65	79	19316	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
48) 2-Hexanone-d5	8.11	63	82003	42.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39440	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	68295	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	343582	32.334 ug/L	100
8) Chloroethane	1.58	64	168971	28.774 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3446	0.402 ug/L	95
12) 1,1-Dichloroethene	2.14	96	42718	5.497 ug/L	85
14) Carbon disulfide	2.31	76	2878	0.124 ug/L #	77
16) Methylene chloride	2.52	84	1919	0.231 ug/L	76
18) trans-1,2-Dichloroethene	2.78	96	27305	3.316 ug/L	96
19) 1,1-Dichloroethane	3.21	63	125298	6.771 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	96360	8.556 ug/L #	97
30) Cyclohexane	4.70	56	3288	0.183 ug/L #	87
33) Benzene	5.13	78	226849	5.503 ug/L	100
34) Trichloroethene	5.94	95	58805	4.872 ug/L	96
35) Methylcyclohexane	6.09	83	14608	0.778 ug/L #	19
42) Toluene	7.41	91	222036	4.633 ug/L	99
46) trans-1,3-Dichloropropene	7.65	75	982	0.075 ug/L #	44
53) Chlorobenzene	8.90	112	147852	4.949 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

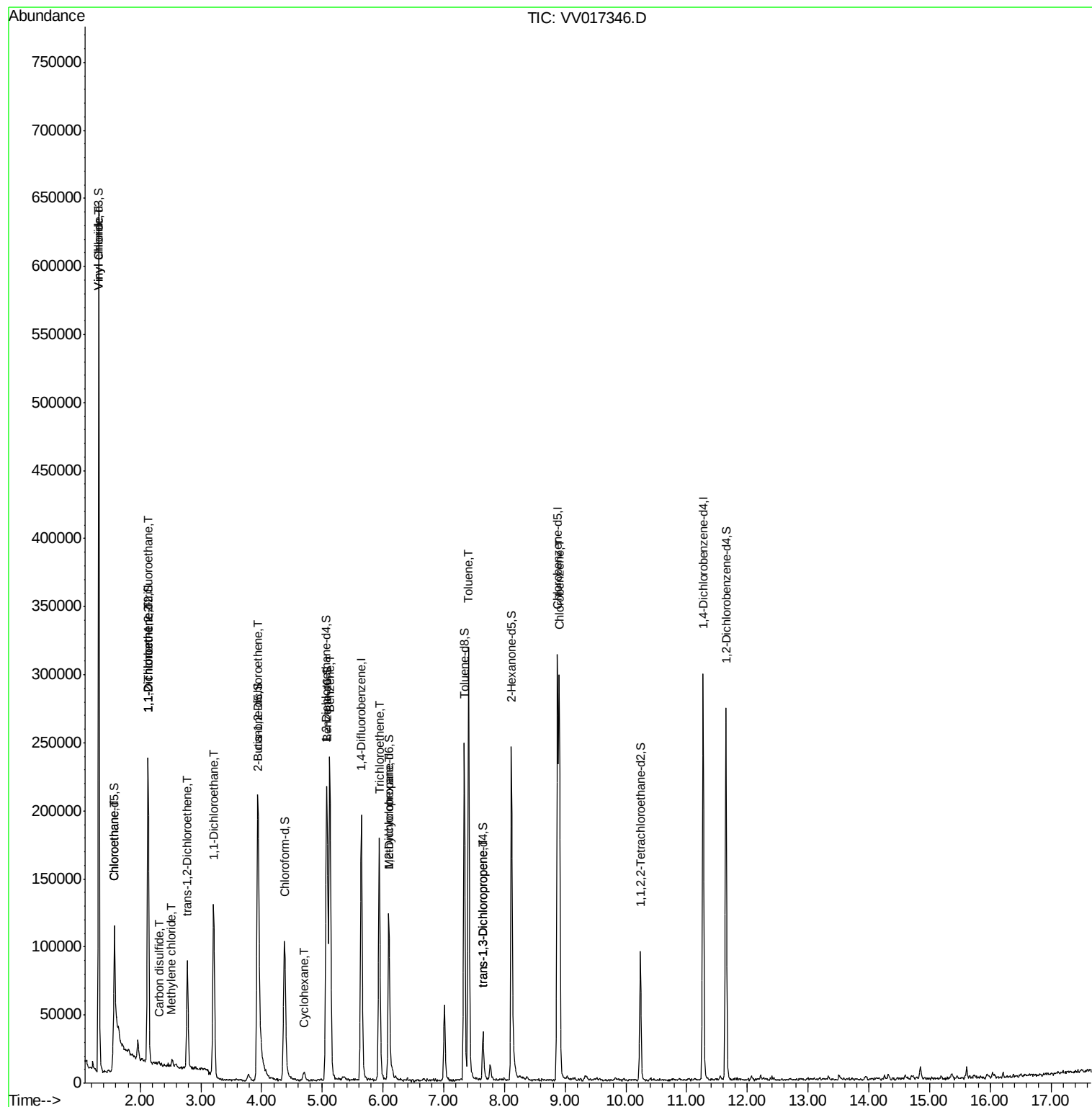
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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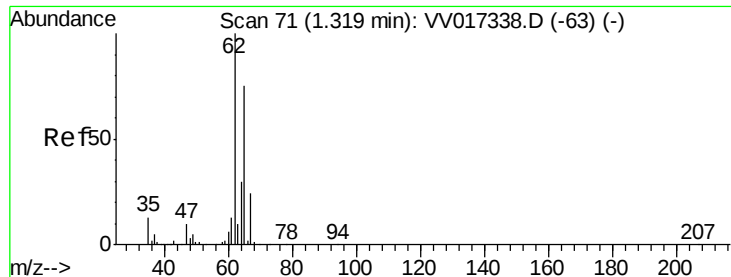
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 32.334 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

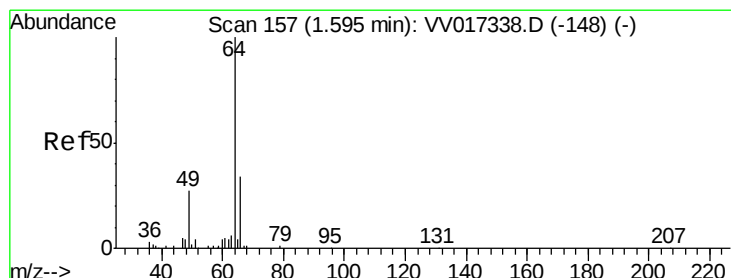
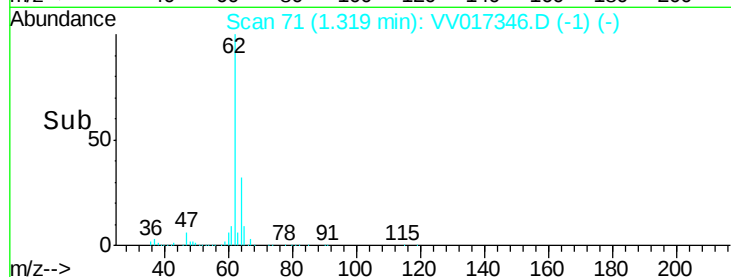
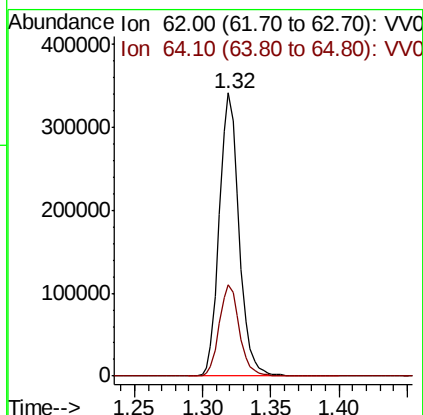
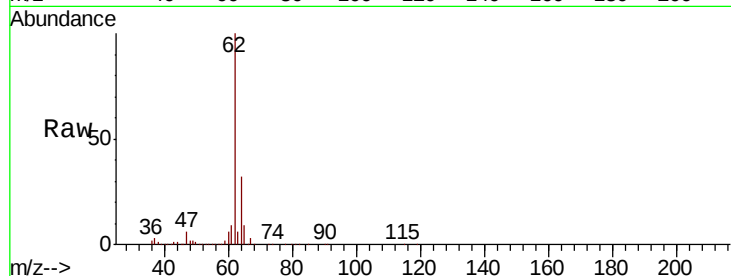
H4288MSD

Tot Ion: 62 Resp: 343582

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



#8

Chloroethane

Concen: 28.774 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV017346.D

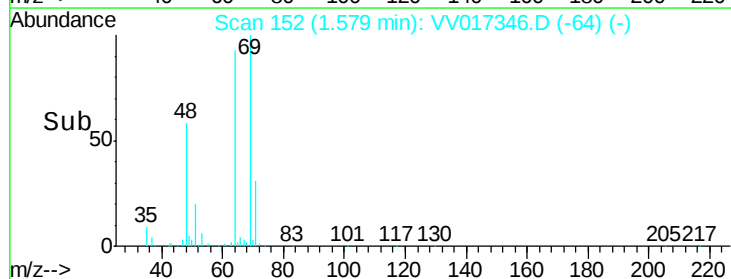
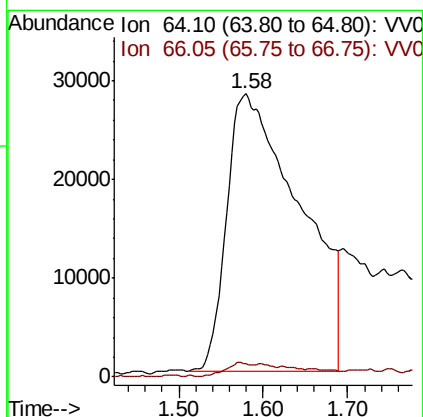
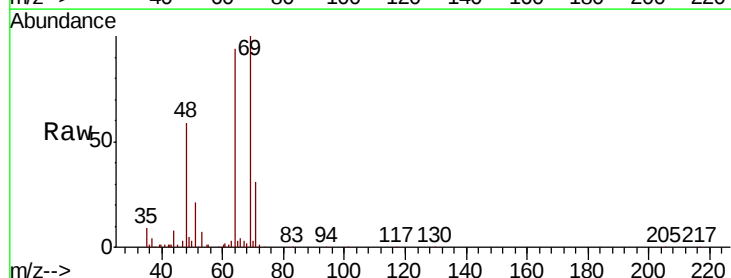
Acq: 06 Jul 2020 12:53

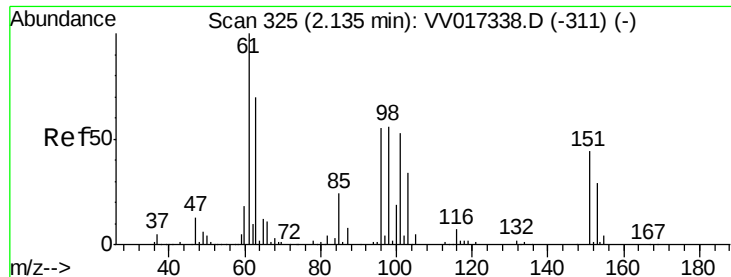
Tgt Ion: 64 Resp: 168971

Ion Ratio Lower Upper

64 100

66 4.5 22.8 42.4#





#10

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

Concen: 0.402 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampled :

H4288MSD

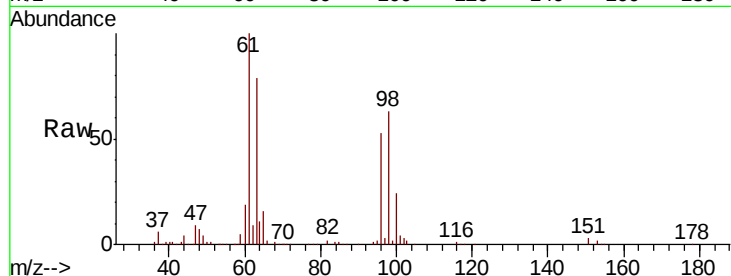
Tot Ion:101 Resp: 3446

Ion Ratio Lower Upper

101 100

85 41.2 35.4 53.2

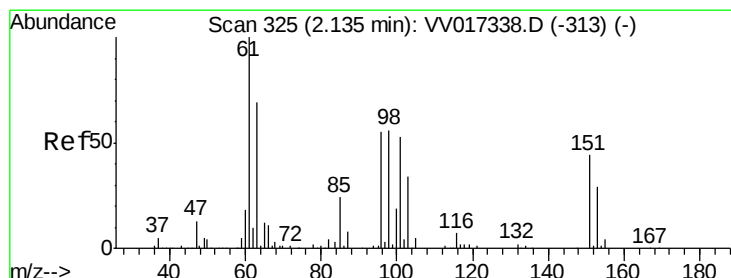
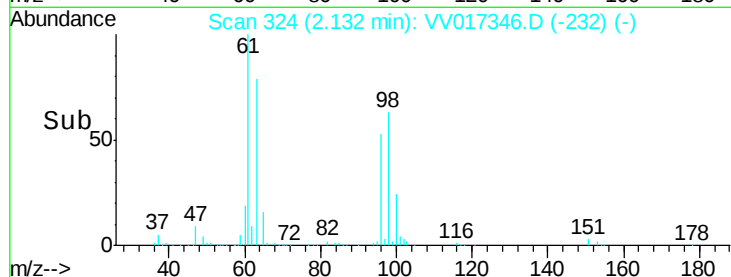
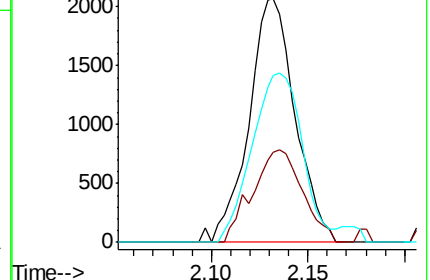
151 75.6 63.9 95.9



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: 5.497 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

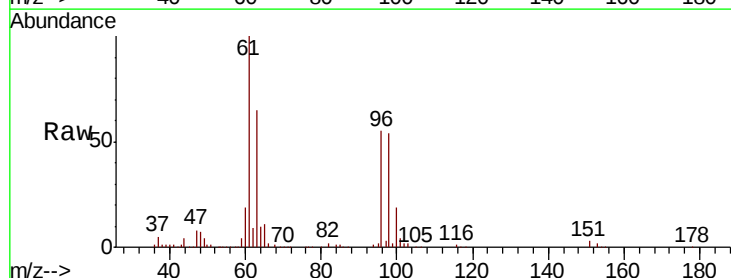
Tgt Ion: 96 Resp: 42718

Ion Ratio Lower Upper

96 100

61 182.1 125.0 232.2

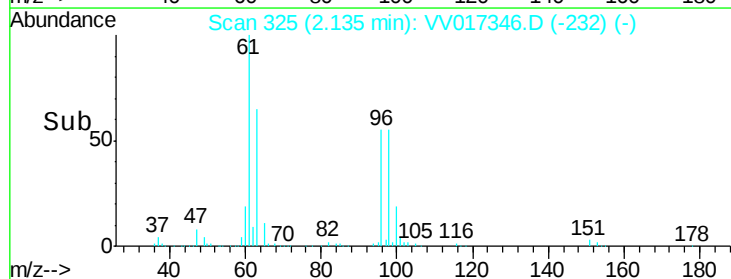
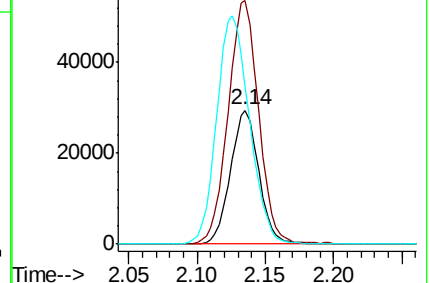
63 118.0 109.8 203.8

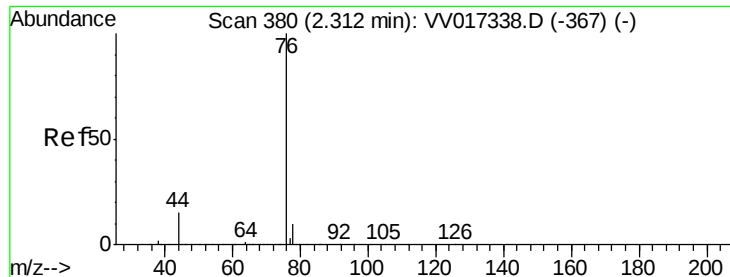


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.124 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

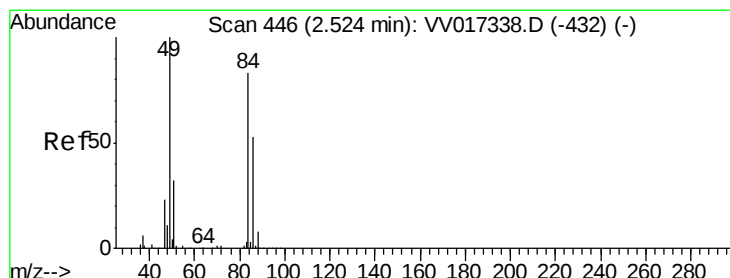
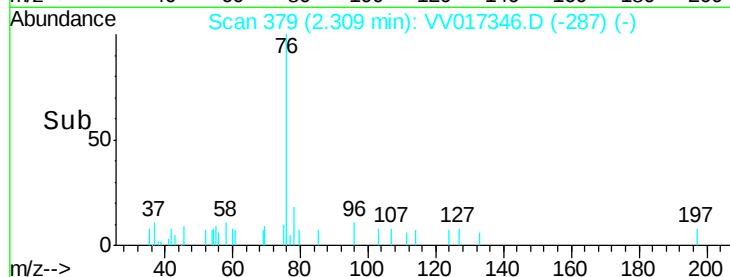
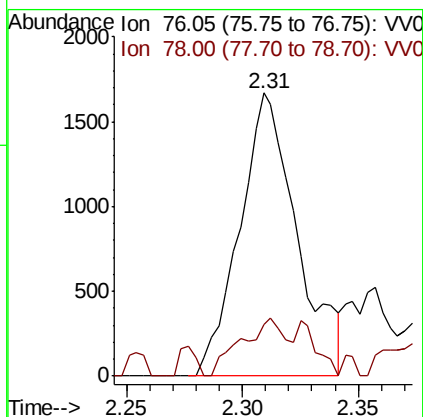
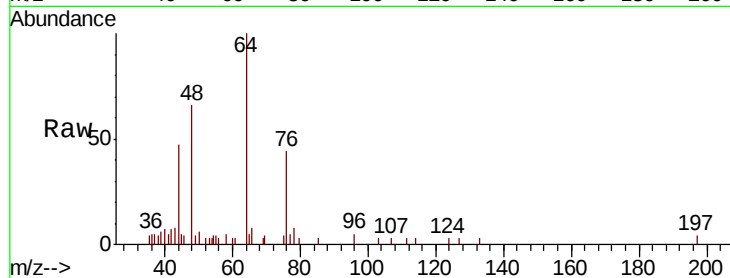
H4288MSD

Tot Ion: 76 Resp: 2878

Ion Ratio Lower Upper

76 100

78 18.2 7.7 11.5#



#16

Methylene chloride

Concen: 0.231 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

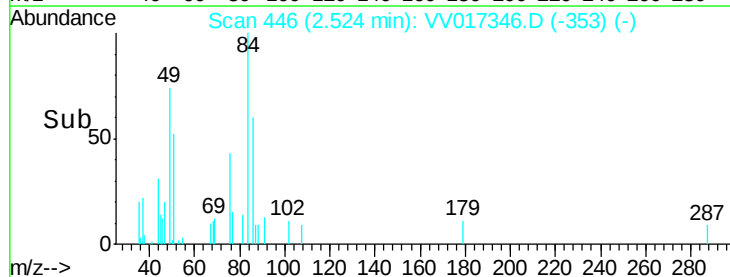
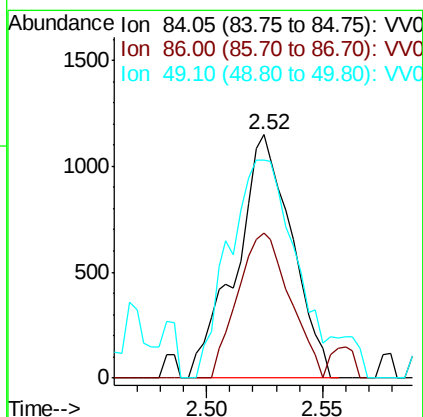
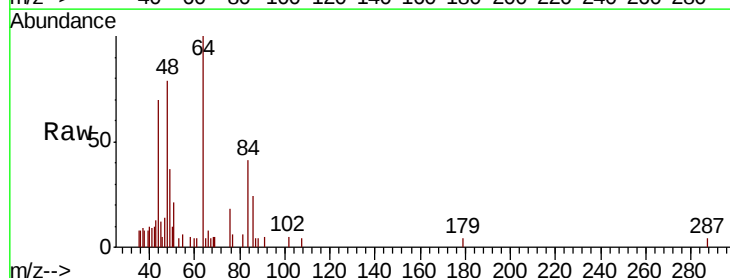
Tgt Ion: 84 Resp: 1919

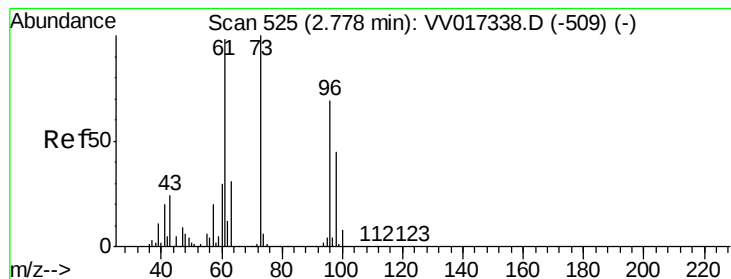
Ion Ratio Lower Upper

84 100

86 59.7 45.8 85.0

49 89.7 89.6 166.4





#18

trans-1,2-Dichloroethene

Concen: 3.316 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

H4288MSD

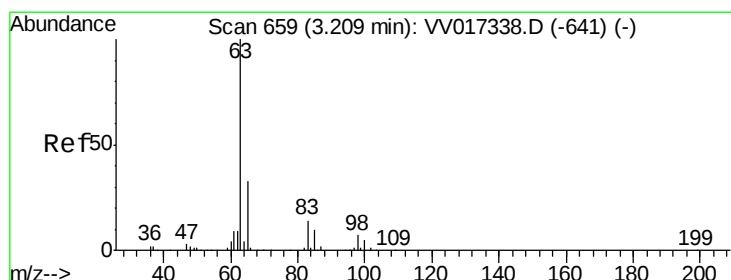
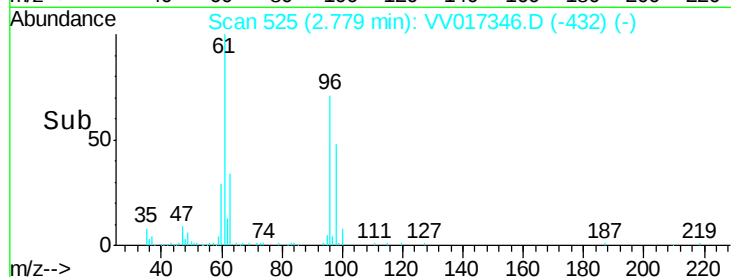
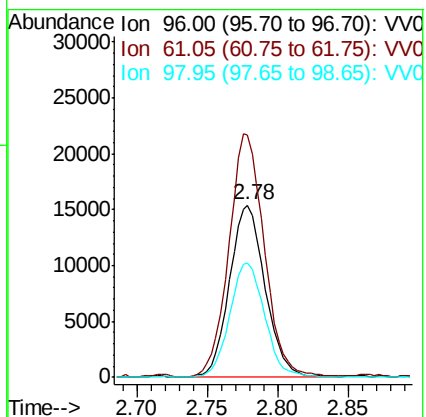
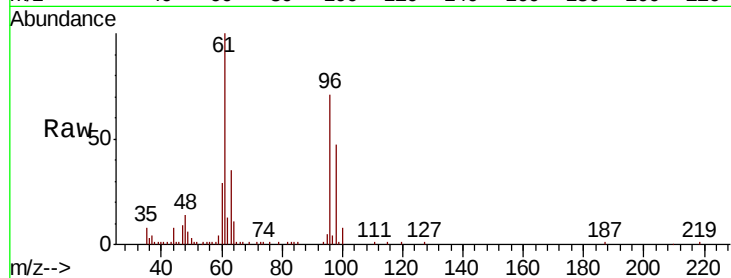
Tot Ion: 96 Resp: 27305

Ion Ratio Lower Upper

96 100

61 141.1 102.3 189.9

98 66.7 44.7 82.9



#19

1,1-Dichloroethane

Concen: 6.771 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

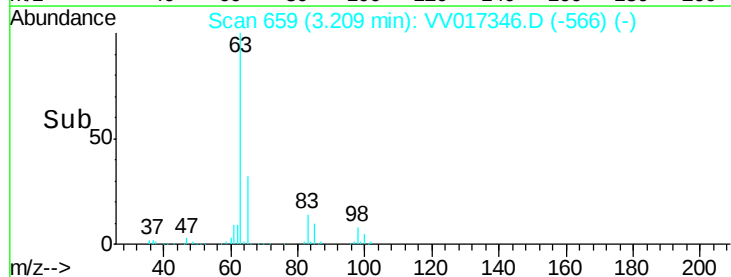
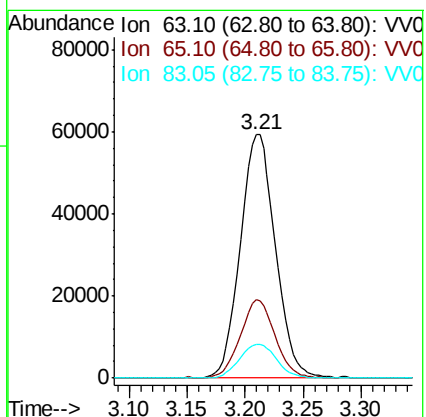
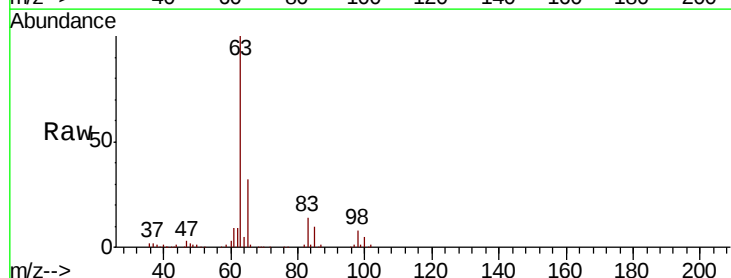
Tgt Ion: 63 Resp: 125298

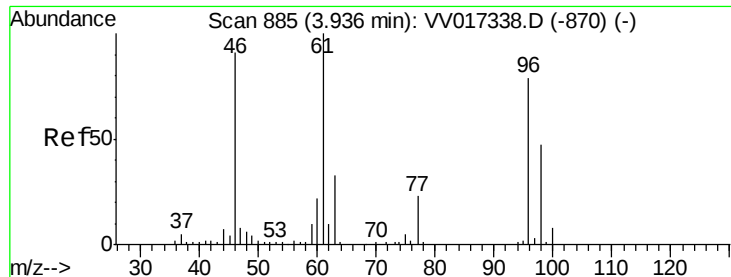
Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.4

83 13.7 9.7 17.9



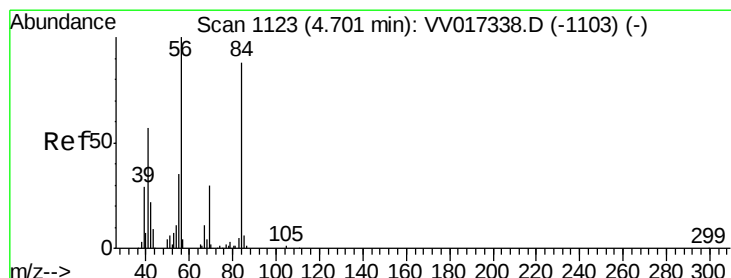
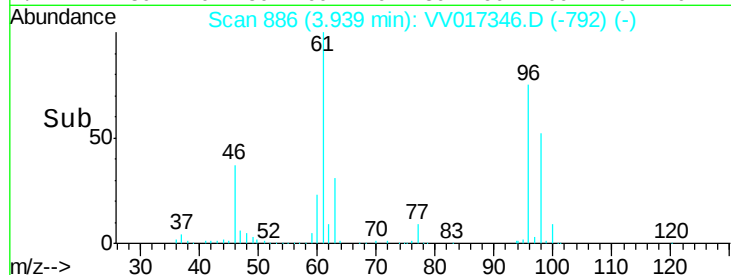
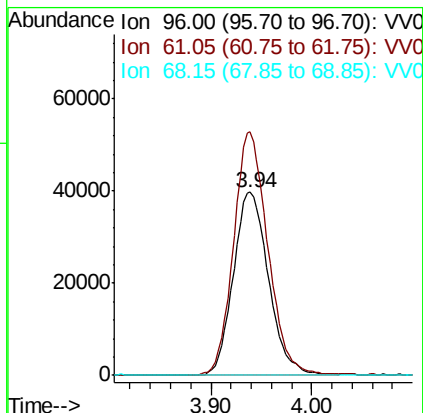
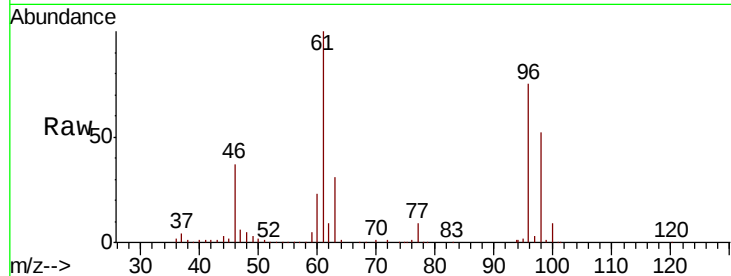


#22

cis-1,2-Dichloroethene
 Concen: 8.556 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017346.D
 Acq: 06 Jul 2020 12:53

Instrument :
 MSVOA_V
 ClientSampled :
 H4288MSD

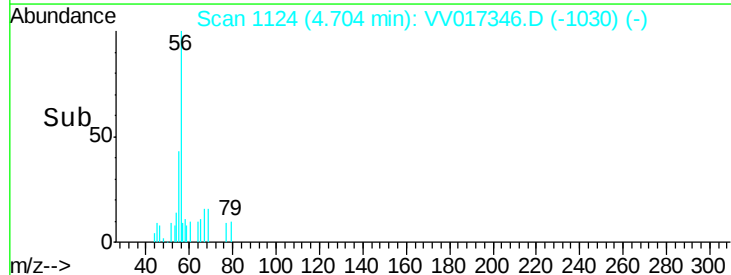
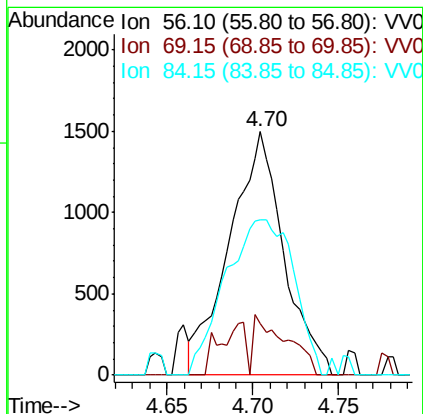
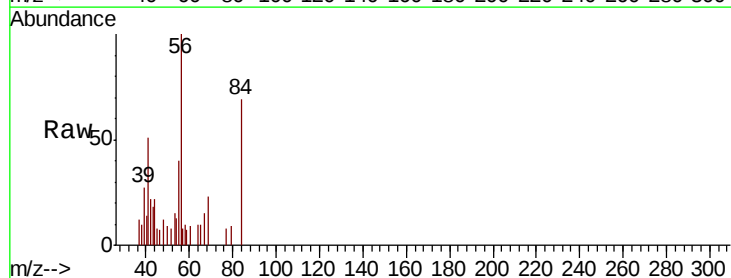
Tot Ion: 96 Resp: 96360
 Ion Ratio Lower Upper
 96 100
 61 133.0 91.0 169.0
 68 0.3 0.0 0.0#

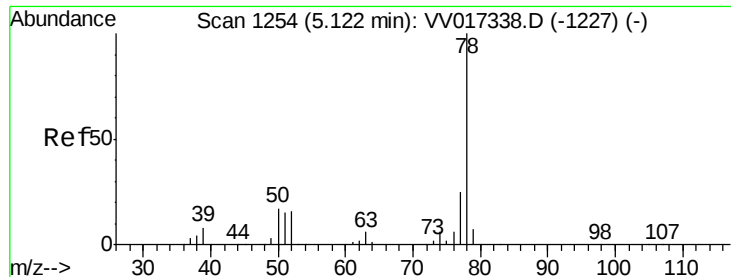


#30

Cyclohexane
 Concen: 0.183 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV017346.D
 Acq: 06 Jul 2020 12:53

Tgt Ion: 56 Resp: 3288
 Ion Ratio Lower Upper
 56 100
 69 14.9 24.4 36.6#
 84 80.4 69.9 104.9





#33

Benzene

Concen: 5.503 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

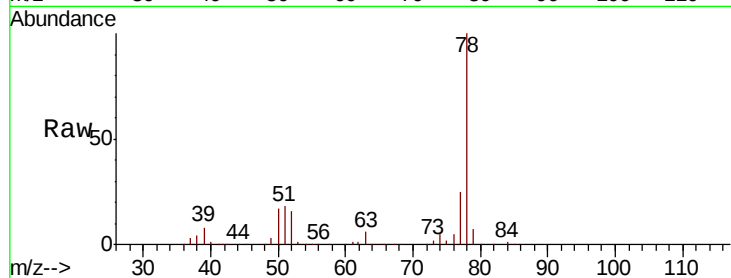
Instrument :

MSVOA_V

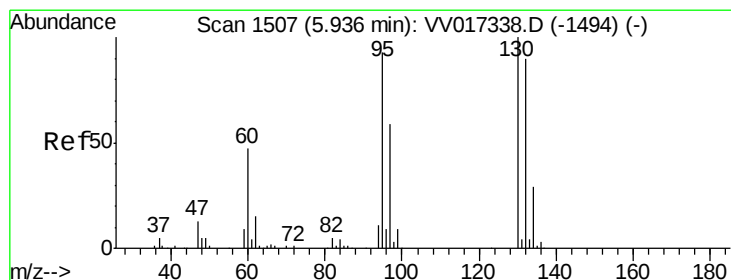
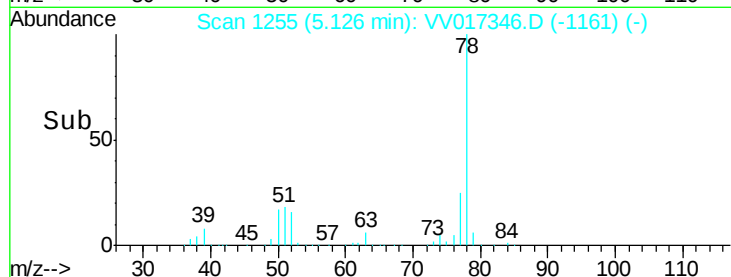
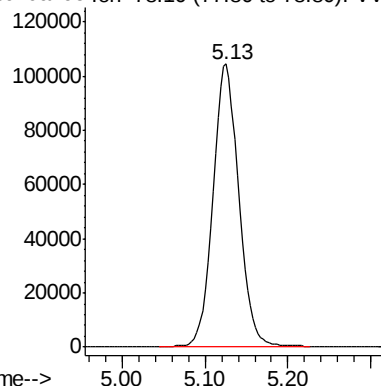
ClientSampleId :

H4288MSD

Tgt Ion: 78 Resp: 226849



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.872 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017346.D

Acq: 06 Jul 2020 12:53

Tgt Ion: 95 Resp: 58805

Ion	Ratio	Lower	Upper
95	100		
97	66.3	45.3	84.1
132	103.2	68.8	127.8
130	104.7	70.2	130.4

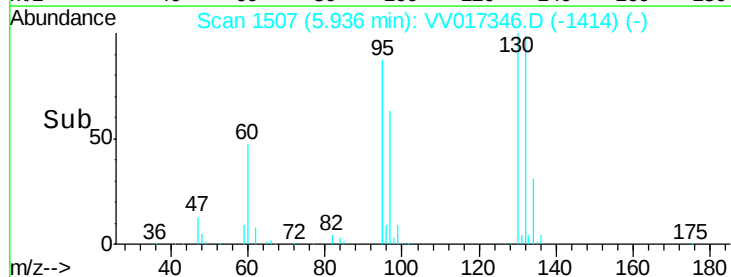
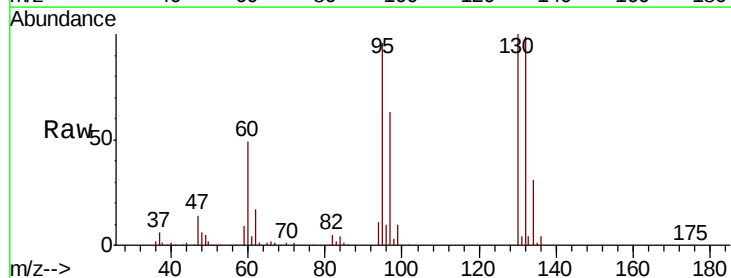
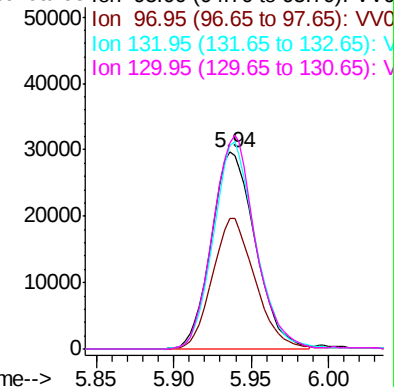
Ion 95.00 (94.70 to 95.70): VV0

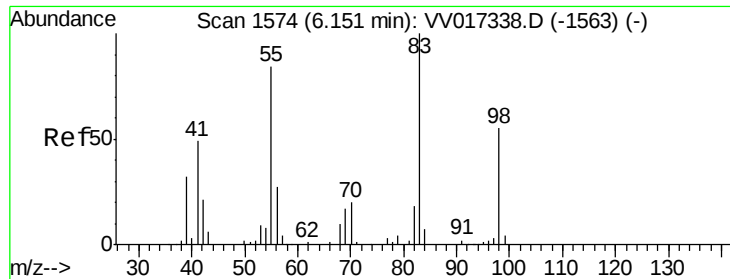
Ion 96.95 (96.65 to 97.65): VV0

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

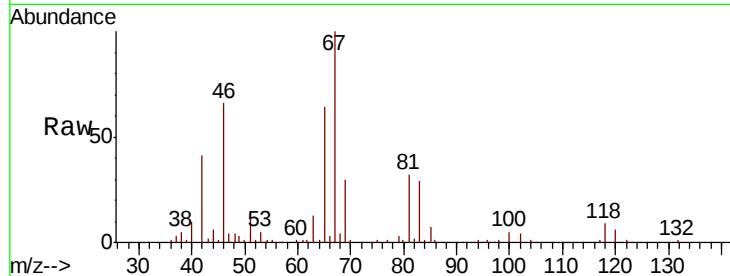




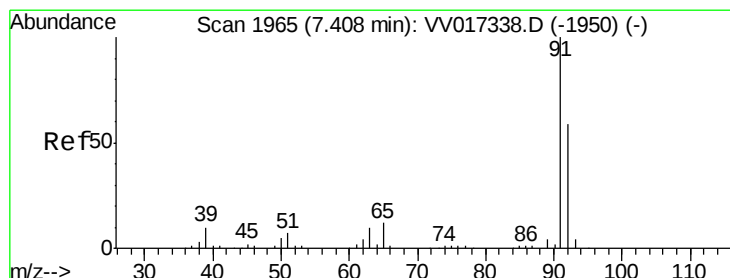
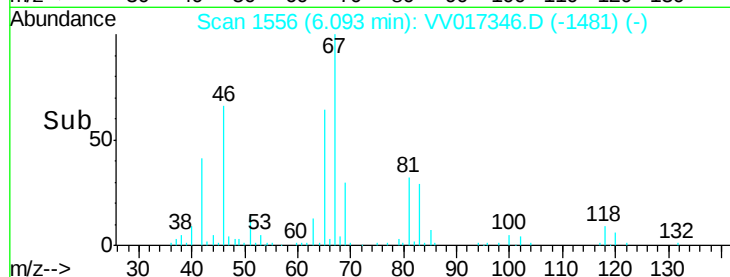
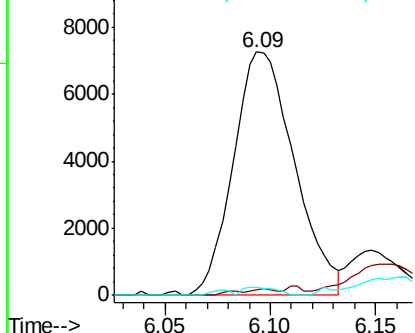
#35
Methvlcvclohexane
Concen: 0.778 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017346.D
Acq: 06 Jul 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
H4288MSD

Tot Ion: 83 Resp: 14608
Ion Ratio Lower Upper
83 100
55 1.2 63.6 95.4#
98 1.9 38.8 58.2#

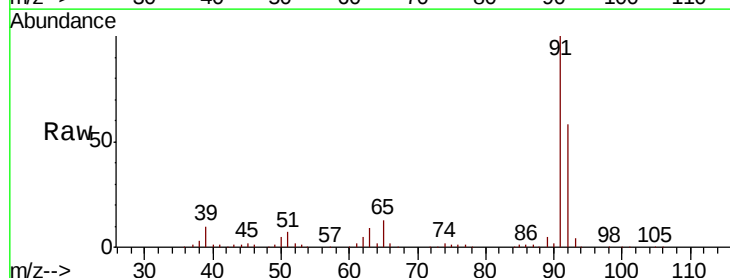


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

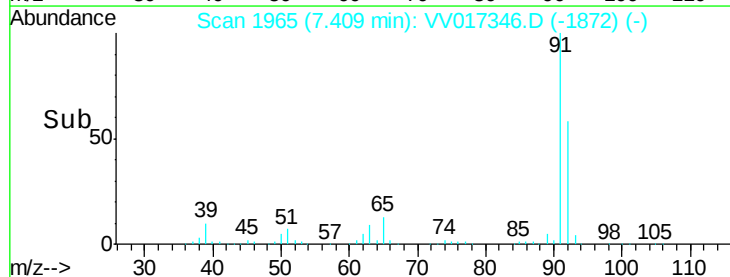
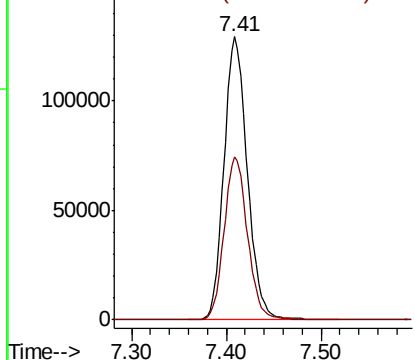


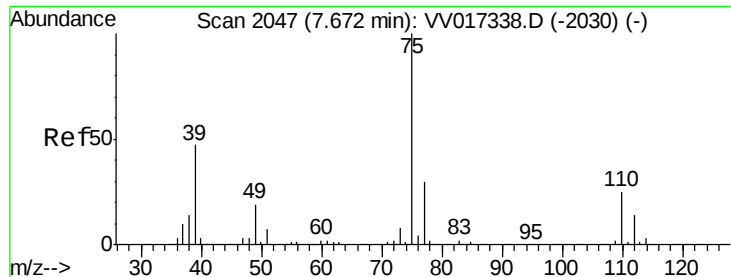
#42
Toluene
Concen: 4.633 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV017346.D
Acq: 06 Jul 2020 12:53

Tgt Ion: 91 Resp: 222036
Ion Ratio Lower Upper
91 100
92 57.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0

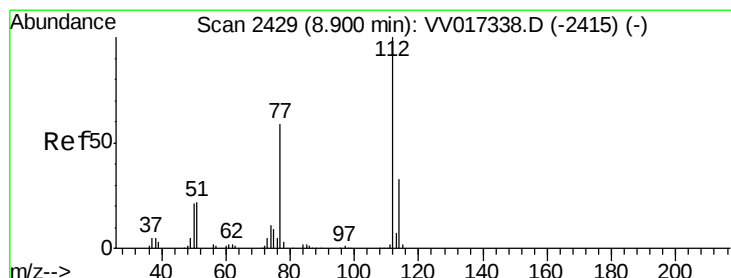
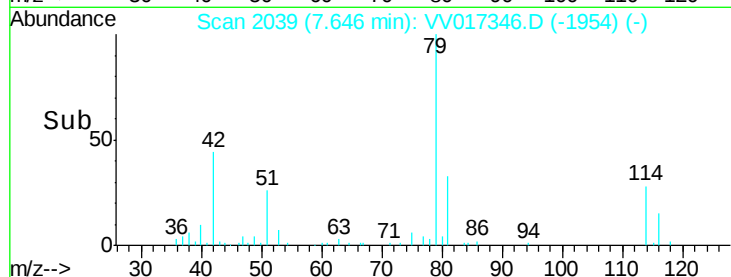
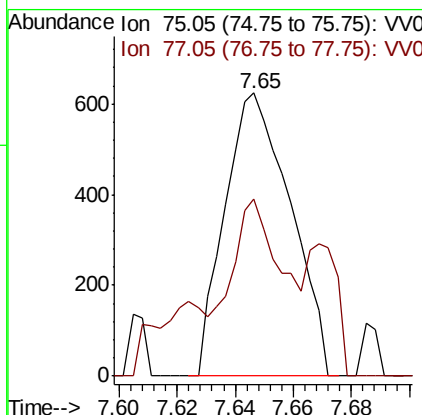
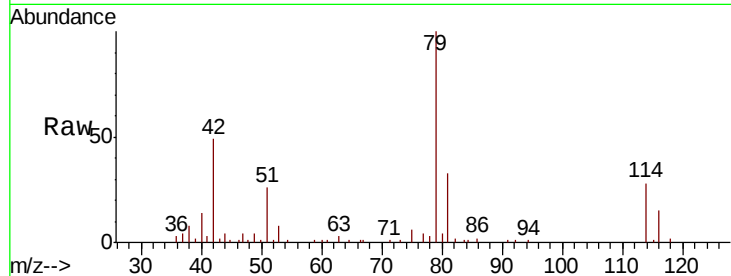




#46
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV017346.D
Acq: 06 Jul 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
H4288MSD

Tot Ion: 75 Resp: 982
Ion Ratio Lower Upper
75 100
77 62.7 22.3 41.3#



#53
Chlorobenzene
Concen: 4.949 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017346.D
Acq: 06 Jul 2020 12:53

Tgt Ion: 112 Resp: 147852
Ion Ratio Lower Upper
112 100
114 33.1 22.0 41.0
77 59.5 46.0 69.0

