

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017381.D
 Acq On : 07 Jul 2020 16:14
 Operator : SY/MD
 Sample : L3154-14DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:30:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	154623	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149398	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74175	5.00	ug/L	0.00

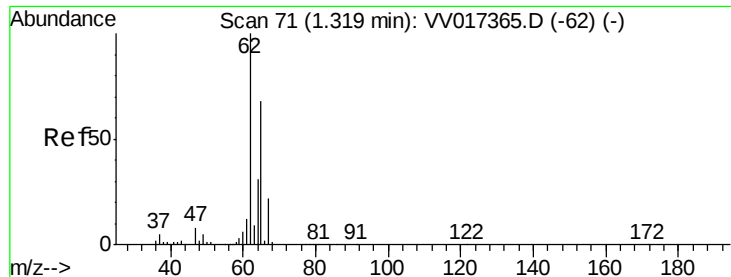
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40595	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	33884	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.13	63	65572	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	3.92	46	96214	40.68	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.36%
24) Chloroform-d	4.38	84	94188	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	51456	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.08	84	165122	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.10	67	47271	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	7.34	98	151879	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
45) trans-1,3-Dichloropropene-	7.65	79	19870	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
48) 2-Hexanone-d5	8.11	63	67906	36.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.76%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34645	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	63168	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	87735	8.647 ug/L	97
8) Chloroethane	1.60	64	18516	3.302 ug/L #	48
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1558	0.190 ug/L #	59
12) 1,1-Dichloroethene	2.13	96	957	0.129 ug/L #	1
16) Methylene chloride	2.52	84	2369	0.298 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	6834	0.869 ug/L	87
19) 1,1-Dichloroethane	3.22	63	27417	1.552 ug/L	92
22) cis-1,2-Dichloroethene	3.95	96	22731	2.114 ug/L #	100
33) Benzene	5.13	78	6044	0.154 ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	1483	0.103 ug/L	83
46) trans-1,3-Dichloropropene	7.65	75	903	0.073 ug/L #	5
50) 2-Hexanone	8.17	43	4098	1.030 ug/L #	71

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



#5

Vinyl chloride

Concen: 8.647 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

Instrument :

MSVOA_V

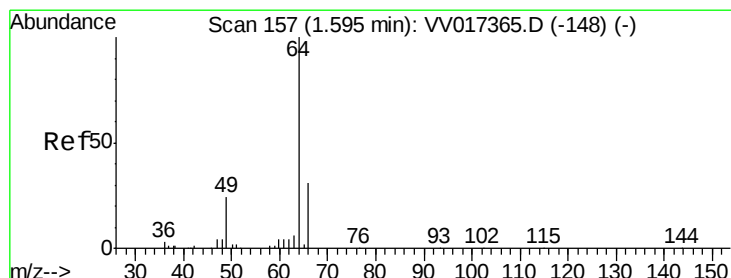
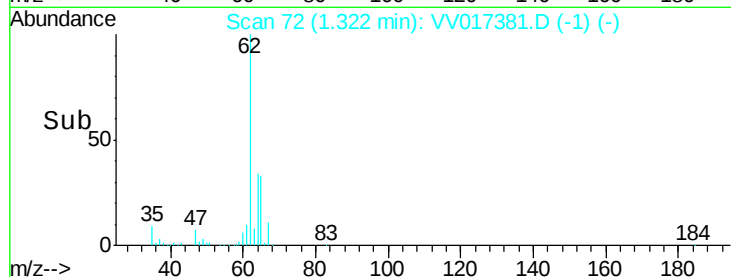
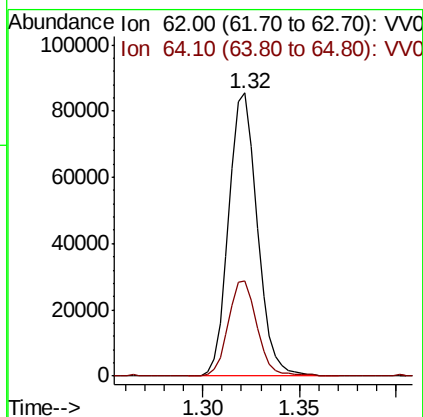
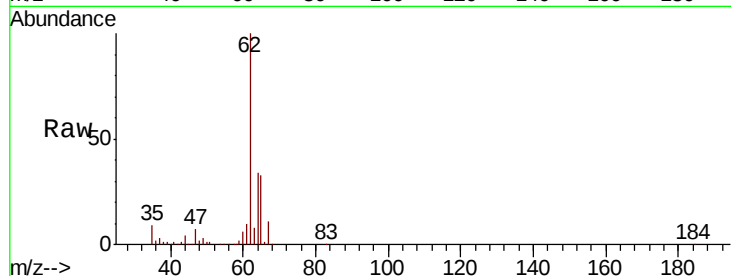
ClientSampleId :

Tot Ion: 62 Resp: 87735

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#8

Chloroethane

Concen: 3.302 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017381.D

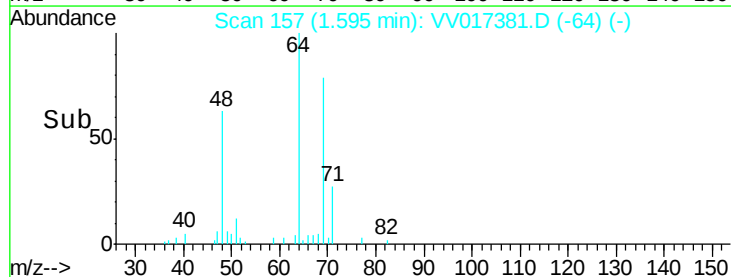
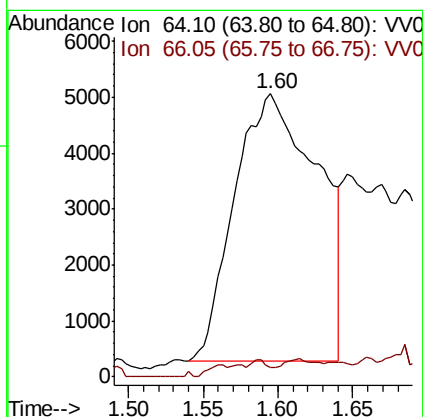
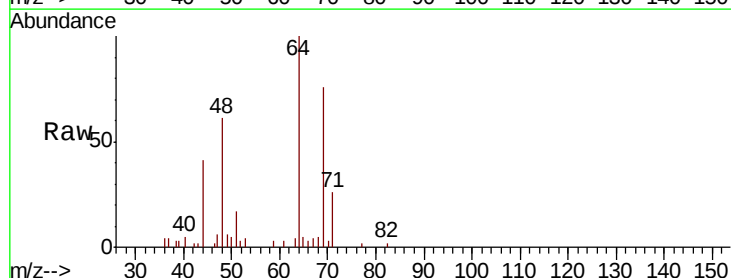
Acq: 07 Jul 2020 16:14

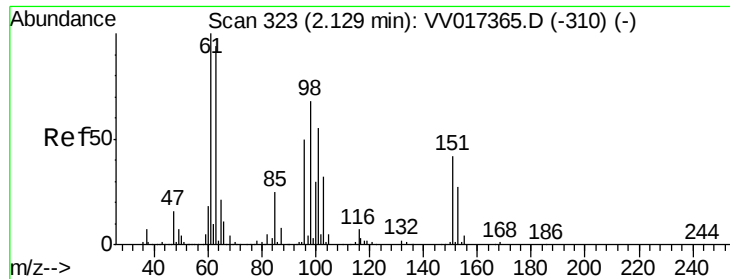
Tgt Ion: 64 Resp: 18516

Ion Ratio Lower Upper

64 100

66 3.5 22.8 42.4#





#10

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

Concen: 0.190 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

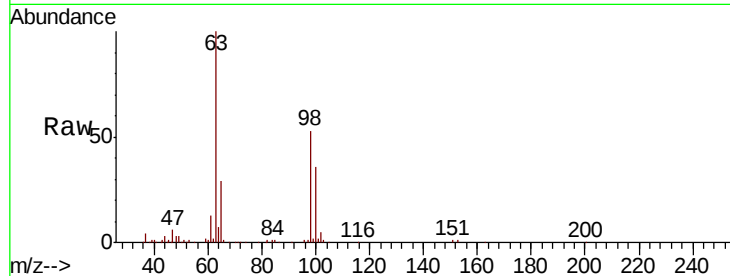
Tot Ion:101 Resp: 1558

Ion Ratio Lower Upper

101 100

85 23.2 35.4 53.2#

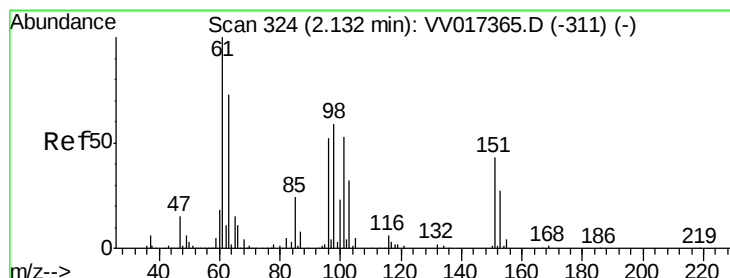
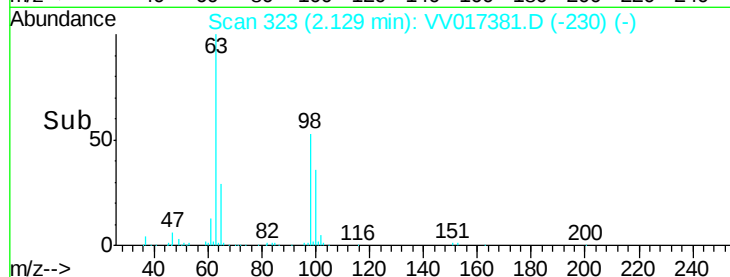
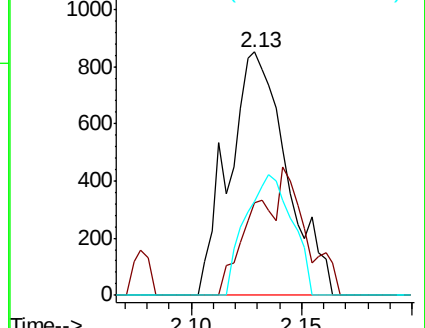
151 39.9 63.9 95.9#



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: 0.129 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

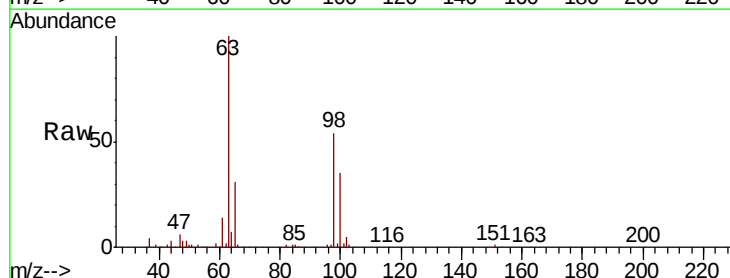
Tgt Ion: 96 Resp: 957

Ion Ratio Lower Upper

96 100

61 1238.8 125.0 232.2#

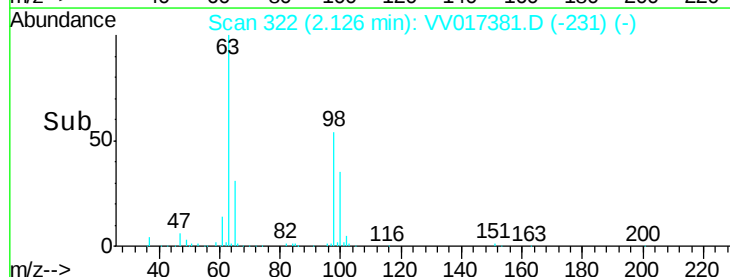
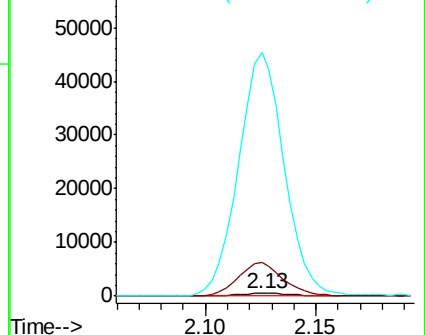
63 8926.0 109.8 203.8#

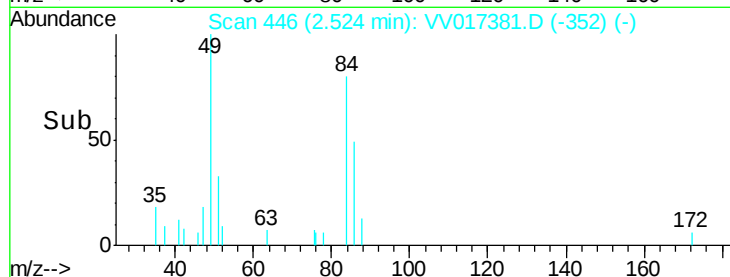
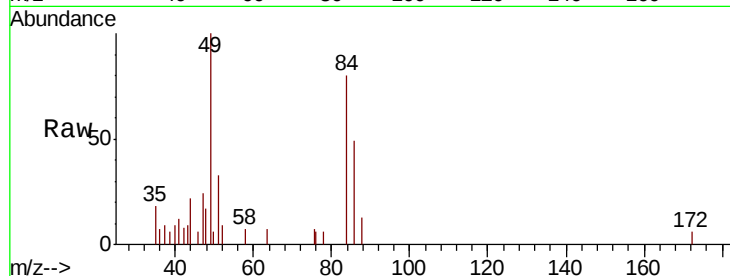
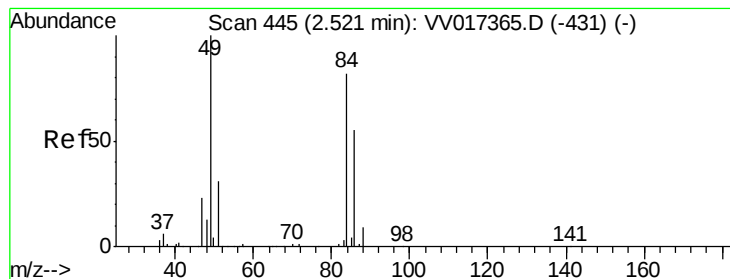


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#16

Methylene chloride

Concen: 0.298 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

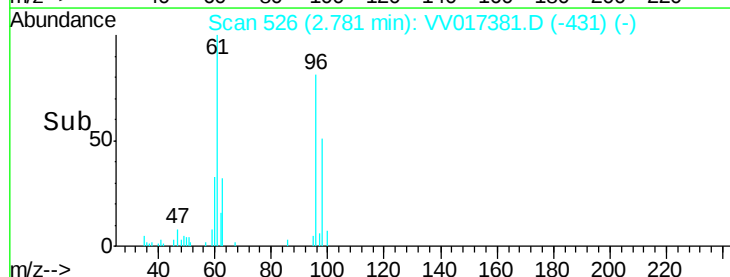
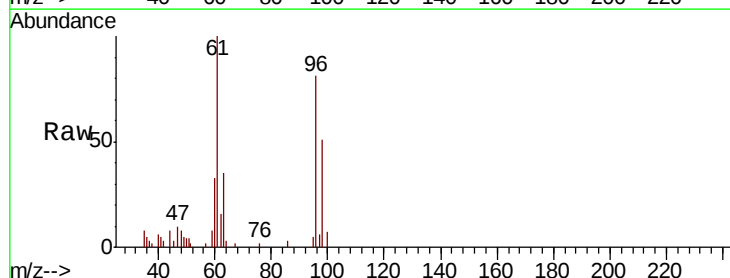
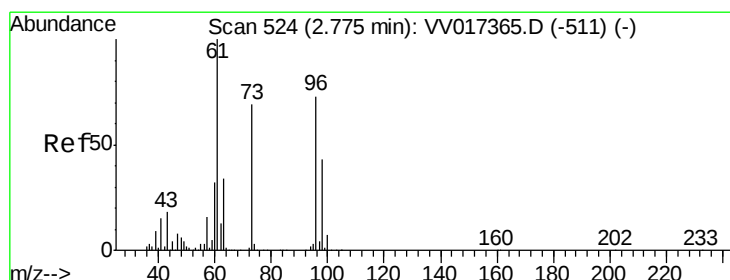
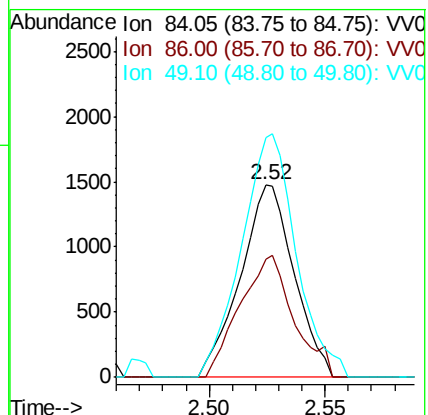
Tot Ion: 84 Resp: 2369

Ion Ratio Lower Upper

84 100

86 61.5 45.8 85.0

49 124.4 89.6 166.4



#18

trans-1,2-Dichloroethene

Concen: 0.869 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

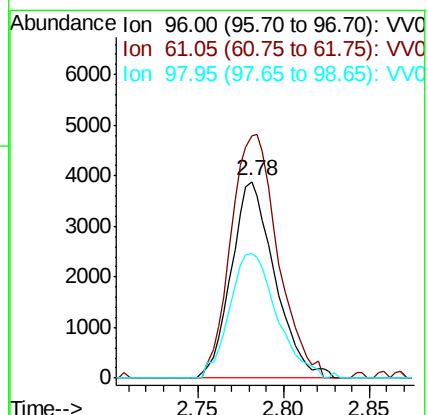
Tgt Ion: 96 Resp: 6834

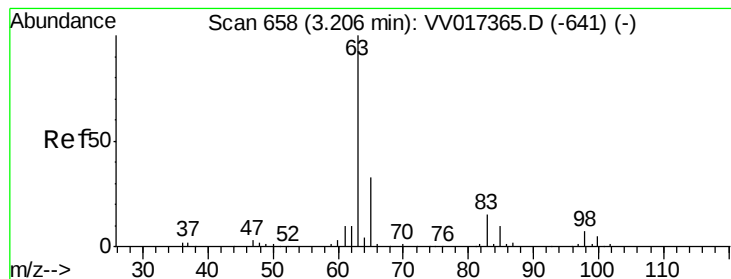
Ion Ratio Lower Upper

96 100

61 123.1 102.3 189.9

98 63.1 44.7 82.9





#19

1,1-Dichloroethane

Concen: 1.552 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

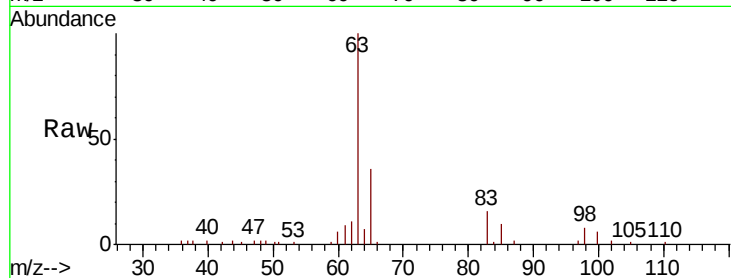
Tot Ion: 63 Resp: 27417

Ion Ratio Lower Upper

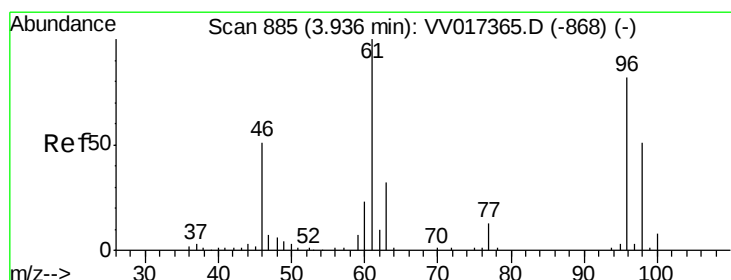
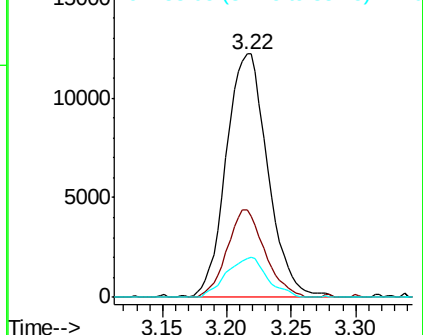
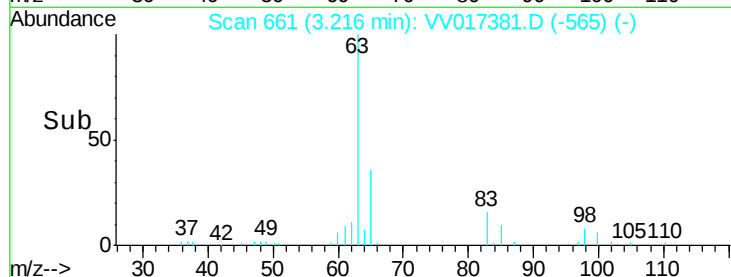
63 100

65 35.9 21.8 40.4

83 15.9 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV017381.D (-565) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.114 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

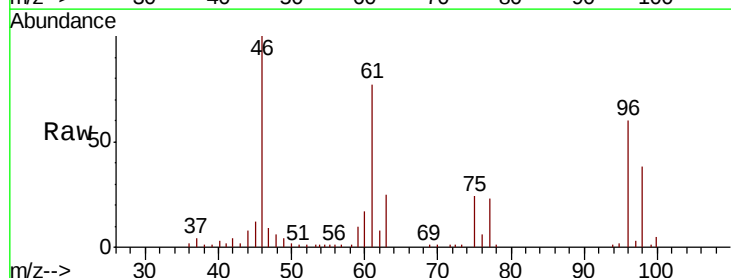
Tgt Ion: 96 Resp: 22731

Ion Ratio Lower Upper

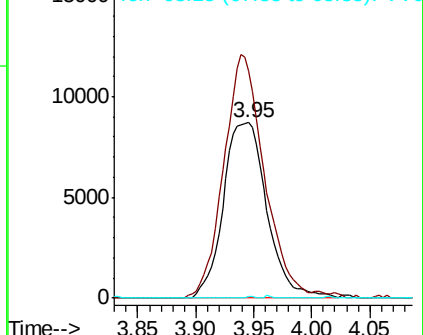
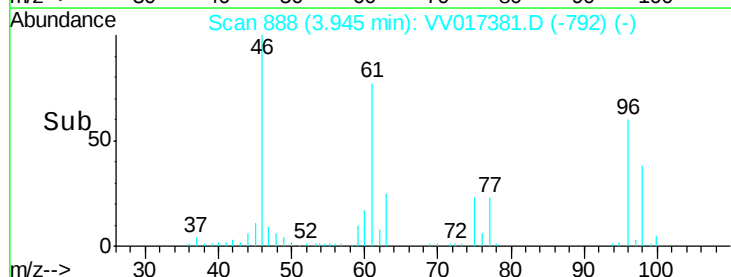
96 100

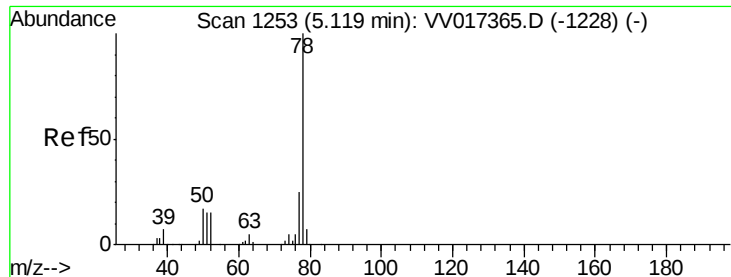
61 129.6 91.0 169.0

68 1.3 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VV017381.D (-792) (-)

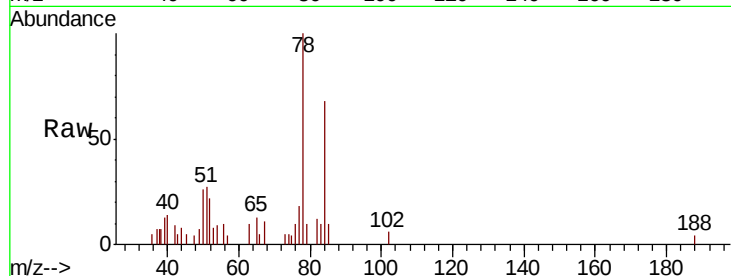




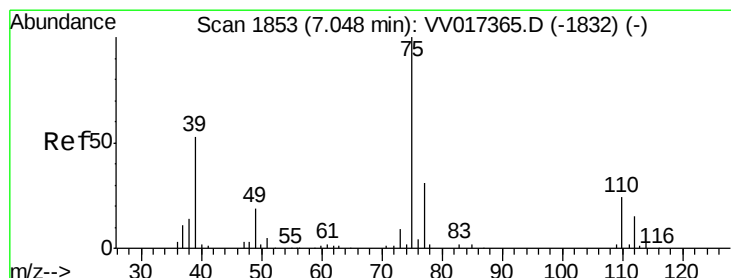
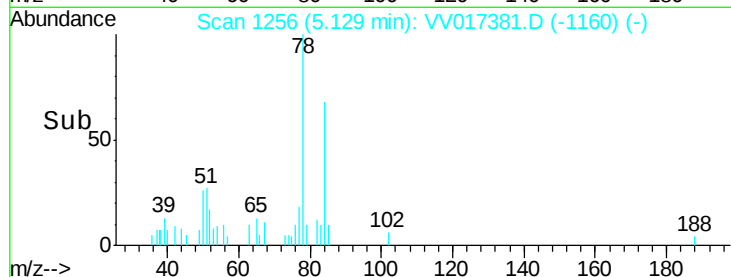
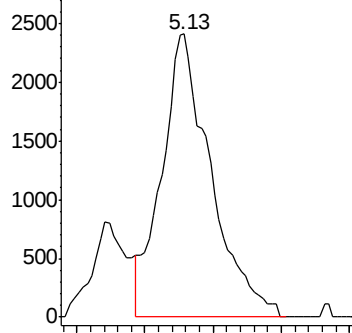
#33
Benzene
Concen: 0.154 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017381.D
Acq: 07 Jul 2020 16:14

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 6044

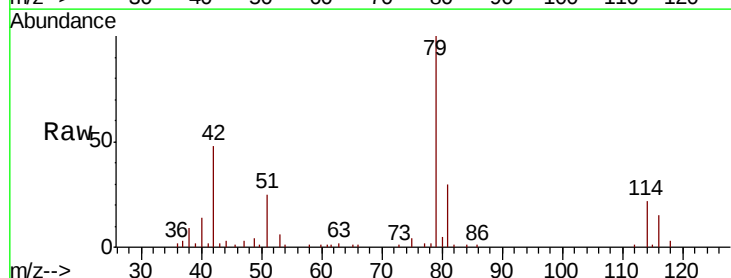


Abundance Ion 78.10 (77.80 to 78.80): VV0



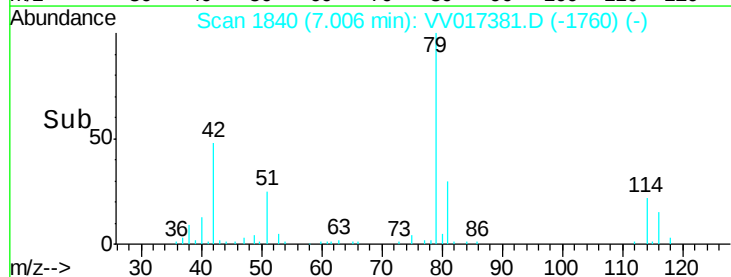
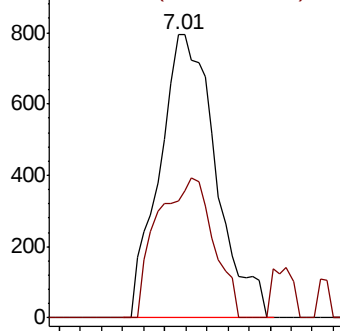
#39
cis-1,3-Dichloropropene
Concen: 0.103 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV017381.D
Acq: 07 Jul 2020 16:14

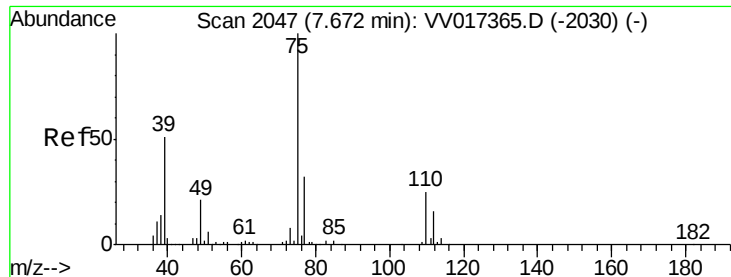
Tgt Ion: 75 Resp: 1483
Ion Ratio Lower Upper
75 100
77 41.2 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#46

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

Instrument :

MSVOA_V

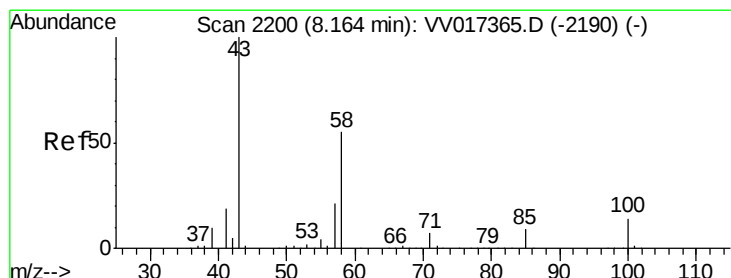
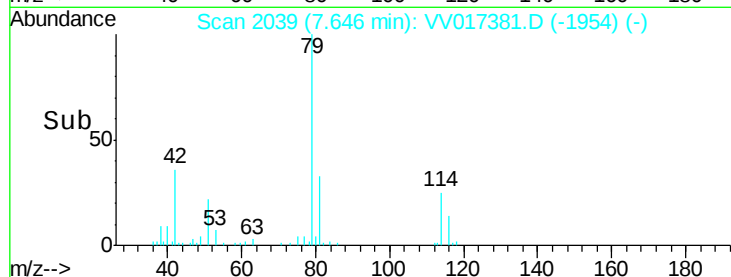
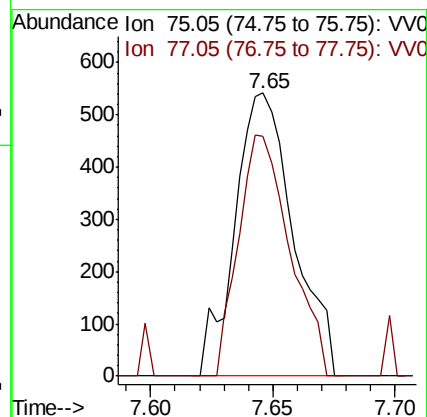
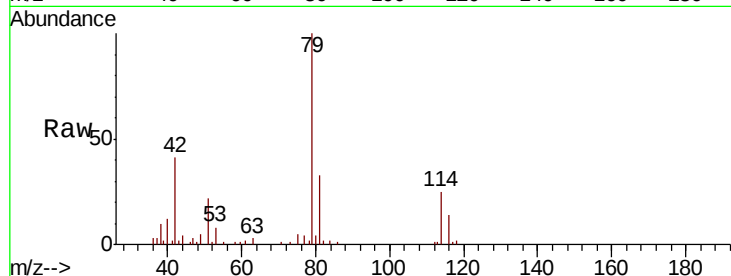
ClientSampled :

Tot Ion: 75 Resp: 903

Ion Ratio Lower Upper

75 100

77 84.7 22.3 41.3#



#50

2-Hexanone

Concen: 1.030 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017381.D

Acq: 07 Jul 2020 16:14

Tgt Ion: 43 Resp: 4098

Ion Ratio Lower Upper

43 100

58 23.9 41.6 62.4#

57 14.2 15.4 23.0#

100 7.8 10.1 15.1#

