

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017375.D
 Acq On : 07 Jul 2020 13:50
 Operator : SY/MD
 Sample : L3154-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:34:56 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	161576	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157985	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79121	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43881	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	34064	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	66785	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.92	46	102596	41.51	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.02%
24) Chloroform-d	4.38	84	94860	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.06	65	52397	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.08	84	170301	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.10	67	47039	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.60%
41) Toluene-d8	7.34	98	152951	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
45) trans-1,3-Dichloropropene-	7.65	79	20783	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
48) 2-Hexanone-d5	8.11	63	69056	35.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.92%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34766	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	64194	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

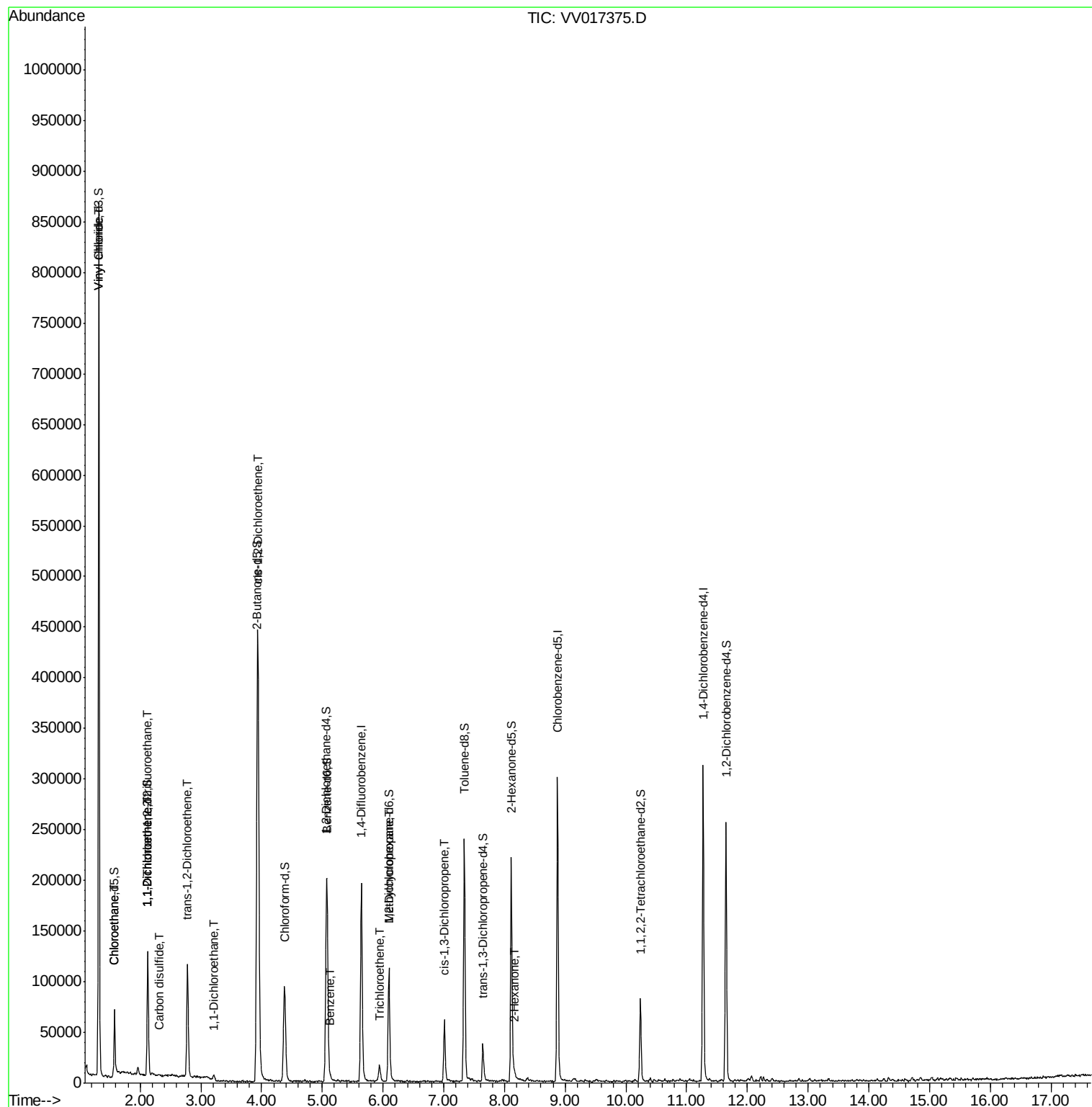
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	480102	45.282	ug/L	99
8) Chloroethane	1.58	64	10380	1.771	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	715	0.084	ug/L #	23
12) 1,1-Dichloroethene	2.14	96	2909	0.375	ug/L #	1
14) Carbon disulfide	2.32	76	1392	0.060	ug/L #	43
18) trans-1,2-Dichloroethene	2.78	96	39611	4.820	ug/L	97
19) 1,1-Dichloroethane	3.22	63	5239	0.284	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	227019	20.203	ug/L	99
33) Benzene	5.13	78	3358	0.081	ug/L	100
34) Trichloroethene	5.94	95	4952	0.409	ug/L	94
35) Methylcyclohexane	6.09	83	13833	0.734	ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	1780	0.117	ug/L #	76
50) 2-Hexanone	8.16	43	2844	0.676	ug/L #	58

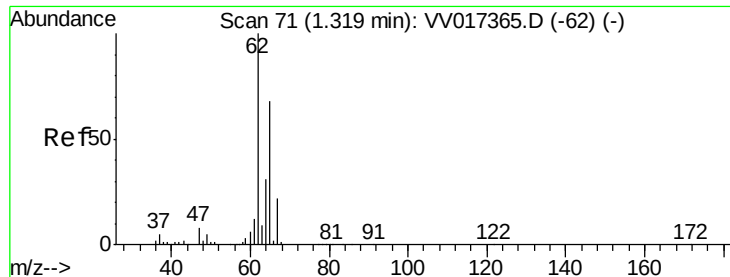
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 01:30:57 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 45.282 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

Instrument :

MSVOA_V

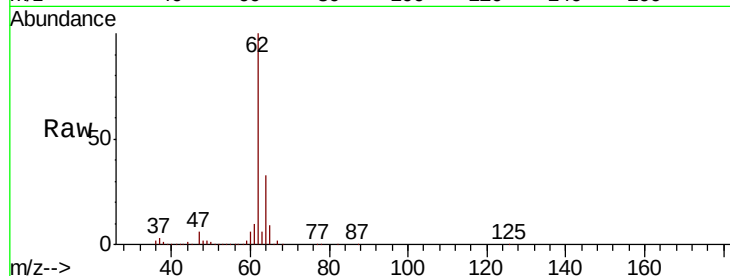
ClientSampled :

Tot Ion: 62 Resp: 480102

Ion Ratio Lower Upper

62 100

64 32.6 22.5 41.7

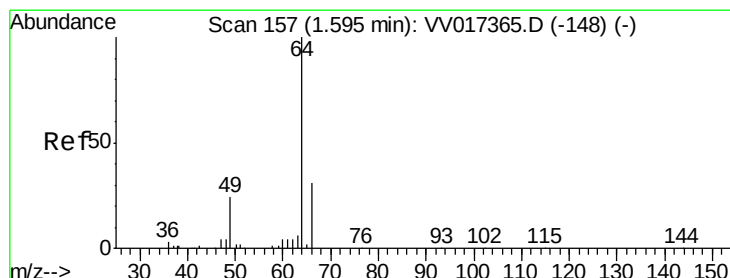
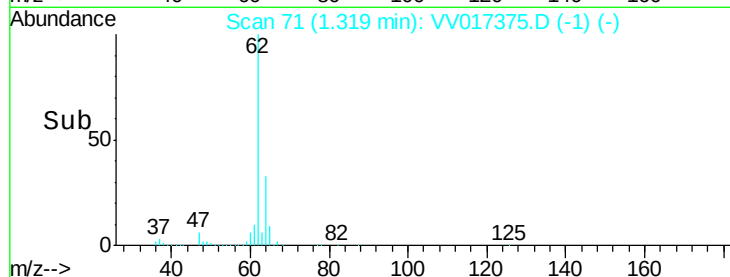


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

Time-->



#8

Chloroethane

Concen: 1.771 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV017375.D

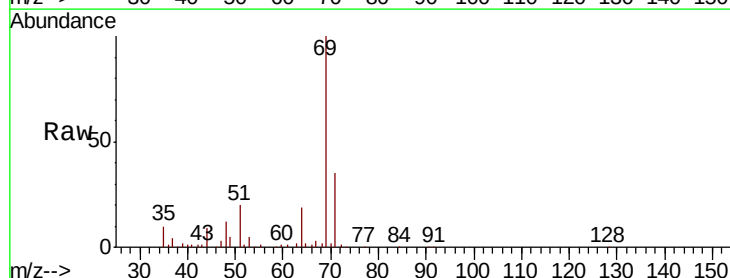
Acq: 07 Jul 2020 13:50

Tgt Ion: 64 Resp: 10380

Ion Ratio Lower Upper

64 100

66 6.0 22.8 42.4#

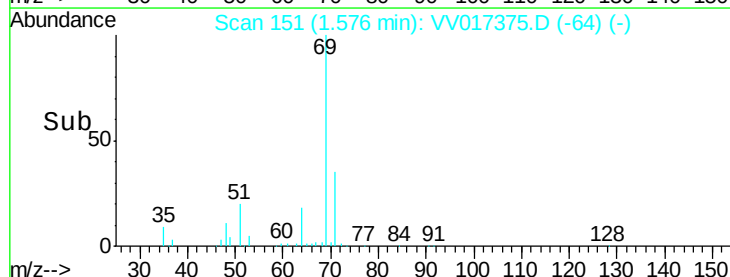


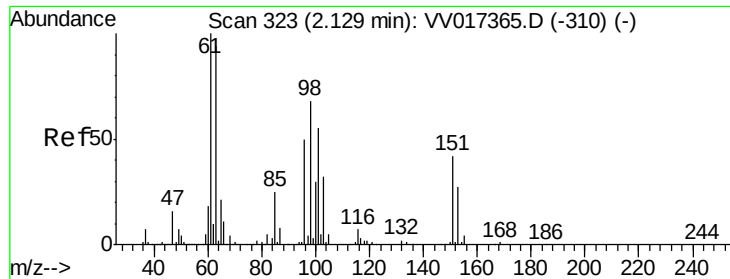
Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.58

Time-->





#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

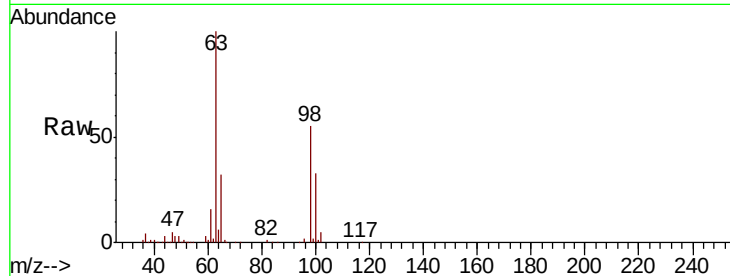
Tot Ion:101 Resp: 715

Ion Ratio Lower Upper

101 100

85 6.3 35.4 53.2#

151 3.1 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

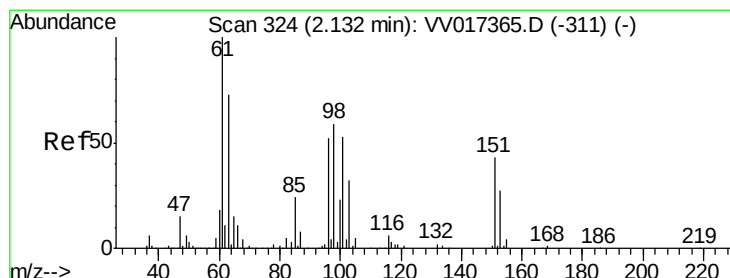
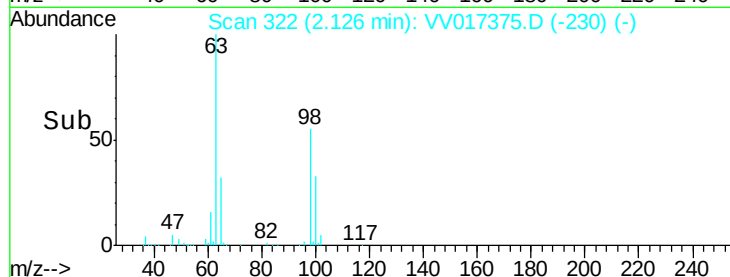
2.13

400

200

0

Time--> 2.08 2.10 2.12 2.14 2.16



#12

1,1-Dichloroethene

Concen: 0.375 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

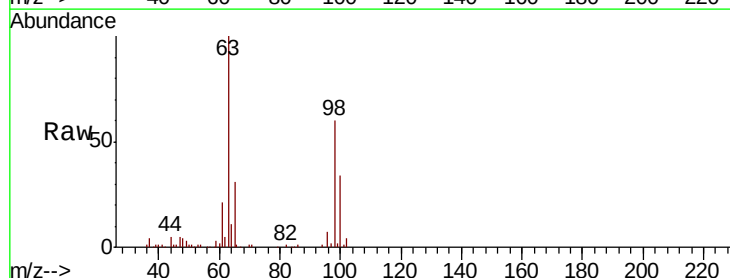
Tgt Ion: 96 Resp: 2909

Ion Ratio Lower Upper

96 100

61 295.7 125.0 232.2#

63 1417.1 109.8 203.8#



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

60000

50000

40000

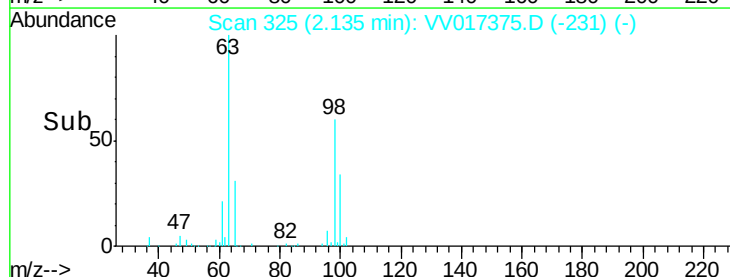
30000

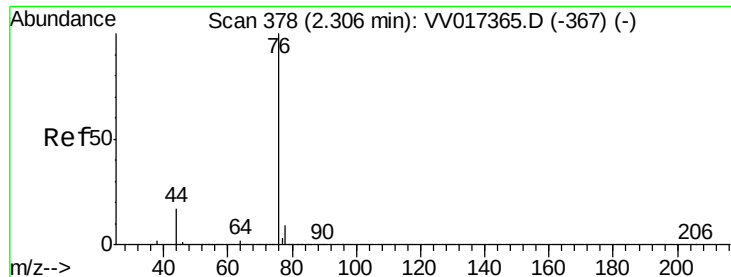
20000

10000

0

Time--> 2.10 2.15





#14

Carbon disulfide

Concen: 0.060 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

Instrument :

MSVOA_V

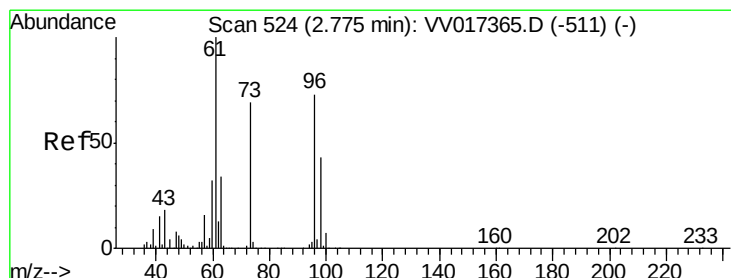
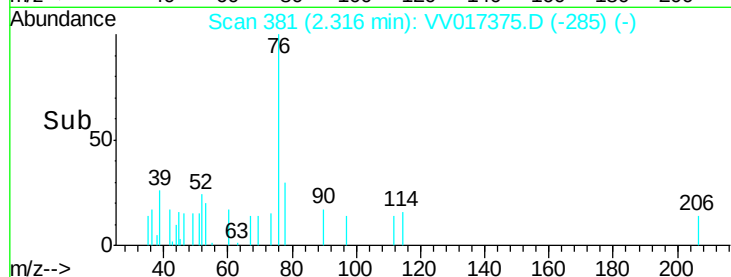
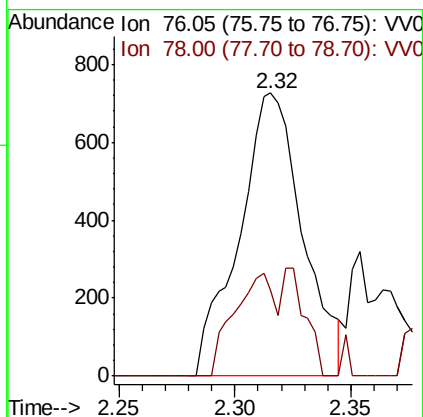
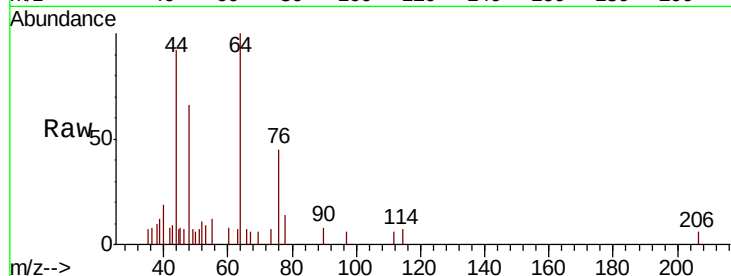
ClientSampleId :

Tot Ion: 76 Resp: 1392

Ion Ratio Lower Upper

76 100

78 30.4 7.7 11.5#



#18

trans-1,2-Dichloroethene

Concen: 4.820 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

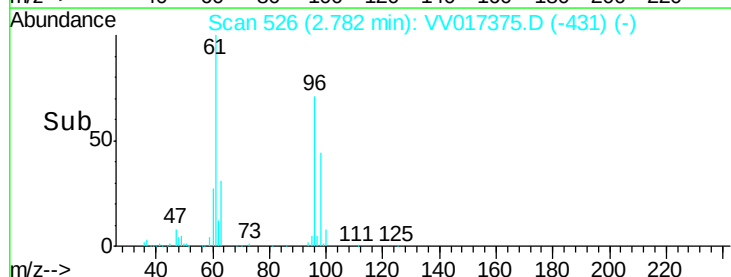
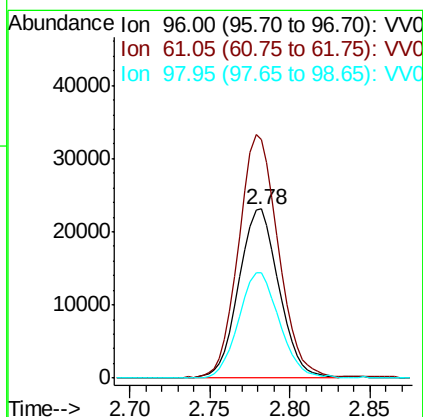
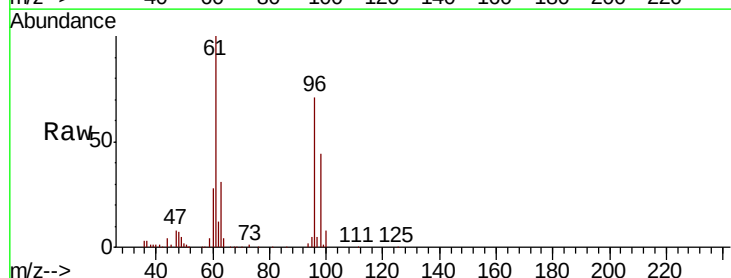
Tgt Ion: 96 Resp: 39611

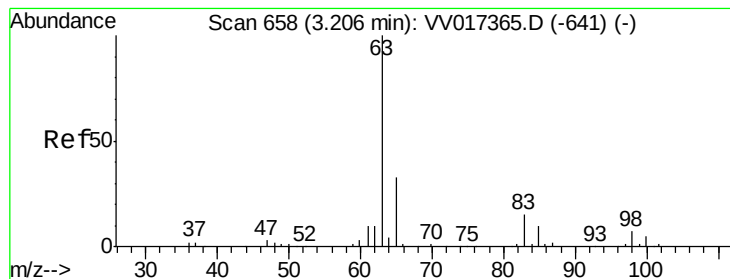
Ion Ratio Lower Upper

96 100

61 141.3 102.3 189.9

98 62.0 44.7 82.9





#19

1,1-Dichloroethane

Concen: 0.284 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

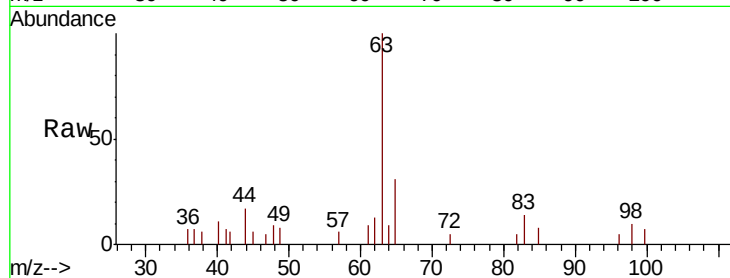
Tot Ion: 63 Resp: 5239

Ion Ratio Lower Upper

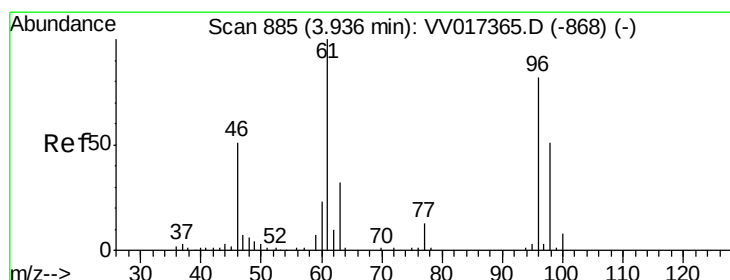
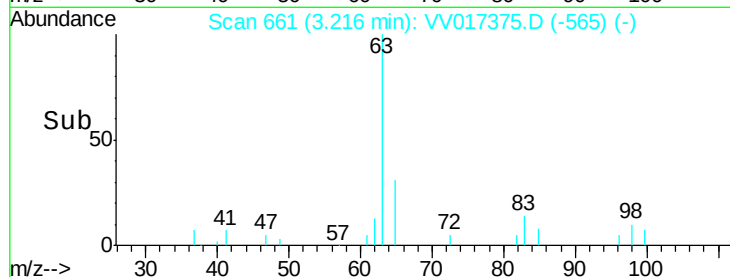
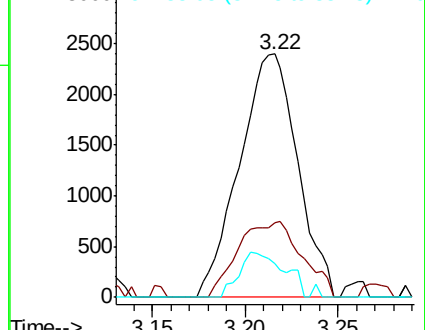
63 100

65 30.6 21.8 40.4

83 13.6 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: 20.203 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017375.D

Acq: 07 Jul 2020 13:50

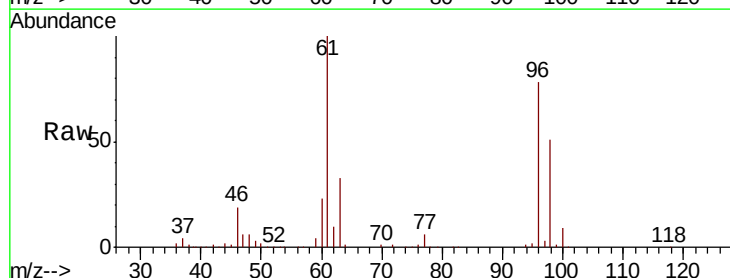
Tgt Ion: 96 Resp: 227019

Ion Ratio Lower Upper

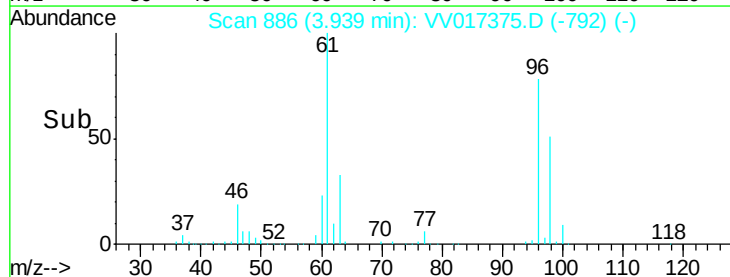
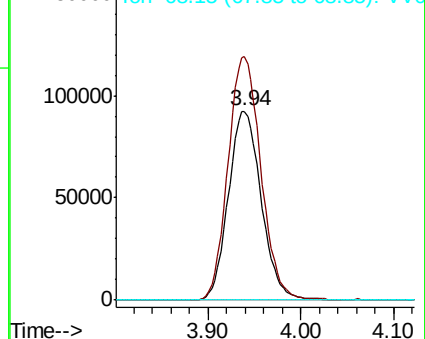
96 100

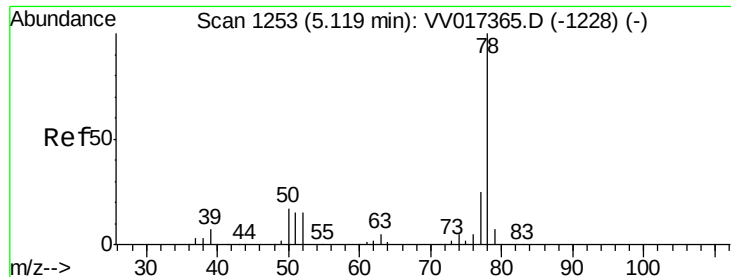
61 129.0 91.0 169.0

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

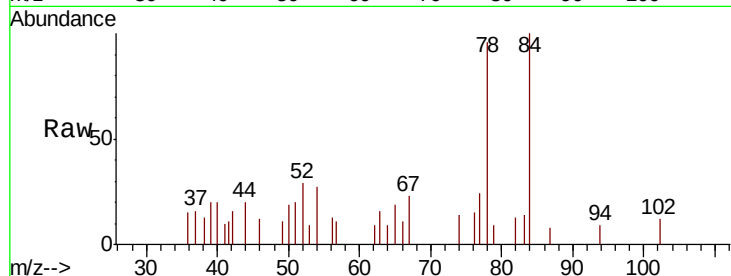




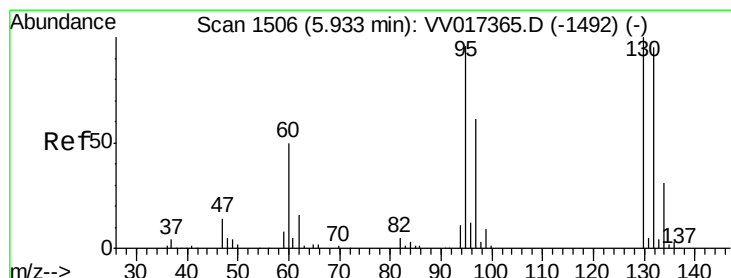
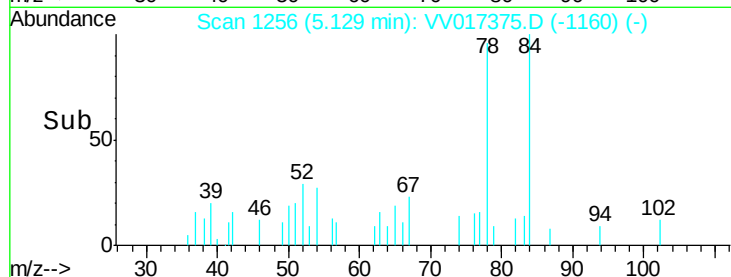
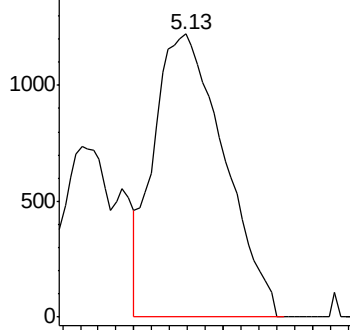
#33
Benzene
Concen: 0.081 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017375.D
Acq: 07 Jul 2020 13:50

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 3358

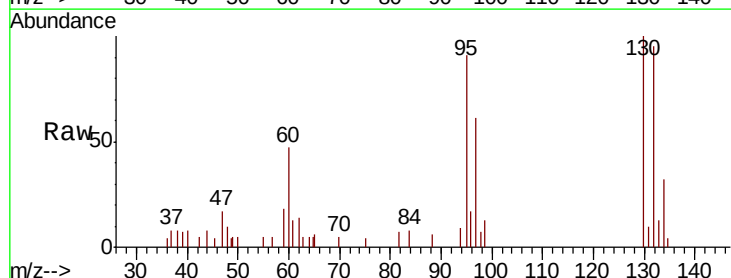


Abundance Ion 78.10 (77.80 to 78.80): VV0



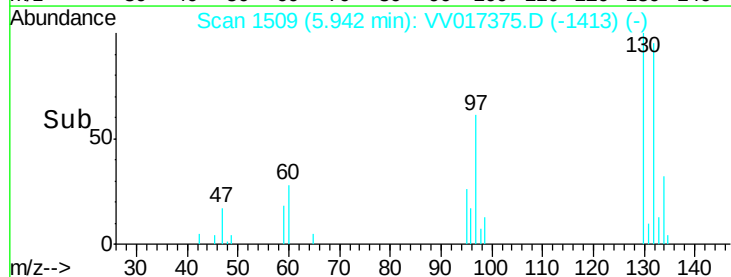
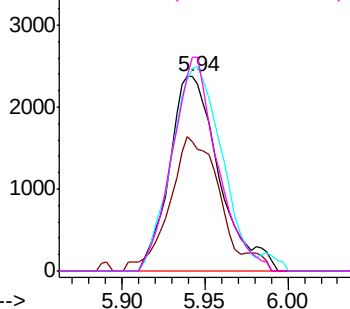
#34
Trichloroethene
Concen: 0.409 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017375.D
Acq: 07 Jul 2020 13:50

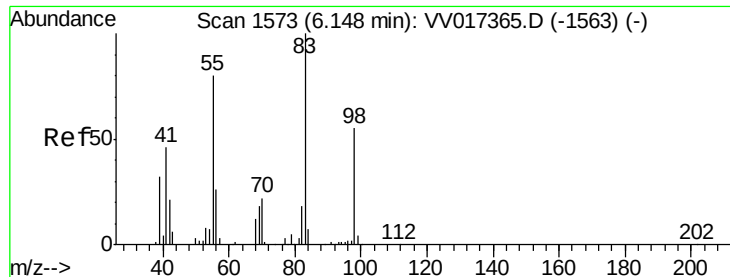
Tgt Ion: 95 Resp: 4952
Ion Ratio Lower Upper
95 100
97 66.6 45.3 84.1
132 104.1 68.8 127.8
130 110.0 70.2 130.4



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

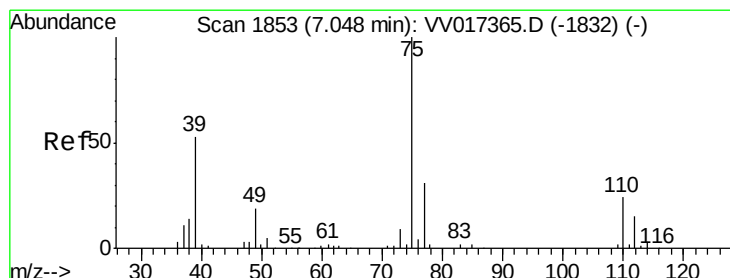
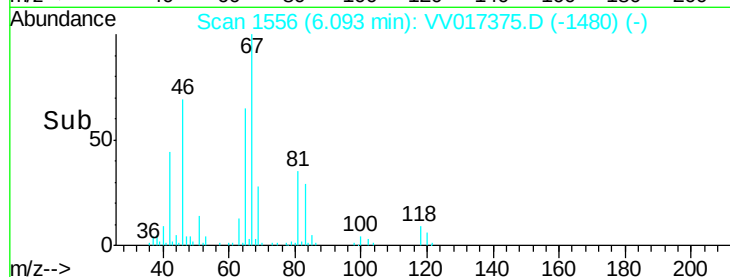
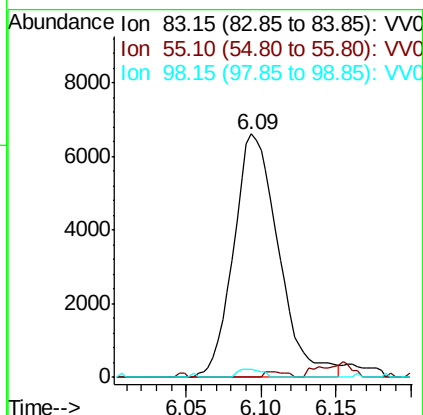
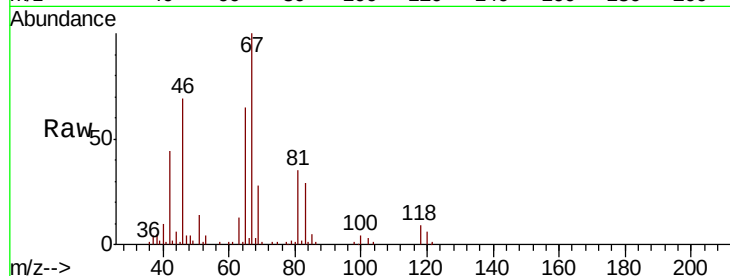




#35
Methylcyclohexane
Concen: 0.734 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.05 min
Lab File: VV017375.D
Acq: 07 Jul 2020 13:50

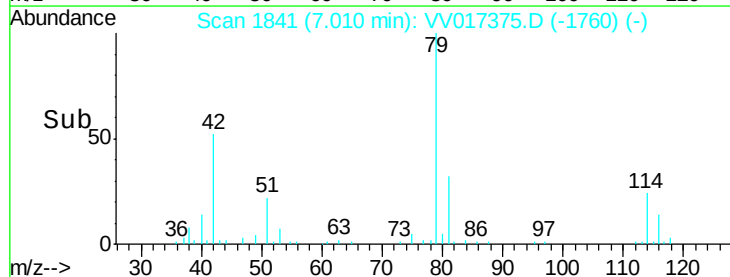
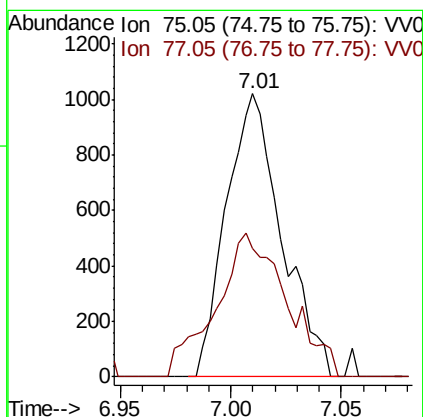
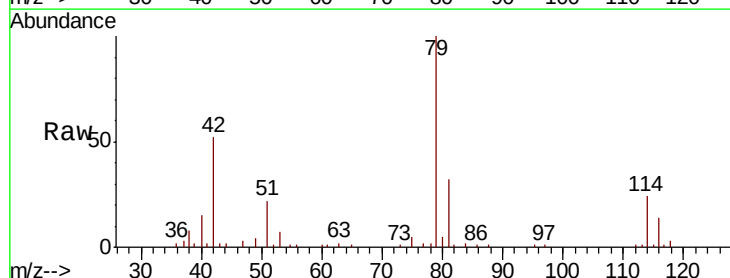
Instrument :
MSVOA_V
ClientSampleId :

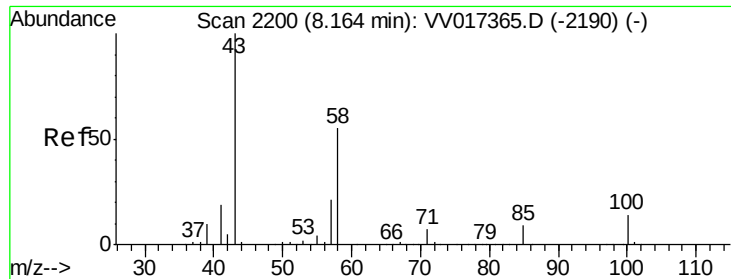
Tot Ion: 83 Resp: 13833
Ion Ratio Lower Upper
83 100
55 1.1 63.6 95.4#
98 1.8 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.117 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017375.D
Acq: 07 Jul 2020 13:50

Tgt Ion: 75 Resp: 1780
Ion Ratio Lower Upper
75 100
77 45.2 22.3 41.5#





#50
 2-Hexanone
 Concen: 0.676 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VV017375.D
 Acq: 07 Jul 2020 13:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	43	Resp:	2844
Ion	Ratio	Lower	Upper
43	100		
58	13.7	41.6	62.4#
57	12.3	15.4	23.0#
100	0.8	10.1	15.1#

