

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017374.D
 Acq On : 07 Jul 2020 13:26
 Operator : SY/MD
 Sample : L3154-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:34:45 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	162477	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	160267	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80205	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40954	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	34806	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.13	63	64756	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.93	46	103642	41.70	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.40%
24) Chloroform-d	4.38	84	93911	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.06	65	54732	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.08	84	169671	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
36) 1,2-Dichloropropane-d6	6.10	67	49757	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.34	98	157297	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
45) trans-1,3-Dichloropropene-	7.65	79	20948	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
48) 2-Hexanone-d5	8.11	63	73846	37.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.76%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36007	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	67020	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	226688	21.262	ug/L	99
8) Chloroethane	1.32	64	73819	12.528	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	728	0.085	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	1034	0.133	ug/L #	1
14) Carbon disulfide	2.31	76	1759	0.075	ug/L #	78
15) Methyl Acetate	2.51	43	1393	0.454	ug/L #	57
18) trans-1,2-Dichloroethene	2.78	96	15144	1.833	ug/L	98
19) 1,1-Dichloroethane	3.21	63	2728	0.147	ug/L #	85
22) cis-1,2-Dichloroethene	3.94	96	54027	4.781	ug/L	99
30) Cyclohexane	4.70	56	1880	0.103	ug/L #	24
34) Trichloroethene	5.94	95	1965	0.160	ug/L #	92
35) Methylcyclohexane	6.09	83	13736	0.719	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	7128	0.686	ug/L #	91
39) cis-1,3-Dichloropropene	7.01	75	1722	0.112	ug/L #	68
46) trans-1,3-Dichloropropene	7.64	75	1306	0.098	ug/L	90
47) 1,1,2-Trichloroethane	7.81	97	2141	0.291	ug/L #	21
50) 2-Hexanone	8.16	43	4315	1.011	ug/L #	67

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

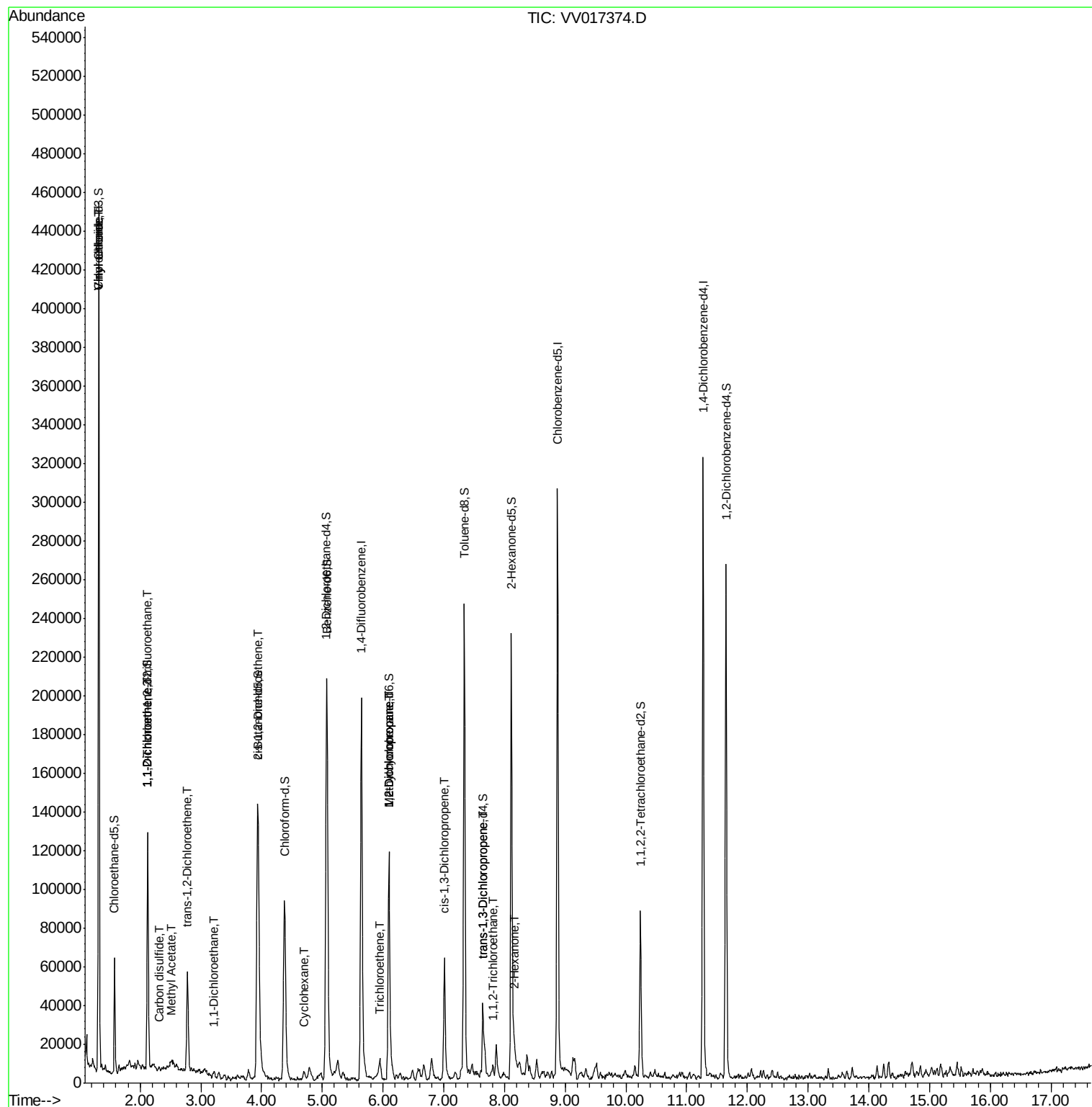
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

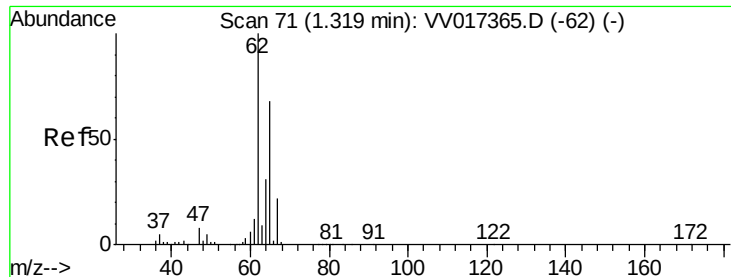
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 21.262 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_V

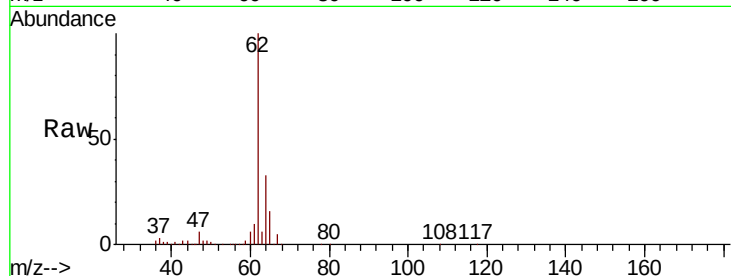
ClientSampled :

Tot Ion: 62 Resp: 226688

Ion Ratio Lower Upper

62 100

64 32.7 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

250000

200000

150000

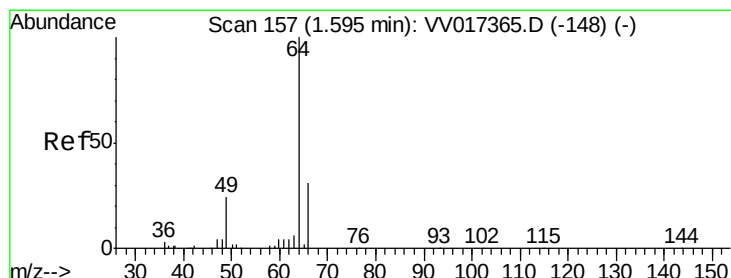
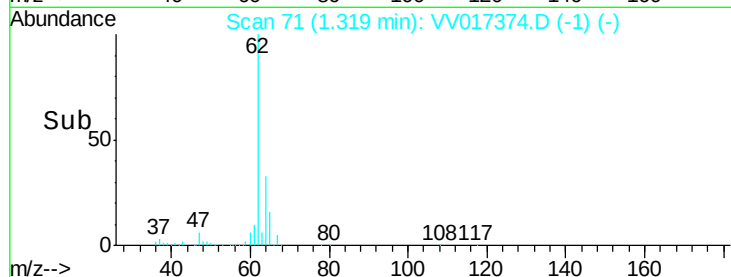
100000

50000

0

Time-->

1.30 1.35



#8

Chloroethane

Concen: 12.528 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017374.D

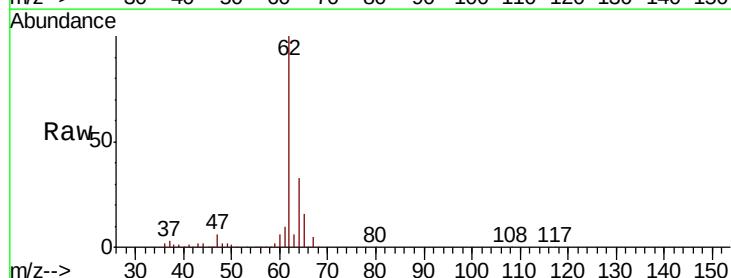
Acq: 07 Jul 2020 13:26

Tgt Ion: 64 Resp: 73819

Ion Ratio Lower Upper

64 100

66 1.2 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.32

80000

60000

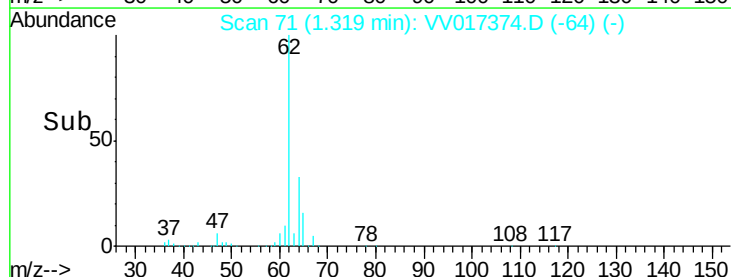
40000

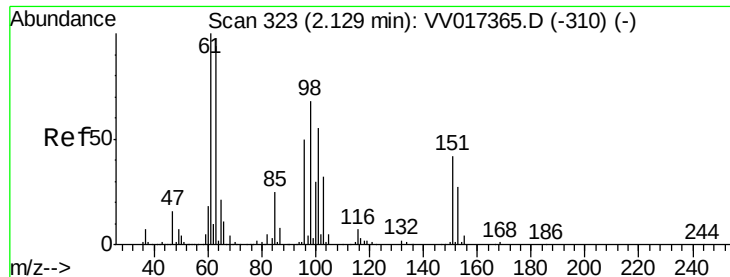
20000

0

Time-->

1.30 1.35 1.40





#10

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

Concen: 0.085 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_V

ClientSampled :

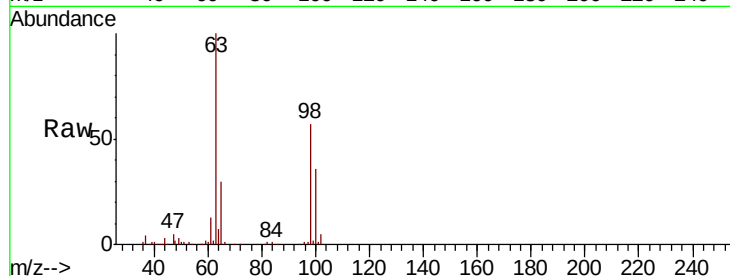
Tot Ion:101 Resp: 728

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

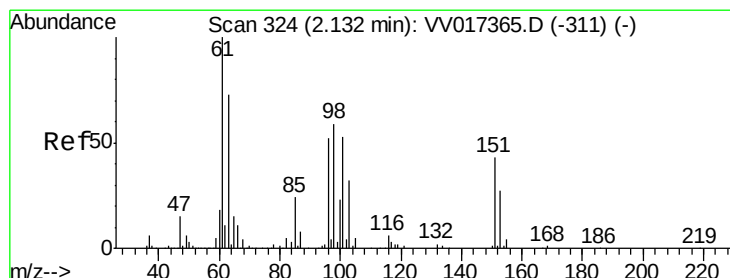
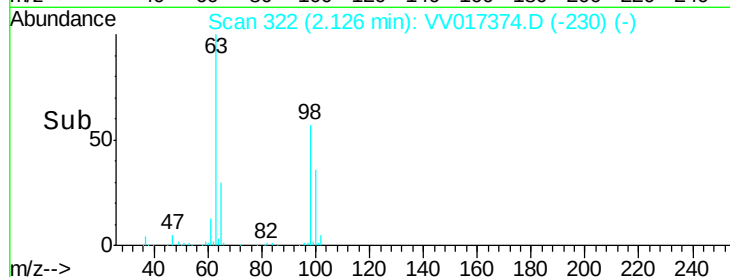
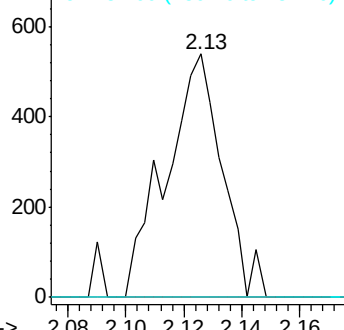
151 0.0 63.9 95.9#



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: 0.133 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

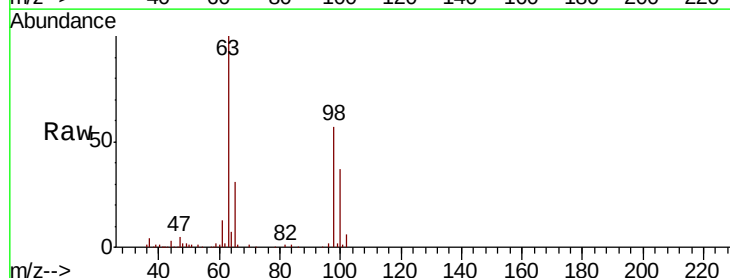
Tgt Ion: 96 Resp: 1034

Ion Ratio Lower Upper

96 100

61 739.9 125.0 232.2#

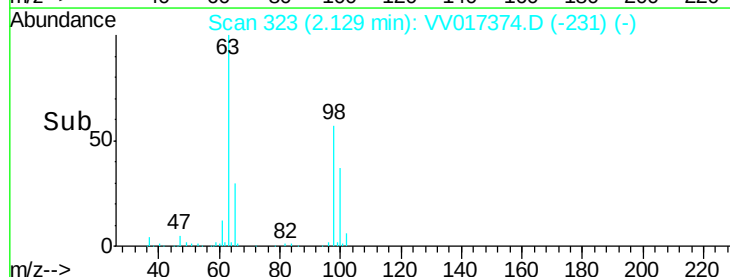
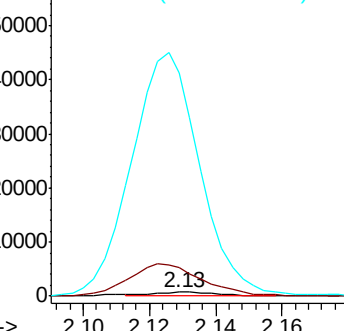
63 5873.9 109.8 203.8#

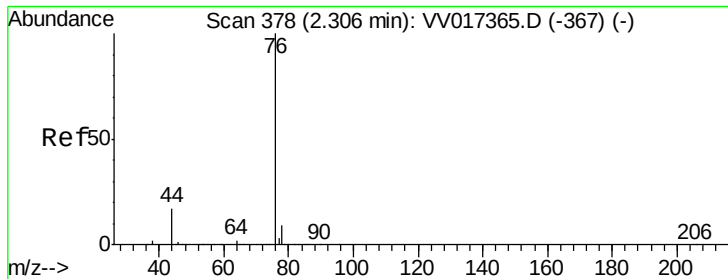


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.075 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_V

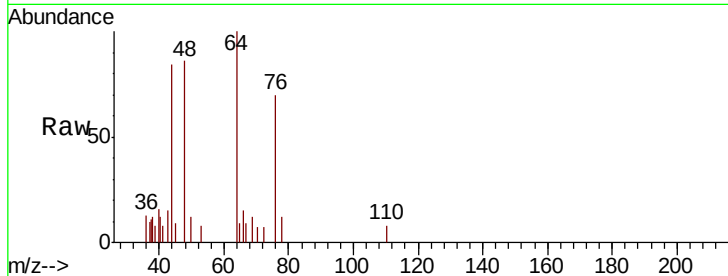
ClientSampled :

Tot Ion: 76 Resp: 1759

Ion Ratio Lower Upper

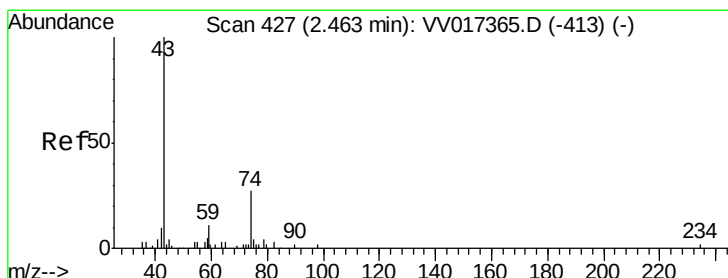
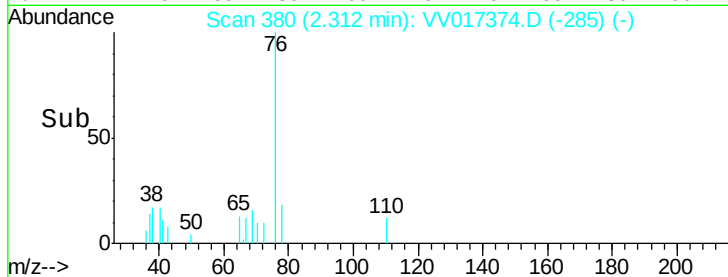
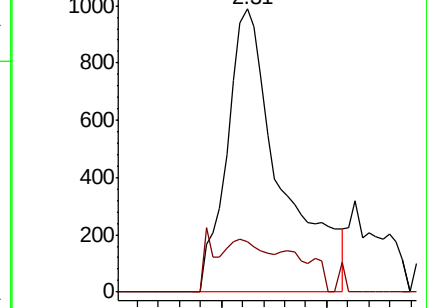
76 100

78 17.6 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.454 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.05 min

Lab File: VV017374.D

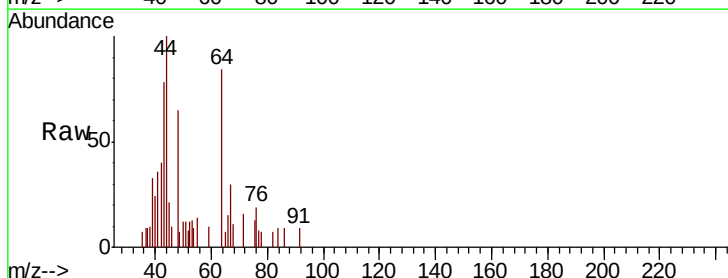
Acq: 07 Jul 2020 13:26

Tgt Ion: 43 Resp: 1393

Ion Ratio Lower Upper

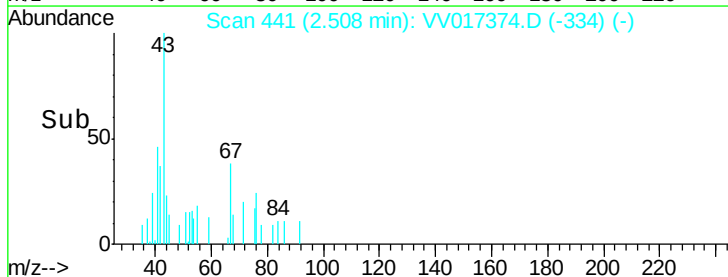
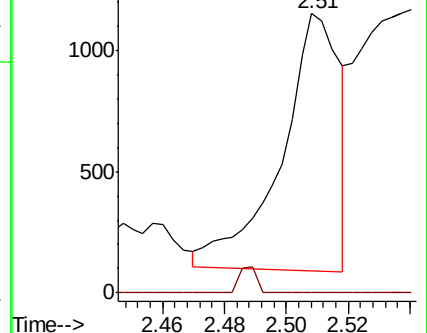
43 100

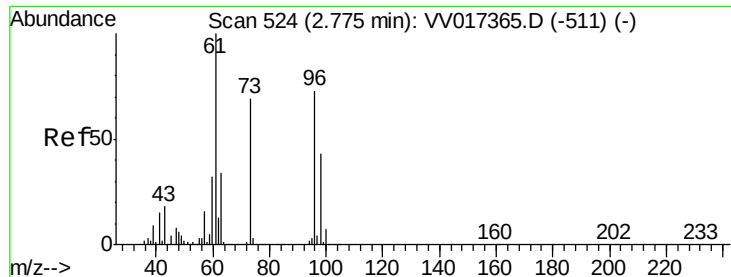
74 2.9 19.1 28.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#18

trans-1,2-Dichloroethene

Concen: 1.833 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_V

ClientSampleId :

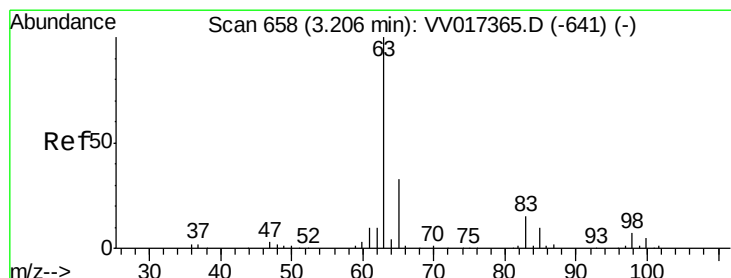
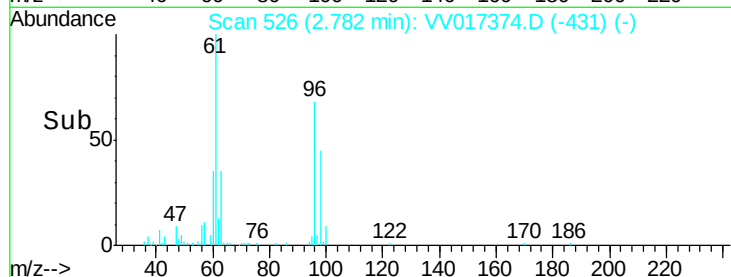
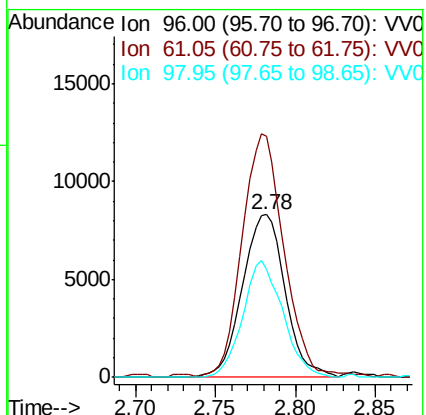
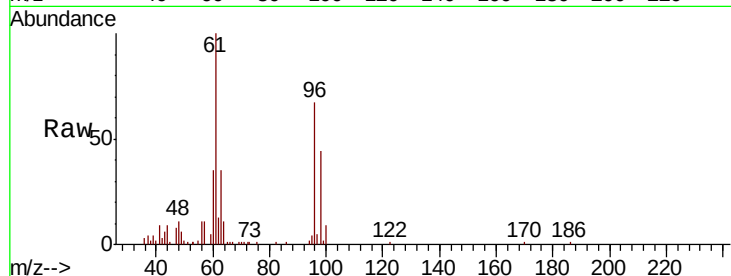
Tot Ion: 96 Resp: 15144

Ion Ratio Lower Upper

96 100

61 148.6 102.3 189.9

98 66.1 44.7 82.9



#19

1,1-Dichloroethane

Concen: 0.147 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

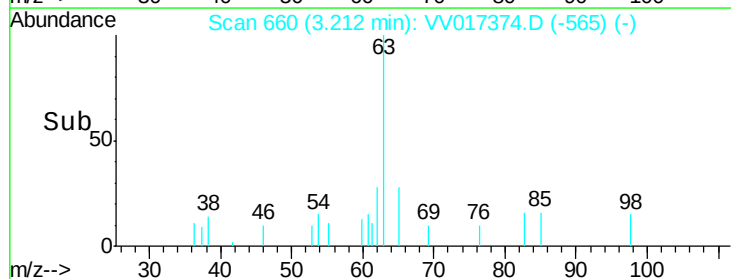
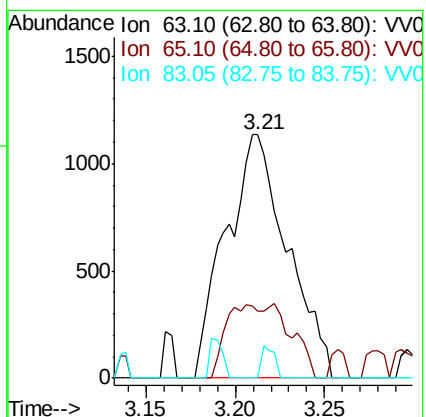
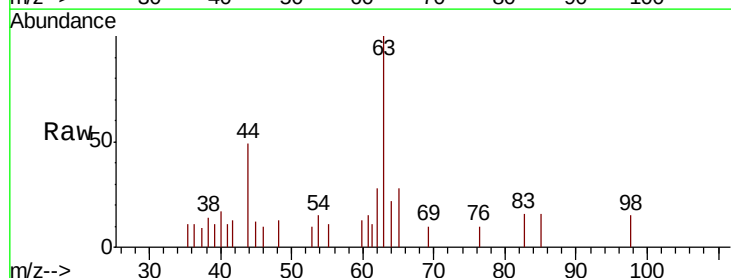
Tgt Ion: 63 Resp: 2728

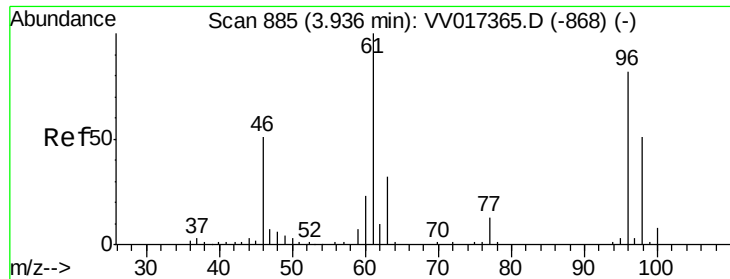
Ion Ratio Lower Upper

63 100

65 27.6 21.8 40.4

83 0.0 9.7 17.9#



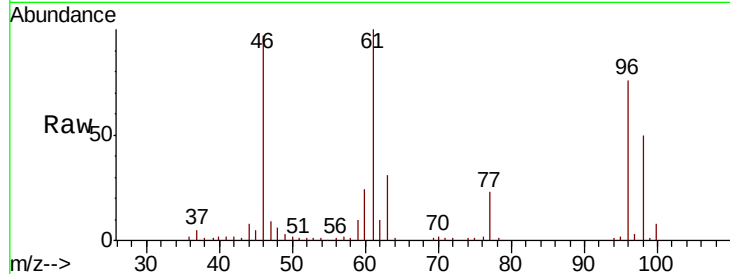


#22

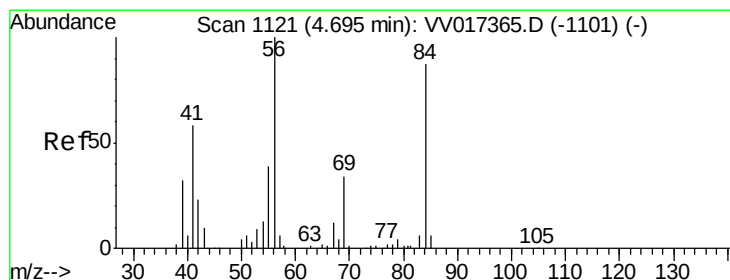
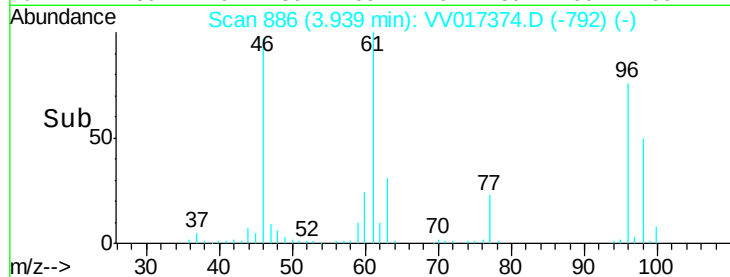
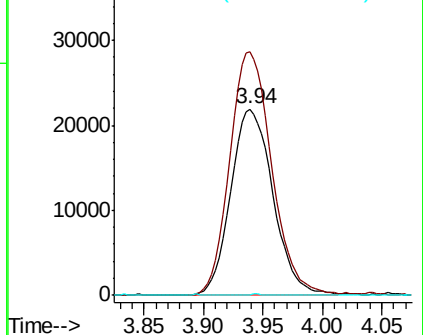
cis-1,2-Dichloroethene
Concen: 4.781 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017374.D
Acq: 07 Jul 2020 13:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 54027
Ion Ratio Lower Upper
96 100
61 130.9 91.0 169.0
68 0.0 0.0 0.0



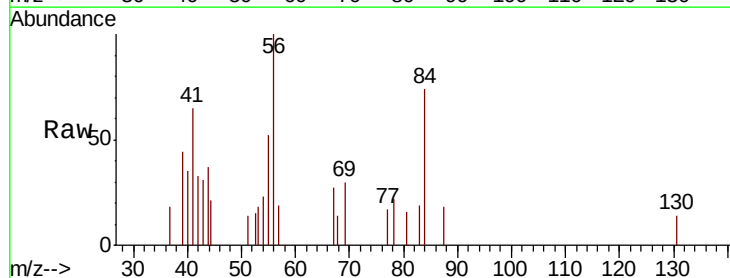
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



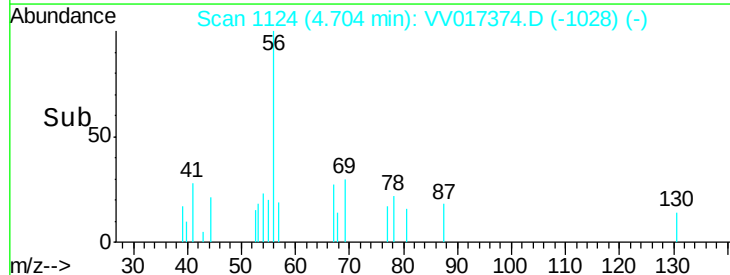
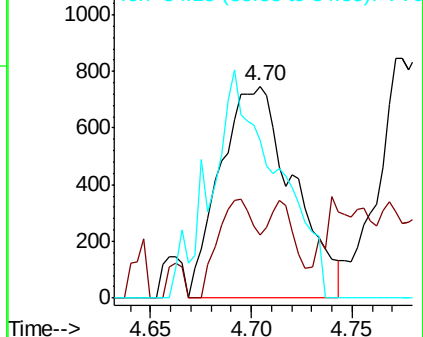
#30

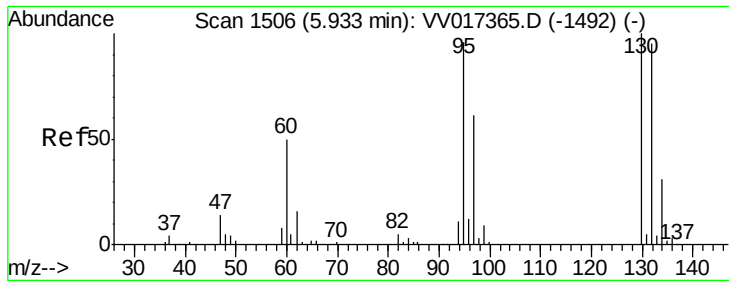
Cyclohexane
Concen: 0.103 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VV017374.D
Acq: 07 Jul 2020 13:26

Tgt Ion: 56 Resp: 1880
Ion Ratio Lower Upper
56 100
69 17.7 24.4 36.6#
84 0.0 69.9 104.9#



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#34

Trichloroethene

Concen: 0.160 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

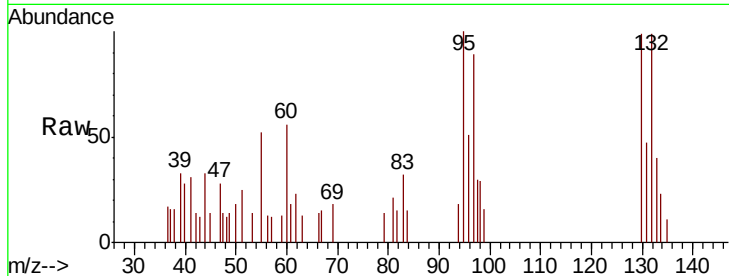
Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_V

ClientSampled :



Tot Ion: 95 Resp: 1965

Ion Ratio Lower Upper

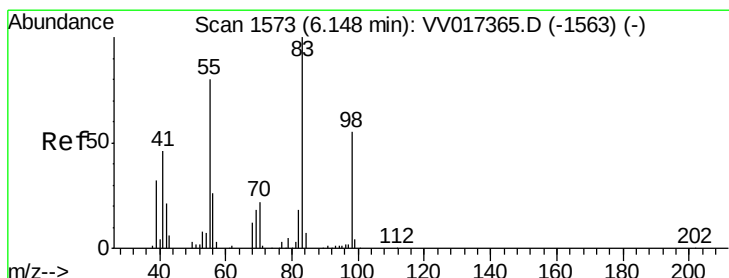
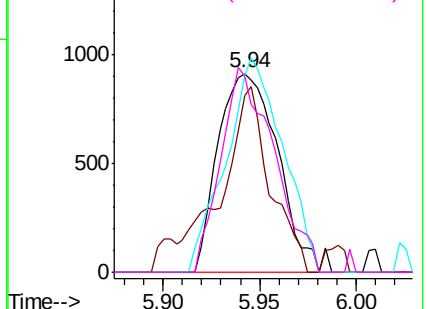
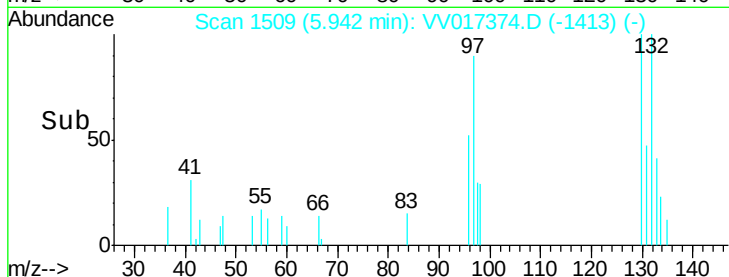
95 100

97 88.8 45.3 84.1#

132 99.0 68.8 127.8

130 98.7 70.2 130.4

Abundance Ion 95.00 (94.70 to 95.70): VV017374.D (-1413) (-)



#35

Methylcyclohexane

Concen: 0.719 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.05 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

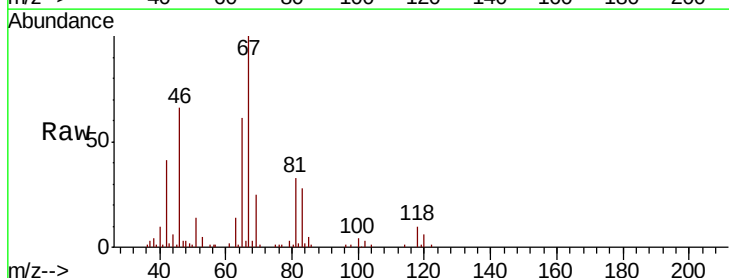
Tgt Ion: 83 Resp: 13736

Ion Ratio Lower Upper

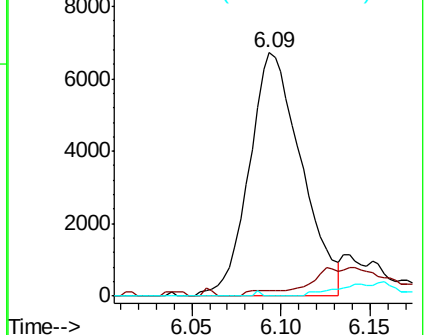
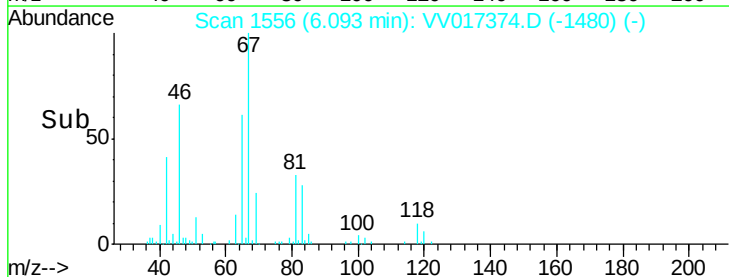
83 100

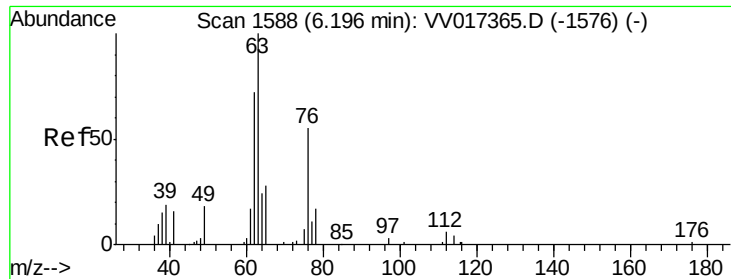
55 1.5 63.6 95.4#

98 0.2 38.8 58.2#



Abundance Ion 83.15 (82.85 to 83.85): VV017374.D (-1480) (-)

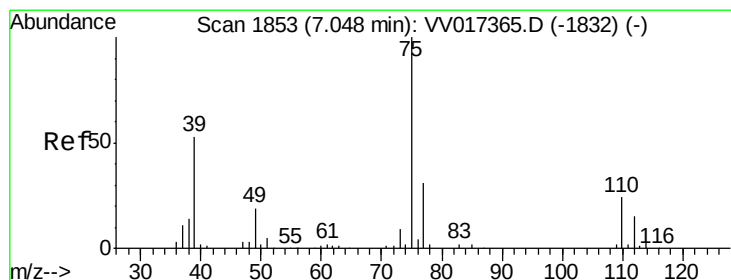
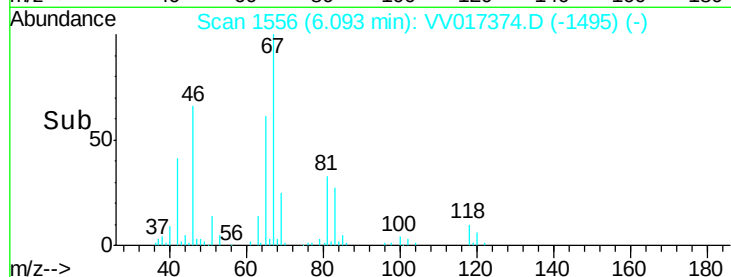
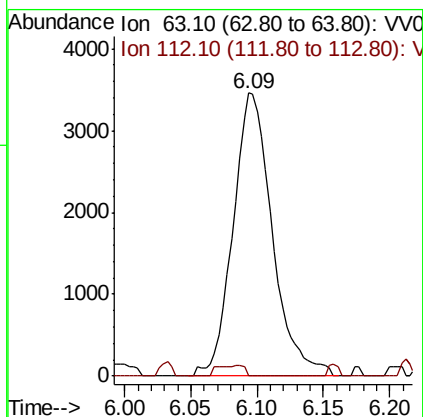
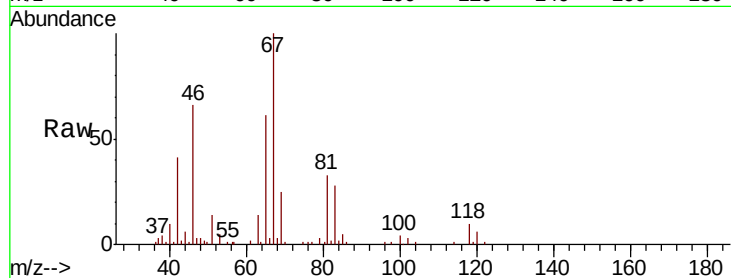




#37
 1,2-Dichloropropane
 Concen: 0.686 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017374.D
 Acq: 07 Jul 2020 13:26

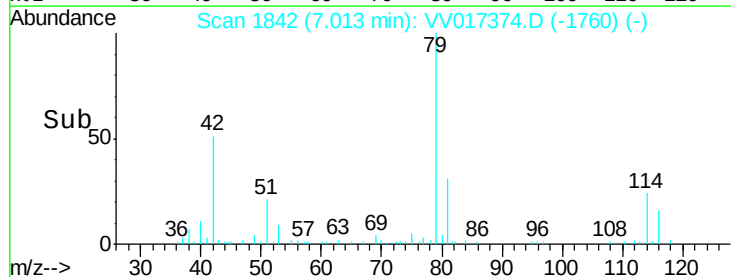
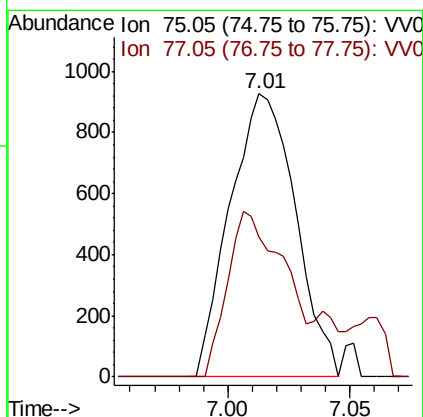
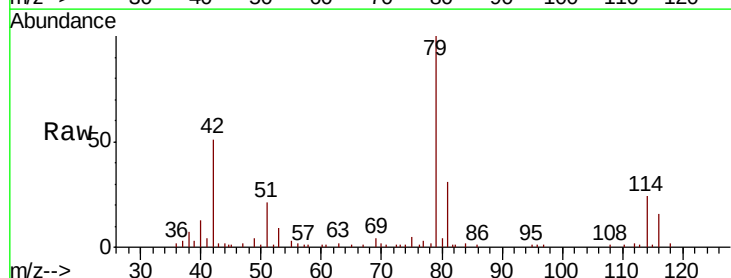
Instrument :
 MSVOA_V
 ClientSampleId :

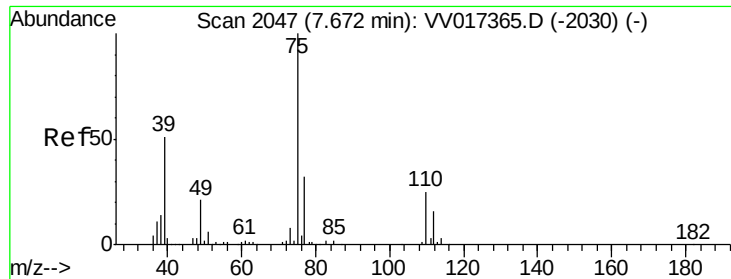
Tot Ion: 63 Resp: 7128
 Ion Ratio Lower Upper
 63 100
 112 2.5 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017374.D
 Acq: 07 Jul 2020 13:26

Tgt Ion: 75 Resp: 1722
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.3 41.5#





#46

trans-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_V

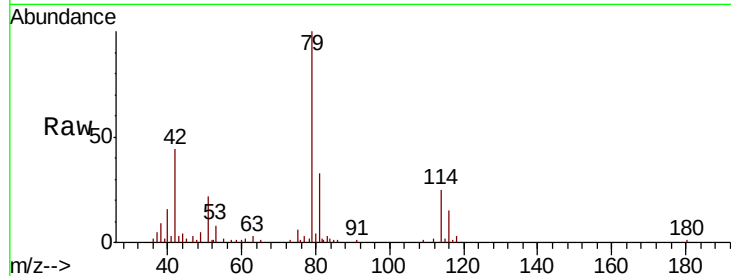
ClientSampleId :

Tot Ion: 75 Resp: 1306

Ion Ratio Lower Upper

75 100

77 37.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

800

600

400

200

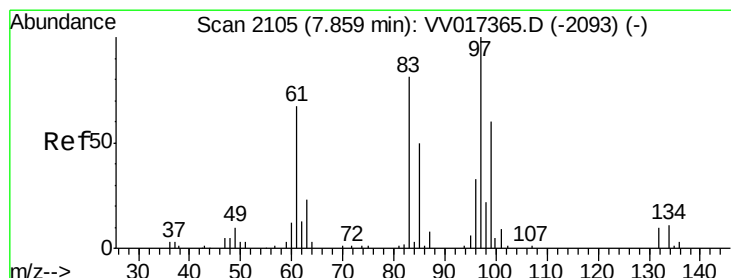
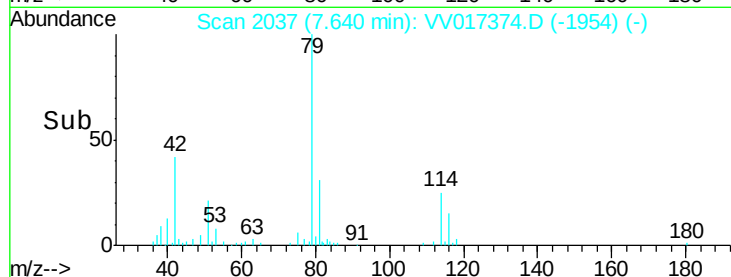
0

7.60

7.65

7.70

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.291 ug/L

RT: 7.81 min Scan# 2090

Delta R.T. -0.05 min

Lab File: VV017374.D

Acq: 07 Jul 2020 13:26

Tgt Ion: 97 Resp: 2141

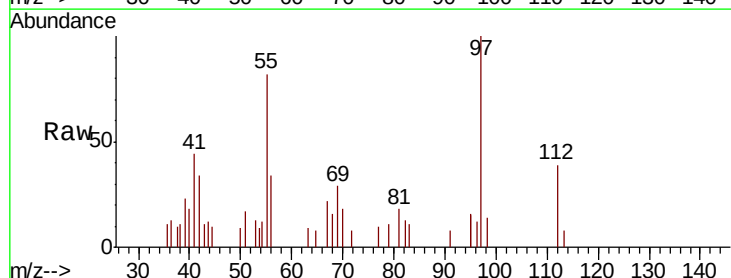
Ion Ratio Lower Upper

97 100

99 0.0 43.6 81.0#

83 10.6 57.4 106.6#

85 0.0 38.8 72.0#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

1500

1000

500

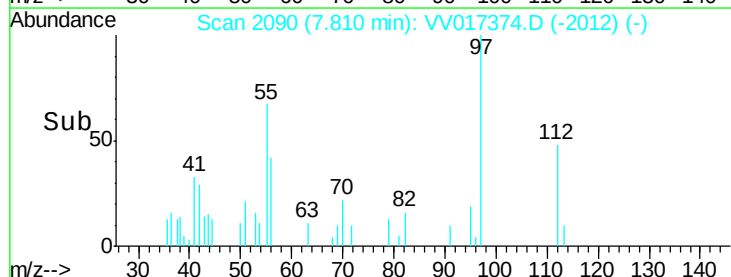
0

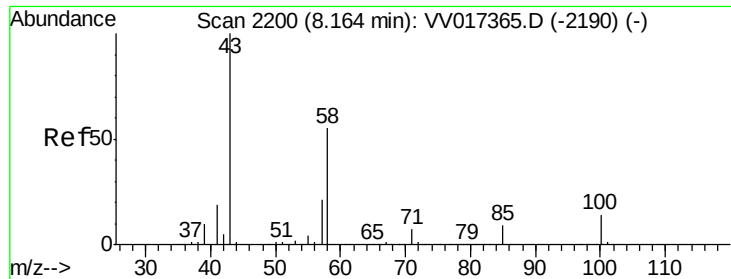
7.75

7.80

7.85

Time-->

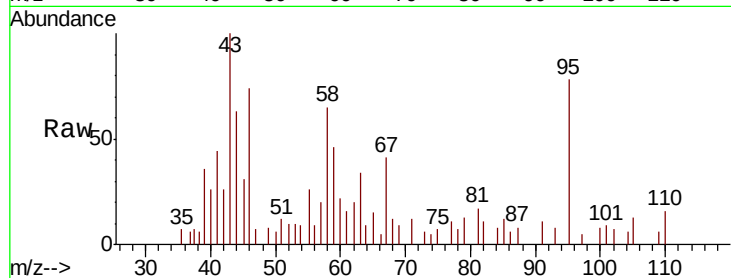




#50
 2-Hexanone
 Concen: 1.011 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VV017374.D
 Acq: 07 Jul 2020 13:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	43	Resp:	4315
Ion	Ratio	Lower	Upper
43	100		
58	17.2	41.6	62.4#
57	18.1	15.4	23.0
100	16.7	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

