

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016391.D
 Acq On : 31 May 2020 16:38
 Operator : SY/MD
 Sample : L2780-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AL3

Quant Time: Jun 01 08:26:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 07:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	72367	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	70968	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	30610	5.00	ug/L	0.00

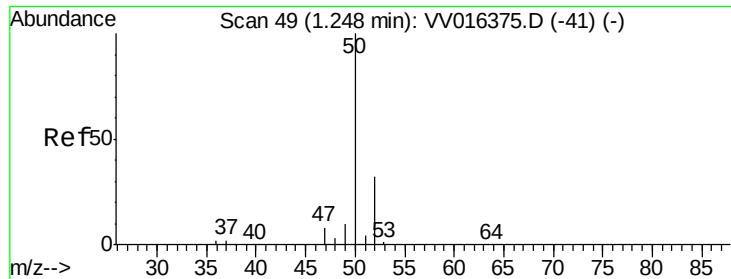
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29333	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	23493	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.13	63	41657	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.95	46	69698	50.99	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	4.38	84	51740	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.06	65	28874	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.08	84	101634	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.10	67	31396	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.34	98	87262	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
45) trans-1,3-Dichloropropene-	7.65	79	9173	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
48) 2-Hexanone-d5	8.12	63	50201	48.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21991	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	29288	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1178	0.163	ug/L	91
9) Trichlorofluoromethane	1.77	101	823	0.094	ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2694	0.550	ug/L	87
13) Acetone	2.23	43	6790	7.384	ug/L	69
19) 1,1-Dichloroethane	3.22	63	1988	0.204	ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	3787	0.694	ug/L	91
25) Chloroform	4.40	83	3074	0.315	ug/L	98
34) Trichloroethene	5.94	95	8760	1.590	ug/L	98
49) Tetrachloroethene	8.00	164	817	0.202	ug/L	94

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



#3

Chloromethane

Concen: 0.163 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016391.D

Acq: 31 May 2020 16:38

Instrument :

MSVOA_V

ClientSampled :

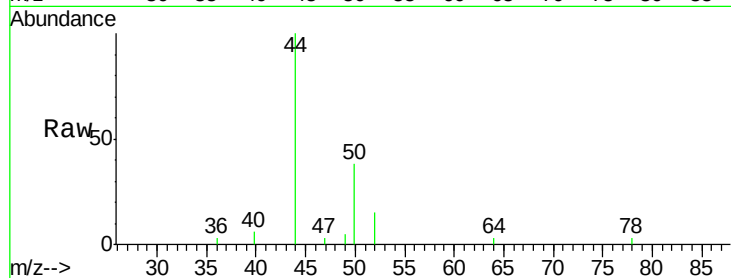
C0AL3

Tot Ion: 50 Resp: 1178

Ion Ratio Lower Upper

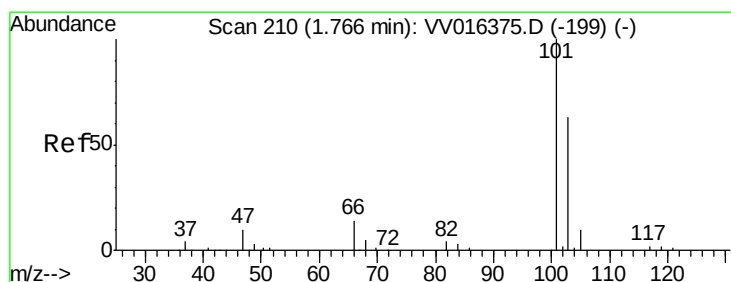
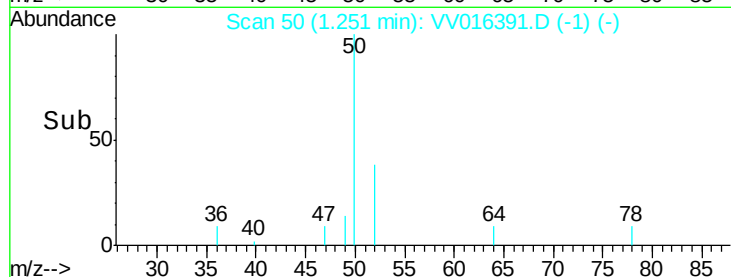
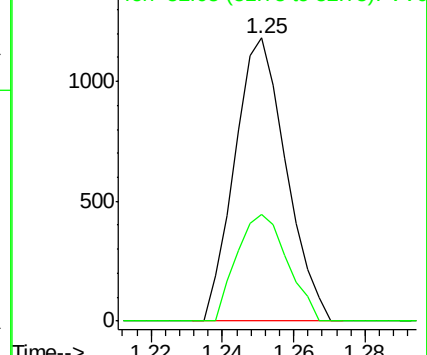
50 100

52 37.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#9

Trichlorofluoromethane

Concen: 0.094 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV016391.D

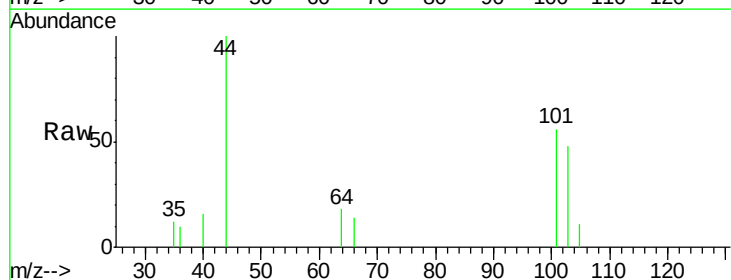
Acq: 31 May 2020 16:38

Tgt Ion: 101 Resp: 823

Ion Ratio Lower Upper

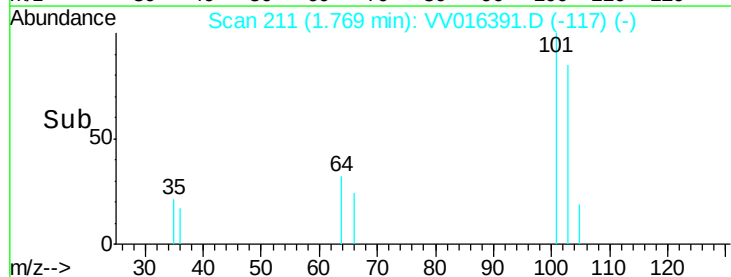
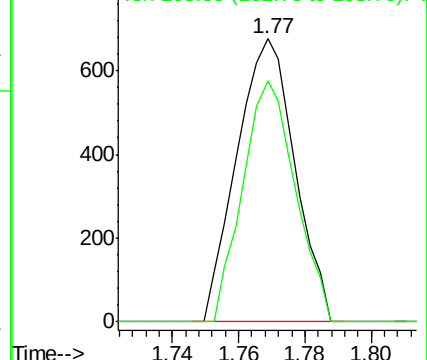
101 100

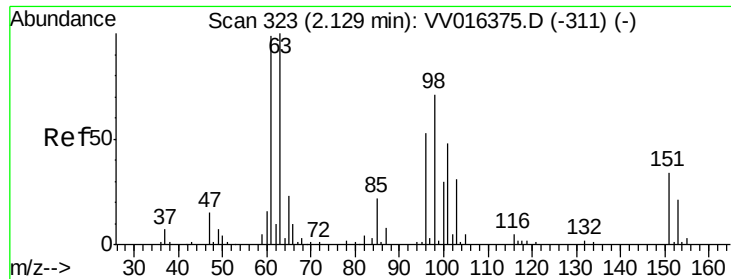
103 77.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.550 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016391.D

Acq: 31 May 2020 16:38

Instrument :

MSVOA_V

ClientSampled :

C0AL3

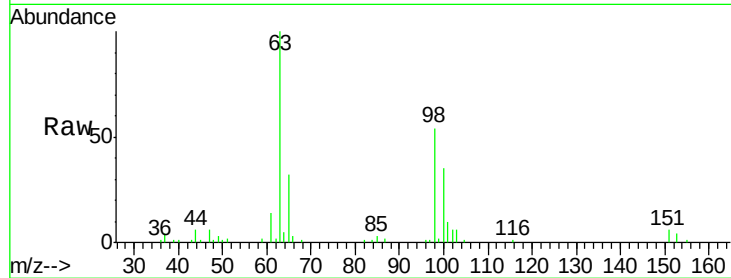
Tot Ion:101 Resp: 2694

Ion Ratio Lower Upper

101 100

85 36.5 35.7 53.5

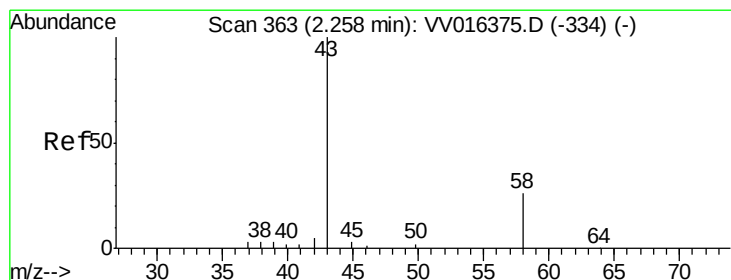
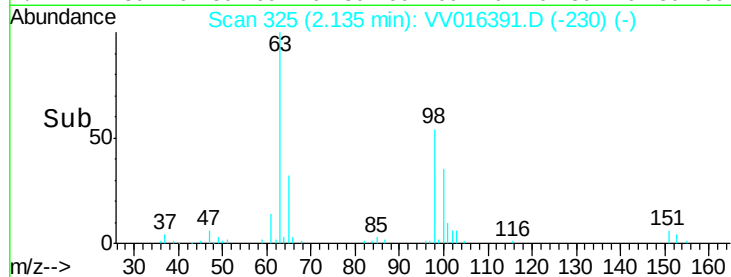
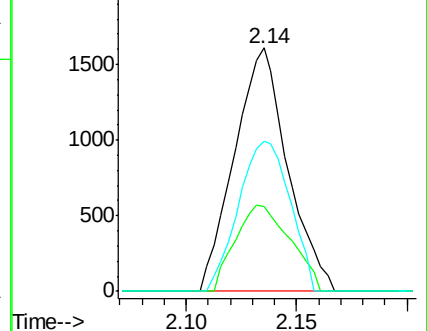
151 59.9 57.2 85.8



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



#13

Acetone

Concen: 7.384 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.03 min

Lab File: VV016391.D

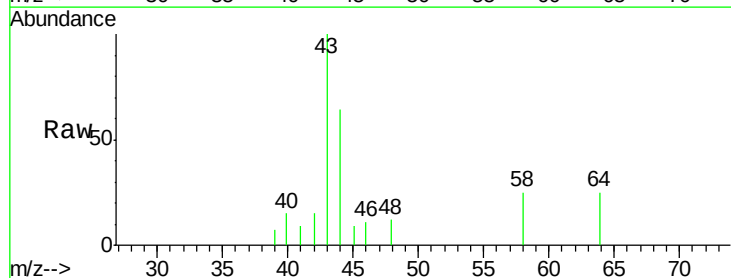
Acq: 31 May 2020 16:38

Tgt Ion: 43 Resp: 6790

Ion Ratio Lower Upper

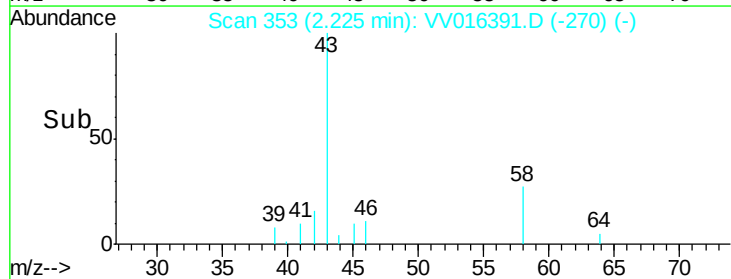
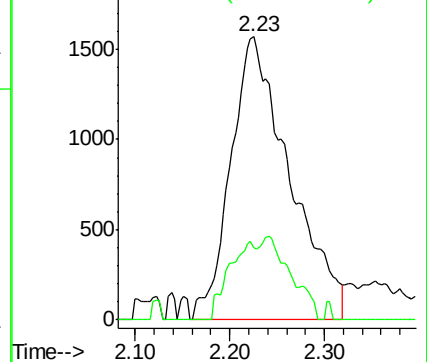
43 100

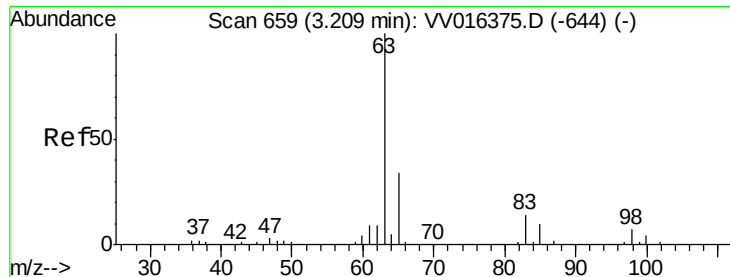
58 13.0 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#19

1,1-Dichloroethane

Concen: 0.204 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV016391.D

Acq: 31 May 2020 16:38

Instrument :

MSVOA_V

ClientSampleId :

C0AL3

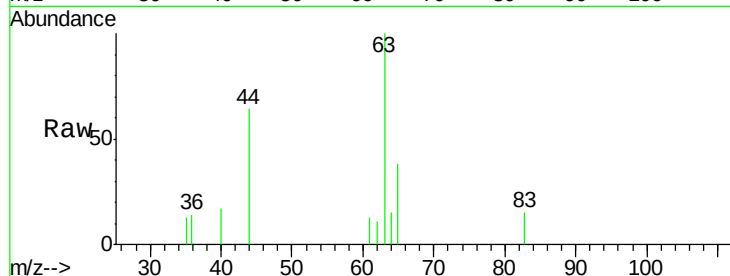
Tot Ion: 63 Resp: 1988

Ion Ratio Lower Upper

63 100

65 38.0 23.3 43.3

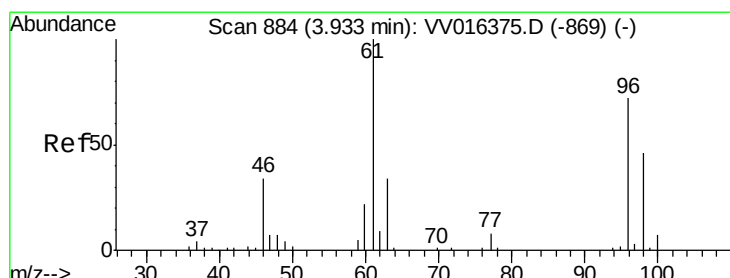
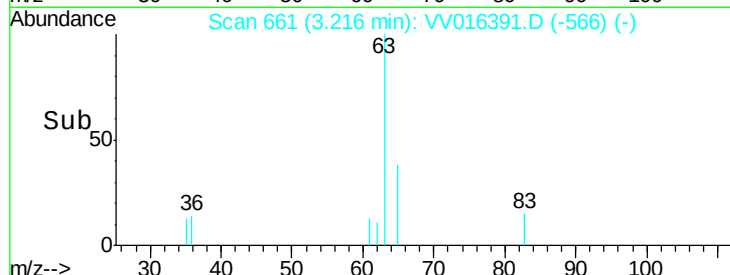
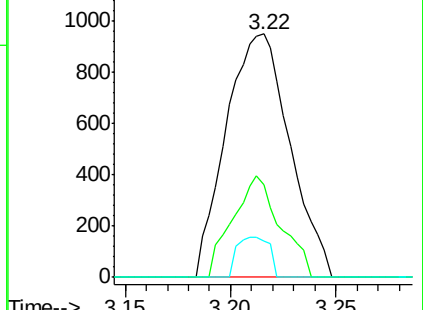
83 14.9 9.9 18.3



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: 0.694 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV016391.D

Acq: 31 May 2020 16:38

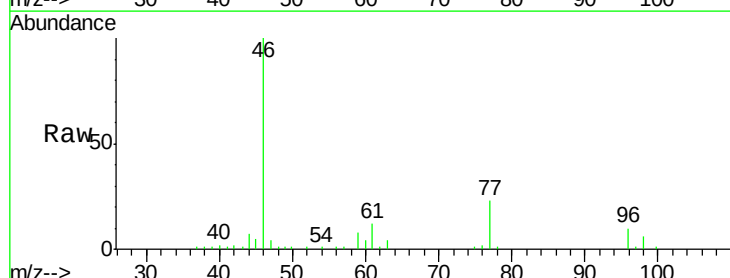
Tgt Ion: 96 Resp: 3787

Ion Ratio Lower Upper

96 100

61 125.0 94.8 176.0

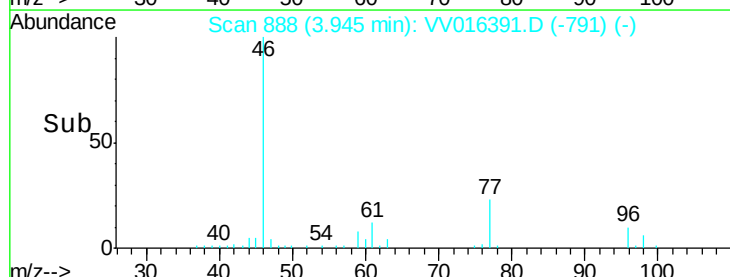
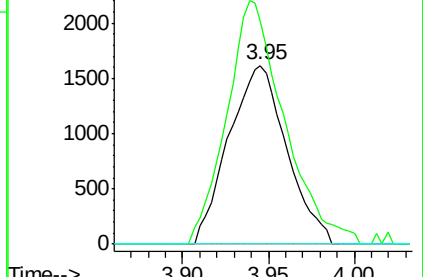
68 0.0 0.0 0.0

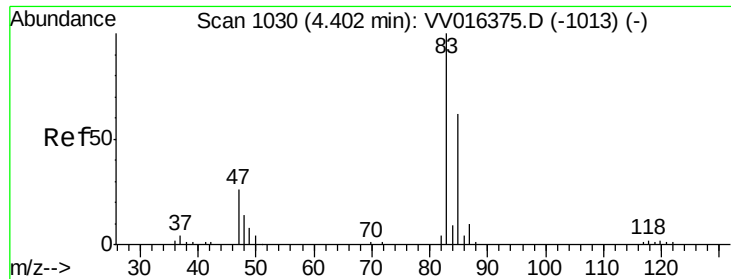


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

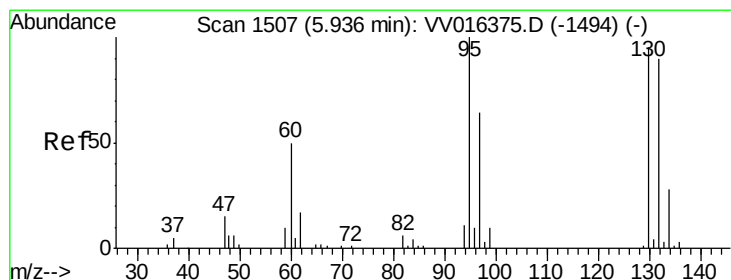
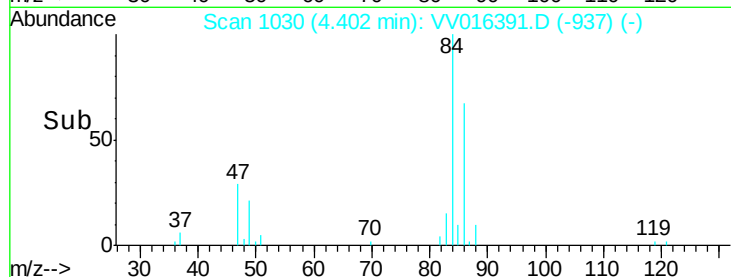
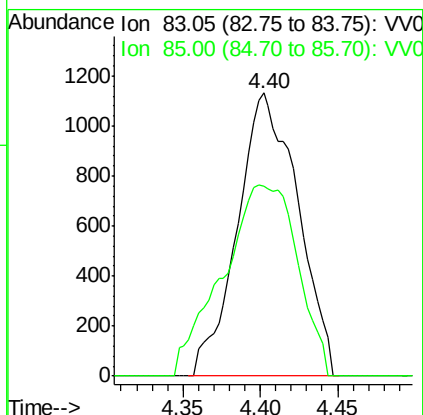
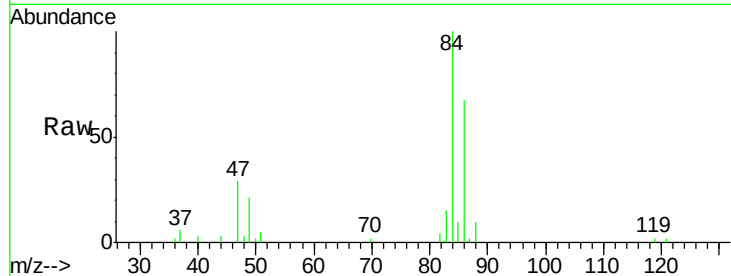




#25
Chloroform
Concen: 0.315 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016391.D
Acq: 31 May 2020 16:38

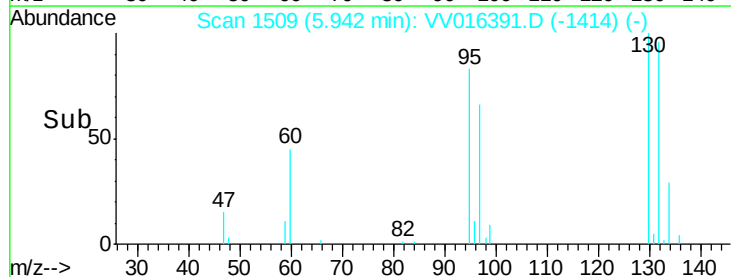
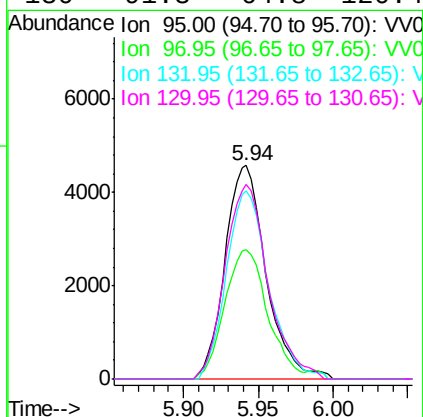
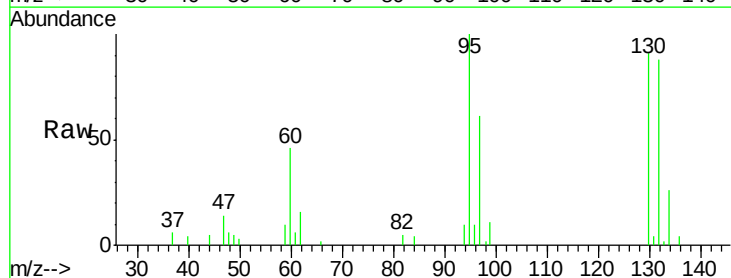
Instrument :
MSVOA_V
ClientSampleId :
C0AL3

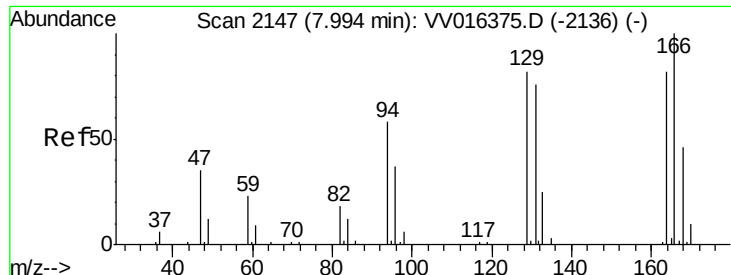
Tot Ion: 83 Resp: 3074
Ion Ratio Lower Upper
83 100
85 67.1 45.8 85.2



#34
Trichloroethene
Concen: 1.590 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV016391.D
Acq: 31 May 2020 16:38

Tgt Ion: 95 Resp: 8760
Ion Ratio Lower Upper
95 100
97 60.6 42.6 79.0
132 87.8 59.6 110.8
130 91.3 64.8 120.4





#49

Tetrachloroethene

Concen: 0.202 ug/L

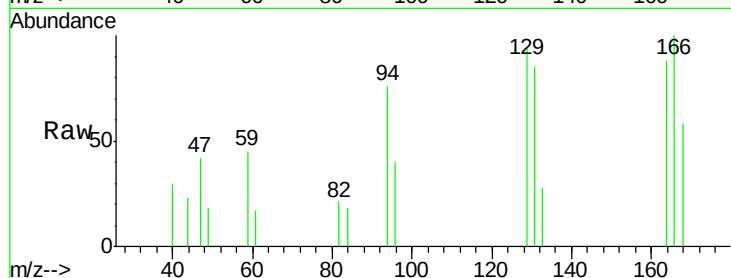
RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016391.D

Acq: 31 May 2020 16:38

Instrument :
MSVOA_V
ClientSampleId :
C0AL3



Tot Ion:164 Resp: 817

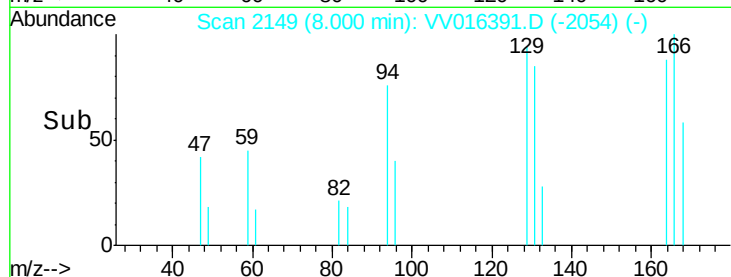
Ion Ratio Lower Upper

164 100

129 107.0 72.2 134.0

131 96.1 65.8 122.2

166 113.4 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

