

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019731.D
 Acq On : 19 Dec 2020 12:30
 Operator : SY/MD
 Sample : L5099-06 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4Q3

Quant Time: Dec 21 03:38:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 03:36:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	699504	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	634728	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	284283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	209391	41.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.48%
7) Chloroethane-d5	1.57	69	182970	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.50%
11) 1,1-Dichloroethene-d2	2.11	63	297599	31.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.94%
21) 2-Butanone-d5	3.89	46	375821	137.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	137.85%#
24) Chloroform-d	4.35	84	432095	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.04	65	309040	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.62%
32) Benzene-d6	5.05	84	838113	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
36) 1,2-Dichloropropane-d6	6.07	67	280886	52.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.94%
41) Toluene-d8	7.32	98	700568	45.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.92%
43) trans-1,3-Dichloropropene-	7.62	79	126480	41.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.86%
47) 2-Hexanone-d5	8.09	63	249789	120.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.02%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	362838	50.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.18%
64) 1,2-Dichlorobenzene-d4	11.63	152	265856	50.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.06%

Target Compounds

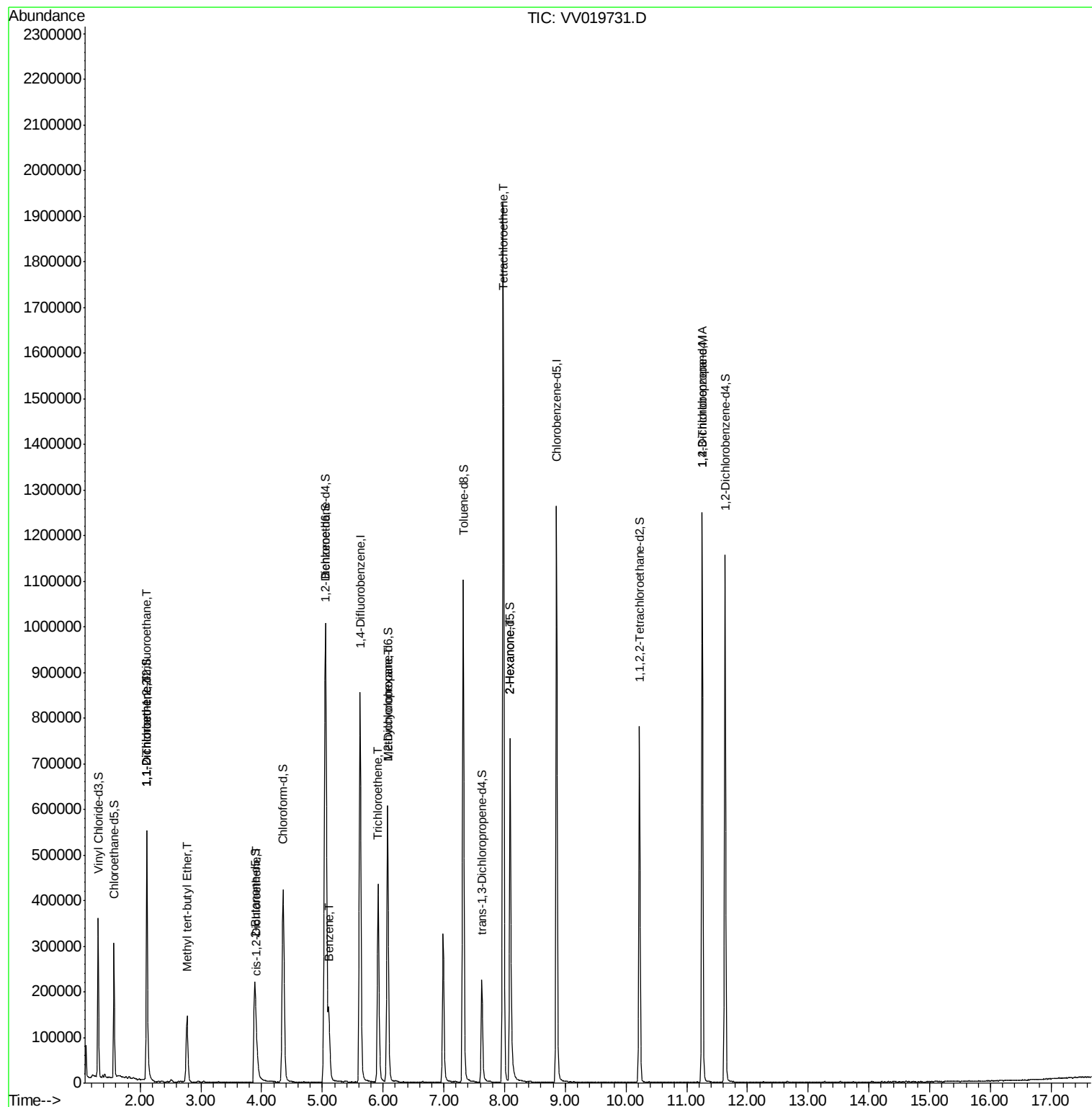
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2684	0.661	ug/L #	23
12) 1,1-Dichloroethene	2.12	96	3846	0.923	ug/L #	1
18) Methyl tert-butyl Ether	2.77	73	141954	8.894	ug/L	98
20) cis-1,2-Dichloroethene	3.92	96	8951	1.783	ug/L #	85
33) Benzene	5.11	78	160398	8.647	ug/L	100
34) Trichloroethene	5.92	95	149238	30.455	ug/L	99
35) Methylcyclohexane	6.07	83	66339	8.911	ug/L #	18
46) Tetrachloroethene	7.98	164	387103	114.163	ug/L	97
48) 2-Hexanone	8.09	43	33829	6.379	ug/L #	71
59) 1,2,3-Trichloropropane	11.25	75	40125	6.659	ug/L	89

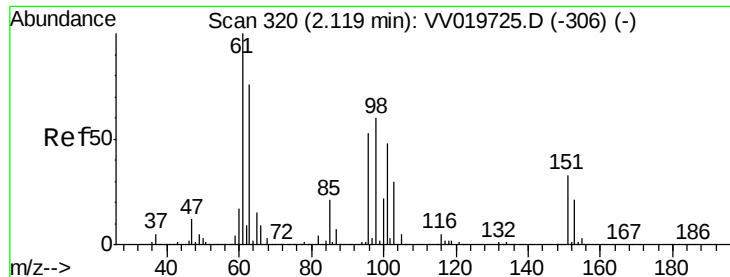
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Dec 21 03:36:59 2020
Response via : Initial Calibration





#10

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

Concen: 0.661 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019731.D

Acq: 19 Dec 2020 12:30

Instrument :

MSVOA_V

ClientSampleId :

BG4Q3

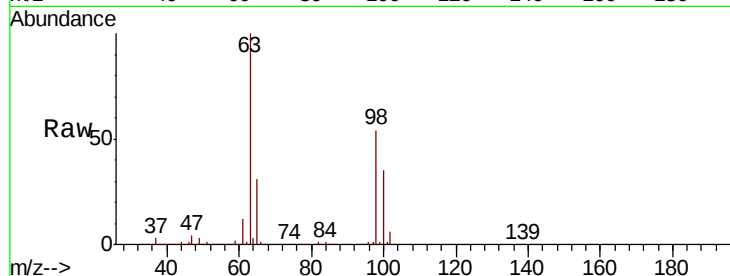
Tot Ion:101 Resp: 2684

Ion Ratio Lower Upper

101 100

85 1.9 35.0 52.4#

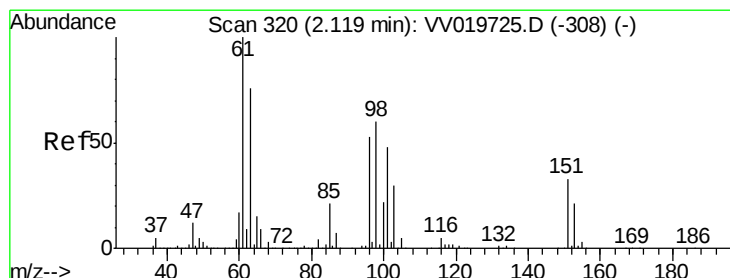
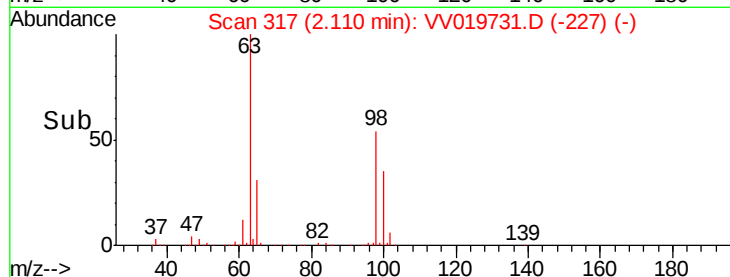
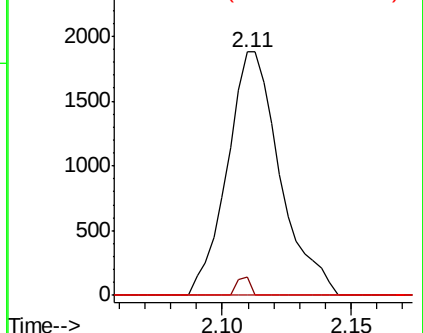
151 0.0 55.8 83.8#



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



#12

1,1-Dichloroethene

Concen: 0.923 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019731.D

Acq: 19 Dec 2020 12:30

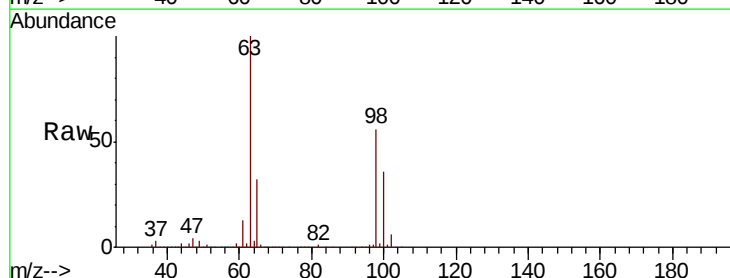
Tgt Ion: 96 Resp: 3846

Ion Ratio Lower Upper

96 100

61 1134.6 120.7 224.1#

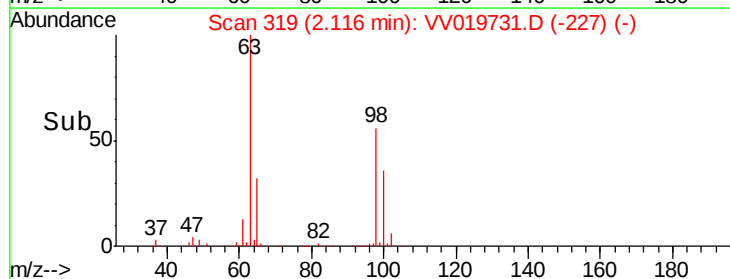
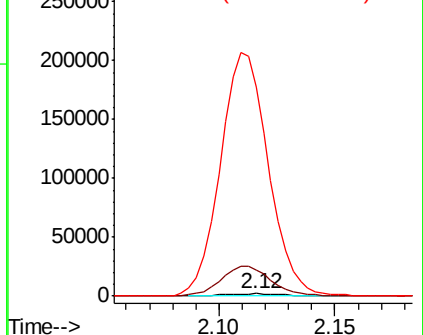
63 8884.3 64.3 119.5#

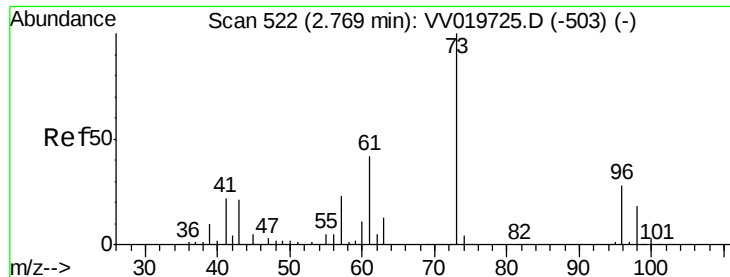


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

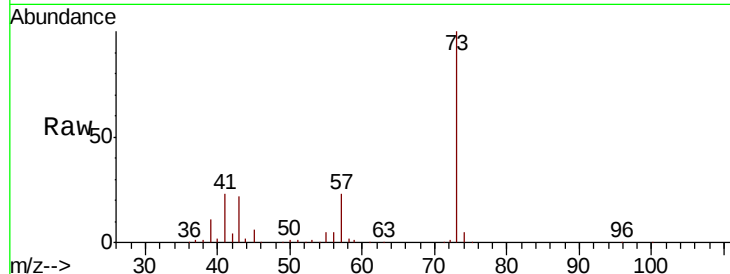




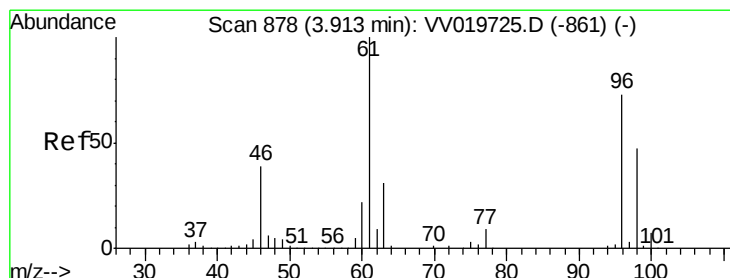
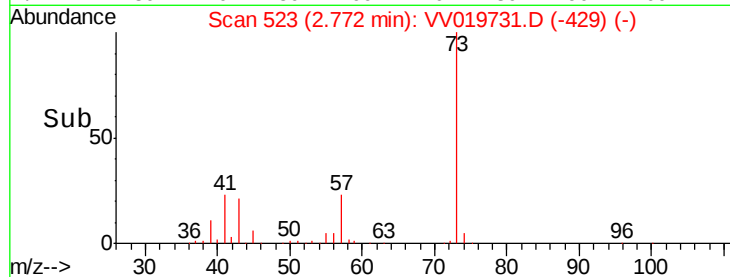
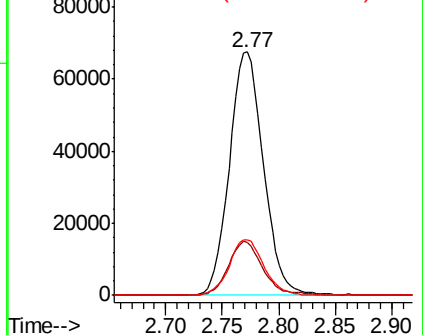
#18
Methvl tert-butvl Ether
Concen: 8.894 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019731.D
Acq: 19 Dec 2020 12:30

Instrument :
MSVOA_V
ClientSampleId :
BG4Q3

Tot Ion: 73 Resp: 141954
Ion Ratio Lower Upper
73 100
43 21.6 17.3 25.9
57 23.4 17.5 26.3

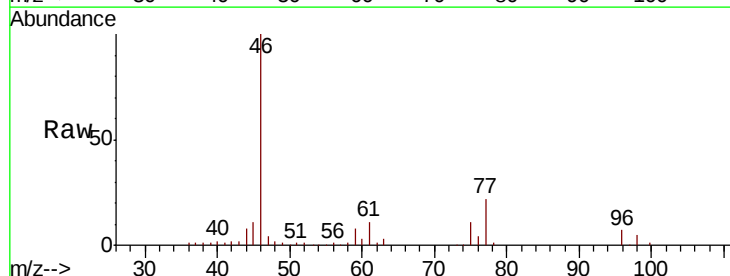


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

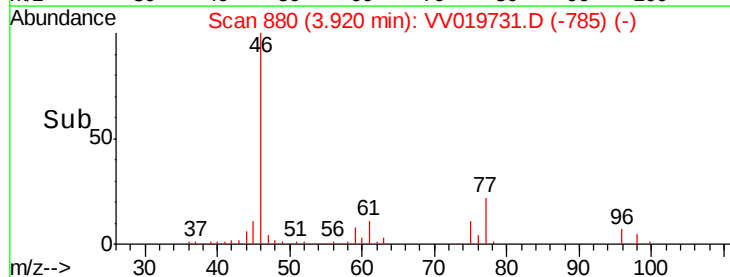
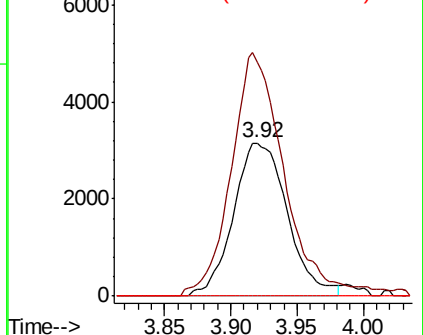


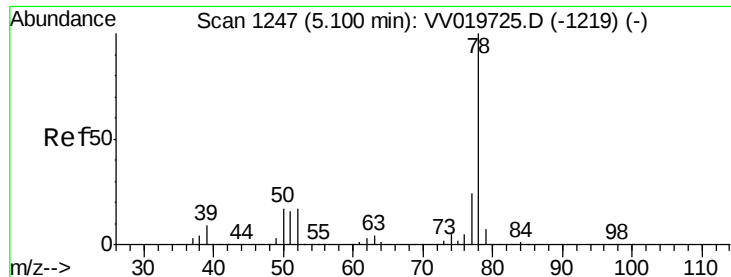
#20
cis-1,2-Dichloroethene
Concen: 1.783 ug/L
RT: 3.92 min Scan# 880
Delta R.T. 0.01 min
Lab File: VV019731.D
Acq: 19 Dec 2020 12:30

Tgt Ion: 96 Resp: 8951
Ion Ratio Lower Upper
96 100
61 152.9 94.1 174.8
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#33

Benzene

Concen: 8.647 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VV019731.D

Acq: 19 Dec 2020 12:30

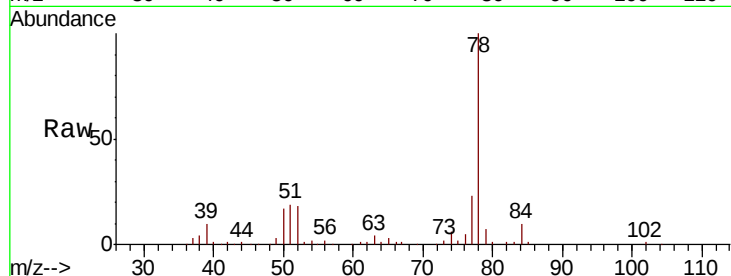
Instrument :

MSVOA_V

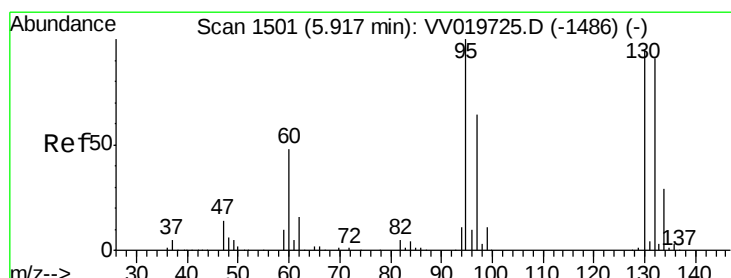
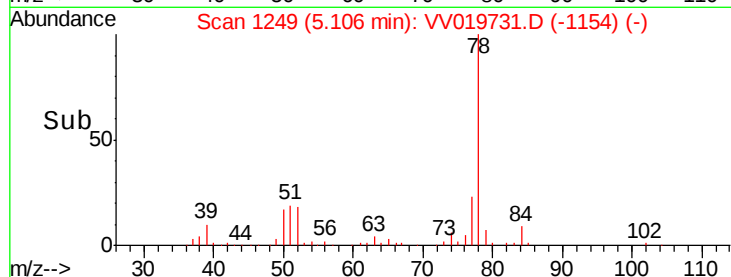
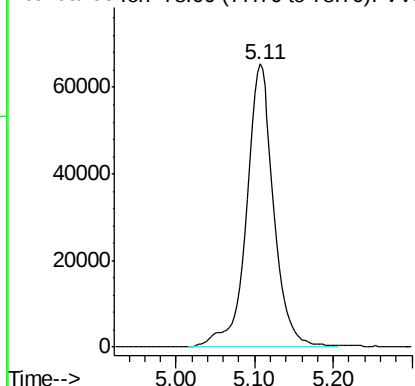
ClientSampleId :

BG4Q3

Tgt Ion: 78 Resp: 160398



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 30.455 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019731.D

Acq: 19 Dec 2020 12:30

Tgt Ion: 95 Resp: 149238

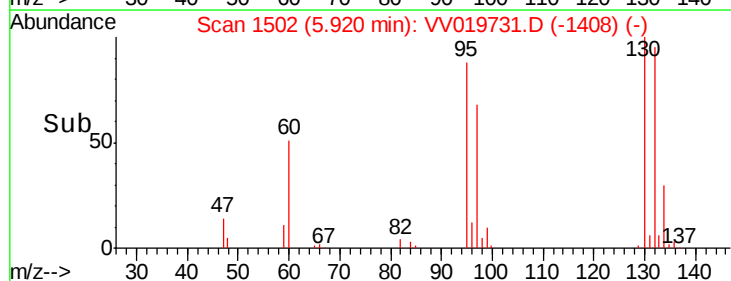
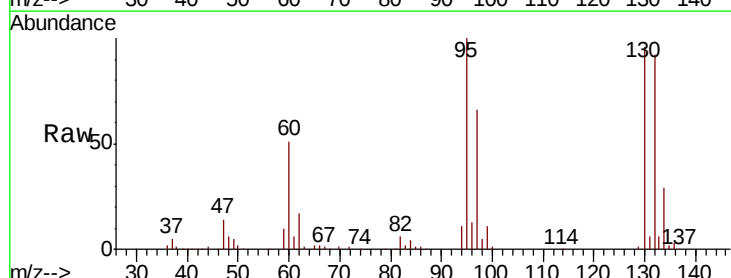
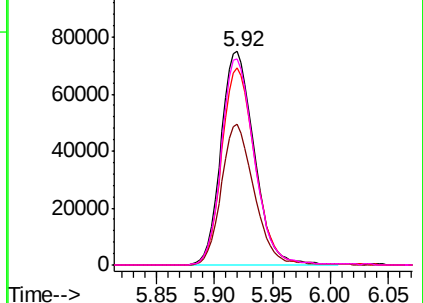
Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.4	82.4
132	92.0	64.3	119.3
130	96.5	67.8	125.8

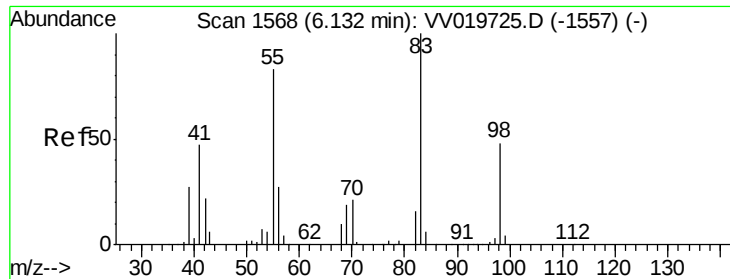
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

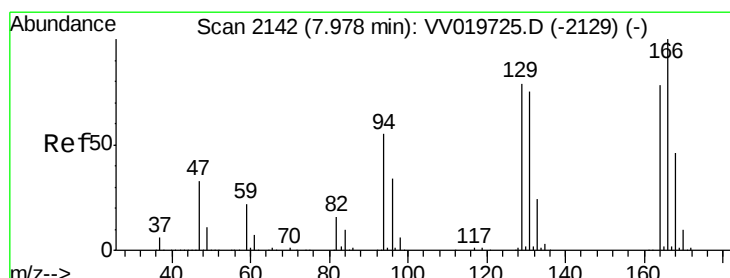
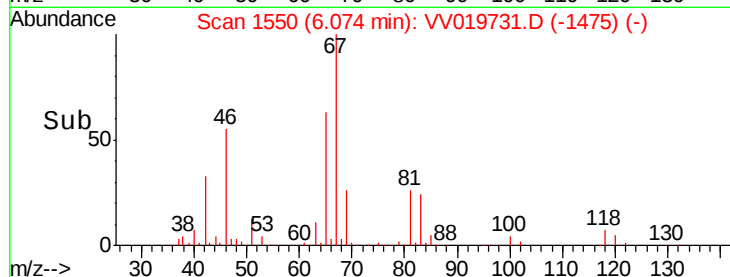
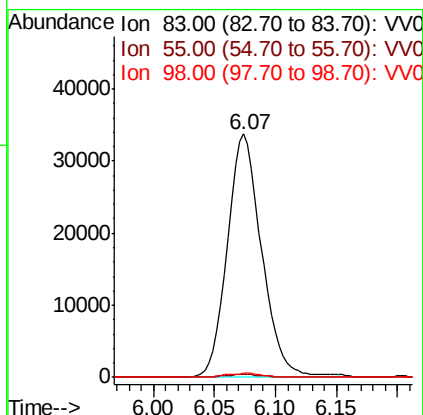
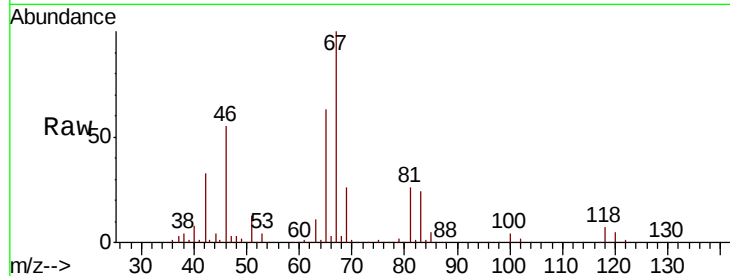




#35
Methvlcvclohexane
Concen: 8.911 ug/L
RT: 6.07 min Scan# 1550
Delta R.T. -0.06 min
Lab File: VV019731.D
Acq: 19 Dec 2020 12:30

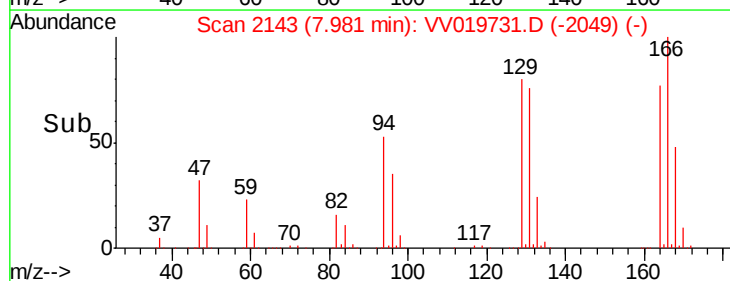
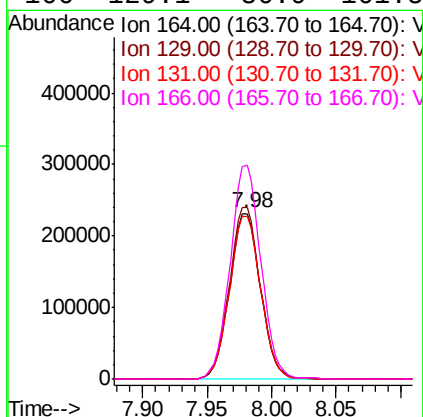
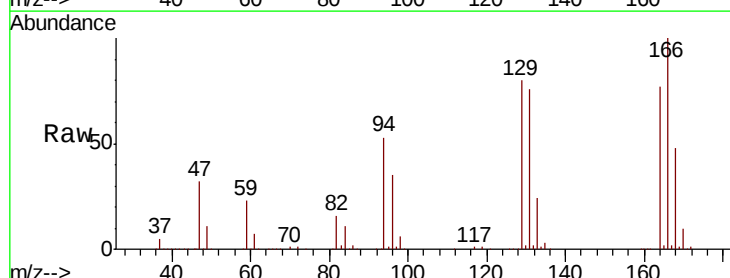
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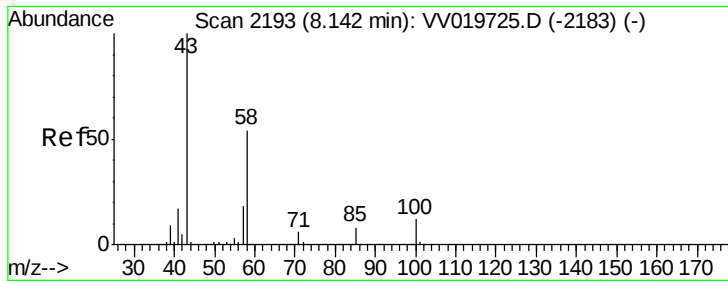
Tot Ion: 83 Resp: 66339
Ion Ratio Lower Upper
83 100
55 1.0 64.2 96.4#
98 1.1 39.3 58.9#



#46
Tetrachloroethene
Concen: 114.163 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VV019731.D
Acq: 19 Dec 2020 12:30

Tgt Ion: 164 Resp: 387103
Ion Ratio Lower Upper
164 100
129 103.7 70.6 131.0
131 98.5 68.0 126.4
166 129.1 86.9 161.5

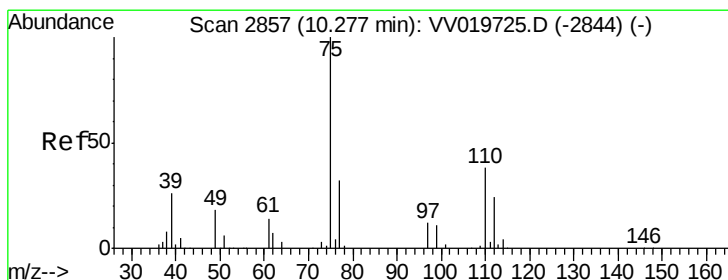
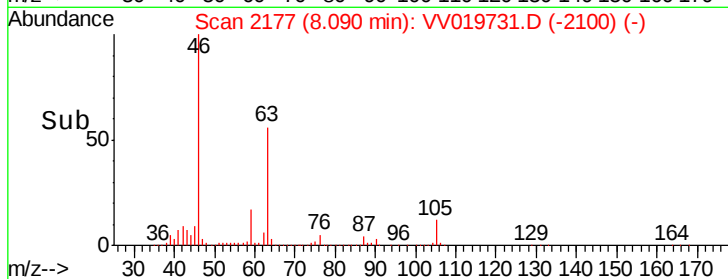
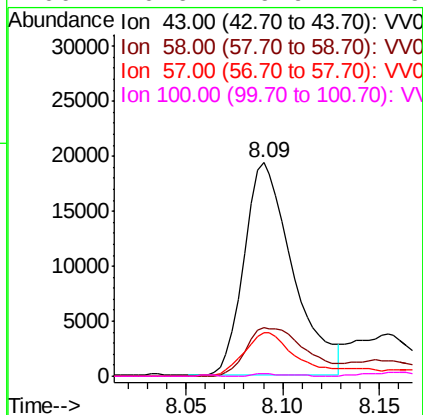
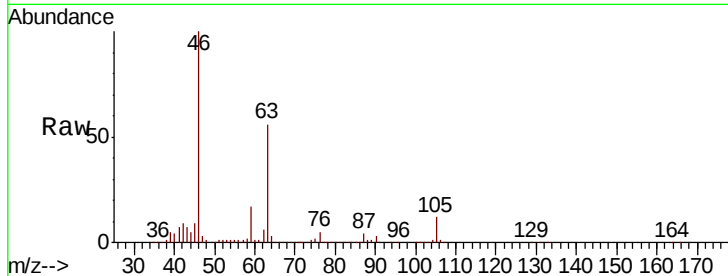




#48
 2-Hexanone
 Concen: 6.379 ug/L
 RT: 8.09 min Scan# 2177
 Delta R.T. -0.05 min
 Lab File: VV019731.D
 Acq: 19 Dec 2020 12:30

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4Q3

Tot Ion: 43 Resp: 33829
 Ion Ratio Lower Upper
 43 100
 58 28.0 44.4 66.6#
 57 20.1 15.7 23.5
 100 0.6 9.9 14.9#



#59
 1,2,3-Trichloropropane
 Concen: 6.659 ug/L
 RT: 11.25 min Scan# 3161
 Delta R.T. 0.98 min
 Lab File: VV019731.D
 Acq: 19 Dec 2020 12:30

Tgt Ion: 75 Resp: 40125
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.8 38.8

