

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121920\
 Data File : VV019733.D
 Acq On : 19 Dec 2020 13:24
 Operator : SY/MD
 Sample : L5099-04 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4P9

Quant Time: Dec 21 03:39:21 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	724382	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	679617	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	316012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	251003	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.64%
7) Chloroethane-d5	1.57	69	205987	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.56%
11) 1,1-Dichloroethene-d2	2.11	63	369615	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.68%
21) 2-Butanone-d5	3.88	46	339496	120.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.25%
24) Chloroform-d	4.35	84	458503	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
26) 1,2-Dichloroethane-d4	5.03	65	322735	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.05	84	932282	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.07	67	295113	51.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.94%
41) Toluene-d8	7.32	98	829274	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%
43) trans-1,3-Dichloropropene-	7.62	79	140016	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
47) 2-Hexanone-d5	8.09	63	221374	99.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	357702	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.63	152	301806	51.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.18%

Target Compounds

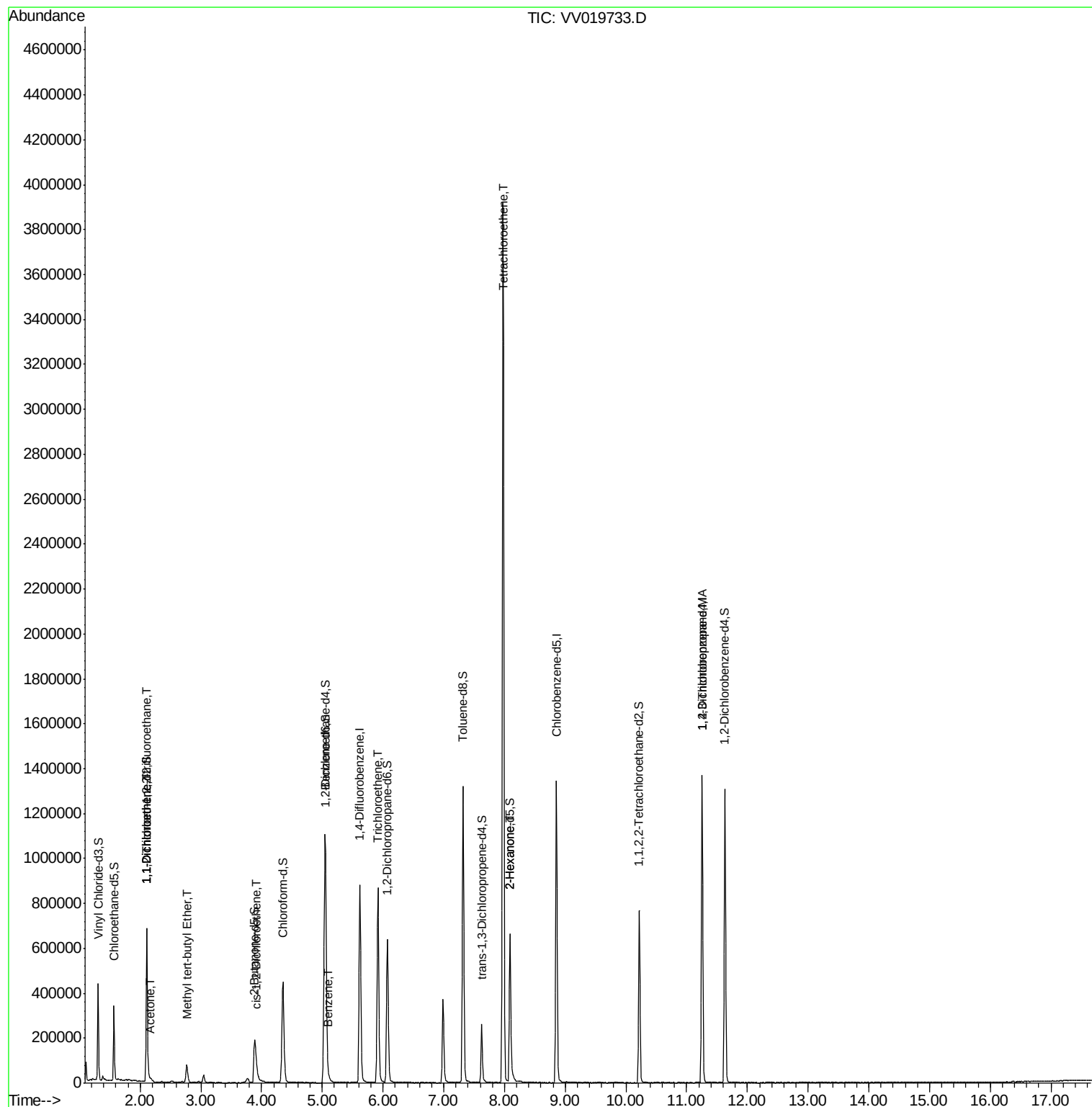
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2966	0.705	ug/L #	22
12) 1,1-Dichloroethene	2.11	96	3806	0.882	ug/L #	1
13) Acetone	2.18	43	18066	7.511	ug/L	94
18) Methyl tert-butyl Ether	2.77	73	69147	4.184	ug/L #	87
20) cis-1,2-Dichloroethene	3.92	96	9011	1.733	ug/L #	94
33) Benzene	5.11	78	18358	0.924	ug/L	100
34) Trichloroethene	5.92	95	300903	57.349	ug/L	99
46) Tetrachloroethene	7.98	164	785181	216.268	ug/L	99
48) 2-Hexanone	8.09	43	28090	4.947	ug/L #	71
59) 1,2,3-Trichloropropane	11.25	75	44179	6.848	ug/L	90

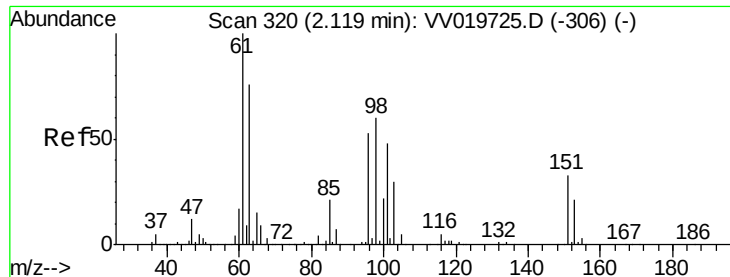
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.705 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

BG4P9

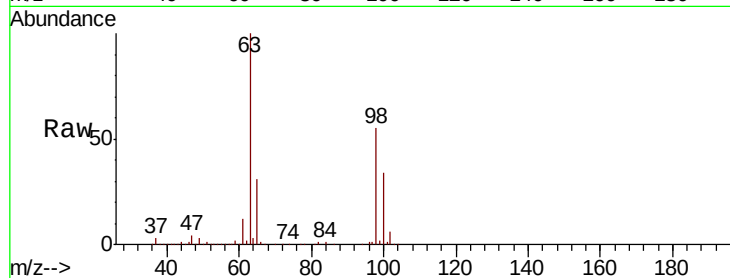
Tot Ion:101 Resp: 2966

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

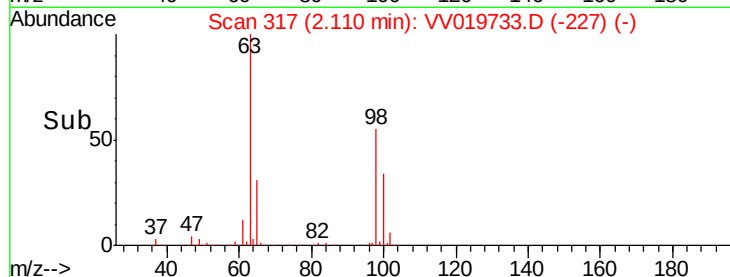
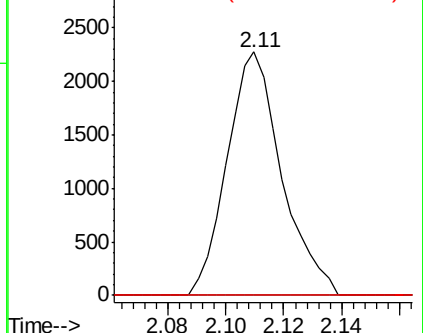
151 0.0 55.8 83.8#



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: 0.882 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

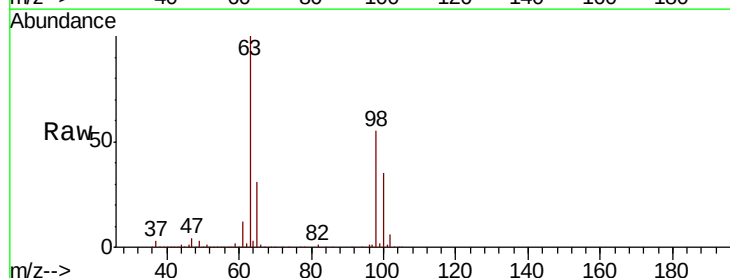
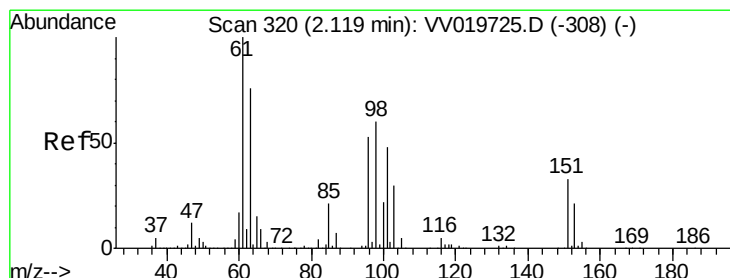
Tgt Ion: 96 Resp: 3806

Ion Ratio Lower Upper

96 100

61 1287.1 120.7 224.1#

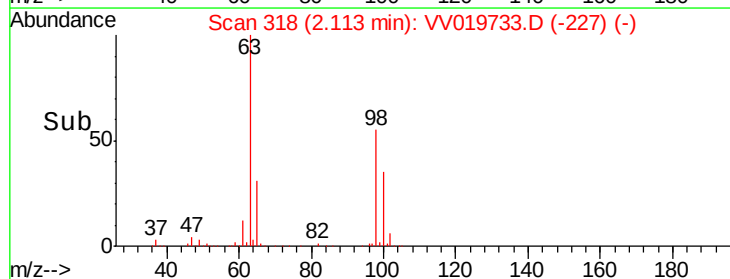
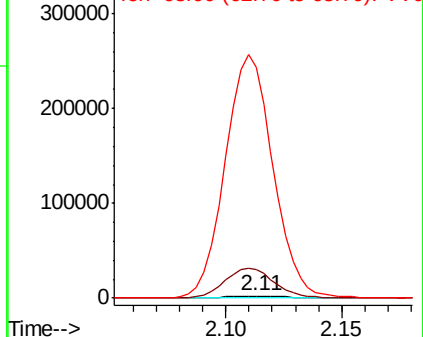
63 10351.3 64.3 119.5#

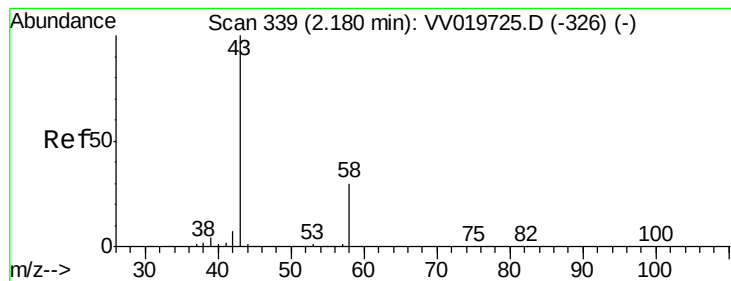


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.511 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

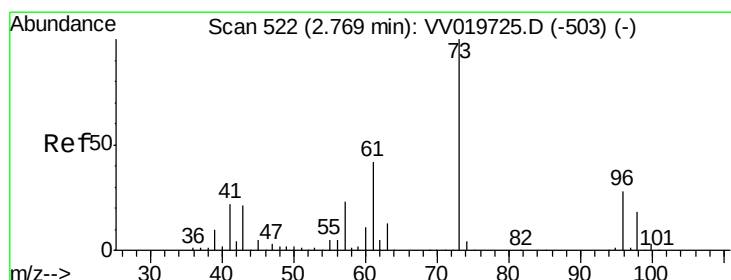
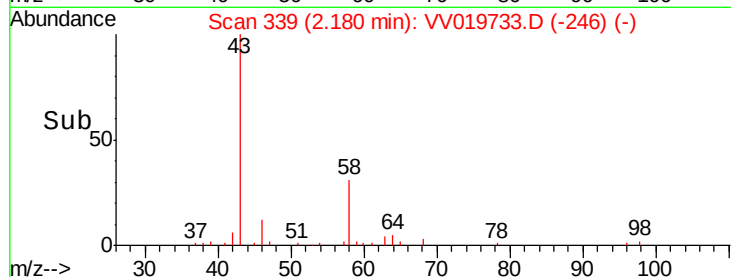
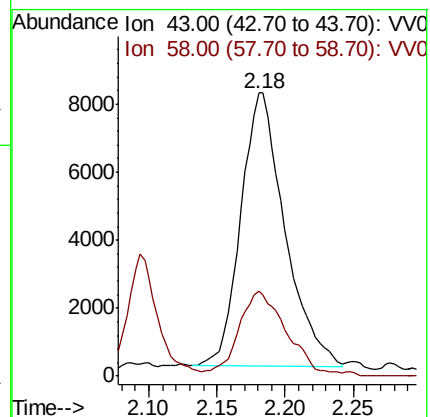
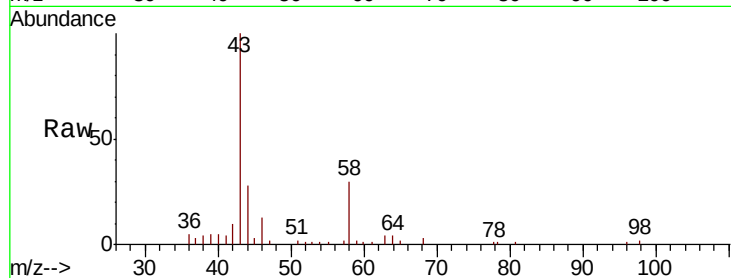
Instrument :
MSVOA_V
ClientSampleId :
BG4P9

Tot Ion: 43 Resp: 18066

Ion Ratio Lower Upper

43 100

58 33.9 0.0 61.6



#18

Methyl tert-butyl Ether

Concen: 4.184 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

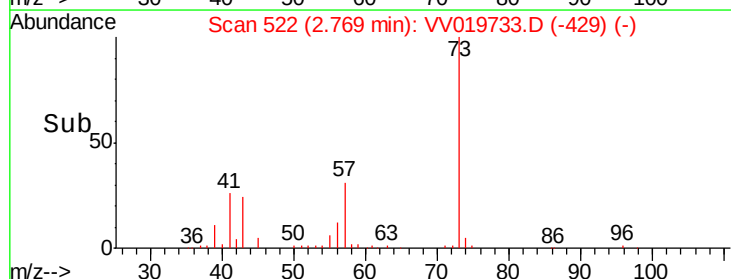
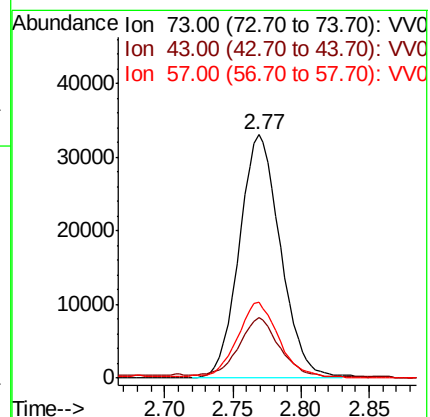
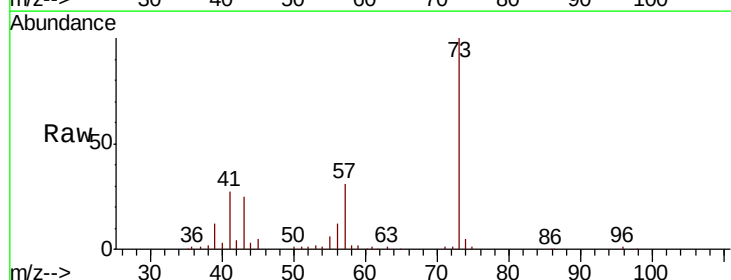
Tgt Ion: 73 Resp: 69147

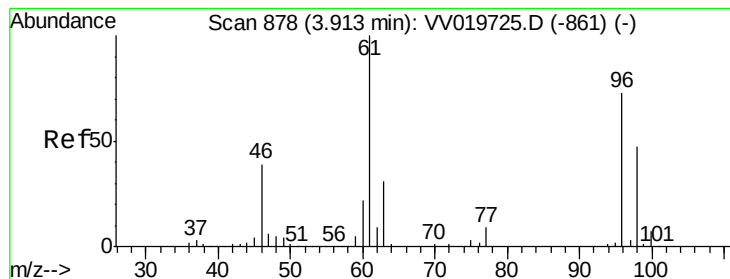
Ion Ratio Lower Upper

73 100

43 23.6 17.3 25.9

57 32.0 17.5 26.3#





#20

cis-1,2-Dichloroethene

Concen: 1.733 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.00 min

Lab File: VV019733.D

Acq: 19 Dec 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

BG4P9

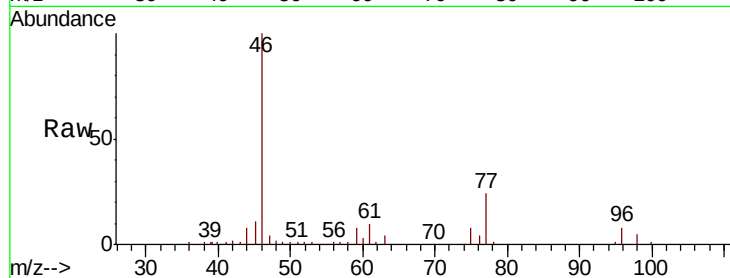
Tot Ion: 96 Resp: 9011

Ion Ratio Lower Upper

96 100

61 127.4 94.1 174.8

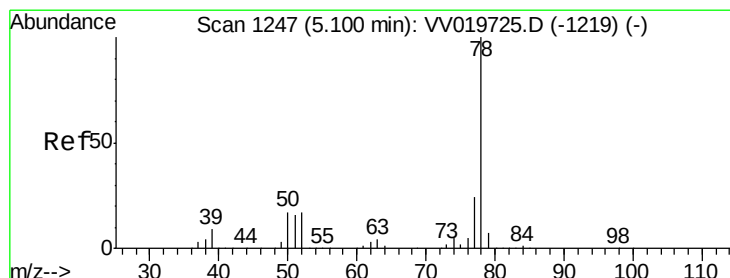
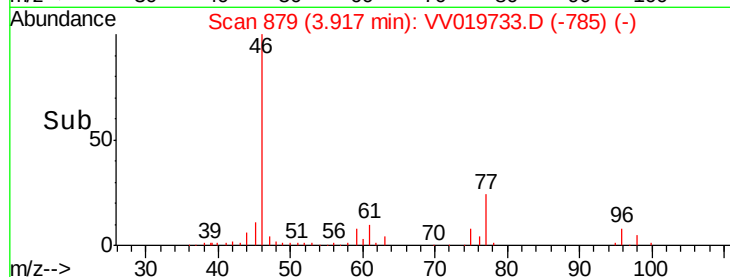
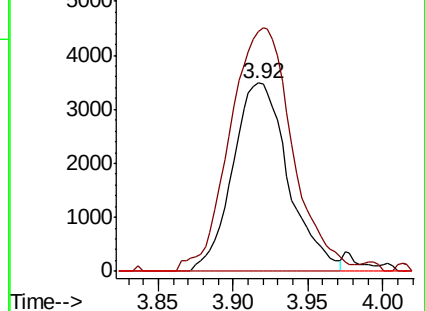
68 0.0 0.1 0.1#



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: 0.924 ug/L

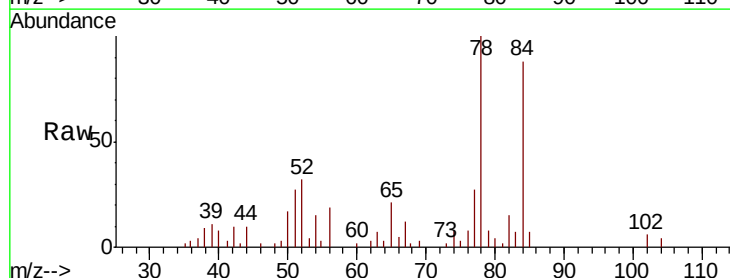
RT: 5.11 min Scan# 1249

Delta R.T. 0.01 min

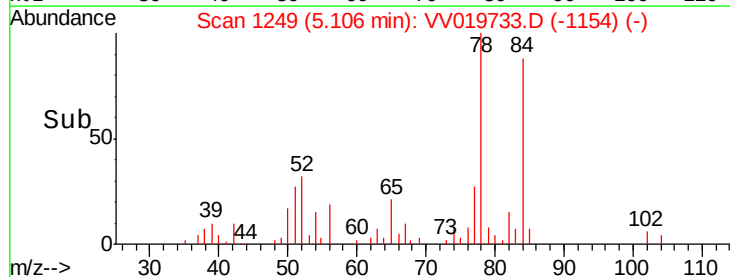
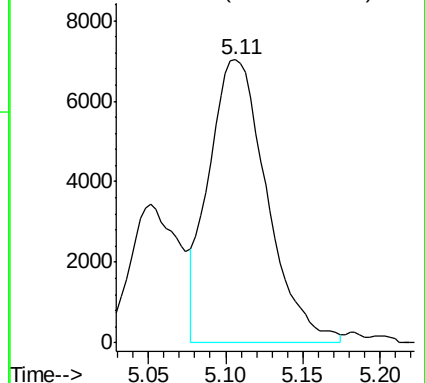
Lab File: VV019733.D

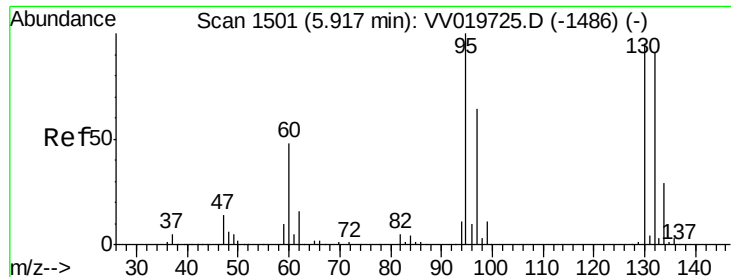
Acq: 19 Dec 2020 13:24

Tgt Ion: 78 Resp: 18358



Abundance Ion 78.00 (77.70 to 78.70): VV0

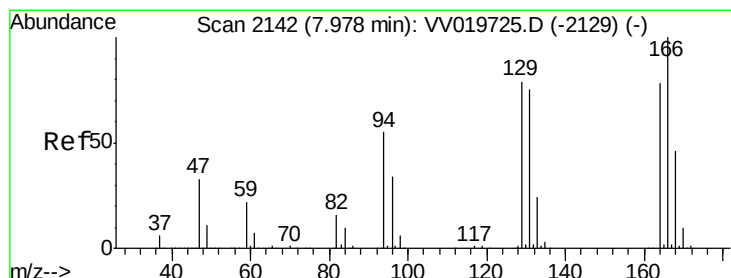
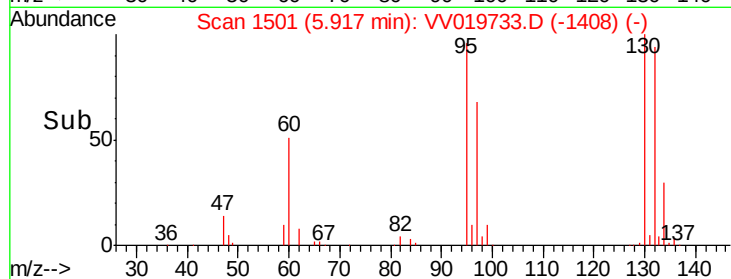
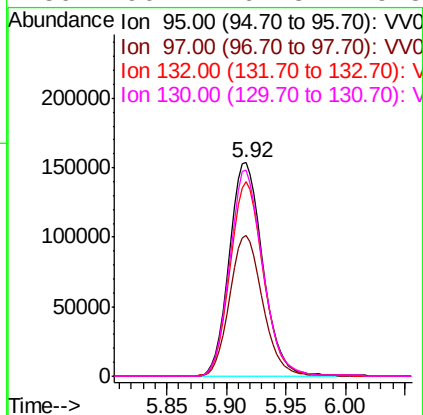
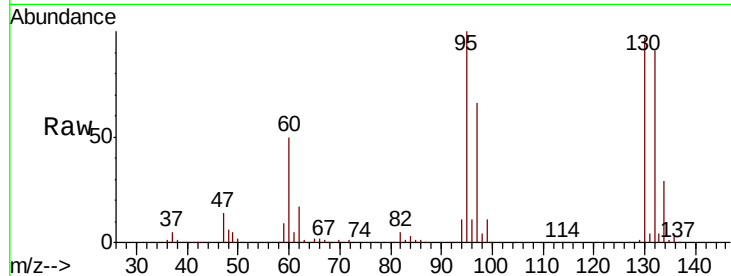




#34
 Trichloroethene
 Concen: 57.349 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019733.D
 Acq: 19 Dec 2020 13:24

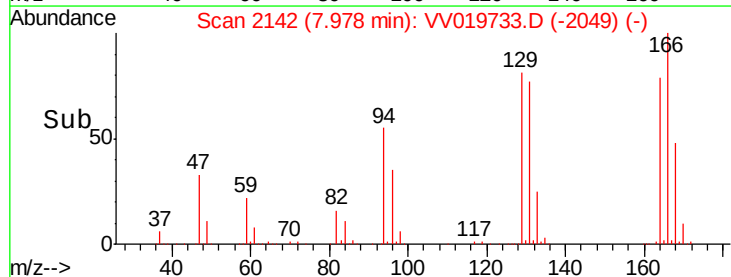
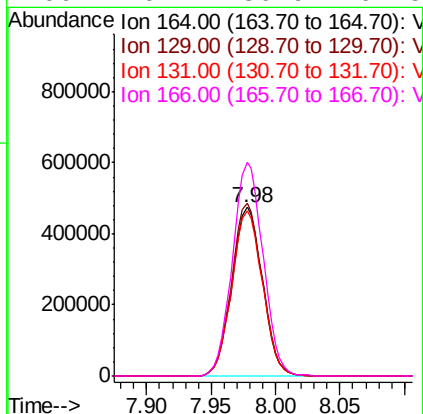
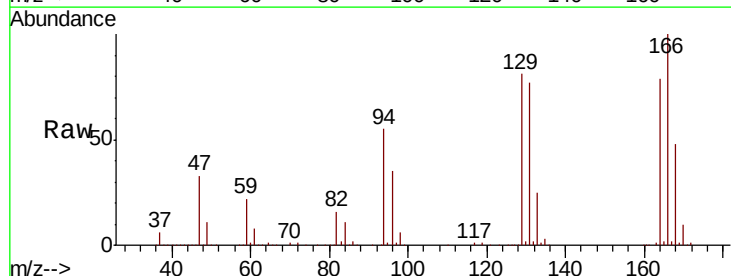
Instrument :
 MSVOA_V
 ClientSampleId :
 BG4P9

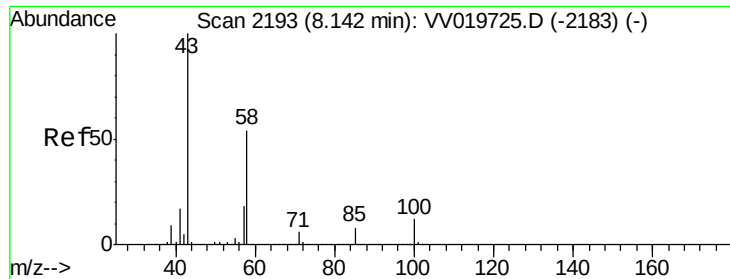
Tot Ion:	95	Resp:	300903
Ion	Ratio	Lower	Upper
95	100		
97	65.9	44.4	82.4
132	90.8	64.3	119.3
130	96.7	67.8	125.8



#46
 Tetrachloroethene
 Concen: 216.268 ug/L
 RT: 7.98 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VV019733.D
 Acq: 19 Dec 2020 13:24

Tgt Ion:	164	Resp:	785181
Ion	Ratio	Lower	Upper
164	100		
129	102.3	70.6	131.0
131	97.6	68.0	126.4
166	126.7	86.9	161.5

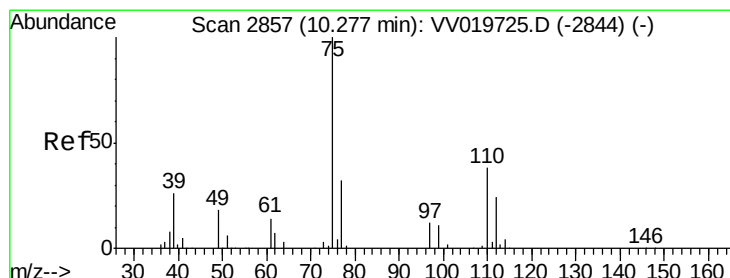
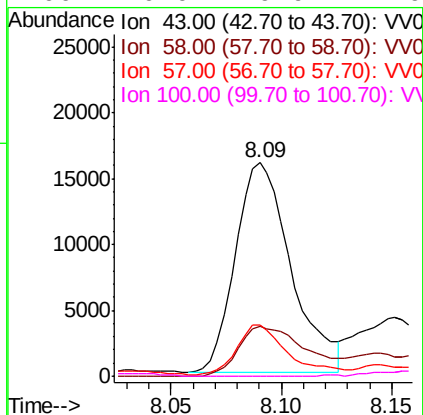
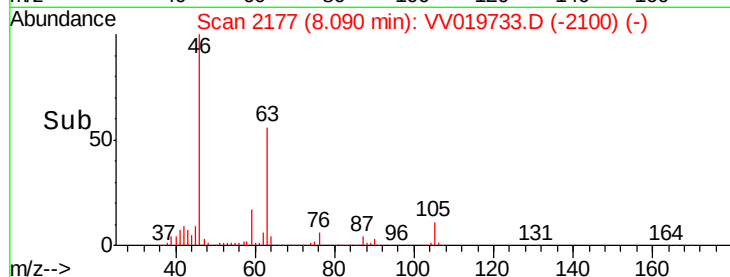
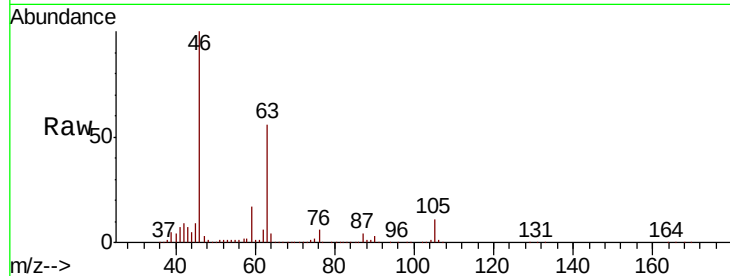




#48
 2-Hexanone
 Concen: 4.947 ug/L
 RT: 8.09 min Scan# 2177
 Delta R.T. -0.05 min
 Lab File: VV019733.D
 Acq: 19 Dec 2020 13:24

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4P9

Tot Ion: 43 Resp: 28090
 Ion Ratio Lower Upper
 43 100
 58 28.4 44.4 66.6#
 57 21.2 15.7 23.5
 100 0.0 9.9 14.9#



#59
 1,2,3-Trichloropropane
 Concen: 6.848 ug/L
 RT: 11.25 min Scan# 3161
 Delta R.T. 0.98 min
 Lab File: VV019733.D
 Acq: 19 Dec 2020 13:24

Tgt Ion: 75 Resp: 44179
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.8 38.8

