

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011727.D
 Acq On : 24 Jun 2019 13:12
 Operator : SY/MD
 Sample : K3462-15 1000X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:22:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	166553	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	150085	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63845	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57548	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.57	69	44509	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.12	63	86053	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	3.95	46	155222	53.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	4.40	84	113870	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
26) 1,2-Dichloroethane-d4	5.08	65	65864	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.10	84	237529	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.12	67	72380	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.36	98	202478	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.67	79	22483	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.14	63	119525	56.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48229	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	67394	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

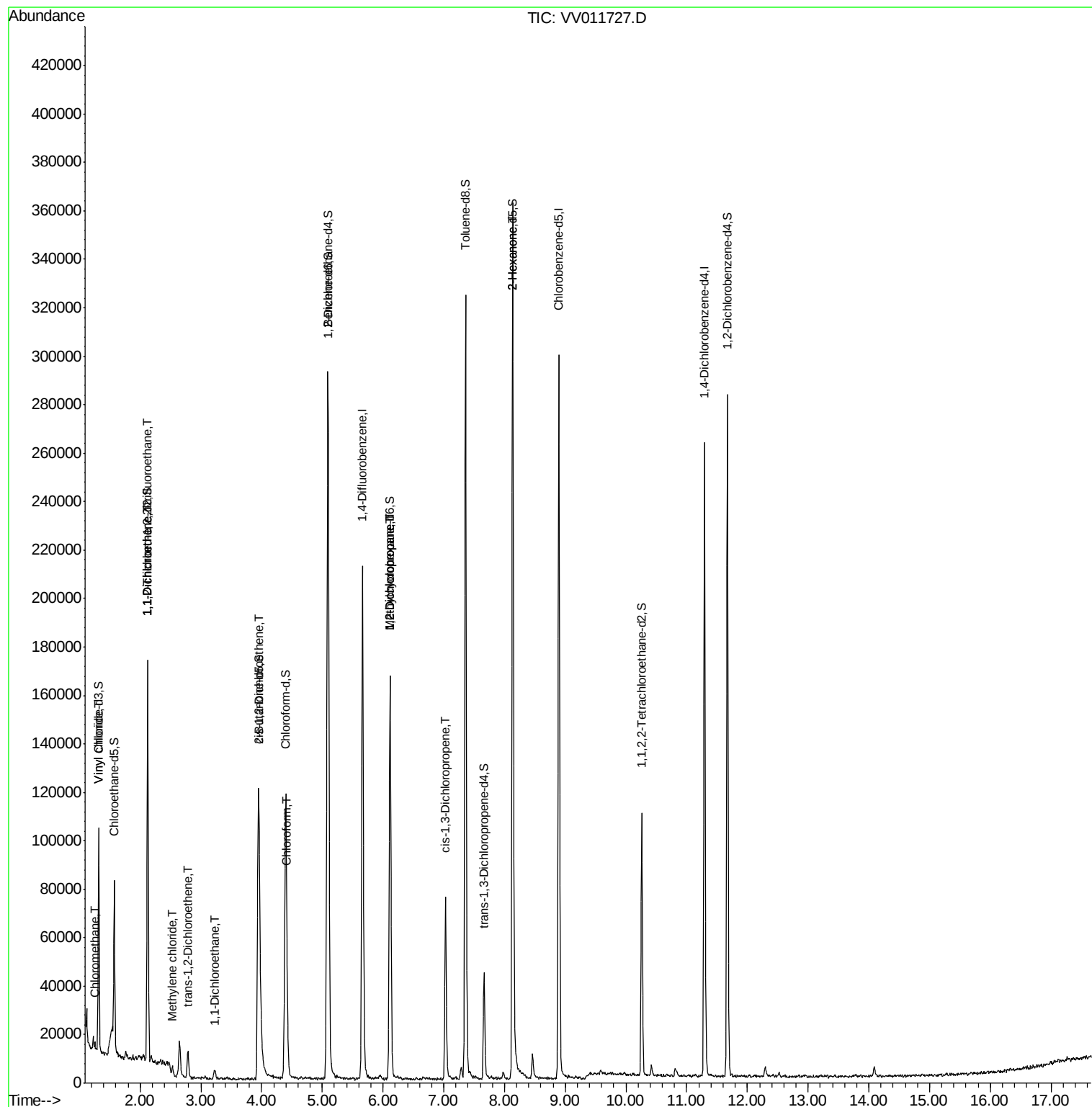
					Ovalue
3) Chloromethane	1.25	50	2317	0.147 ug/L	97
5) Vinyl chloride	1.32	62	1475	0.096 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	922	0.082 ug/L #	26
12) 1,1-Dichloroethene	2.13	96	1420	0.138 ug/L #	1
16) Methylene chloride	2.53	84	1397	0.122 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	3678	0.303 ug/L	91
19) 1,1-Dichloroethane	3.23	63	3214	0.133 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	19755	1.483 ug/L	95
25) Chloroform	4.42	83	5181	0.196 ug/L	91
35) Methylcyclohexane	6.12	83	17453	0.819 ug/L #	14
37) 1,2-Dichloropropane	6.12	63	8854	0.701 ug/L #	88
39) cis-1,3-Dichloropropene	7.02	75	2055	0.124 ug/L #	64
48) 2-Hexanone	8.14	43	15113	2.712 ug/L #	71

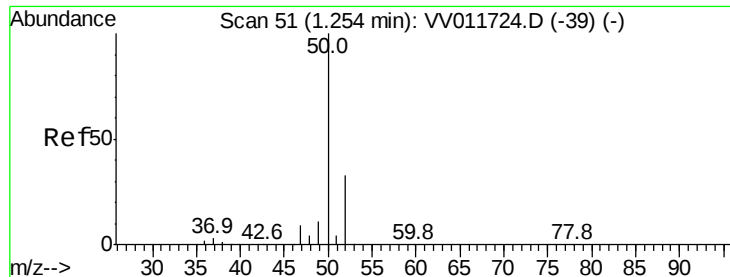
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 25 08:19:08 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.147 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011727.D

Acq: 24 Jun 2019 13:12

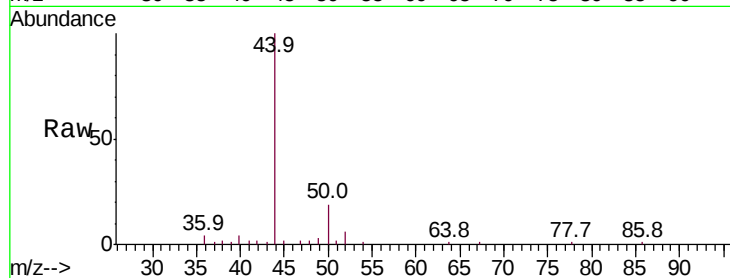
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 2317

Ion Ratio Lower Upper

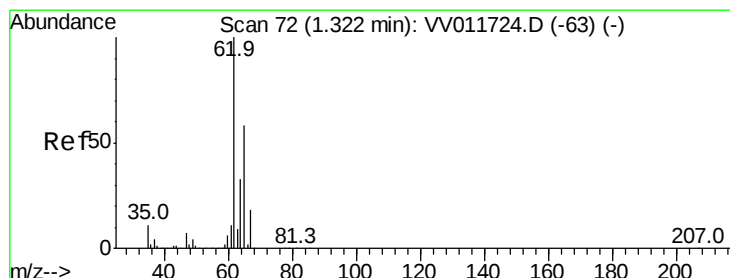
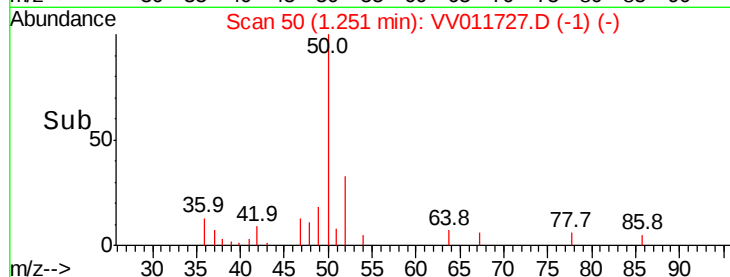
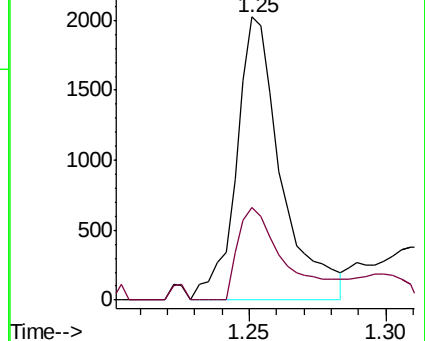
50 100

52 32.8 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.096 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011727.D

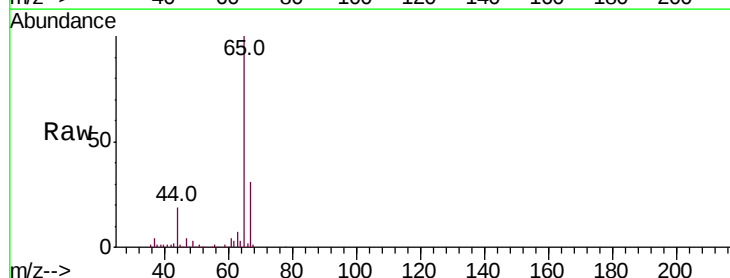
Acq: 24 Jun 2019 13:12

Tgt Ion: 62 Resp: 1475

Ion Ratio Lower Upper

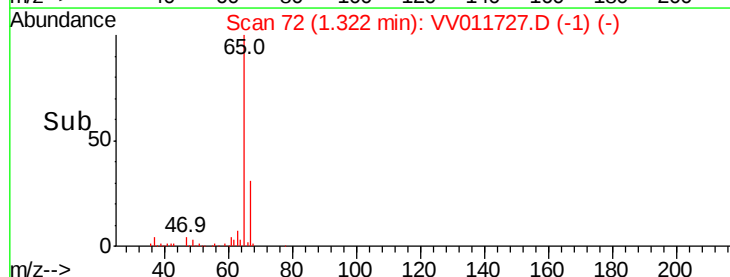
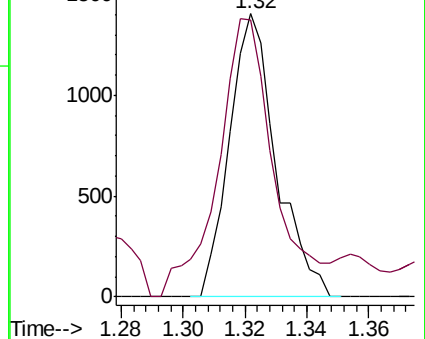
62 100

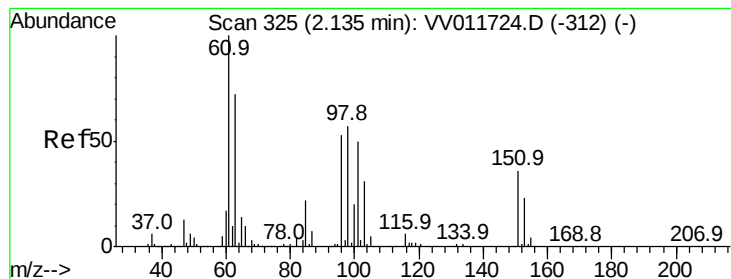
64 98.1 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#10

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

Concen: 0.082 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011727.D

Acq: 24 Jun 2019 13:12

Instrument :

MSVOA_V

ClientSampleId :

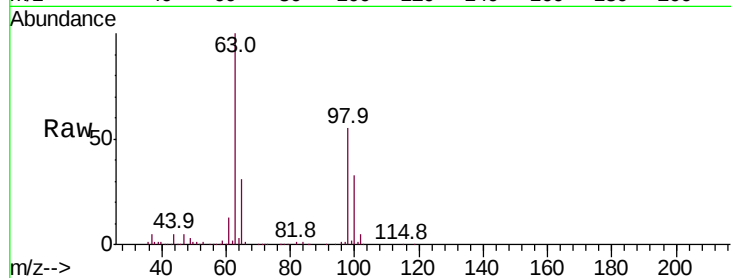
Tot Ion:101 Resp: 922

Ion Ratio Lower Upper

101 100

85 9.0 35.9 53.9#

151 0.0 57.4 86.2#



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

2.12

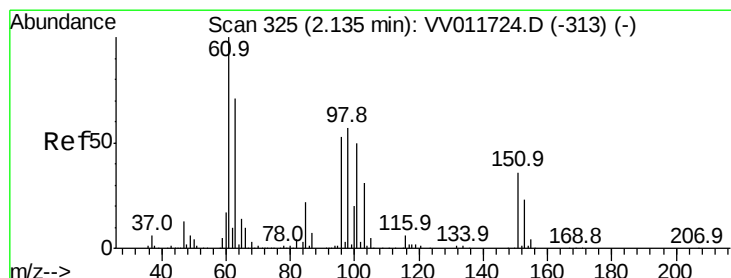
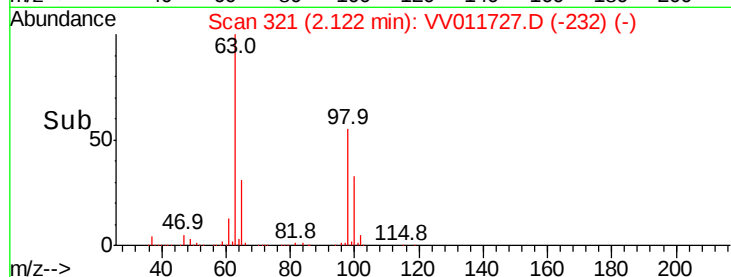
600

400

200

0

Time--> 2.08 2.10 2.12 2.14 2.16



#12

1,1-Dichloroethene

Concen: 0.138 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011727.D

Acq: 24 Jun 2019 13:12

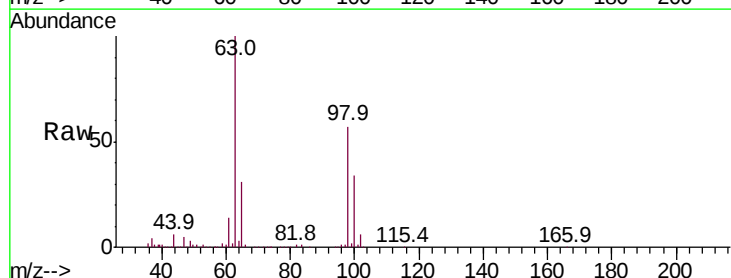
Tgt Ion: 96 Resp: 1420

Ion Ratio Lower Upper

96 100

61 1094.3 131.5 244.1#

63 7968.7 91.8 170.4#



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

80000

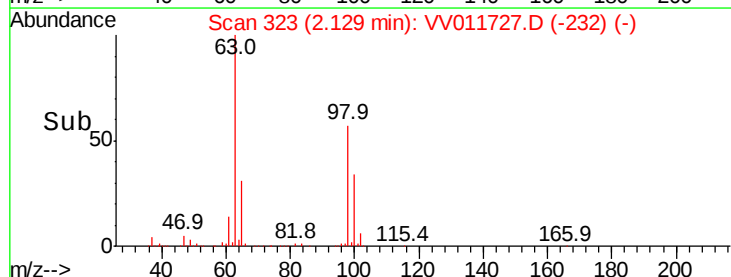
60000

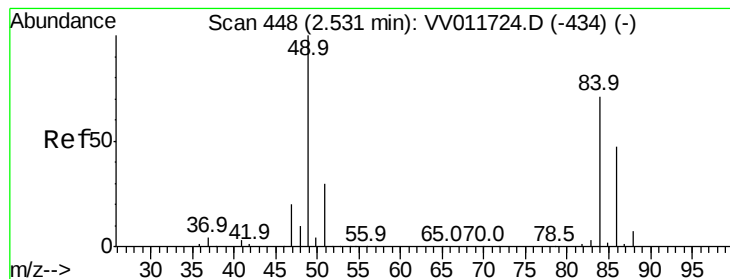
40000

20000

0

Time--> 2.10 2.15





#16

Methylene chloride

Concen: 0.122 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

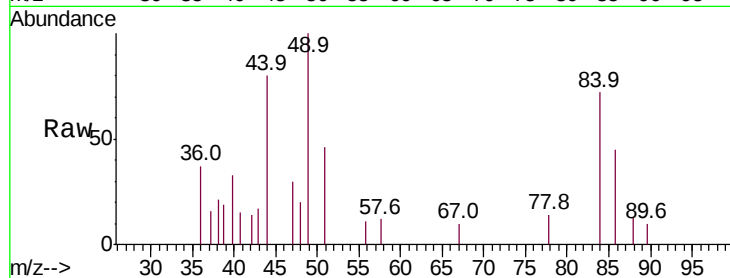
Lab File: VV011727.D

Acq: 24 Jun 2019 13:12

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 1397

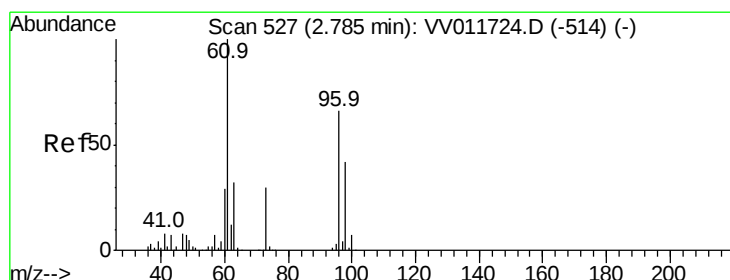
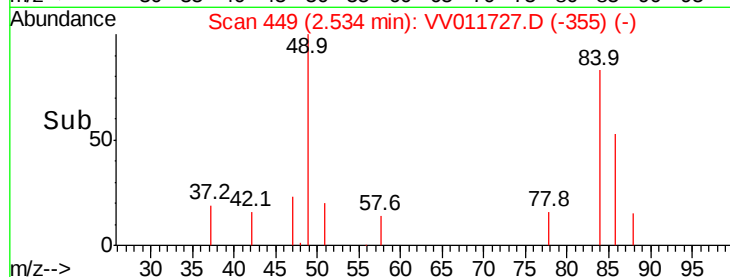
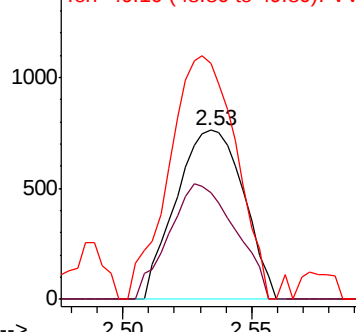
Ion	Ratio	Lower	Upper
84	100		
86	63.2	44.9	83.5
49	139.6	101.4	188.2



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.303 ug/L

RT: 2.78 min Scan# 527

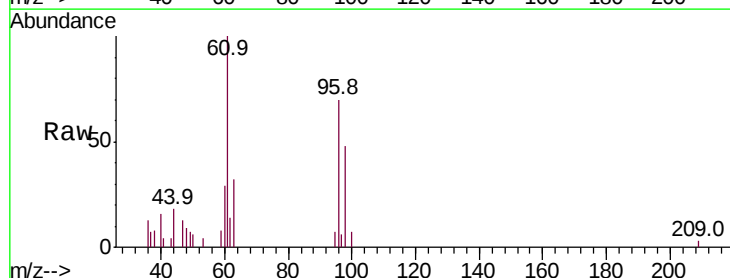
Delta R.T. -0.00 min

Lab File: VV011727.D

Acq: 24 Jun 2019 13:12

Tgt Ion: 96 Resp: 3678

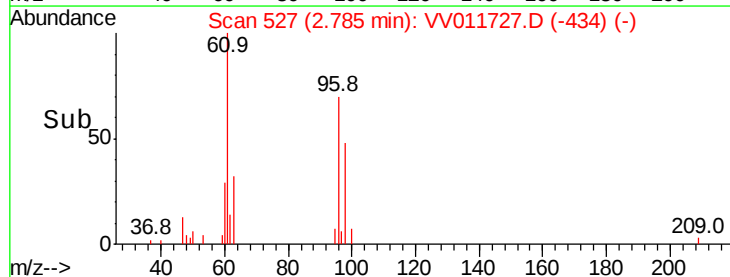
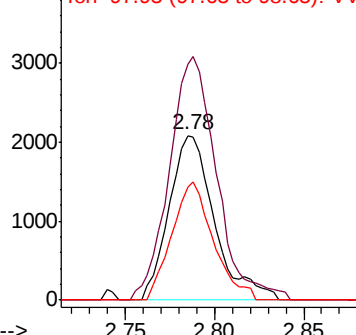
Ion	Ratio	Lower	Upper
96	100		
61	143.6	109.3	203.1
98	69.0	44.6	82.8

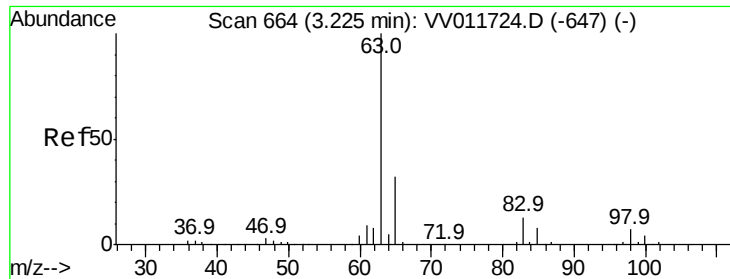


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

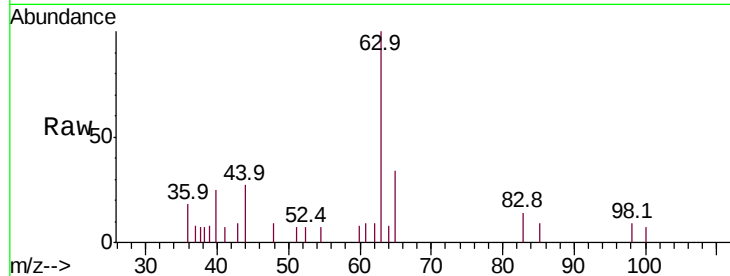




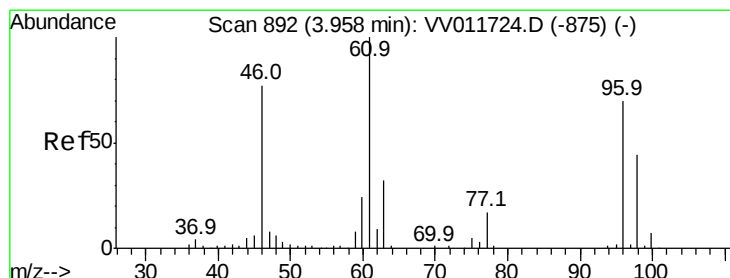
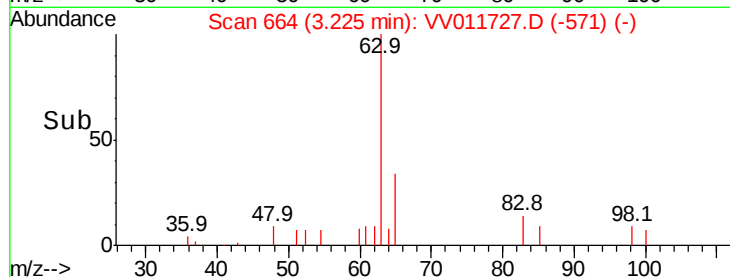
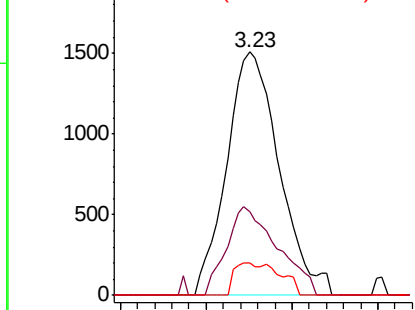
#19
 1,1-Dichloroethane
 Concen: 0.133 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV011727.D
 Acq: 24 Jun 2019 13:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 3214
 Ion Ratio Lower Upper
 63 100
 65 34.5 23.0 42.8
 83 13.5 9.5 17.7

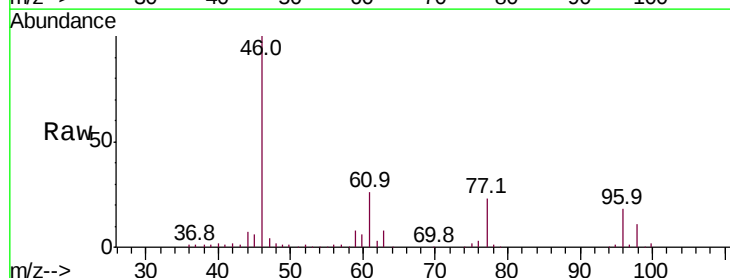


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

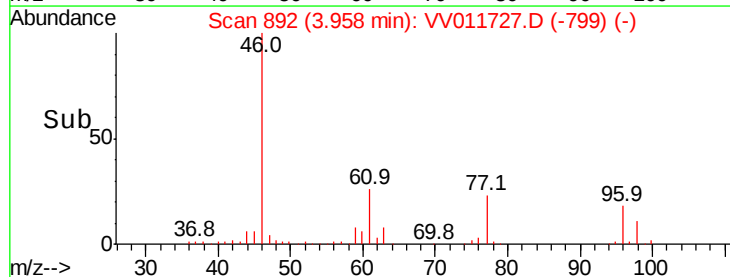
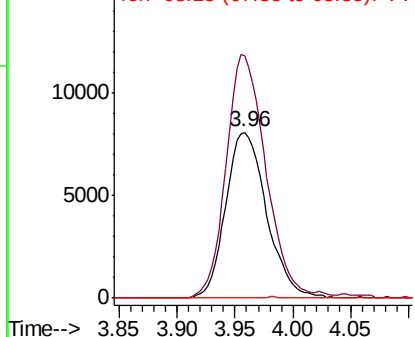


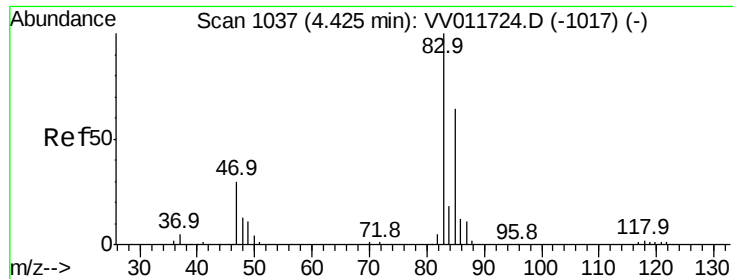
#22
 cis-1,2-Dichloroethene
 Concen: 1.483 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV011727.D
 Acq: 24 Jun 2019 13:12

Tgt Ion: 96 Resp: 19755
 Ion Ratio Lower Upper
 96 100
 61 145.9 97.9 181.7
 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

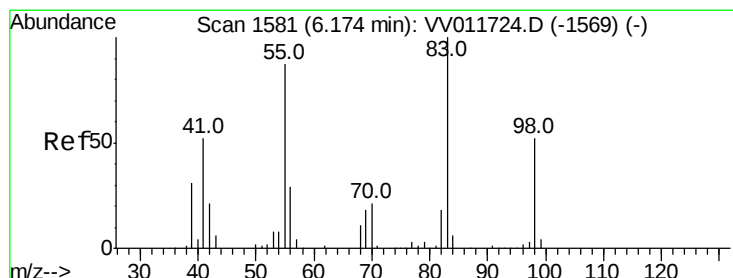
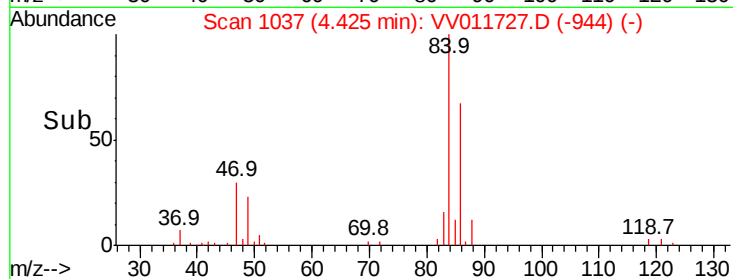
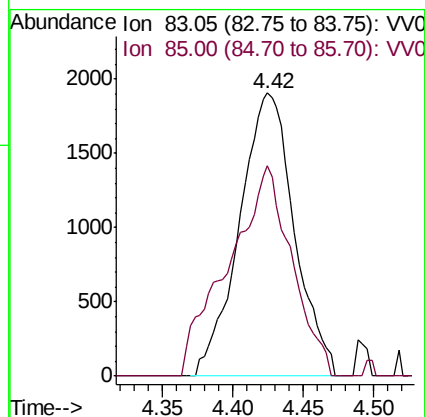
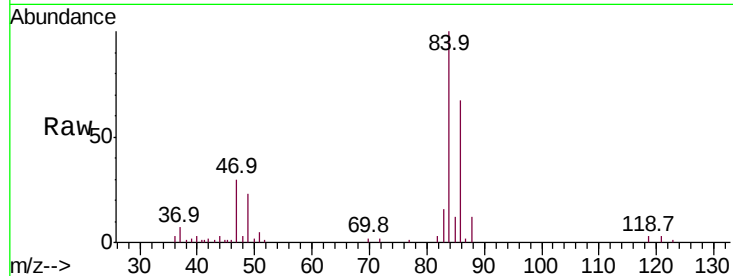




#25
Chloroform
Concen: 0.196 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011727.D
Acq: 24 Jun 2019 13:12

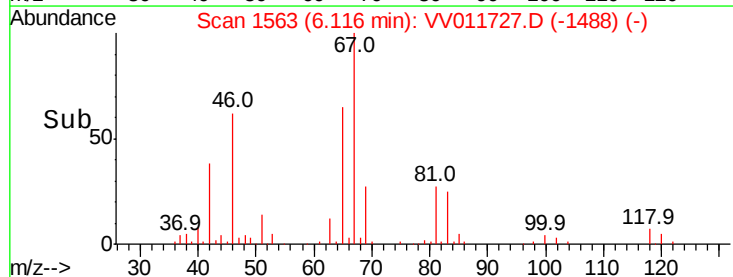
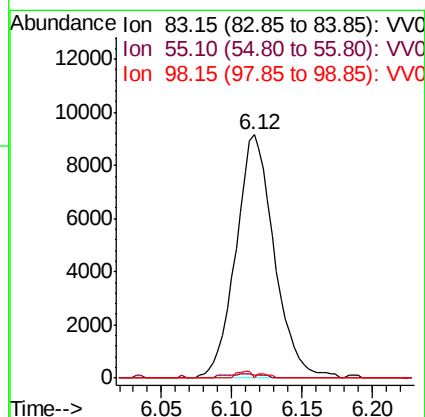
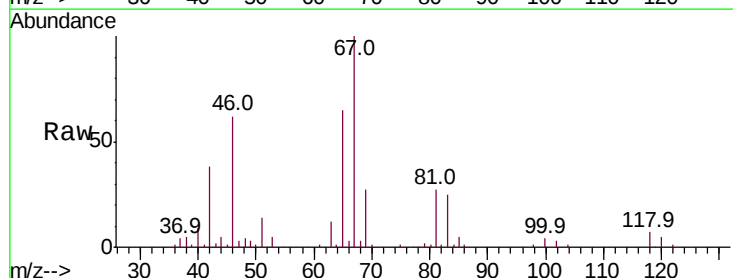
Instrument :
MSVOA_V
ClientSampleId :

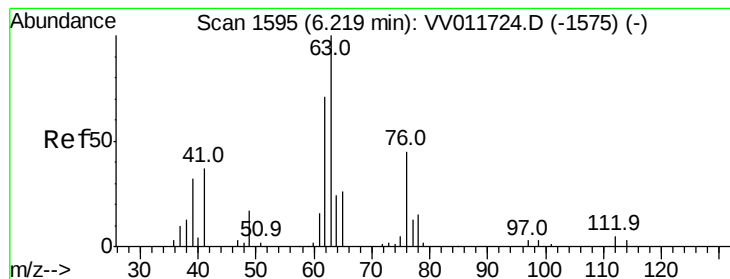
Tot Ion: 83 Resp: 5181
Ion Ratio Lower Upper
83 100
85 74.5 47.0 87.2



#35
Methylcyclohexane
Concen: 0.819 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011727.D
Acq: 24 Jun 2019 13:12

Tgt Ion: 83 Resp: 17453
Ion Ratio Lower Upper
83 100
55 0.0 69.4 104.2#
98 0.6 40.2 60.4#





#37

1,2-Dichloropropane

Concen: 0.701 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011727.D

Acq: 24 Jun 2019 13:12

Instrument :

MSVOA_V

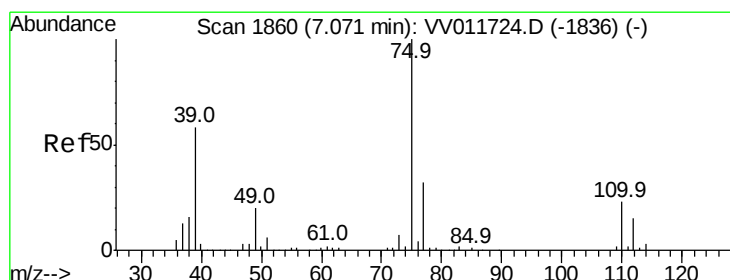
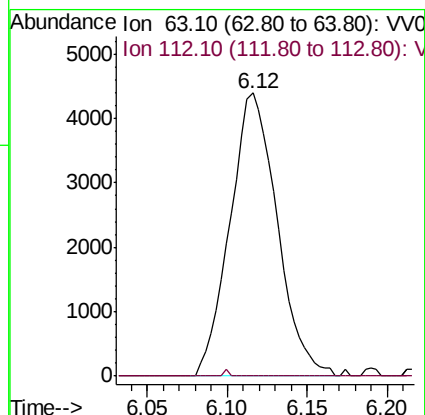
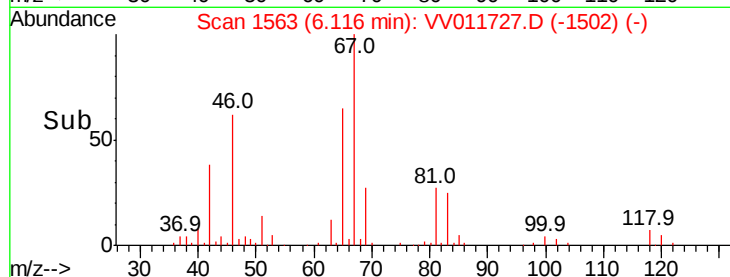
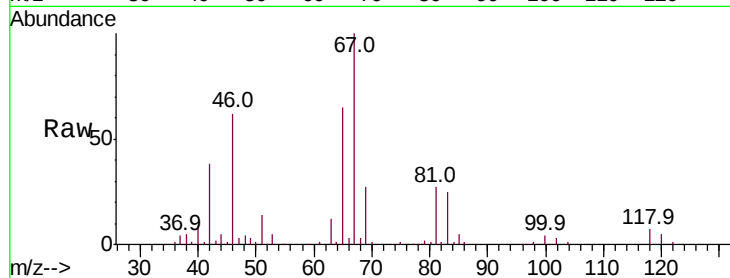
ClientSampleId :

Tot Ion: 63 Resp: 8854

Ion Ratio Lower Upper

63 100

112 0.2 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.05 min

Lab File: VV011727.D

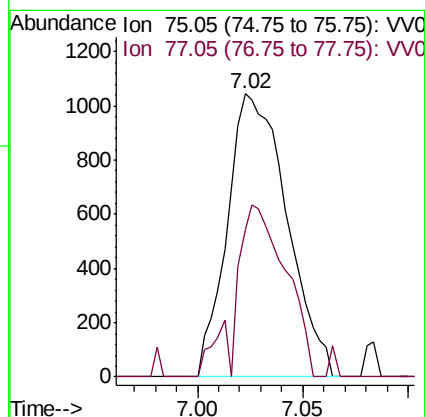
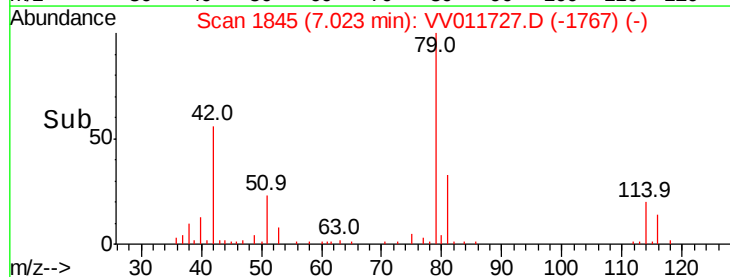
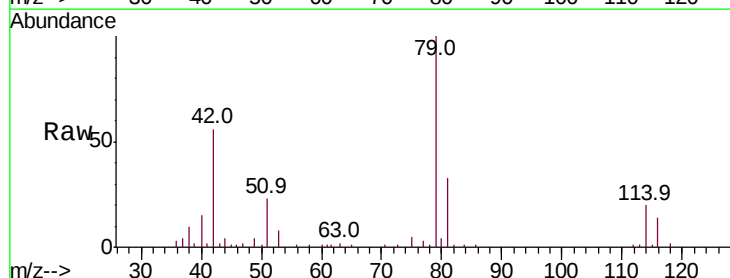
Acq: 24 Jun 2019 13:12

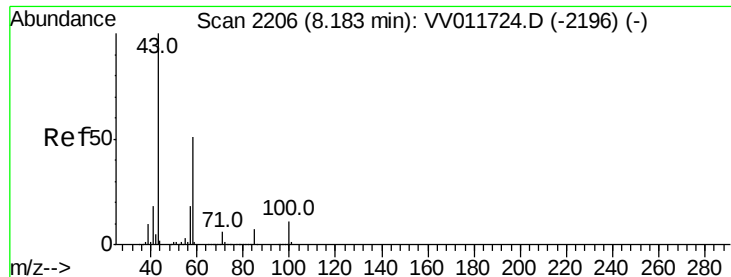
Tgt Ion: 75 Resp: 2055

Ion Ratio Lower Upper

75 100

77 52.2 22.4 41.6#

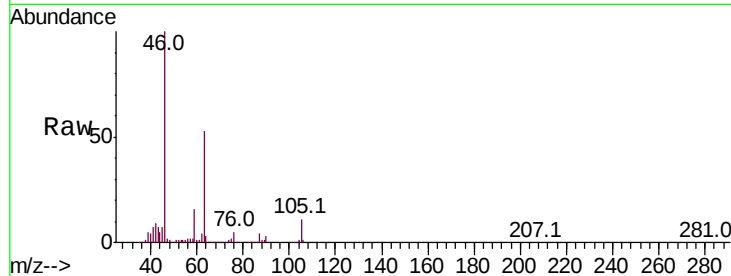




#48
 2-Hexanone
 Concen: 2.712 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV011727.D
 Acq: 24 Jun 2019 13:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.6	40.1	60.1#
57	26.9	14.4	21.6#
100	0.3	8.6	12.8#



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

