

Data File : VV009782.D
Acq On : 19 Mar 2019 16:54
Operator : SY/MD
Sample : K1988-01
Misc : 6.16g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF1H4

Quant Time: Mar 20 05:20:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 20 05:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164680	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	161863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72816	65.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	131.16%
7) Chloroethane-d5	1.55	69	39870	48.67	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.34%
11) 1,1-Dichloroethene-d2	2.10	63	131363	55.56	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.12%
21) 2-Butanone-d5	3.95	46	100904	152.57	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	152.57%#
24) Chloroform-d	4.40	84	151142	74.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	148.18%#
26) 1,2-Dichloroethane-d4	5.08	65	97644	78.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	157.74%#
32) Benzene-d6	5.09	84	324876	76.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	153.62%#
36) 1,2-Dichloropropane-d6	6.12	67	98206	76.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	152.52%#
41) Toluene-d8	7.36	98	308546	75.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	151.62%#
43) trans-1,3-Dichloropropene-	7.67	79	48637	79.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	159.74%#
47) 2-Hexanone-d5	8.14	63	84788	161.77	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	161.77%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	146003	74.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	149.48%#
64) 1,2-Dichlorobenzene-d4	11.68	152	112387	81.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	163.22%#

Target Compounds

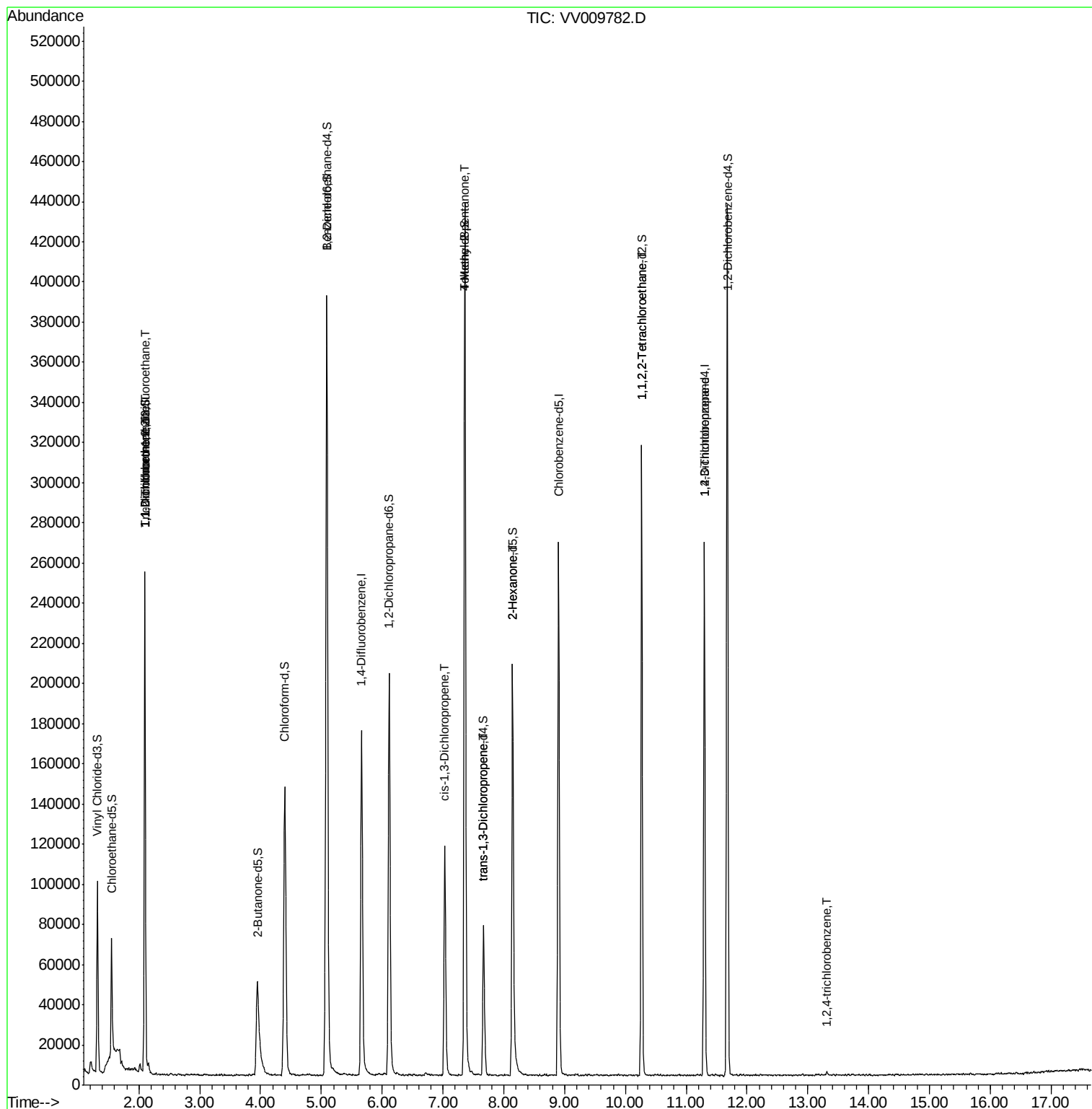
					Qvalue	
9) Trichlorofluoromethane	2.10	101	1278	0.624	ug/L #	28
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	1278	1.128	ug/L #	19
12) 1,1-Dichloroethene	2.10	96	1117	1.138	ug/L #	1
39) cis-1,3-Dichloropropene	7.03	75	3303	1.919	ug/L #	55
40) 4-Methyl-2-pentanone	7.35	43	1279	0.865	ug/L #	1
44) trans-1,3-Dichloropropene	7.67	75	2693	1.652	ug/L	88
48) 2-Hexanone	8.15	43	10180	9.245	ug/L #	56
58) 1,1,2,2-Tetrachloroethane	10.27	83	814	0.402	ug/L #	1
59) 1,2,3-Trichloropropane	11.30	75	8696	5.866	ug/L #	88
68) 1,2,4-trichlorobenzene	13.31	180	629	0.632	ug/L #	82

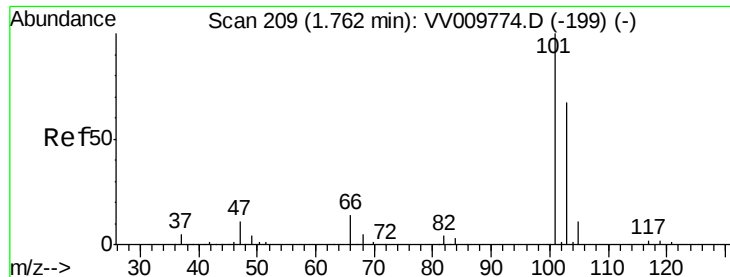
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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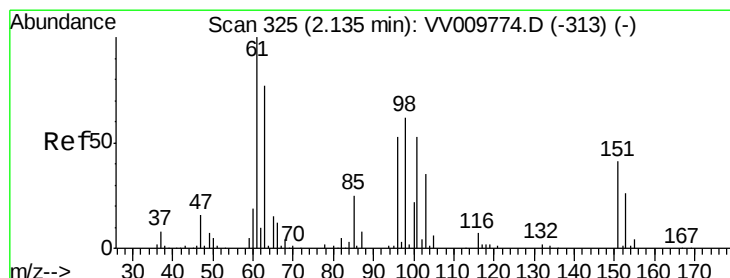
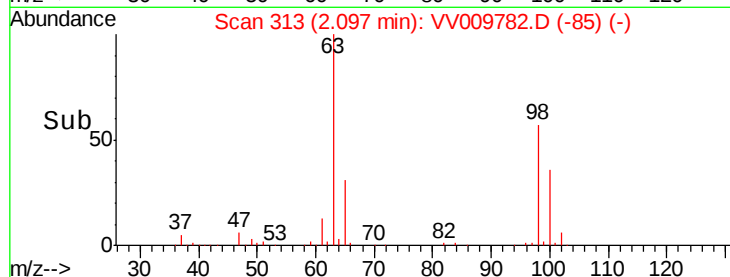
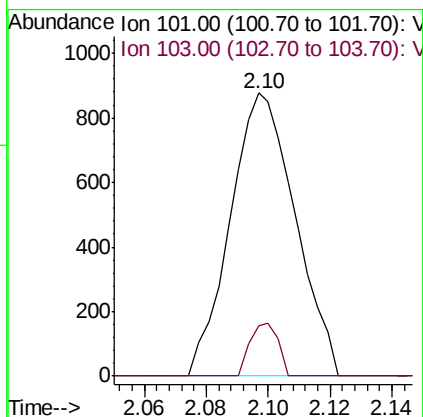
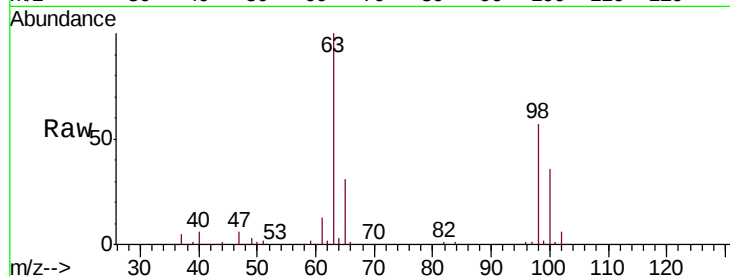


#9

Trichlorofluoromethane
 Concen: 0.624 ug/L
 RT: 2.10 min Scan# 313
 Delta R.T. 0.33 min
 Lab File: VV009782.D
 Acq: 19 Mar 2019 16:54

Instrument :
 MSVOA_V
 ClientSampleId :
 BF1H4

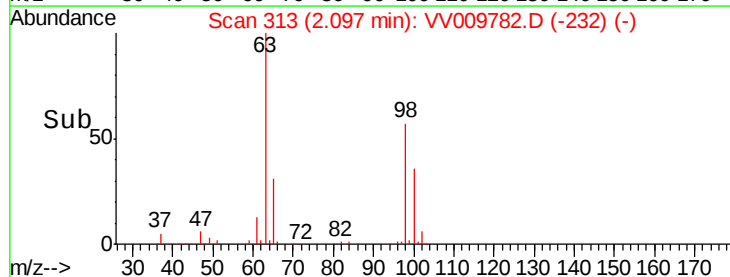
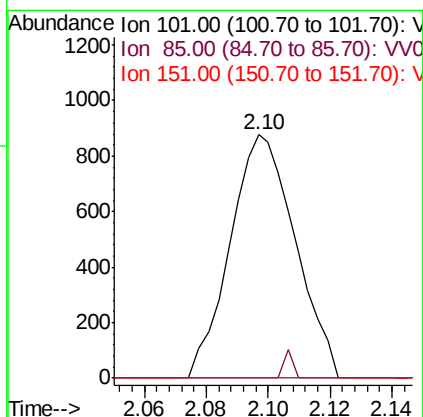
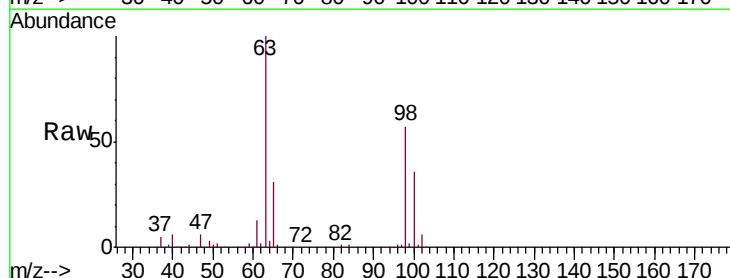
Tgt Ion:101 Resp: 1278
 Ion Ratio Lower Upper
 101 100
 103 8.1 52.3 78.5#

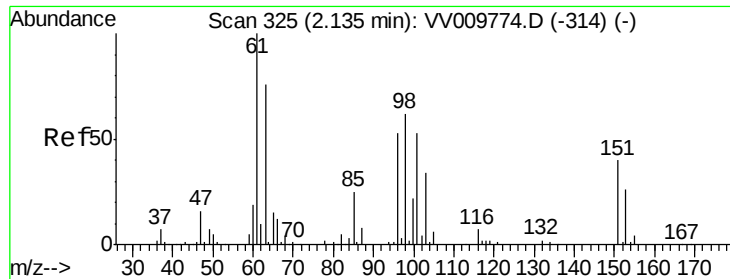


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.128 ug/L
 RT: 2.10 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VV009782.D
 Acq: 19 Mar 2019 16:54

Tgt Ion:101 Resp: 1278
 Ion Ratio Lower Upper
 101 100
 85 0.0 38.5 57.7#
 151 0.0 58.9 88.3#





#12

1,1-Dichloroethene

Concen: 1.138 ug/L

RT: 2.10 min Scan# 313

Delta R.T. -0.04 min

Lab File: VV009782.D

Acq: 19 Mar 2019 16:54

Instrument :

MSVOA_V

ClientSampleId :

BF1H4

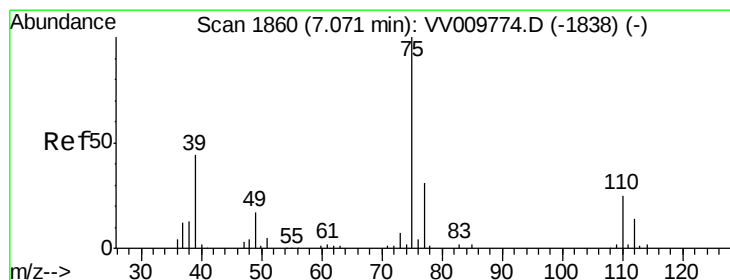
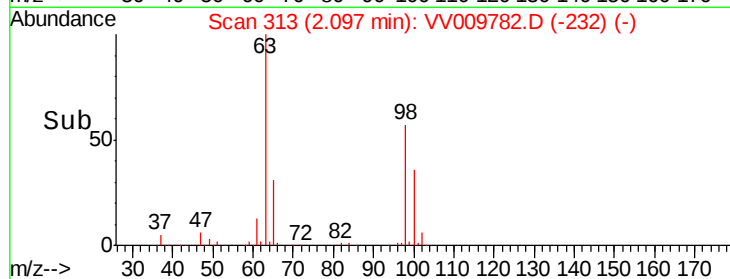
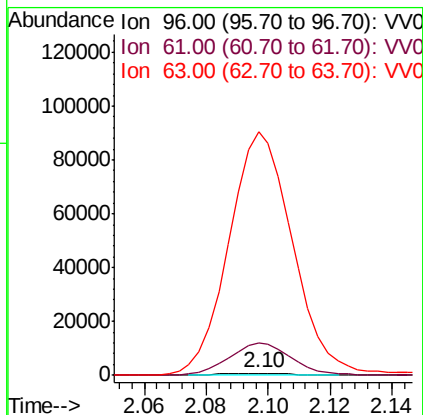
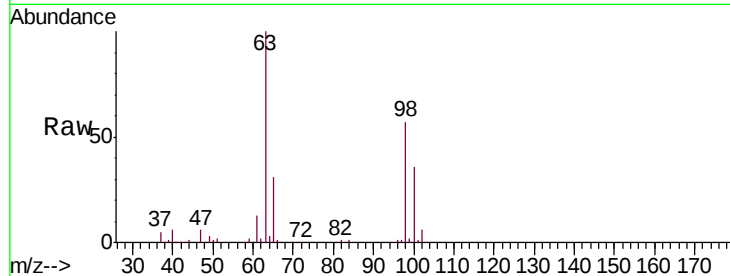
Tgt Ion: 96 Resp: 1117

Ion Ratio Lower Upper

96 100

61 1719.4 135.5 251.7#

63 12823.8 100.2 186.2#



#39

cis-1,3-Dichloropropene

Concen: 1.919 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV009782.D

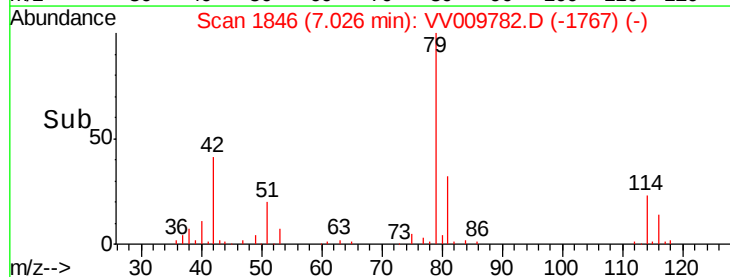
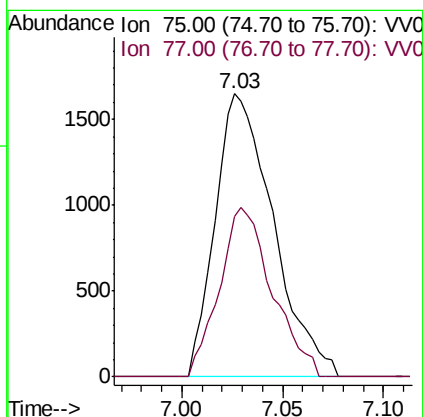
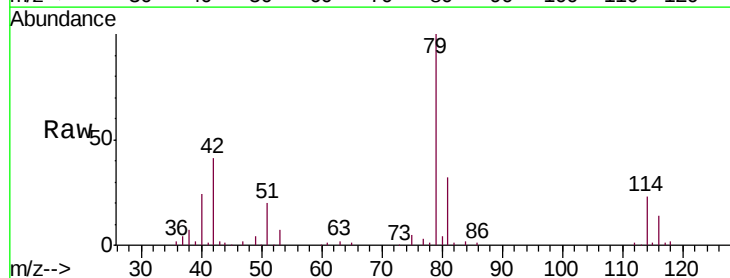
Acq: 19 Mar 2019 16:54

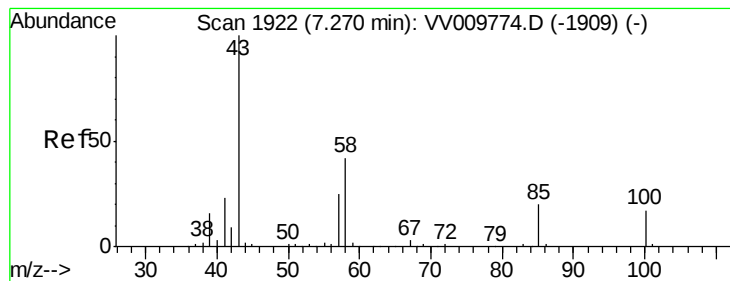
Tgt Ion: 75 Resp: 3303

Ion Ratio Lower Upper

75 100

77 56.9 22.4 41.6#





#40

4-Methyl-2-pentanone

Concen: 0.865 ug/L

RT: 7.35 min Scan# 1948

Delta R.T. 0.08 min

Lab File: VV009782.D

Acq: 19 Mar 2019 16:54

Instrument :

MSVOA_V

ClientSampleId :

BF1H4

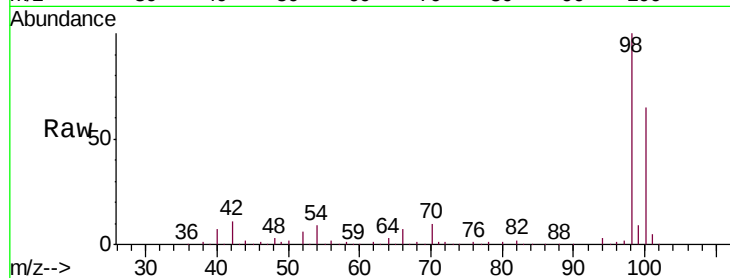
Tgt Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

58 190.9 32.3 48.5#

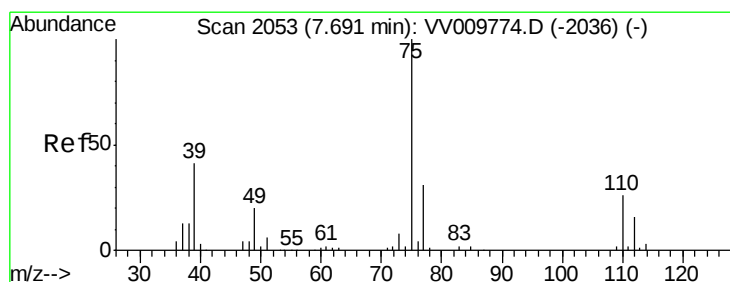
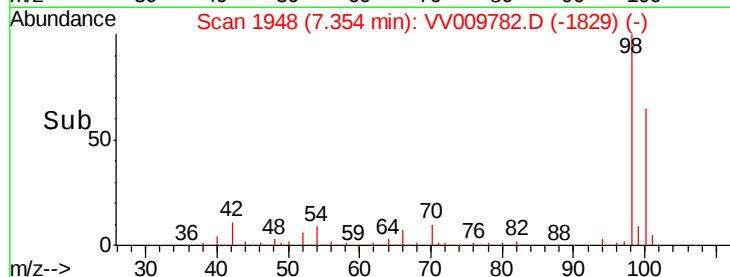
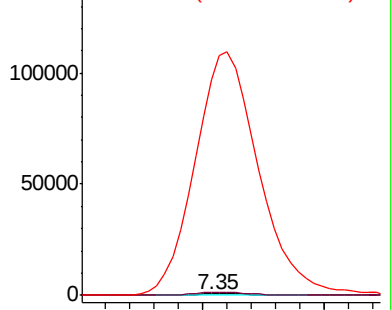
100 15707.8 13.7 20.5#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.652 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009782.D

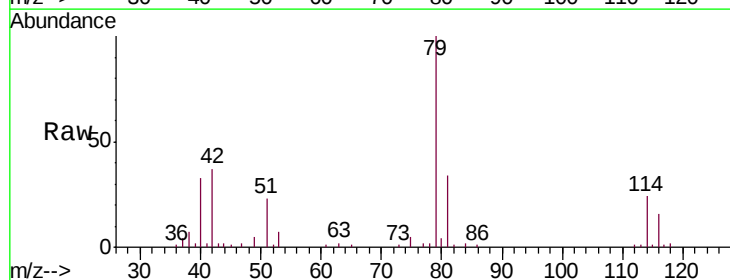
Acq: 19 Mar 2019 16:54

Tgt Ion: 75 Resp: 2693

Ion Ratio Lower Upper

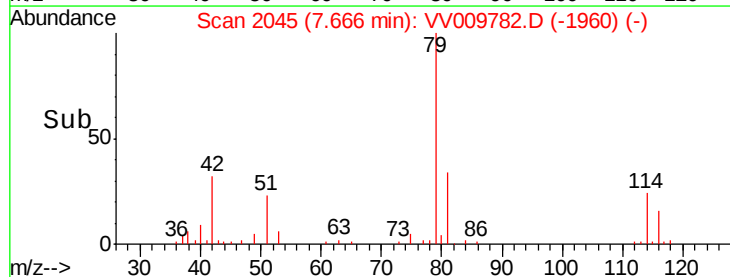
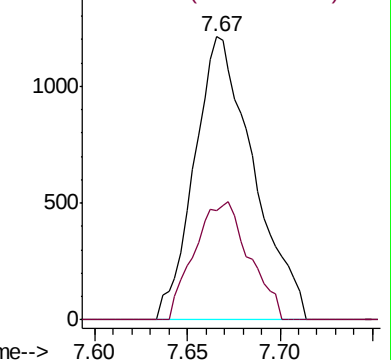
75 100

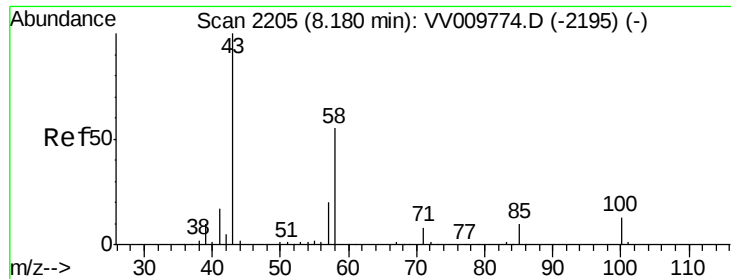
77 38.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

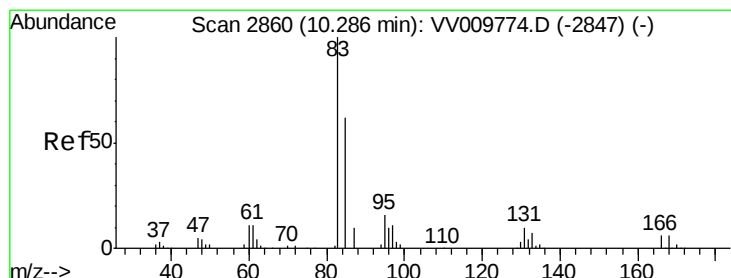
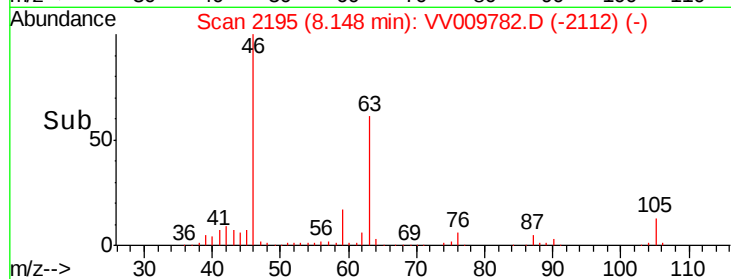
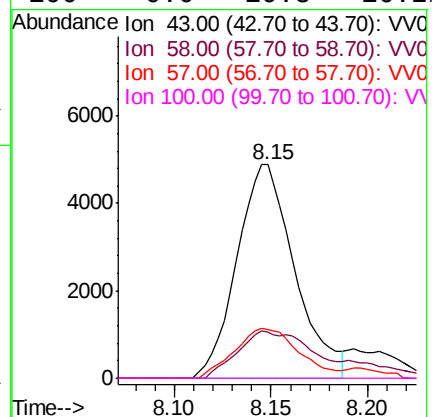
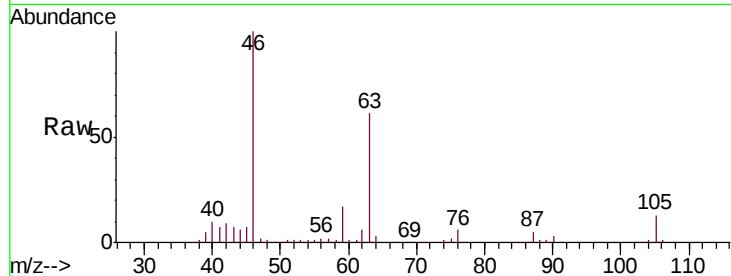




#48
2-Hexanone
Concen: 9.245 ug/L
RT: 8.15 min Scan# 2195
Delta R.T. -0.03 min
Lab File: VV009782.D
Acq: 19 Mar 2019 16:54

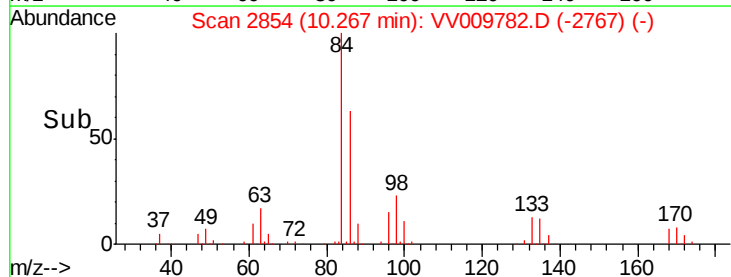
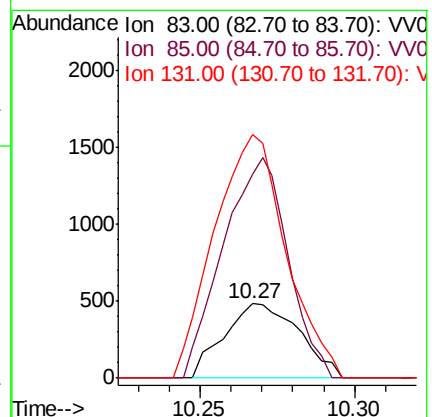
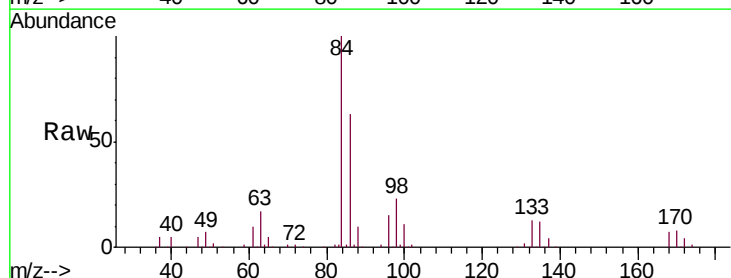
Instrument :
MSVOA_V
ClientSampleId :
BF1H4

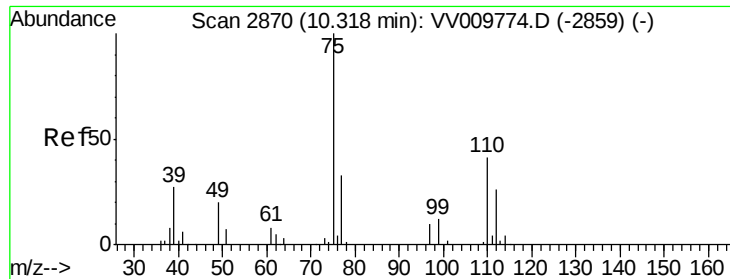
Tgt Ion:	43	Resp:	10180
Ion	Ratio	Lower	Upper
43	100		
58	16.0	46.0	69.0#
57	25.6	14.8	22.2#
100	0.0	10.8	16.2#



#58
1,1,2,2-Tetrachloroethane
Concen: 0.402 ug/L
RT: 10.27 min Scan# 2854
Delta R.T. -0.02 min
Lab File: VV009782.D
Acq: 19 Mar 2019 16:54

Tgt Ion:	83	Resp:	814
Ion	Ratio	Lower	Upper
83	100		
85	275.3	43.5	80.9#
131	328.6	8.4	12.6#

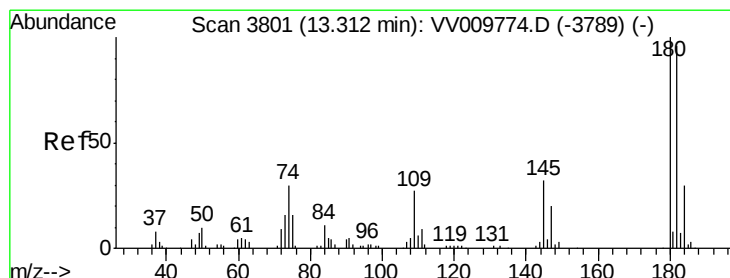
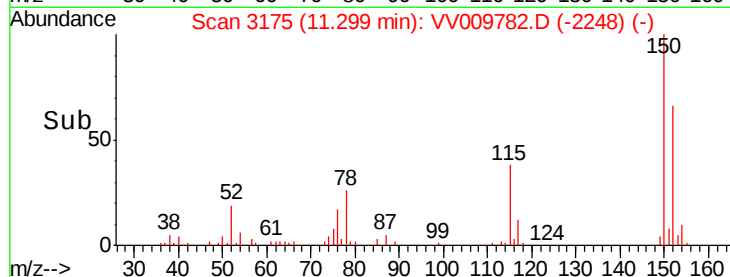
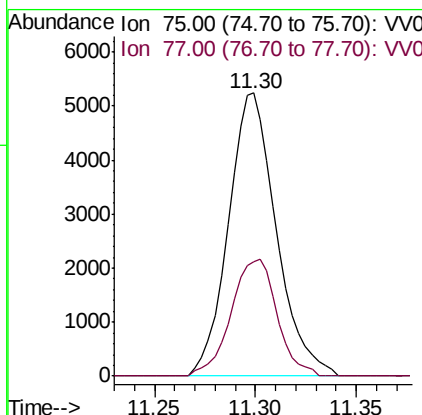
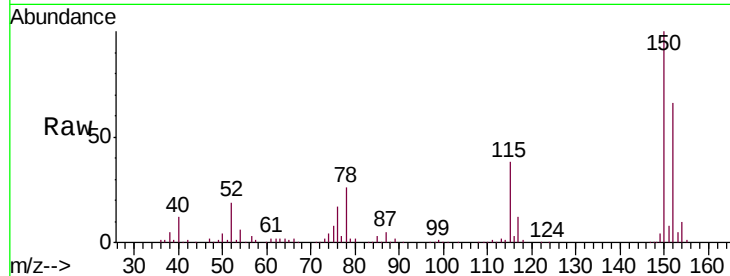




#59
 1,2,3-Trichloropropane
 Concen: 5.866 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV009782.D
 Acq: 19 Mar 2019 16:54

Instrument :
 MSVOA_V
 ClientSampled :
 BF1H4

Tgt Ion: 75 Resp: 8696
 Ion Ratio Lower Upper
 75 100
 77 39.7 26.2 39.4#



#68
 1,2,4-trichlorobenzene
 Concen: 0.632 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009782.D
 Acq: 19 Mar 2019 16:54

Tgt Ion: 180 Resp: 629
 Ion Ratio Lower Upper
 180 100
 182 81.1 75.7 113.5
 145 14.9 25.3 37.9#

