

Data File : VU030477.D
Acq On : 27 Mar 2019 12:45
Operator : JC/SP
Sample : K2022-17 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F2

Quant Time: Mar 28 01:30:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	434281	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413791	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	173433	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153671	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.94%
7) Chloroethane-d5	1.68	69	135583	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.88%
11) 1,1-Dichloroethene-d2	2.27	63	229465	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.22%
21) 2-Butanone-d5	4.17	46	335699	102.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.18%
24) Chloroform-d	4.64	84	299277	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	205193	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.34	84	587171	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
36) 1,2-Dichloropropane-d6	6.33	67	214068	52.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.46%
41) Toluene-d8	7.56	98	503161	47.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.42%
43) trans-1,3-Dichloropropene-	7.85	79	92201	48.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.60%
47) 2-Hexanone-d5	8.31	63	212718	96.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	292928	50.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	183006	52.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.32%

Target Compounds

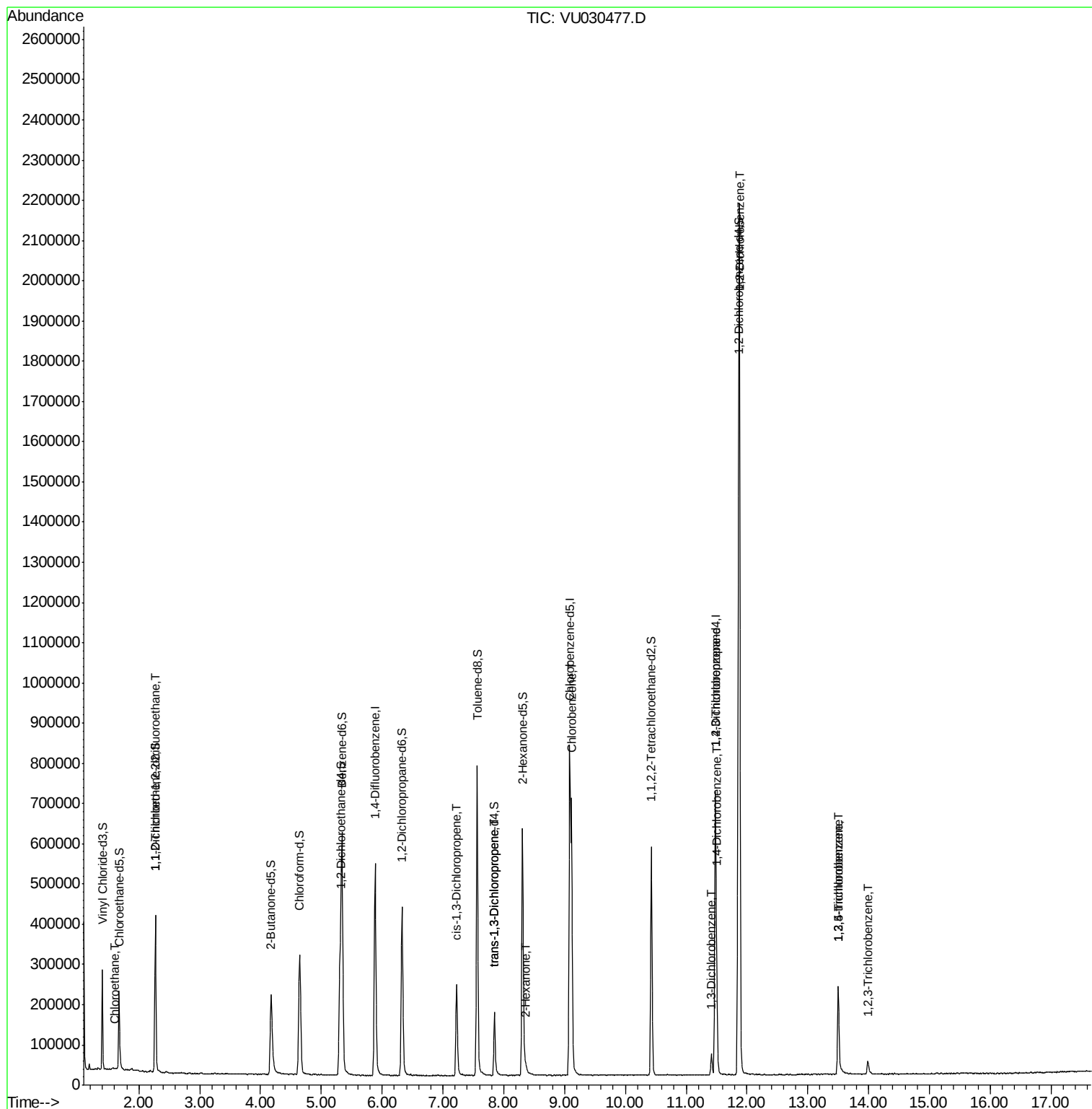
					Qvalue	
8) Chloroethane	1.59	64	1578	0.550	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1867	0.589	ug/L #	21
39) cis-1,3-Dichloropropene	7.22	75	5098	0.887	ug/L #	76
44) trans-1,3-Dichloropropene	7.85	75	3775	0.747	ug/L	96
48) 2-Hexanone	8.37	43	6483	1.178	ug/L	96
51) Chlorobenzene	9.12	112	340084	38.385	ug/L	97
59) 1,2,3-Trichloropropane	11.49	75	30206	6.208	ug/L	92
62) 1,3-Dichlorobenzene	11.42	146	20423	3.601	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	75336	12.902	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	776754	135.441	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	74971	17.657	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	74971	20.322	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	12640	3.245	ug/L	95

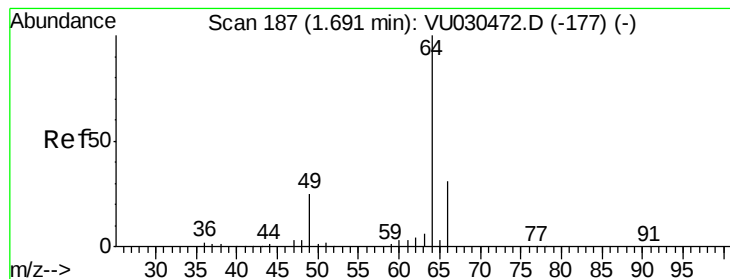
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.550 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.10 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

Instrument :

MSVOA_U

ClientSampled :

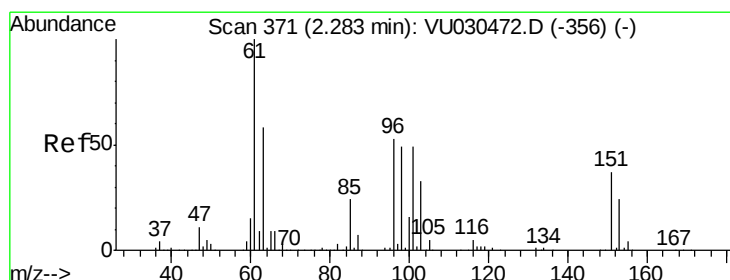
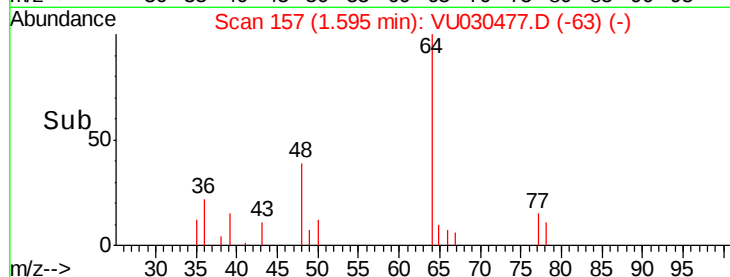
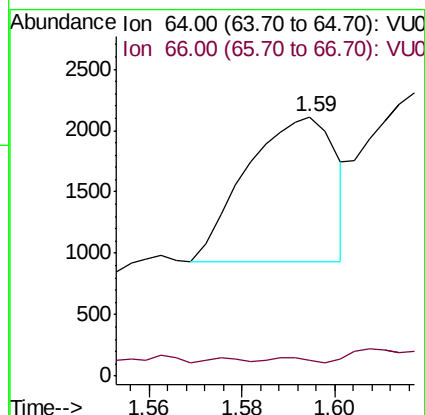
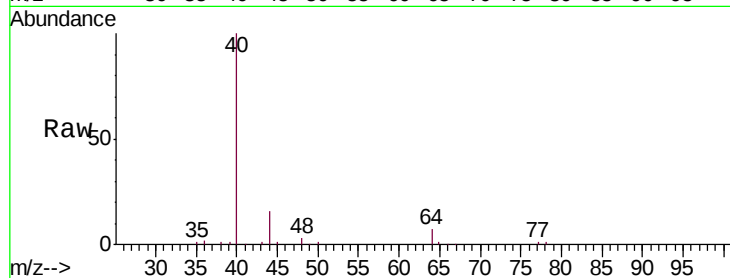
C09F2

Tgt Ion: 64 Resp: 1578

Ion Ratio Lower Upper

64 100

66 5.9 22.5 41.7#



#10

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

Concen: 0.589 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

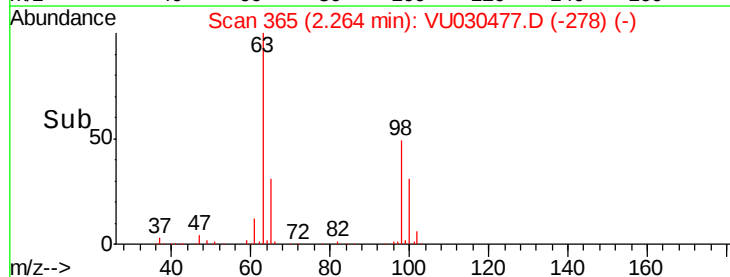
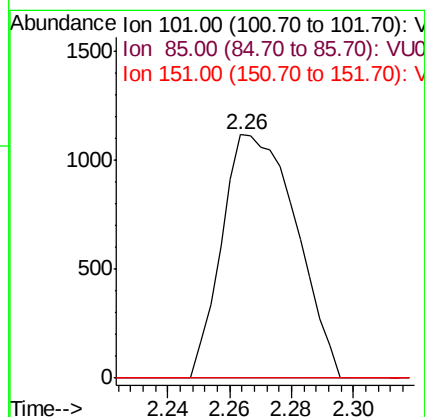
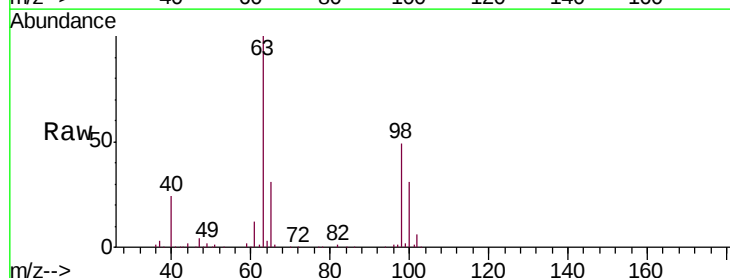
Tgt Ion: 101 Resp: 1867

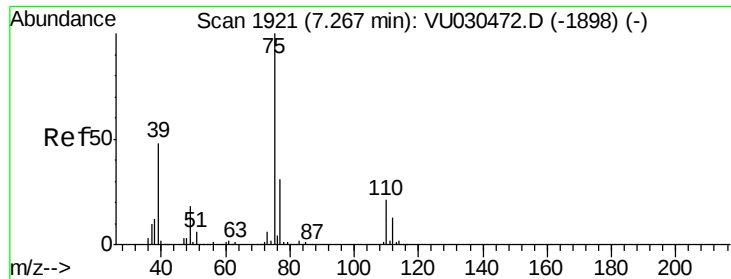
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



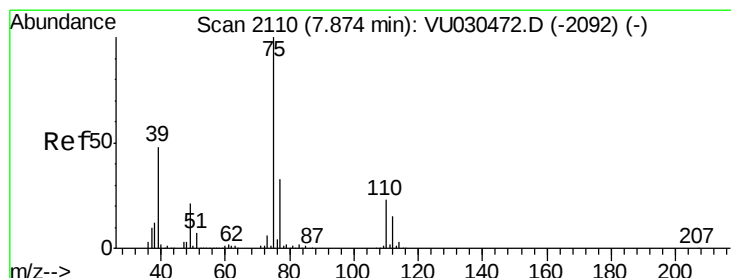
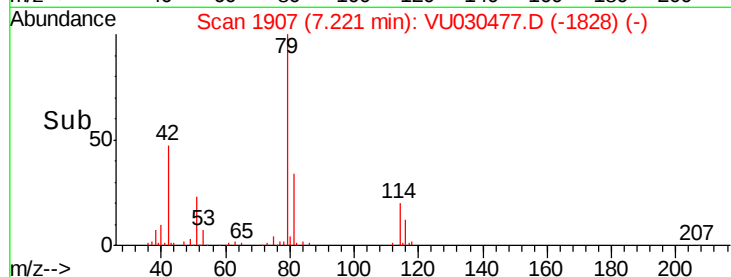
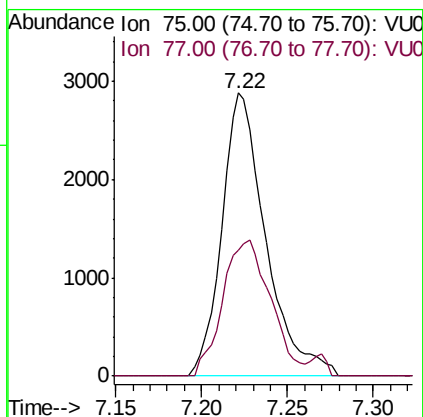
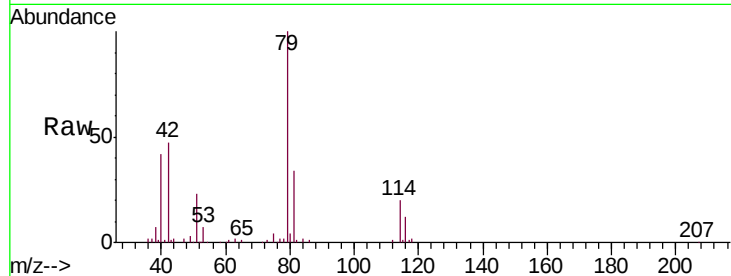


#39

cis-1,3-Dichloropropene
Concen: 0.887 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.05 min
Lab File: VU030477.D
Acq: 27 Mar 2019 12:45

Instrument :
MSVOA_U
ClientSampleId :
C09F2

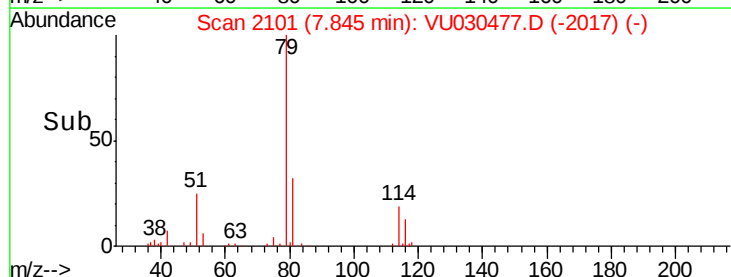
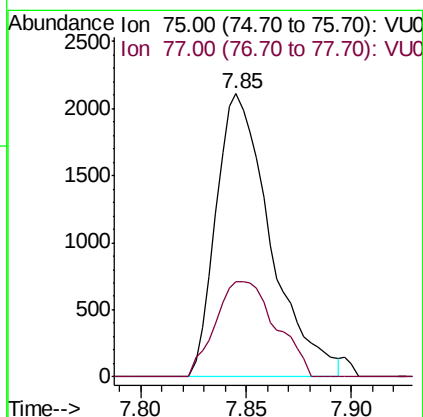
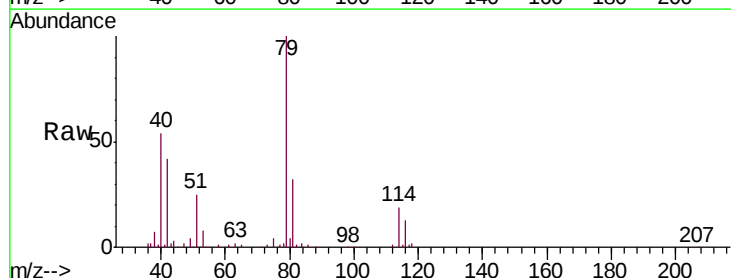
Tgt Ion: 75 Resp: 5098
Ion Ratio Lower Upper
75 100
77 44.4 21.8 40.6#

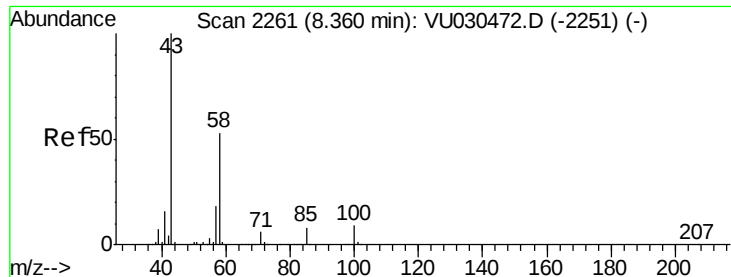


#44

trans-1,3-Dichloropropene
Concen: 0.747 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030477.D
Acq: 27 Mar 2019 12:45

Tgt Ion: 75 Resp: 3775
Ion Ratio Lower Upper
75 100
77 33.6 22.0 40.8

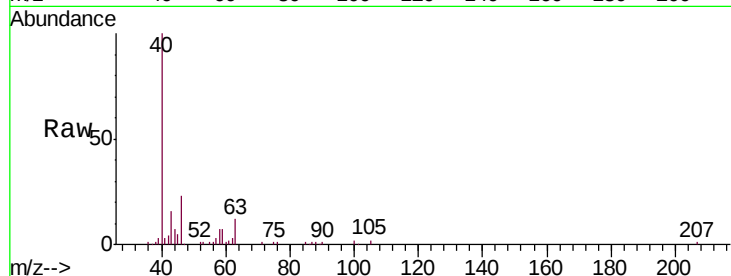




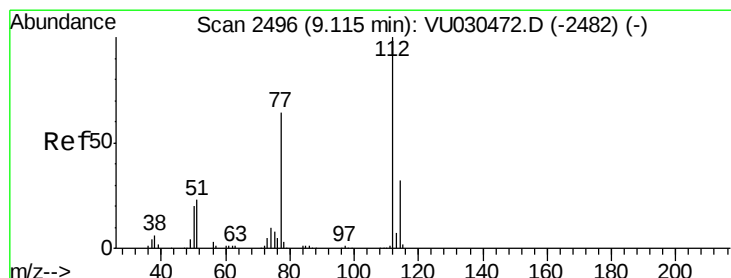
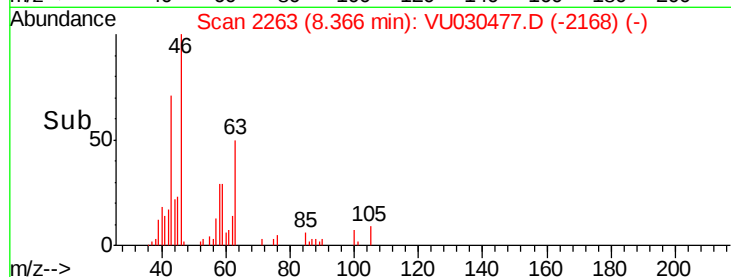
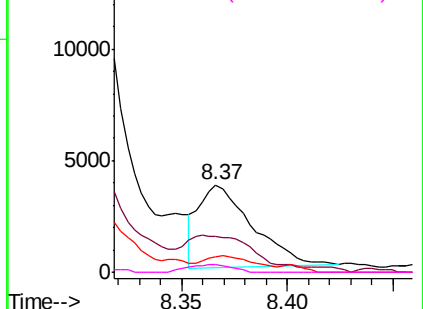
#48
2-Hexanone
Concen: 1.178 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030477.D
Acq: 27 Mar 2019 12:45

Instrument :
MSVOA_U
ClientSampleId :
C09F2

Tgt Ion:	43	Resp:	6483
Ion	Ratio	Lower	Upper
43	100		
58	49.7	42.5	63.7
57	18.3	15.0	22.6
100	7.7	7.4	11.2

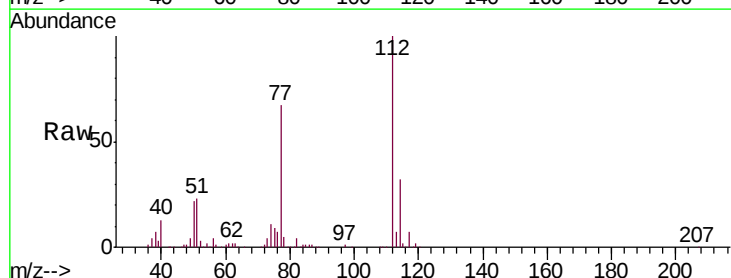


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

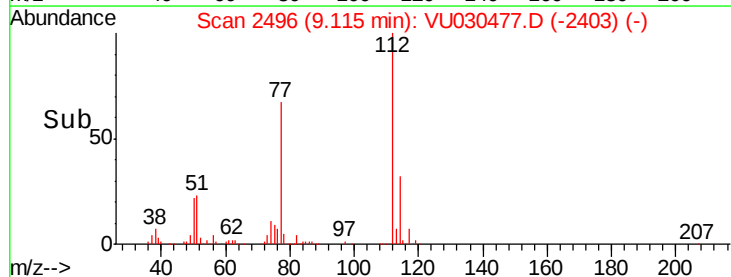
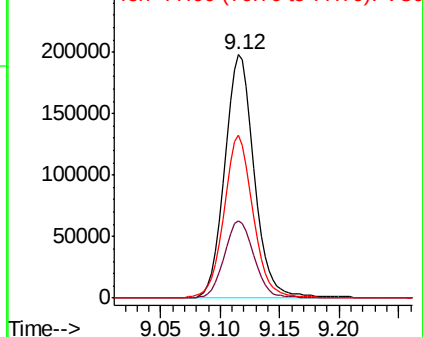


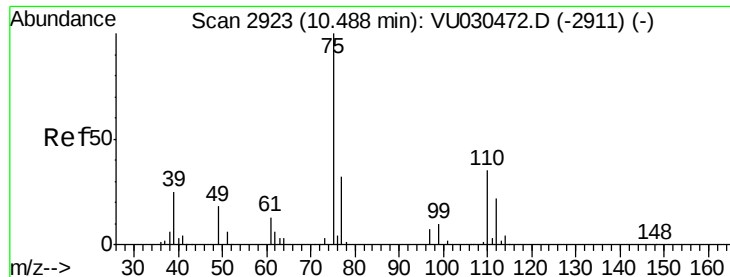
#51
Chlorobenzene
Concen: 38.385 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030477.D
Acq: 27 Mar 2019 12:45

Tgt Ion:	112	Resp:	340084
Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.5	39.9
77	66.9	51.4	77.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0

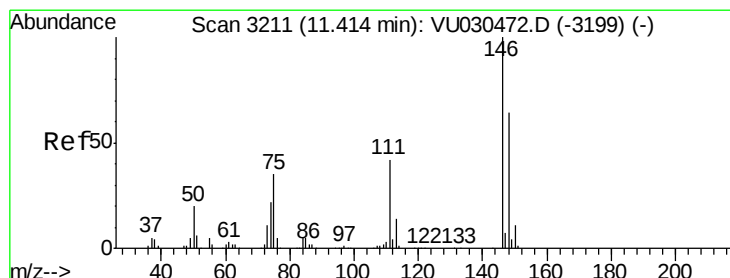
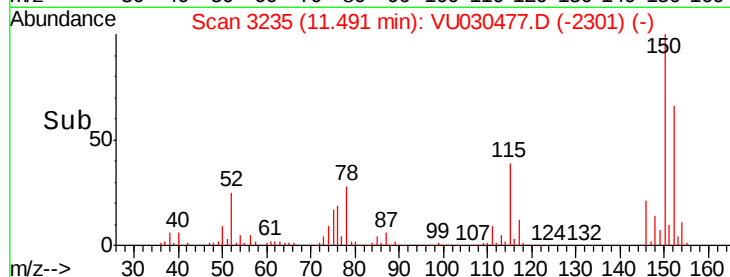
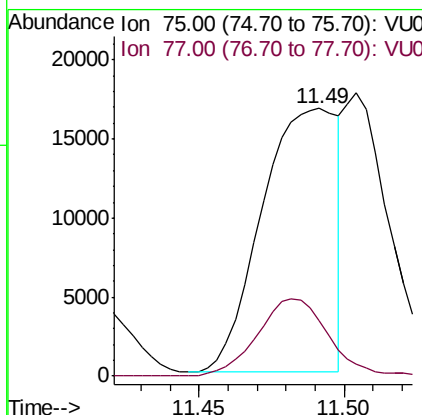
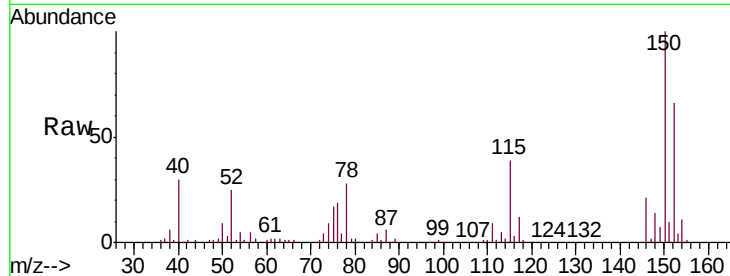




#59
 1,2,3-Trichloropropane
 Concen: 6.208 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 1.00 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

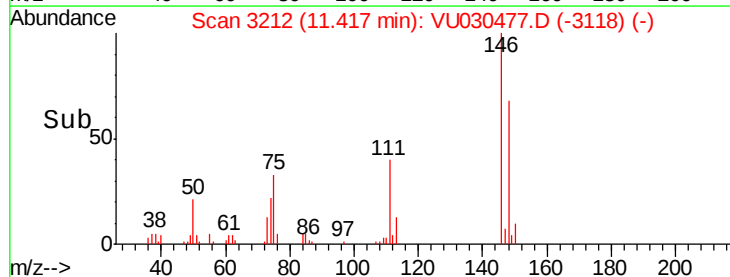
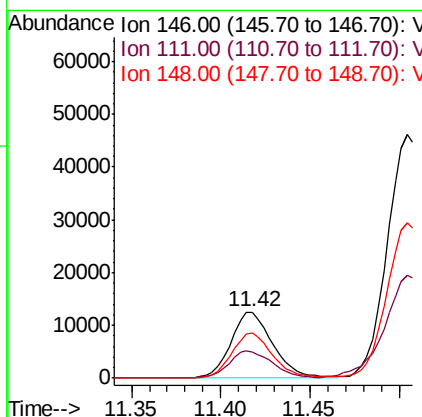
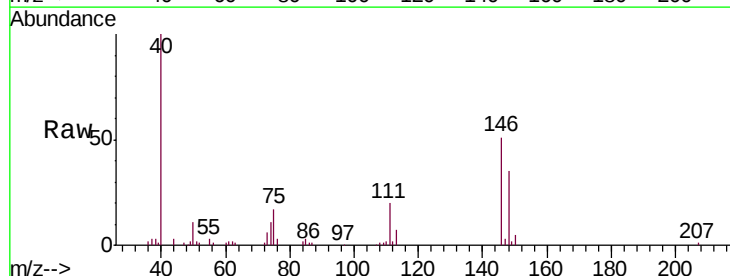
Instrument :
 MSVOA_U
 ClientSampled :
 C09F2

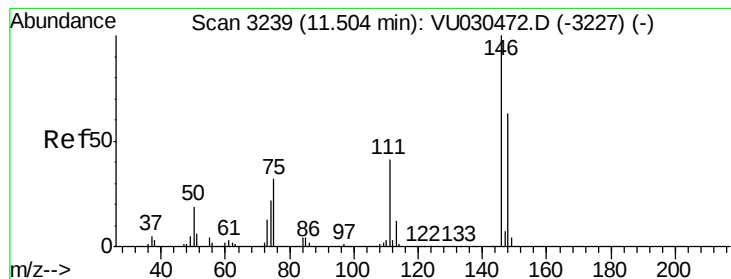
Tgt Ion: 75 Resp: 30206
 Ion Ratio Lower Upper
 75 100
 77 27.5 25.4 38.2



#62
 1,3-Dichlorobenzene
 Concen: 3.601 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

Tgt Ion: 146 Resp: 20423
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.2 54.2
 148 68.0 44.4 82.4





#63

1,4-Dichlorobenzene

Concen: 12.902 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

Instrument :

MSVOA_U

ClientSampleId :

C09F2

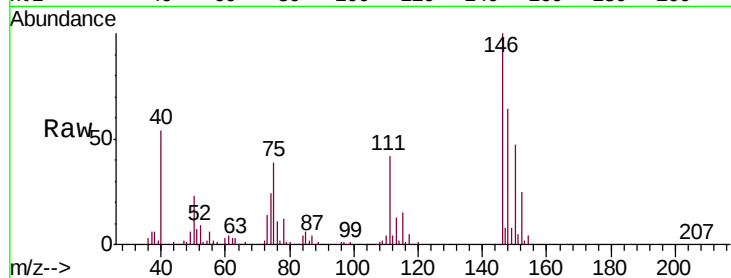
Tgt Ion:146 Resp: 75336

Ion Ratio Lower Upper

146 100

111 42.2 28.7 53.3

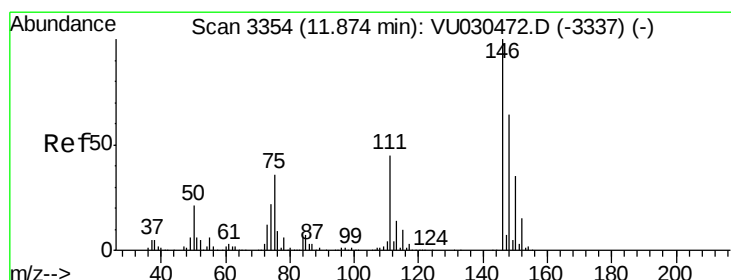
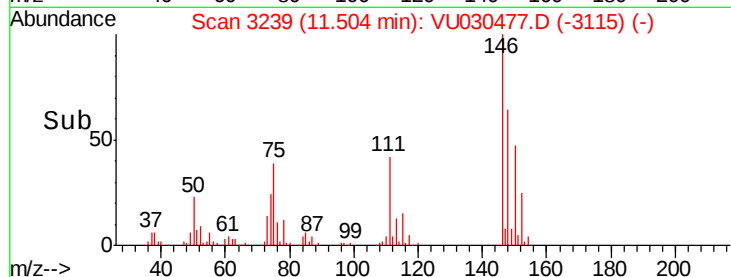
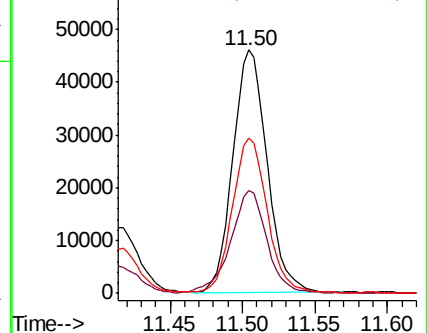
148 64.0 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 135.441 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030477.D

Acq: 27 Mar 2019 12:45

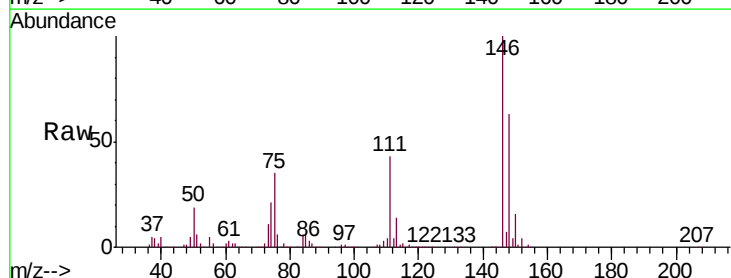
Tgt Ion:146 Resp: 776754

Ion Ratio Lower Upper

146 100

111 43.1 34.9 52.3

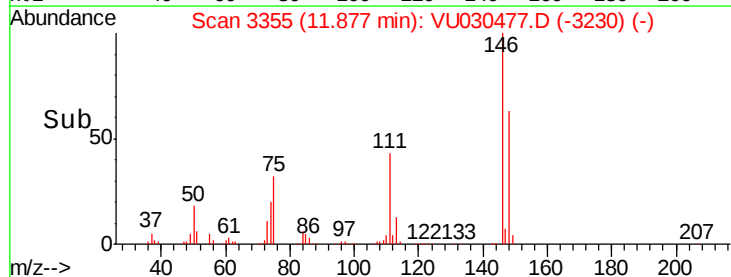
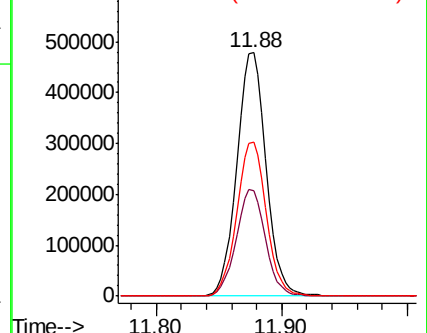
148 63.5 51.2 76.8

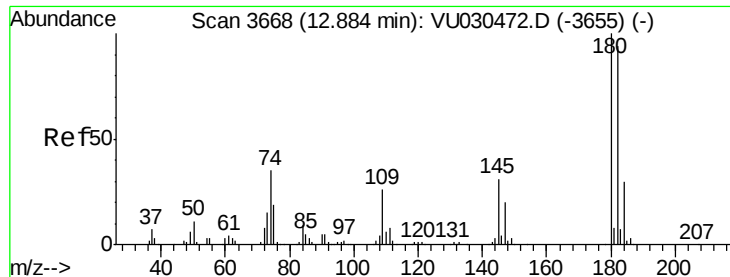


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

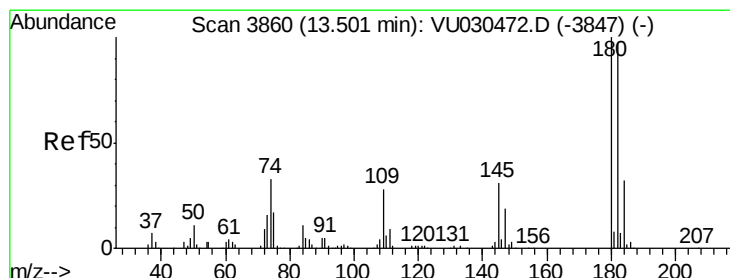
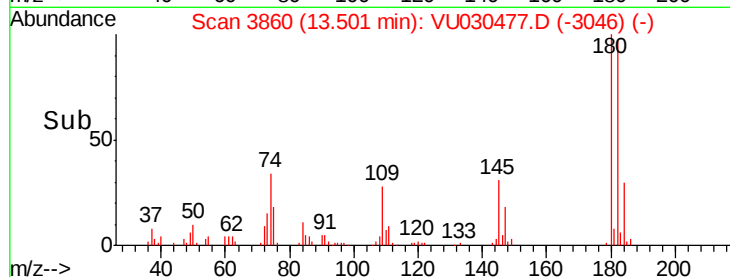
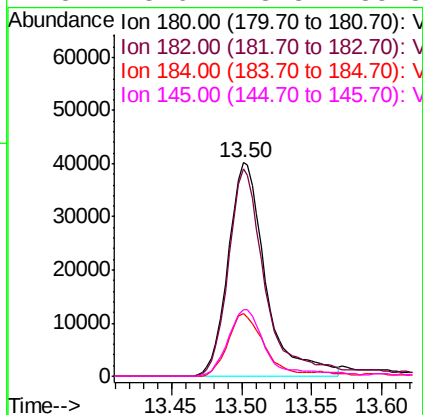
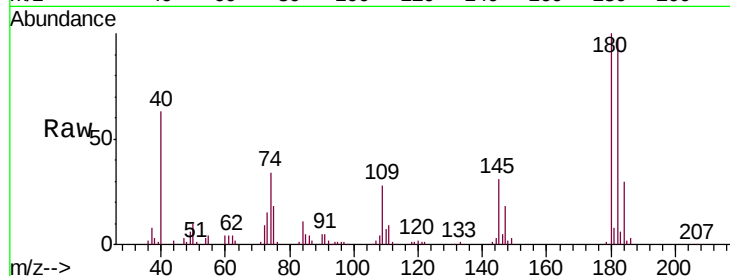




#67
 1,3,5-Trichlorobenzene
 Concen: 17.657 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

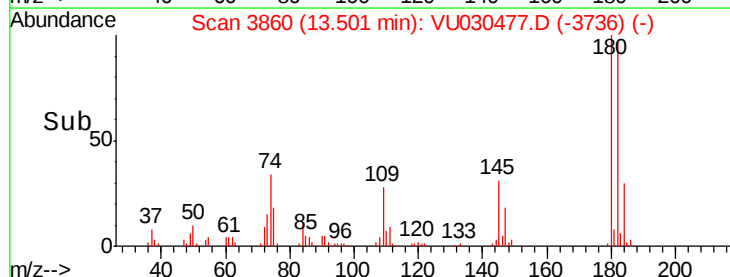
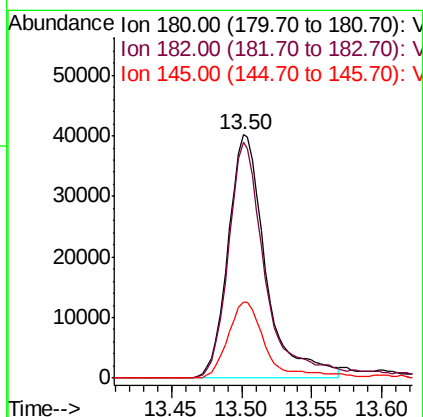
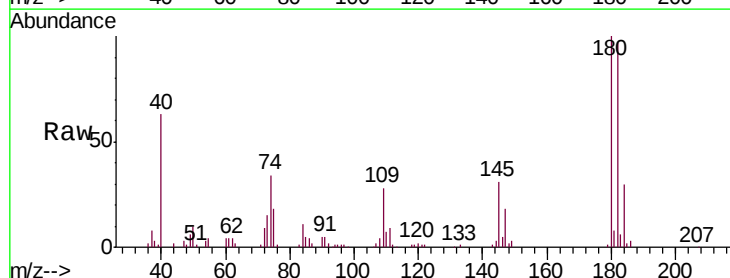
Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

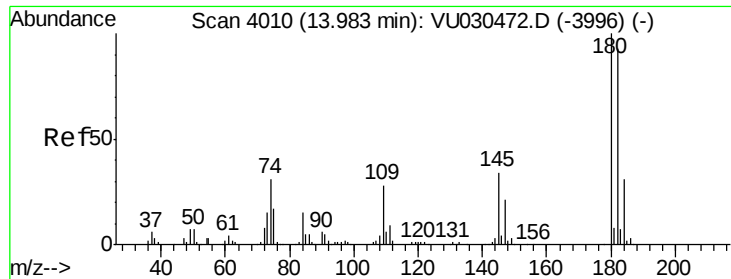
Tgt Ion:	180	Resp:	74971
Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.9	113.9
184	28.0	24.1	36.1
145	28.6	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 20.322 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

Tgt Ion:	180	Resp:	74971
Ion	Ratio	Lower	Upper
180	100		
182	92.3	76.1	114.1
145	28.6	24.5	36.7





#70
 1,2,3-Trichlorobenzene
 Concen: 3.245 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030477.D
 Acq: 27 Mar 2019 12:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

Tgt Ion:180 Resp: 12640
 Ion Ratio Lower Upper
 180 100
 182 91.0 77.4 116.2
 145 34.3 25.9 38.9

